

IIT Madras Monthly Coverage Dossier

December 2020



IIT Madras is a 'Campus of Choice' for JEE Toppers

Date: 1st December 2020

Media: Careers360

Edition: Online

Journalist: Pritha Roy Choudhury

Professor: Prof. MS Sivakumar

Student: Karan Bhanushali

Headline: How IIT Madras' 'happiness course' helps students cope with stress

URL: <https://news.careers360.com/how-iit-madras-happiness-course-helps-students-cope-stress>

In the high-stress and competitive environment of Indian Institute of Technology (IIT) Madras, Karan Bhanushali often felt "totally helpless and lost".

He had grown up in the Mumbai suburbs where his father ran a stationery shop making less than Rs 4 lakh per annum. Always a good student, Bhanushali studied on scholarships throughout. He even won a scholarship to attend private coaching that prepared him to write the highly competitive Joint Entrance Examination (JEE) Main and then, the JEE Advanced for admission to engineering in the IITs.

Bhanushali made it to IIT Madras in 2015, on his second attempt at the JEE. But there was a problem. Through counselling, he was able to secure a seat in BTech in biotechnology, a subject he had scant interest in. "I never liked biology during my school days," he explained. "After coming here too, I was very low. A number of topics were not easy to understand." He had wanted to study electronics or aerospace engineering and always wondered if he would be able to last long enough to collect his BTech degree.

This period of anxiety and uncertainty continued for three years till an IIT Madras programme came to the rescue.

In 2018, when Bhanushali was in his third year, IIT Madras introduced "happiness classes", also called "happiness courses", for students. Open to all students, the elective course was well received from the start. It was the initiative of MS Sivakumar, professor and former dean of students at IIT Madras, and two friends, both alumni of the institute. The objective behind the course was to decrease the stress associated with studying in the IITs and the competition faced at every step.

IITs, stress and happiness

In December 2019, education minister Ramesh Pokhriyal 'Nishank' shared with Parliament startling data about suicides at the IITs. Over the previous five years, as many as 50 students had died by suicide at the 12 of the IITs, 14 of them at IIT Guwahati, followed by seven each at IIT Bombay and IIT Madras. Over just October and November 2019, four IIT students took their own lives leading to furious debates online.

"It is tough in the IITs, there is a lot of stress," said Bhanushali. "About 30 to 40 percent of students undergo depression."

The happiness course was designed to allow students of any level to enrol. The world's top universities, including the Massachusetts Institute of Technology, Harvard University and Stanford University, had already started this kind of programme, said Sivakumar. He added that the course does not follow any spiritual discourse or alternative medicine but is based in science.

The classes were diverse from the start including undergraduates to research scholars and the number of takers has only grown. "In January 2018, we started with 30 students and now we have 150," said Sivakumar. Till now, 500 students have completed the happiness classes.

"Apart from participating in the classes regularly, students need to complete the daily activities and assignments," he added. Sivakumar is also coordinating the happiness classes.

Bhanushali joined when he was in the sixth semester of his BTech programme. "Following the meditation and micro meditation techniques regularly, they taught us how to remove negativity from our minds," said Bhanushali. "I am a different person today." He even grew to like the course he had so detested and professes "love" for biotechnology now.

Motivating researchers

Undergraduate and postgraduate students can also earn credits on this course and have them transferred to count toward their final grades. However, for research scholars, there is no provision for credit transfer.

Despite that, Meenakshi Jayaraman, pursuing a PhD in developmental genetics, enrolled for it in May 2019. She was in her sixth semester and running low on motivation.

"I joined the course because I thought it would motivate me more in my research," said Jayaraman. "It's a very good course, it helps us to develop habits which will eventually lead to success and happiness."

The classes involve building good habits, journaling, jotting down the points to be grateful for and meditating.

Jayaram, who is married, feels the happiness classes helped her balance her personal life and research pursuits as well. Once she completes her PhD, she aims to join a post-doctoral programme.

Bhanushali, no longer shy and reserved, is now an entrepreneur, working in the domain of electric mobility, specifically, electric bikes. He aspires to go abroad for further studies.

IIT Madras plans to encourage research in the subject as well. "The program will be offered as a research subject by the humanities stream," said Sivakumar.

Date: 1st December 2020

Media: The Times of India (clip attached)

Edition: Chennai

Page No: 3

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT-M students get more pre-placement offers this year

URL: <https://timesofindia.indiatimes.com/city/chennai/iit-m-students-get-more-pre-placement-offers-this-year/articleshow/79499536.cms>

IIT-M students get more pre-placement offers this year

TIMES NEWS NETWORK

Chennai: Students at Indian Institute of Technology, Madras (IIT-M), have received 182 pre-placement offers this year, 12 more than last year (170) despite Covid-19 pandemic. The phase I of campus placements is scheduled to begin online on Tuesday.

Companies looking to hire from the institute has also gone up from 244 last year to 252 companies registering this year. The companies have registered for 467 job profiles, around the same as last year.

"The trend gives us reason to be optimistic," said C S Shankar Ram, professor and advisor (training and placement), IIT-M. He said placements will not be affected by the pandemic and that students would obtain the best possible job offers in phase-I placements.

The institute has scheduled two sessions on day 1 of the recruitment drive and top companies with competitive offers will get the first pick.

"We are following the same process we have had in the previous years to slot companies

for virtual hiring too. The only change would be that candidates will attend the interviews online instead of in-person," Shankar Ram added.

Most of the usual recruiters have registered for the hiring while a few new recruiters were also in the line-up.

The institute's virtual internship drive this year started off on a great note with 17 companies participating and making 140 internship offers on Day 1. In 2019, 147 internship offers were made on Day 1.

Highlighting the importance of internships on campus placements, N V Ravi Kumar, advisor (internships) at IIT-Madras, said, "Internships provide an excellent opportunity for students to understand the working culture and expectations of the companies that they train with and for the companies to realize the potential of our students during that short period."

The companies that floated the most pre-placement offers are Texas Instruments (12 offers), Microsoft (12), Qualcomm (10 offers), Goldman Sachs (9 offers) and American Express (9 offers).

Date: 1st December 2020

Media: The Times of India (clip attached)

Edition: Mumbai

Page No: 1,4

Journalist: Yogita Rao, Hemali Chhapia

Headline: IIT placements go online today

URL: <https://timesofindia.indiatimes.com/city/mumbai/iits-see-huge-rush-in-recruiters-but-us-placements-may-drop/articleshow/79501811.cms>

IIT placements go online today

The first phase of campus interviews at IITs will begin on Tuesday in the virtual format. Almost 550 companies have registered, with more Taiwanese and Japanese firms than those from the US. The IITs are hoping to meet their target. **P 4**

IITs see huge rush in recruiters, but US placements may drop

Yogita Rao &
Hemali Chhapia | TNN

Mumbai: California-based IT giant Cohesity may offer the highest pay packet of US\$ 2,00,000 at some IITs this placement season. However, number of US profiles offered on the campuses may drop, with leading recruiters from last year - Microsoft and Uber - likely to offer only Indian jobs.

The first phase of interviews will start Tuesday in the virtual format. Despite the pandemic and a global slowdown, leading IITs are hoping to meet placement targets.

At IIT-Bombay, US offers are expected from Cohesity and HILabs and trading firm Optiver has an Amsterdam opening. Almost 550 companies have registered for place-

ments, including those that made pre-placement offers (PPOs). Among global recruiters, there are more Japanese and Taiwanese firms than US, said students. The Institute also has some core companies offering IT-related profiles.

"While number of firms registered with the Institute is not affected significantly due to the pandemic, we will have to see how many offers are eventually made in the first few days," said a student. Another said a slow economy, visa issues and government policies had anyway affected recruitment by US firms in the recent past; the pandemic has only added to the problem. "Profiles with larger packages are not viable for work-from-home," he added.

Firms offering Indian pro-

files with pay packets between Rs 25 to Rs 37 lakh per annum include Morgan Stanley, Uber, Microsoft and Flipkart. Others visiting (virtually) include Sony Japan, Honda, Huawei Technologies, Cube Research, Schlumberger, Zomato, etc.

"We also have companies with job locations in Singapore and Hong Kong. Interestingly, some of them are offering compensation in US dollars and not their local currency so as to acquire top talent," said another IIT-B student.

At IIT Madras, as on November 27, 252 companies had registered for the placements. The corresponding number last year was 242. As many as 182 pre-placement offers were made to IIT-M students this year as against 170 offers in 2019-

20. A placement office member said so far, PPO trends seem to be showing a positive trend.

In keeping with tradition, IIT Kharagpur, will kickstart its process in the early hours of December 1, but online. A total of 2,000 students and 175-odd companies will be participating. The number of companies is at par with last year's figure, said placement dean Raja Kumar. "All types of organizations across sectors like software, analytics, consulting, core engineering companies, banking, and finance will be major takers this year as well. Software industries are also improving due to online business growth and will offer additional support. However there might be some nominal reduction in number of hires at this time," he added.

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT-Madras students get 182 pre-placement offers

URL: <https://www.thehindu.com/news/cities/chennai/iit-madras-students-get-182-pre-placement-offers/article33216986.ece>

IIT-Madras students get 182 pre-placement offers

Information Technology companies made 46% of the offers

SPECIAL CORRESPONDENT
CHENNAI

The students of the Indian Institute of Technology-Madras have received 182 pre-placement offers (PPO) as on November 28. Last year, 170 PPOs were made during the academic year.

Mentors and placement advisers say the institution's strengthening of internship drive has helped.

The institute will begin its first phase of placements on Tuesday.

Since the country is under a lockdown due to the COVID-19 pandemic, the internship programme was conducted online, institute officials said.

The internship drive began on August 30 and on the first day 17 companies participated virtually and made 140 offers. In 2019, 147 offers were made on Day 1.

C.S. Shankar Ram, adviser (training and placement) at the institute, said the sustained rise in the number of PPOs was a reflection of the institution's academic quality and its students.

N.V. Ravi Kumar, adviser

Placement drive

Following is the break-up of pre-placement offers made in IIT-M during 2019-20 and 2020-21

Details	2019-20	2020-21 (Till Nov 28)
Companies registered	99	93
Profiles registered	160	140
Companies that made offers	72	93
Number of offers	435	415
No. of students registered	958	956
No. of students placed	386	327

(internship), said ever since an internship office was created, the institute had observed a direct correlation between internships and PPOs.

An internship allows a student to understand the work culture and expectations of the company.

The companies also realise the potential of the students during the training period, he said, and added: "When interests and expectations of interns and companies match, it culminates in pre-placement offers."

During 2016-17, students received 73 PPOs. This academic year, 46% of the

PPOs were from the information technology sector.

Core sector jobs

Core and research and development sector accounted for 29%, while 19% of the offers were from the analytics, consulting and finance sector. About 6% of the offers came from the FMCG sector.

The most number of PPOs came from international companies such as Texas Instruments and Microsoft, each with 12 offers.

Qualcomm made 10 offers while Goldman Sachs and American Express made nine offers each.

Date: 1st December 2020

Media: The New Indian Express (clip attached)

Edition: Chennai

Page No: 2

Journalist: NA

Professor: Prof. N.V. Ravi Kumar

Headline: IIT-M Records Strong Pre-Placement Offers

URL: <https://www.newindianexpress.com/cities/chennai/2020/dec/01/iit-m-records-strong-pre-placement-offers-2230198.html>

IIT-M RECORDS STRONG PRE-PLACEMENT OFFERS

EXPRESS NEWS SERVICE @ Chennai

The students of Indian Institute of Technology Madras (IIT-M) have registered a strong show in pre-placements this year, said a statement from the institute which added that the offers increased during 2020-21 compared with the preceding academic year, despite the Covid-19 pandemic.

“As many as 182 offers were made to the IIT-M students this academic year so far, as against 170 offers in the entire 2019-20 academic year,” the statement claimed. The first phase of campus placements is scheduled to commence on Tuesday.

A major factor behind this performance is the strong internship programme of the institute, the statement said adding that the internship drive was conducted completely online this year. The companies that offered these jobs include Texas Instruments, Microsoft, Qualcomm, Goldman Sachs and American Express. Highlighting the importance of internships, Prof NV Ravi Kumar, Advisor (Internships), IIT-M, said, “We have been observing a direct correlation between internships and pre-placement offers ever since the internship office was created. Internships provide an excellent opportunity to understand the working culture and expectations of the companies.”

Date: 1st December 2020

Media: Deccan Chronicle (clip attached)

Edition: Chennai / Hyderabad / Bangalore

Page No: 9

Journalist: Sangeetha G

Professor: Prof. N.V. Ravi Kumar

Headline: IIT Madras Sees growth in pre-placement offers

IIT Madras sees growth in pre-placement offers

SANGEETHA G | DC
CHENNAI, NOV. 30

Notwithstanding the pandemic impact, Indian Institute of Technology Madras continued to see a growth in pre-placement offers this year.

Ahead of phase-1 of campus placements starting on December 1, as many as 182 pre-placement offers were received by IIT Madras students this academic year compared to 170 offers last year. IIT-M students have been witnessing a rising trend in pre-placement offers for the past few years. The pandemic did not disturb that.

In 2017-18, the institute saw PPOs almost doubling to 114 against 73 in the previous year. In 2018-19, it further grew to 135.

Information Technology



accounted for 46 per cent of PPOs, core sectors and R&D, 29 per cent, analytics, consulting and finance, 19 per cent and FMCG, 6 per cent.

Texas Instruments, Microsoft, Qualcomm, Goldman Sachs and American Express are some of the key companies that offered higher numbers of PPOs.

According to IIT Madras, a major factor behind the rise in PPOs is the internship programme, which was conducted completely online

this year, for the first time in its history, to overcome the logistical restrictions.

“We have been observing a direct correlation between internships and pre-placement offers ever since the internship office was created. Internships provide an excellent opportunity for students to understand the working culture and expectations of the companies that they work for and for the companies to realise the potential of our students during that short period. When interests and expectations of interns and companies match, it culminates in pre-placement offers,” said N.V. Ravi Kumar, advisor (internships), IIT Madras. As many as 93 companies had provided 415 offers for internships this year.

Date: 1st December 2020

Media: The Asian Age (clip attached)

Edition: New Delhi

Page No: 7

Journalist: Sangeetha G

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Date: 1st December 2020

Media: The Hindu Business Line (clip attached)

Edition: Bangalore / Chennai / Mumbai / New Delhi

Page No: 9

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: Placement season at IIT-M off to a strong start

URL: <https://www.thehindubusinessline.com/news/education/iit-madras-receives-182-pre-placement-offers/article33211277.ece>

Placement season at IIT-M off to a strong start

IT sector accounts for nearly half of the 182 pre-placement offers

OUR BUREAU

Chennai, November 30

Despite the Covid-19 pandemic, IIT Madras has reported strong pre-placement offers (PPO) ahead of the campus placement that is to commence on December 1.

Microsoft and Texas Instruments led the pack offering 12 PPOs each, followed by Qualcomm with 10, and Goldman Sachs and American Express with nine each, according to a release from IIT Madras.

Numbers growing

As many as 182 PPOs have been made as on November 28, as against 170 during the

entire 2019-20 academic year.

The slew of PPOs could be attributed to the institute's strong internship programme, which was conducted completely online this year, to overcome the logistical restrictions on account of the pandemic, the release said.

Academic quality

CS Shankar Ram, Advisor (Training and Placement), IIT Madras, said the sustained increase in the number of PPOs this year is a clear reflection of the aca-

demical quality of IIT Madras and its students. "I am optimistic that we will be able to carry forward this momentum and our students

will obtain the best possible job offers in Phase-1 placements," he said in the release.

Day One (August 30) of the Internship Drive saw 17 companies offering 140 internships. In 2019, 147 internship offers were made on day one, the release said.

Advantage internships

NV Ravi Kumar, Advisor (Internships), IIT Madras, said,

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The major sectors that offered PPOs during 2020-21 were information technology (46 per cent); Core and R&D (29 per cent); Analytics, Consulting & Finance (19 per cent) and FMCG (6 per cent), the release said.



Date: 1st December 2020

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Page No: 3

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT-M registers rise in pre-placement offers

URL: <https://www.financialexpress.com/jobs/iit-madras-registers-rise-in-pre-placement-offers/2140107/>

IIT-M registers rise in pre-placement offers

PRESS TRUST OF INDIA
Chennai, November 30

PRE-PLACEMENT OFFERS (PPO) for the Indian Institute of Technology (IIT), Madras, have seen a rise during 2020-21 when compared with last year.

The first phase of campus placement is set to commence on December 1. As many as 182 PPOs have been made to students in this academic year (as on November 28) as against 170 offers during the entire 2019-20 academic year.

The institutes internship programme, conducted completely online this year for the first time in its history to overcome restrictions on account of the pandemic, could be the reason for the slew of PPOs, a press release said here on Monday.

The internships, facilitated

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**— N V RAVI KUMAR,
ADVISOR (INTERNSHIPS),
IIT-MADRAS**

through an institute-coordinated process, enables students to intern with companies that are large recruiters.

The constant increase in PPOs was the result of the excellent performance of stu-

dents during the internships.

Microsoft and Texas Instruments led the pack offering 12 PPOs each followed by Qualcomm with 10 and Goldman Sachs and American Express with nine each, a release from IIT-Madras said.

According to C S Shankar Ram, advisor (Training and Placement), IIT-Madras, the sustained increase in the number of PPOs this year is a clear reflection of the academic quality of IIT-Madras and its students. "I am optimistic that we would be able to carry forward this momentum and our students would obtain the best possible job offers in Phase-1 placements," he said in the release.

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When interests and expectations of interns and companies match, it culminates in pre-placements offers, he added.

The major sectors that offered PPOs during 2020-21 were information technology (46%); core and R&D (29%); analytics, consulting and finance (19%) and FMCG (6%), the release said.

Date: 1st December 2020

Media: Hindustan Times

Edition: Online

Journalist: Akhilesh Nagari

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT Madras registers rise in pre-placement offers

URL: <https://www.hindustantimes.com/education/iit-madras-registers-rise-in-pre-placement-offers/story-nq6cMVO8g6kYzoSEWWfEN.html>

Despite the Covid-19 pandemic, IIT Madras has reported strong Pre-Placement Offers (PPO) ahead of the campus placement that is to commence on December 1.

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As many as 182 PPOs have been made to students in this academic year (as on November 28), as against 170 offers during the entire 2019-20 academic year.

The slew of PPOs could be attributed to the institute's strong internship programme, which was conducted completely online this year, to overcome the logistical restrictions on account of the pandemic, the release said.

The internships, which were facilitated through an institute-coordinated process, allowed students to intern with companies that are large recruiters. The constant increase in PPOs was the result of the excellent performance of students during the internships.

C.S. Shankar Ram, Advisor (Training and Placement), IIT Madras, said the sustained increase in the number of PPOs this year is a clear reflection of the academic quality of IIT Madras and its students. "I am optimistic that we will be able to carry forward this momentum and our students will obtain the best possible job offers in Phase-1 placements," he said in the release.

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Media: Mint

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

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URL: <https://www.livemint.com/education/news/iit-m-registers-rise-in-pre-placement-offers-11606753610237.html>

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Media: DT Next

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Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT-M registers rise in pre-placement offers

URL: <https://www.dtnext.in/News/City/2020/11/30171941/1264436/IITM-registers-rise-in-preplacement-offers.vpf>

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URL: http://www.ptinews.com/news/12001363_IIT-M-registers-rise-in-pre-placement-offers.html

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The internships, which were facilitated through an institute-coordinated process, allowed students to intern with companies that are large recruiters. The constant increase in PPOs was the result of the excellent performance of students during the internships.

C.S. Shankar Ram, Advisor (Training and Placement), IIT Madras, said the sustained increase in the number of PPOs this year is a clear reflection of the academic quality of IIT Madras and its students. "I am optimistic that we will be able to carry forward this momentum and our students will obtain the best possible job offers in Phase-1 placements," he said in the release.

Day One (August 30) of the Internship Drive saw 17 companies offering 140 internships. In 2019, 147 internship offers were made on day one, the release said.

N V Ravi Kumar, Advisor (Internships), IIT Madras, said, "We have been observing a direct correlation between internships and PPOs since the internship office was created. Internships provide an excellent opportunity for students to understand the working culture and expectations of companies they work for and for the companies to realise the potential of our students during that short period. When interests and expectations of interns and companies match, it culminates in pre-placements offers." The major sectors that offered PPOs during 2020-21 were information technology (46 per cent); Core and R&D (29 per cent); Analytics, Consulting & Finance (19 per cent) and FMCG (6 per cent), the release said.

Date: 1st December 2020

Media: Outlook

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT-M registers rise in pre-placement offers

URL: <https://www.outlookindia.com/newscroll/iitm-registers-rise-in-preplacement-offers/1984998>

Despite the Covid-19 pandemic, IIT Madras has reported strong Pre-Placement Offers (PPO) ahead of the campus placement that is to commence on December 1.

Microsoft and Texas Instruments led the pack offering 12 PPOs each, followed by Qualcomm with 10, and Goldman Sachs and American Express with nine each, according to a release from IIT Madras.

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Date: 1st December 2020

Media: Yahoo

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT-M registers rise in pre-placement offers

URL: <https://in.news.yahoo.com/iit-m-registers-rise-pre-113806066.html>

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Date: 1st December 2020

Media: India TV

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT-Madras registers rise in pre-placement offers

URL: <https://www.indiatvnews.com/education/news-iit-madras-registers-rise-in-pre-placement-offers-668427>

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Date: 1st December 2020

Media: The Hindu-Tamil

Edition: Online

Journalist: NA

Professor: Prof. CS Shankar Ram, Prof. NV Ravikumar

Headline: சென்னை ஐஐடி-யில் முதல்கட்ட வளாக நேர்காணல் இன்று தொடக்கம்: முன்கூட்டியே 182 பேர் பணிக்கு தேர்வு (Phase I of campus placements begins at IIT Madras today: 182 PPOs received already)

URL: <https://www.hindutamil.in/news/vetrikodi/news/607057-chennai-iit.html>

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Date: 1st December 2020

Media: Dinamani

Edition: Online

Journalist: NA

Headline: 182 IIT Students get employment

URL: <https://www.dinamani.com/all-editions/edition-chennai/chennai/2020/dec/01/jobs-for-182-iit-students-3514429.html>

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Date: 1st December 2020

Media: Malai Murasu

Edition: Online

Journalist: Thamo Tharan

Headline: படிக்கும்போதே 182 பேருக்கு வேலைவாய்ப்பு – சென்னை ஐ.ஐ.டி அறிவிப்பு ; (182 students get employment even before completing studies: IIT Madras announcement)

URL: <https://www.malaimurasu.com/employment-for-182-people-while-studying/>

படிக்கும் காலத்திலேயே 182 மாணவர்களுக்கு வேலைவாய்ப்பு உறுதி செய்யப்பட்டுள்ளதாக சென்னை ஐ.ஐ.டி. தெரிவித்துள்ளது.

சென்னை ஐ.ஐ.டி.யில் இறுதியாண்டு பயிலும் மாணவர்களுக்கான வளாக வேலைவாய்ப்பு முகாம் நடைபெற்று வருகிறது.

மைக்ரோசாப்ட் உள்ளிட்ட பன்னாட்டு நிறுவனங்கள் பங்கேற்ற இந்த முகாமில், இதுவரை 182 இறுதியாண்டு மாணவர்களுக்கு வேலைவாய்ப்பு உறுதி செய்யப்பட்டுள்ளது.

கடந்த 5 ஆண்டுகளில் அதிகப்பட்சமாக இந்த ஆண்டில் 182 பேருக்கு வேலைவாய்ப்பு உறுதி செய்யப்பட்டுள்ளதாகவும், 140 பேருக்கு இண்டர்ன்ஷிப் கிடைத்துள்ளதாகவும் சென்னை ஐ.ஐ.டி. தெரிவித்துள்ளது.

கொரோனா எதிரொலியால், வேலைவாய்ப்பு குறையும் என்று எதிர்பார்க்கப்பட்ட நிலையில், கடந்த ஆண்டுகளை காட்டிலும் நடப்பு ஆண்டில் வேலைவாய்ப்பு கூடியிருப்பது குறிப்பிடத்தக்கது.

Date: 30th November 2020

Media: Seithichurul

Edition: Online

Journalist: NA

Professor: Prof. CS Shankar Ram, Prof. NV Ravikumar

Headline: இந்திய தொழில்நுட்பக் கழகத்தில் வேலைவாய்ப்பு! (Employment opportunities at Indian Institute of Technology)

URL: <https://seithichurul.com/employment-news/job-in-iit-chennai/28345/>

படிக்கும் காலத்திலேயே 182 மாணவர்களுக்கு வேலைவாய்ப்பு உறுதி செய்யப்பட்டுள்ளதாக சென்னை ஐ.ஐ.டி. தெரிவித்துள்ளது.

சென்னை ஐ.ஐ.டி.யில் இறுதியாண்டு பயிலும் மாணவர்களுக்கான வளாக வேலைவாய்ப்பு முகாம் நடைபெற்று வருகிறது.

மைக்ரோசாப்ட் உள்ளிட்ட பன்னாட்டு நிறுவனங்கள் பங்கேற்ற இந்த முகாமில், இதுவரை 182 இறுதியாண்டு மாணவர்களுக்கு வேலைவாய்ப்பு உறுதி செய்யப்பட்டுள்ளது.

கடந்த 5 ஆண்டுகளில் அதிகப்பட்சமாக இந்த ஆண்டில் 182 பேருக்கு வேலைவாய்ப்பு உறுதி செய்யப்பட்டுள்ளதாகவும், 140 பேருக்கு இண்டர்ன்ஷிப் கிடைத்துள்ளதாகவும் சென்னை ஐ.ஐ.டி. தெரிவித்துள்ளது.

கொரோனா எதிரொலியால், வேலைவாய்ப்பு குறையும் என்று எதிர்பார்க்கப்பட்ட நிலையில், கடந்த ஆண்டுகளை காட்டிலும் நடப்பு ஆண்டில் வேலைவாய்ப்பு கூடியிருப்பது குறிப்பிடத்தக்கது.

Date: 1st December 2020

Media: Rajasthan Patrika

Edition: Online

Journalist: Ashok Rajpurohit

Professor: Prof. CS Shankar Ram, Prof NV Ravikumar

Headline: कोविड के बावजूद आइआईटी मद्रास में रेकॉर्ड प्रि-प्लेसमेंट ऑफर (Record pre-placement offers at IIT Madras despite COVID)

URL: <https://www.patrika.com/chennai-news/iit-madras-6547411/>

படிக்கும் காலத்திலேயே 182 மாணவர்களுக்கு வேலைவாய்ப்பு உறுதி செய்யப்பட்டுள்ளதாக சென்னை ஐ.ஐ.டி. தெரிவித்துள்ளது.

சென்னை ஐ.ஐ.டி.யில் இறுதியாண்டு பயிலும் மாணவர்களுக்கான வளாக வேலைவாய்ப்பு முகாம் நடைபெற்று வருகிறது.

மைக்ரோசாப்ட் உள்ளிட்ட பன்னாட்டு நிறுவனங்கள் பங்கேற்ற இந்த முகாமில், இதுவரை 182 இறுதியாண்டு மாணவர்களுக்கு வேலைவாய்ப்பு உறுதி செய்யப்பட்டுள்ளது.

கடந்த 5 ஆண்டுகளில் அதிகப்பட்சமாக இந்த ஆண்டில் 182 பேருக்கு வேலைவாய்ப்பு உறுதி செய்யப்பட்டுள்ளதாகவும், 140 பேருக்கு இண்டர்ன்ஷிப் கிடைத்துள்ளதாகவும் சென்னை ஐ.ஐ.டி. தெரிவித்துள்ளது.

கொரோனா எதிரொலியால், வேலைவாய்ப்பு குறையும் என்று எதிர்பார்க்கப்பட்ட நிலையில், கடந்த ஆண்டுகளை காட்டிலும் நடப்பு ஆண்டில் வேலைவாய்ப்பு கூடியிருப்பது குறிப்பிடத்தக்கது.

Date: 1st December 2020

Media: Rojgar Rath

Edition: Online

Journalist: Tarun

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: Covid-19 महामारी के बावजूद IIT मद्रास में प्री-प्लेसमेंट में वृद्धि हुई है (Pre-placement at IIT Madras has increased despite Covid-19 epidemic)

URL: <https://rojgarrath.in/covid-19-महामारी-के-बावजूद-iit-मद्रा/>

படிக்கும் காலத்திலேயே 182 மாணவர்களுக்கு வேலைவாய்ப்பு உறுதி செய்யப்பட்டுள்ளதாக சென்னை ஐ.ஐ.டி. தெரிவித்துள்ளது.

சென்னை ஐ.ஐ.டி.யில் இறுதியாண்டு பயிலும் மாணவர்களுக்கான வளாக வேலைவாய்ப்பு முகாம் நடைபெற்று வருகிறது.

மைக்ரோசாப்ட் உள்ளிட்ட பன்னாட்டு நிறுவனங்கள் பங்கேற்ற இந்த முகாமில், இதுவரை 182 இறுதியாண்டு மாணவர்களுக்கு வேலைவாய்ப்பு உறுதி செய்யப்பட்டுள்ளது. கடந்த 5 ஆண்டுகளில் அதிகப்பட்சமாக இந்த ஆண்டில் 182 பேருக்கு வேலைவாய்ப்பு உறுதி செய்யப்பட்டுள்ளதாகவும், 140 பேருக்கு இண்டர்ன்ஷிப் கிடைத்துள்ளதாகவும் சென்னை ஐ.ஐ.டி. தெரிவித்துள்ளது.

கொரோனா எதிரொலியால், வேலைவாய்ப்பு குறையும் என்று எதிர்பார்க்கப்பட்ட நிலையில், கடந்த ஆண்டுகளை காட்டிலும் நடப்பு ஆண்டில் வேலைவாய்ப்பு கூடியிருப்பது குறிப்பிடத்தக்கது.

Date: 1st December 2020

Media: Times Now News

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT Madras Campus Placements to begin from today, institute registers increase in pre-placement offers

URL: <https://www.timesnownews.com/education/article/iit-madras-campus-placements-to-begin-from-today-institute-registers-increase-in-pre-placement-offers/688767>

Pre-placement Offers (PPO) for the Indian Institute of Technology (IIT), Madras, have seen a rise during 2020-21 when compared with last year. The first phase of campus placement is set to commence on December 1. As many as 182 PPOs have been made to students in this academic year (as on November 28) as against 170 offers during the entire 2019-20 academic year.

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Date: 1st December 2020

Media: The Economic Times- HR World

Edition: Online

Journalist: Prachi Verma

Professor: Prof. C. S. Shankar Ram

Headline: IIT Madras students get more pre-placement offers this year

URL: <https://hr.economictimes.indiatimes.com/news/workplace-4-0/recruitment/iit-madras-students-get-more-ppos-this-year/79501960>

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Date: 1st December 2020

Media: ABP Education

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT Madras records strong pre-placement offers amid pandemic

URL: <https://www.abpeducation.com/amp/news/iit-madras-records-strong-pre-placement-offers-amid-pandemic/cid/1205467>

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Date: 1st December 2020

Media: Devdiscourse

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT-M registers rise in pre-placement offers

URL: <https://www.devdiscourse.com/article/education/1356122-iit-m-registers-rise-in-pre-placement-offers>

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Date: 1st December 2020

Media: India Times

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT Madras Students Have Received 182 Pre-Placement Offers, Despite COVID-19

URL: <https://www.indiatimes.com/trending/social-relevance/iit-madras-students-have-received-182-pre-placement-offers-528654.html>

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Date: 1st December 2020

Media: ETV Bharat

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT Madras records strong pre-placement offers for students

URL: <https://www.etvbharat.com/english/national/state/tamil-nadu/iit-madras-records-strong-pre-placement-offers-for-students-despite-covid-19/na20201130220930019>

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Date: 1st December 2020

Media: India Education Diary

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT Madras Records Strong Pre-Placement Offers for Students this year too, despite COVID-19

URL: <https://indiaeducationdiary.in/iit-madras-records-strong-pre-placement-offers-for-students-this-year-too-despite-covid-19/>

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Date: 1st December 2020

Media: Latestly

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT-Madras Registers Rise in Pre-Placement Offers During 2020-21

URL: <https://www.latestly.com/agency-news/india-news-iit-m-registers-rise-in-pre-placement-offers-2174292.html>

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Date: 1st December 2020

Media: The NDTV

Edition: Online

Journalist: Kajol

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT Madras registers rise in pre-placement offers – education

URL: <https://thendtv.com/education/iit-madras-registers-rise-in-pre-placement-offers-education/>

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Date: 1st December 2020

Media: NFA Post

Edition: Online

Journalist: Uma Kannan

Professor: Prof. N.V. Ravi Kumar

Headline: Despite Covid-19, IIT Madras Records Strong Pre-Placement Offers For Students

URL: <https://www.thenfapost.com/2020/11/30/despite-covid-19-iit-madras-records-strong-pre-placement-offers-for-students/>

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Date: 1st December 2020

Media: Navjeevan Express

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT-M Records Strong Pre-Placement Offers for Students this year too, despite COVID-19

URL: <https://navjeevanexpress.com/iit-m-records-strong-pre-placement-offers-for-students-this-year-too-despite-covid-19/>

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Date: 1st December 2020

Media: Edu Advice

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT Madras Records Strong Pre-Placement Offers for Students

URL: <http://eduadvice.in/home/NewsDetail?pid=32107>

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Date: 1st December 2020

Media: ET Now

Edition: Electronic

Time of telecast: 5:47 pm

Duration of telecast: 3:42 sec

Faculty covered: NA

Journalist: NA

Headline: IIT Madras: Placements Begin with A New High Of 123 Offers On Day One's First Session

Link: https://fromsmash.com/h_WElgc57O-dt



Date: 1st December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Headline: IIT-M students get 123 offers in first round of placements

URL: <https://www.thehindu.com/todays-paper/tp-national/tp-tamilnadu/iit-m-students-get-123-offers-in-first-round-of-placements/article33226921.ece>

This year's campus placement at the Indian Institute of Technology-Madras (IIT-M) began with 123 offers being made on the first day on Tuesday. The entire placement process has gone online due to the ongoing COVID-19 pandemic.

As many as 22 companies participated and had 43 job profiles. Last year, 102 offers were made by 20 companies in the first session. As many as 1,443 students have registered for the placements. Recruiters in the first session included Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso and Qualcomm.

The first session began at 7 a.m. and ended at 2 p.m. In the second session that began at 4 p.m. and ended at 11 p.m, 24 companies with 48 profiles participated. The results of the offers made will be released on Wednesday. Companies that participated in the second session included TSMC, KLA, Tencor, GE and Wipro. The first round of the first phase of the placements will end on December 8. A total of 256 companies have registered with 472 profiles.

C.S. Shankar Ram, adviser (training and placement) at the institute, said the placement team worked with the recruiting partners "to seamlessly enable the transition" from the offline mode to the online mode due to precautions for COVID-19. "It involved a lot of planning," he said.

Date: 1st December 2020

Media: The Times of India

Edition: Online

Journalist: Debashis Sarkar

Professor: Prof. CS Shankar Ram

Student: Pranjal Jain

Headline: IIT Madras reports highest-ever job offers made on day one of placements

URL: <https://timesofindia.indiatimes.com/gadgets-news/microsoft-isro-qualcomm-and-others-join-iit-madras-first-ever-online-placements/articleshow/79513505.cms>

This year's campus placement at the Indian Institute of Technology-Madras (IIT-M) began with 123 offers being made on the first day on Tuesday. The entire placement process has gone online due to the ongoing COVID-19 pandemic.

As many as 22 companies participated and had 43 job profiles. Last year, 102 offers were made by 20 companies in the first session. As many as 1,443 students have registered for the placements. Recruiters in the first session included Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso and Qualcomm.

The first session began at 7 a.m. and ended at 2 p.m. In the second session that began at 4 p.m. and ended at 11 p.m, 24 companies with 48 profiles participated. The results of the offers made will be released on Wednesday. Companies that participated in the second session included TSMC, KLA, Tencor, GE and Wipro. The first round of the first phase of the placements will end on December 8. A total of 256 companies have registered with 472 profiles.

C.S. Shankar Ram, adviser (training and placement) at the institute, said the placement team worked with the recruiting partners "to seamlessly enable the transition" from the offline mode to the online mode due to precautions for COVID-19. "It involved a lot of planning," he said.

Date: 1st December 2020

Media: The Times of India

Edition: Online

Journalist: NA

Professor: Prof. CS Shankar Ram

Student: Pranjal Jain

Headline: Rocking start for IIT-Madras placement season

URL: <https://timesofindia.indiatimes.com/city/chennai/Rocking-start-for-IIT-Madras-placement-season/articleshow/79512806.cms>

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Date: 1st December 2020

Media: The Hindu Business Line

Edition: Online

Journalist: NA

Professor: Prof. CS Shankar Ram

Headline: IIT-M: Record 123 offers in Session 1, Day One

URL: <https://www.thehindubusinessline.com/news/education/iit-m-record-123-offers-in-session-1-day-one/article33224549.ece>

This year's campus placement at the Indian Institute of Technology-Madras (IIT-M) began with 123 offers being made on the first day on Tuesday. The entire placement process has gone online due to the ongoing COVID-19 pandemic.

As many as 22 companies participated and had 43 job profiles. Last year, 102 offers were made by 20 companies in the first session. As many as 1,443 students have registered for the placements. Recruiters in the first session included Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso and Qualcomm.

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Date: 1st December 2020

Media: NDTV

Edition: Online

Journalist: NA

Professor: Prof. CS Shankar Ram

Student: Pranjal Jain, Dhruv Sriram

Headline: IIT Madras Placements: 123 Job Offers Made By 22 Companies In First Session

URL: <https://www.ndtv.com/education/iit-madras-placements-2020-123-job-offers-made-22-companies-in-first-session>

This year's campus placement at the Indian Institute of Technology-Madras (IIT-M) began with 123 offers being made on the first day on Tuesday. The entire placement process has gone online due to the ongoing COVID-19 pandemic.

As many as 22 companies participated and had 43 job profiles. Last year, 102 offers were made by 20 companies in the first session. As many as 1,443 students have registered for the placements. Recruiters in the first session included Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso and Qualcomm.

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Date: 1st December 2020

Media: The New Indian Express- EDEX

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Student: Pranjal Jain, Dhruv Sriram

Headline: IIT Madras' first placement session sees a 20% in job offers even amid the COVID-19 pandemic

URL: <https://www.edexlive.com/news/2020/dec/01/iit-madras-placements-begin-with-a-new-high-of-123-offers-on-day-ones-first-session-16262.html>

The placements at the Indian Institute of Technology Madras began by setting a new record of 123 jobs offered by 22 companies during the first session. This is higher than any of the preceding academic years, said the institute. Last year, 102 jobs were offered by 20 companies at the end of the first session.

The big recruiters of this year's first session include Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso, and Qualcomm. Phase I of Placements is expected to continue till December 1, 2020. The session began at 7 am and was wrapped up by 2 pm. It saw the participation of 22 companies covering 43 job profiles.

In the second and final slot of the day (Session 1.2) of Day One Placements that is being held between 4 pm and 11 pm today, 24 companies with 48 profiles are scheduled to participate. These companies include TSMC, KLA Tencor, GE and Wipro. Elaborating on how the entire Placement process is being conducted online this academic year due to the impact of COVID-19, Dr C S Shankar Ram, Advisor (Training and Placement), IIT Madras, said, "The IIT Madras Placement team has worked with our recruiting partners to seamlessly enable this transition. I am happy to share that we have exceeded the number of offers made in the first session from the previous academic year. I am optimistic that a similar trend would continue over the next few days."

The top recruiters of the morning session were Microsoft (19 offers), Texas Instruments (12 offers), Bajaj Auto (10 offers), ISRO (10 offers), Alphonso Inc (9 offers) and Qualcomm (8 offers).

A total of 1,443 students have registered for placements in the 2020-21 Academic Year, across different streams of study. The total number of companies registered for Phase I of Placements is 256. They will be recruiting for a total of 472 profiles. As many as 71 start-ups have registered for recruitment in the ongoing academic year 2020-21.

Sharing his experience on the online placement process this year, Pranjal Jain, Under Graduate Placement Head, IIT Madras, said, "The placement process, though conducted virtually for the first time, was very well organised. The placement team and companies were well prepared and have scheduled the interviews to avoid conflicts."

Sharing his experience in participating in online placements, Dhruv Sriram, a student from the Department of Aerospace Engineering who secured placement in McKinsey this year, said, "The Placement Session of 2020-21 at IIT Madras was definitely a challenging experience for students, organisers and companies alike. It was heartening to see the administration and the students of the placement committee rallying behind us to ensure a seamless virtual experience at each stage. Three words that best describe this placement season for me would be Empathy, Technology and Collaboration. Overall, a fantastic experience that would serve as a template for how placements may be conducted in the future across the country!"

Date: 1st December 2020

Media: Rajasthan Patrika

Edition: Online

Journalist: Ashok Rajpurohit

Professor: Prof. CS Shankar Ram

Student: Pranjal Jain, Dhruv Sriram

Headline: आइआईटी मद्रास के छात्रों ने लोहा मनवाया, कई प्रतिष्ठित कंपनियों में हुआ चयन, प्लेसमेन्ट शुरू, पहले ही दिन 123 ऑफर (IIT Madras students get selected in many reputed companies, 123 offers on first day)

URL: <https://www.patrika.com/chennai-news/a-total-of-1-443-students-have-registered-for-placements-6548891/>

भारतीय प्रौद्योगिकी संस्थान (आइआईटी) मद्रास के छात्रों ने एक बार फिर अपनी श्रेष्ठता साबित की है। कई जानी-मानी कंपनियों में छात्रों का चयन हुआ है। अकादमिक सत्र 2020-21 के लिए कैम्पस प्लेसमेन्ट में शुरुआत में ही रेकॉर्ड तोड़ दिया है। प्लेसमेन्ट के पहले ही दिन 22 कंपनियों ने 123 ऑफर दिए हैं। पिछले अकादमिक सत्र में पहले दिन 20 कंपनियों के 102 ऑफर मिले थे। पहले ही दिन माइक्रोसॉफ्ट, बजाज ऑटो, इसरो, टेक्सास इन्स्ट्रुमेंट्स, अलफोन्सो एवं क्वालकॉम शामिल रही। प्लेसमेन्ट का पहला चरण 8 दिसम्बर तक चलेगा। अकादमिक सत्र 2020-21 के लिए 1443 छात्रों ने पंजीयन कराया है। पहले चरण में प्लेसमेन्ट के लिए 246 कंपनियों का पंजीकरण हुआ है। इस सत्र के लिए 71 स्टार्टअप्स ने भी पंजीयन कराया है।.....पहले दिन के ऑफरमाइक्रोसॉफ्ट- 19 ऑफरटेक्सास इन्स्ट्रुमेंट्स -12 ऑफरबजाज ऑटो -10 ऑफरइसरो- 10 ऑफरअलफोन्सो - 9 ऑफरक्वालकॉम- 8 ऑफर.....उम्मीद है आगे भी यही ट्रेंड कायम रहेगाइस बार कोरोना महामारी के चलते प्लेसमेन्ट के लिए ऑनलाइन प्रोसेज ही अपनाया गया। पिछले अकादमिक सत्र के मुकाबले इस साल पहले दिन अधिक ऑफर मिले हैं। उम्मीद है कि अगले दिनों में भी यही ट्रेंड कायम रह सकेगा।- प्रोफेसर सी.एस. शंकर राम, सलाहकार (ट्रेनिंग एवं प्लेसमेन्ट) आइआईटी मद्रास।.....वर्चुअली प्लेसमेन्टपहली बार वर्चुअली प्लेसमेन्ट प्रोसेज हो रहा है। प्लेसमेन्ट टीम एवं कंपनियां पूरी तैयारी के साथ आए हैं।- प्रांजल जैन, अंडर ग्रेजुएट प्लेसमेन्ट हैड, आइआईटी मद्रास।.....एक अलग अनुभव रहाआइआईटी मद्रास में अकादमिक सत्र 2020-21 के लिए प्लेसमेन्ट सत्र बहुत चुनौतीपूर्ण एवं अच्छा अनुभव रहा है। हर स्टेज पर अलग अनुभव देखने को मिला। धैर्य एवं तकनीकी की परीक्षा प्लेसमेन्ट में देखने को मिली।- ध्रुव साइराम, मैकिन्से कंपनी में प्लेसमेन्ट चयन, एयरोस्पेश इंजीनियरिंग के छात्र।.....

Date: 1st December 2020

Media: Rojgar Rath

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Student: Pranjal Jain

Headline: IIT-M: सत्र 1, दिन एक में 123 प्रस्ताव (IIT-M: 123 Proposals in Session 1, Day One)

URL: <https://rojgarrath.in/iit-m-सत्र-1-दिन-एक-में-123-प्रस्ताव/>

भारतीय प्रौद्योगिकी संस्थान मद्रास में 2020-21 शैक्षणिक वर्ष के लिए कैम्पस प्लेसमेंट मंगलवार को पहले दिन के पहले सत्र के दौरान 22 कंपनियों द्वारा किए गए 123 प्रस्तावों के साथ एक नया रिकॉर्ड स्थापित करके शुरू हुआ। यह पूर्ववर्ती शैक्षणिक वर्षों की तुलना में अधिक था। 2019-20 के अंतिम शैक्षणिक वर्ष, पहले सत्र के अंत में 20 कंपनियों द्वारा कुल 102 प्रस्ताव किए गए थे। इस वर्ष के पहले सत्र के प्रमुख रिक्रूटर्स में Microsoft (19 ऑफ़र), टेक्सास इंस्ट्रूमेंट्स (12), बजाज ऑटो (10), ISRO (10), अल्फांसो इंक (9), और कालकॉम (8) शामिल हैं। IIT-M की एक प्रेस विज्ञप्ति में कहा गया है कि प्लेसमेंट का चरण 8 दिसंबर तक जारी रहेगा। प्लेसमेंट की प्रक्रिया कोविड -19, सीएस शंकर राम, सलाहकार (प्रशिक्षण और प्लेसमेंट), आईआईटी मद्रास के प्रभाव के कारण इस शैक्षणिक वर्ष को ऑनलाइन कैसे पूरा किया जा रहा है, इसकी विस्तृत जानकारी देते हुए कहा, "प्लेसमेंट टीम ने हमारे भर्ती भागीदारों के लिए काम किया है। मूल रूप से इस संक्रमण को सक्षम करें। मुझे यह बताते हुए खुशी हो रही है कि हमने पिछले शैक्षणिक वर्ष से 1.1 सत्र में किए गए प्रस्तावों की संख्या को पार कर लिया है। मैं आशावादी हूँ कि अगले कुछ दिनों तक इसी तरह का सिलसिला जारी रहेगा।" अध्ययन की विभिन्न धाराओं के पार, 2020-21 शैक्षणिक वर्ष में कुल 1,443 छात्रों ने प्लेसमेंट के लिए पंजीकरण किया है। प्लेसमेंट के चरण के लिए पंजीकृत कंपनियों की कुल संख्या 256 है। वे 472 प्रोफाइल के लिए भर्ती करेंगे। विज्ञप्ति के अनुसार, 71 स्टार्ट-अप ने भर्ती के लिए पंजीकरण किया है। ऑनलाइन सिस्टम सुचारू इस साल ऑनलाइन प्लेसमेंट प्रक्रिया पर, आईआईटी मद्रास के अंडरग्रेजुएट प्लेसमेंट हेड, प्रांजल जैन ने कहा कि नियुक्ति प्रक्रिया, हालांकि, लगभग पहली बार आयोजित की गई थी, बहुत अच्छी तरह से आयोजित की गई थी। उन्होंने कहा कि प्लेसमेंट टीम और कंपनियां अच्छी तरह से तैयार थीं और संघर्ष से बचने के लिए साक्षात्कार निर्धारित किया था।

Date: 1st December 2020

Media: Gadget Now

Edition: Online

Journalist: Debashis Sarkar

Professor: Prof. C. S. Shankar Ram

Student: Pranjal Jain

Headline: IIT Madras reports highest-ever job offers made on day one of Placements

URL: <https://www.gadgetsnow.com/tech-news/microsoft-isro-qualcomm-and-others-join-iit-madras-first-ever-online-placements/articleshow/79513521.cms>

Indian Institute of Technology Madras' campus placements were held for the first time online and a total of 123 offers were made by 22 companies during Day One's Session 1.1 on December 1. As per the institute, this is higher than any of the preceding academic years. "During the last academic year of 2019-20, 102 offers were made by 20 companies at the end of Session 1.1," it said. The big recruiters of this year's first session include Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso, and Qualcomm. The Phase I of Placements is expected to continue till December 8. The top recruiters of Session 1.1 include Microsoft which made 19 offers followed by Texas Instruments, Bajaj Auto, ISRO, Alphonso Inc and Qualcomm. A total of 1,443 students have registered for placements in the 2020-21 session, across different streams of study. The total number of companies registered for Phase I of Placements is 256. They will be recruiting for a total of 472 profiles. As many as 71 start-ups have registered for recruitment in the ongoing academic year 2020-21. Sharing the experience of the online placement process this year, Pranjal Jain, Under Graduate Placement Head, IIT Madras, said, "The placement process, though conducted virtually for the first time, was very well organized. The placement team and companies were well prepared and have scheduled the interviews to avoid conflicts." Elaborating on how the entire placement process is being conducted online this academic year due to the impact of COVID-19, prof. C.S. Shankar Ram, Advisor (Training and Placement), IIT Madras, said, "The IIT Madras Placement team has worked with our recruiting partners to seamlessly enable this transition. I am happy to share that we have exceeded the number of offers made in the 1.1 session from the previous academic year. I am optimistic that a similar trend would continue over the next few days."

Date: 1st December 2020

Media: Trinity Mirror (clip attached)

Edition: Chennai

Page No: 4

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Headline: IIT-M records strong pre-placement offers

IIT-M records strong pre-placement offers

Chennai, Dec 1: The students of Indian Institute of Technology Madras (IIT-M) have registered a strong show in pre-placements this year, said a statement from the institute which added that the offers increased during 2020-21 compared with the preceding academic year, despite the Covid-19 pandemic.

"As many as 182 offers were made to the IIT-M students this academic year so far, as against 170 offers in the entire 2019-20 academic year," the statement claimed. The first phase of campus placements is scheduled to commence on Tuesday.

A major factor behind this performance is the strong internship programme of the institute, the statement said adding that the internship drive

was conducted completely online this year. The companies that offered these jobs include Texas Instruments, Microsoft, Qualcomm, Goldman Sachs and American Express.

Highlighting the importance of internships, Prof NV Ravi Kumar, Advisor (Internships), IIT-M, said, "We

have been observing a direct correlation between internships and pre-placement offers ever since the internship office was created. Internships provide an excellent opportunity to understand the working culture and expectations of the companies."

Date: 1st December 2020

Media: Zee Business

Edition: Online

Journalist: Prashant Singh

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT Madras Placements 2020: 1st phase begins today! Pre-placement offers (PPO) witness surge - All details here

URL: <https://www.zeebiz.com/jobs/news-iit-madras-placements-2020-1st-phase-begins-today-pre-placement-offers-ppo-witness-surge-all-details-here-142390>

It's a good news for Indian Institute of Technology (IIT), Madras students as pre-placement offers (PPO) have seen a rise during 2020-21 when compared with last year. The first phase of campus placement is set to commence on December 1. As many as 182 PPOs have been made to students in this academic year (as on November 28) as against 170 offers during the entire 2019-20 academic year. The institute's internship programme, conducted completely online this year for the first time in its history to overcome restrictions on account of the pandemic, could be the reason for the slew of PPOs, a press release said.

The internships, facilitated through an institute- coordinated process, enables students to intern with companies that are large recruiters. The constant increase in PPOs was the result of the excellent performance of students during the internships.

Microsoft and Texas Instruments led the pack offering 12 PPOs each followed by Qualcomm with 10 and Goldman Sachs and American Express with nine each, the release from IIT- Madras said.

The major sectors that offered PPOs during 2020-21 were information technology (46 per cent); core and R&D (29 per cent); analytics, consulting and finance (19 per cent) and FMCG (6 per cent), the release said.

According to C S Shankar Ram, advisor (Training and Placement), IIT-Madras, the sustained increase in the number of PPOs this year is a clear reflection of the academic quality of IIT-Madras and its students. "I am optimistic that we would be able to carry forward this momentum and our students would obtain the best possible job offers in Phase-1 placements," he said in the release.

Day-one (August 30) of the internship drive saw 17 companies offering 140 internships.

In 2019, 147 internship offers were made on day-one, the release said.

N V Ravi Kumar, advisor (Internships), IIT-Madras, said, We have been observing a direct correlation between internships and PPOs since the internship office was created. Internships provide an excellent opportunity for students to understand the working culture and expectations of companies they work for and for the companies to realise the potential of our students during that short period." When interests and expectations of interns and companies match, it culminates in pre-placements offers, he added.

Date: 1st December 2020

Media: MSN

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram, Prof. N.V. Ravi Kumar

Headline: IIT Madras Placements 2020: 1st phase begins today! Pre-placement offers (PPO) witness surge - All details here

URL: <https://www.msn.com/en-in/money/technology/iit-madras-placements-2020-1st-phase-begins-today-pre-placement-offers-ppo-witness-surge-all-details-here/ar-BB1bwckl>

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The major sectors that offered PPOs during 2020-21 were information technology (46 per cent); core and R&D (29 per cent); analytics, consulting and finance (19 per cent) and FMCG (6 per cent), the release said.

According to C S Shankar Ram, advisor (Training and Placement), IIT-Madras, the sustained increase in the number of PPOs this year is a clear reflection of the academic quality of IIT-Madras and its students. "I am optimistic that we would be able to carry forward this momentum and our students would obtain the best possible job offers in Phase-1 placements," he said in the release.

Day-one (August 30) of the internship drive saw 17 companies offering 140 internships. In 2019, 147 internship offers were made on day-one, the release said.

N V Ravi Kumar, advisor (Internships), IIT-Madras, said, We have been observing a direct correlation between internships and PPOs since the internship office was created. Internships provide an excellent opportunity for students to understand the working culture and expectations of companies they work for and for the companies to realise the potential of our students during that short period." When interests and expectations of interns and companies match, it culminates in pre-placements offers, he added.

Date: 1st December 2020

Media: Career360

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Headline: IIT-M students bag 182 job offers ahead of the virtual placement drive

URL: <https://news.careers360.com/iit-m-students-bag-182-job-offers-ahead-of-virtual-placement-drive>

It's a good news for Indian Institute of Technology (IIT), Madras students as pre-placement offers (PPO) have seen a rise during 2020-21 when compared with last year. The first phase of campus placement is set to commence on December 1. As many as 182 PPOs have been made to students in this academic year (as on November 28) as against 170 offers during the entire 2019-20 academic year. The institute's internship programme, conducted completely online this year for the first time in its history to overcome restrictions on account of the pandemic, could be the reason for the slew of PPOs, a press release said.

The internships, facilitated through an institute- coordinated process, enables students to intern with companies that are large recruiters. The constant increase in PPOs was the result of the excellent performance of students during the internships.

Microsoft and Texas Instruments led the pack offering 12 PPOs each followed by Qualcomm with 10 and Goldman Sachs and American Express with nine each, the release from IIT- Madras said.

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Date: 1st December 2020

Media: Money Control

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Headline: Day 1 of IIT placements: Record figures as recruiters come back virtually to engineering campuses

URL: <https://www.moneycontrol.com/news/business/economy/day-1-of-iit-placements-record-figures-as-recruiters-come-back-virtually-to-engineering-campuses-6177061.html>

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Date: 1st December 2020

Media: Business Line on Campus

Edition: Online

Journalist: NA

Student: Tarun Nagdev, Tanya Gupta and Tanya Tomar

Headline: Great Lakes wins Chennai semi-finals

URL: <https://bloncampus.thehindubusinessline.com/b-school-corner/great-lakes-wins-chennai-semi-finals/article33223603.ece>

A team comprising the duo of Isha Agarwal and Nishant Thomas from Great Lakes Institute of Management won the Chennai leg of the BLoC Boardroom Challenge 2020.

The contest featured four teams in the Chennai round. Anjana Jayalakshmi and Ishani Koshta of XIME were the runners-up while the duo of Jayanthi S and Yamini M from MOP Vaishnav's department of management studies came in third and a team comprising Tarun Nagdev, Tanya Gupta and Tanya Tomar from the Department of Management Studies, IIT Madras, finished fourth.

The students had to present a branding strategy for an FMCG brand and also discuss how this brand could shore up its falling market shares in emerging categories. The teams were scored on their understanding and analysis of the case, the case solution, their presentations and also on team work. Great Lakes will now meet the winners of the semi-finals from other eight cities in the finals.

The jury for the semi-finals comprised KS Rao, Senior Vice-President and Head, Investor Education and Distribution Development, Aditya Birla Sun Life AMC; Vishwadeep Kuila of branding consultancy Brand Vectors, and Sivakumar, a people performance analyst and executive coach.

The Coimbatore semi-finals is on December 2 and viewers can register and view all the semi-finals on this link: <https://bit.ly/3q61NF4>. The semi-finals across the different cities will be on till December 10.

Date: 1st December 2020

Media: The Hindu Business Line

Edition: Online

Journalist: NA

Headline: BLoC Boardroom Challenge 2020: Great Lakes wins Chennai semi-finals

URL: <https://www.thehindubusinessline.com/news/national/great-lakes-wins-chennai-semi-finals/article33223767.ece>

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Date: 1st December 2020

Media: The Quint

Edition: Online

Journalist: NA

Headline: QS World University Ranking: IIT Bombay Tops Indian Institutes

URL: <https://www.thequint.com/news/education/qs-world-university-ranking-2021-iit-bombay-tops-indian-institutes>

For the third time in a row, Indian Institute of Technology (IIT) Bombay has topped the list as the best institute in India in the latest QS World University Ranking 2021.

Globally, IIT Bombay has been ranked 172nd by QS. A total of eight Indian institutes have found a foothold in the top 500 universities in the world.

The United States has remained dominant in the ranking with four out of the five institutes. The Massachusetts Institute of Technology has continued to be the top-ranking university in the world, followed by Stanford, Harvard and California University of Technology (Caltech).

QS ranking claims universities from across 80 different locations were ranked across six metrics — academic reputation, employer reputation, faculty-student ratio, citations per faculty, international faculty ratio, and international student ratio.

QS World University Ranking 2021: Top Institutes in India

Rank 172: IIT-Bombay

Rank 185: IISc Bangalore

Rank 193: IIT-Delhi

Rank 275: IIT-Madras

Rank 314: IIT-Kharagpur

Rank 350: IIT-Kanpur

Rank 387: IIT-Roorkee

Rank 470: IIT-Guwahati

501-510: University of Delhi

601-650: IIT-Hyderabad

651-700: Jadavpur University

QS World University Ranking 2021: Top 10 Institutes

- Rank 1: Massachusetts Institute of Technology (MIT)
- Rank 2: Stanford University
- Rank 3: Harvard University
- Rank 4: California Institute of Technology
- Rank 5: University of Oxford
- Rank 6: ETH Zurich
- Rank 7: University of Cambridge
- Rank 8: Imperial College London
- Rank 9: University of Chicago
- Rank 10: UCL

Date: 1st December 2020

Media: The Quint- Hindi

Edition: Online

Journalist: NA

Headline: QS World University Ranking 2021: पहले स्थान पर आईआईटी बॉम्बे (QS World University Ranking: IIT Bombay Tops Indian Institutes)

URL: <https://hindi.thequint.com/news/education/qs-world-university-ranking-2021-iit-bombay-ranked-first-in-the-rankings>

QS World University Ranking 2021: लगातार तीसरी बार भारतीय प्रौद्योगिकी संस्थान (IIT) बॉम्बे ने नवीनतम QS वर्ल्ड यूनिवर्सिटी रैंकिंग 2021 में भारत के सर्वश्रेष्ठ संस्थानों की सूची में अपना पहला स्थान बनाया है.

दुनिया भर के शीर्ष विश्वविद्यालयों में, IIT बॉम्बे को QS द्वारा 172 वां स्थान दिया गया है. दुनिया के शीर्ष 500 विश्वविद्यालयों में कुल आठ भारतीय संस्थानों को जगह मिली है.

यूएसए शीर्ष पांच संस्थानों में से चार के साथ रैंकिंग पर हावी रहा है. मैसाचुसेट्स इंस्टीट्यूट ऑफ टेक्नोलॉजी दुनिया में शीर्ष रैंकिंग विश्वविद्यालय बना हुआ है, इसके बाद स्टैनफोर्ड, हार्वर्ड और कैलिफोर्निया यूनिवर्सिटी ऑफ टेक्नोलॉजी (केलटेक) हैं.

क्यूएस रैंकिंग 80 से अधिक स्थानों के आधार पर इन छह मानक- अकादमिक प्रतिष्ठा, नियोक्ता प्रतिष्ठा, संकाय-छात्र अनुपात, प्रति संकाय उद्घरण, अंतर्राष्ट्रीय संकाय अनुपात और अंतर्राष्ट्रीय छात्र अनुपात में रैंक के आधार पर तय किया जाता है.

QS वर्ल्ड यूनिवर्सिटी रैंकिंग 2021: भारत में सर्वश्रेष्ठ संस्थान

- रैंक 172: आईआईटी बॉम्बे
- रैंक 193: आईआईटी-दिल्ली
- रैंक 275: आईआईटी-मद्रास
- रैंक 314: आईआईटी-खड़गपुर
- रैंक 350: आईआईटी-कानपुर
- रैंक 387: आईआईटी-रुड़की
- रैंक 470: आईआईटी-गुवाहाटी
- 501-510: दिल्ली विश्वविद्यालय
- 601-650: आईआईटी-हैदराबाद
- 651-700: जादवपुर विश्वविद्यालय

Date: 2nd December 2020

Media: The Times of India clip attached)

Edition: Chennai

Page No: 3

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Headline: IIT-Madras students bag 123 offers on day 1 of placement

URL: <https://timesofindia.indiatimes.com/city/chennai/iit-madras-students-bag-123-offers-on-day-1-of-placement/articleshow/79521267.cms>

IIT-M students bag 123 offers on day 1 of placement

TIMES NEWS NETWORK

Chennai: In a bright start to the placement season amid the pandemic, IIT Madras students bagged 123 job offers from 22 companies on the first session of day 1.

The placement interviews are being conducted online due to the Covid-19 pandemic this year. Last year, 102 offers were made by 20 companies at the end of the first session.

The big recruiters of this year's first session include Microsoft (19 offers), Texas Instruments (12 offers), Bajaj Auto (10 offers), Isro (10 offers), Alphonso (9 offers) and Qualcomm (8 offers).

For the second session on Day 1, the institute scheduled 24 companies with 48 job profiles including GE and Wipro.

C S Shankar Ram, advisor (training and placement), IIT Madras, said, "We have exceeded the number of offers made in the 1.1 session from the previous academic year. I am optimistic that a similar trend would continue over the next few days."

A total of 1,443 students have registered for placements for the 2020-21 season. The total number of companies registered for phase I of

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placements is 256. They will be recruiting for a total of 472 profiles. As many as 71 startups registered this year. IIT Madras students have received 182 pre-placement offers which also an increase compared to 170 offers last year. However, the premier institute has not mentioned about the internal offers in the release. When enquired, officials said they would get clear picture at the end of phase 1 of the placement drive.

Before conducting the online placement drive, the placement team has conducted surveys to identify students with connectivity issues and helped them attend the placement interview through online.

Date: 2nd December 2020

Media: The Hindu Business Line (clip attached)

Edition: Bangalore / New Delhi / Mumbai / Hyderabad

Page No: 9

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Student: Pranjal Jain

Headline: IIT-M: Record 123 offers in Session 1, Day One

URL: <https://www.thehindubusinessline.com/news/education/iit-m-record-123-offers-in-session-1-day-one/article33224549.ece>

IIT-M: Record 123 offers in Session 1, Day One

OUR BUREAU

Chennai, December 1

Campus placement for the 2020-21 academic year at Indian Institute of Technology Madras began on Tuesday by setting a new record with 123 offers made by 22 companies during the first session of day one. This was higher than any of the preceding academic years. Last academic year of 2019-20, a total of 102 offers were made by 20 companies at the end of the first session.

Major recruiters of this year's first session include Microsoft (19 offers), Texas Instruments (12), Bajaj Auto (10), ISRO (10), Alphonso Inc

(9), and Qualcomm (8). The phase I of placements is expected to continue till December 8, says a press release from IIT-M.

Placement process

Elaborating on how the entire placement process is being conducted online this academic year due to the impact of Covid-19, CS Shankar Ram, Advisor (Training and Placement), IIT Madras, said, "The Placement team has worked with our recruiting partners to seamlessly enable this transition. I am happy to share that we have exceeded the number of offers made in the 1.1 session



from the previous academic year. I am optimistic that a similar trend would continue over the next few days."

A total of 1,443 students have registered for placements in the 2020-21 Academic Year, across different streams of study. The total number of companies re-

gistered for Phase I of Placements is 256. They will be recruiting for 472 profiles. As many as 71 start-ups have registered for recruitment, says the release.

Online system smooth

On the online placement process this year, Pranjal Jain, Undergraduate Placement Head, IIT Madras, said that the placement process, though conducted virtually for the first time, was very well organised.

The placement team and companies were well prepared and have scheduled the interviews to avoid conflicts, he said.

Date: 2nd December 2020

Media: DT Next

Edition: Online

Journalist: NA

Headline: 22 firms make 123 offers at IIT on Day 1

URL: <https://www.dtnext.in/News/City/2020/12/02034329/1264666/22-firms-make-123-offers-at-IIT-on-Day-1.vpf>

It was higher than any of the preceding academic years. In 2019-20, 102 offers were made by 20 companies at the end of session one.

A release from IIT-M said this year's big recruiters include Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso, and Qualcomm. Phase one of the placements is expected to continue till December 8.

Session one of Placements at IIT-M saw the participation of 22 companies covering 43 job profiles. In the second and final slot of the day of day one placements, that was held between 4 pm and 11 pm on Tuesday, 24 companies with 48 profiles were scheduled to participate. These companies include TSMC, KLA Tencor, GE, and Wipro.

The top recruiters include Microsoft (19 offers), Texas Instruments (12 offers), Bajaj Auto (10 offers), ISRO (10 offers), Alphonso Inc (9 offers), and Qualcomm (8 offers).

A total of 1,443 students have registered for placements in the 2020-21 Academic Year, across different streams of study.

The total number of companies registered for Phase I of placements was 256. They will be recruiting for a total of 472 profiles. As many as 71 start-ups have registered for recruitment in the ongoing academic year 2020-21.

Date: 2nd December 2020

Media: Navjeevan Express

Edition: Online

Journalist: Shubham Shaw

Professor: Prof. C. S. Shankar Ram

Student: Pranjal Jain, Dhruv Sriram

Headline: IIT Madras Placements begin with a new high of 123 Offers on Day One's First Session

URL: <https://navjeevanexpress.com/iit-madras-placements-begin-with-a-new-high-of-123-offers-on-day-ones-first-session/>

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Date: 2nd December 2020

Media: Hindustan Times (clip attached)

Edition: Mumbai

Page No: 4

Journalist: Shreya Bhandary

Headline: Online IIT placements: Fewer packages from foreign firms

URL: <https://www.hindustantimes.com/cities/online-iit-placements-fewer-packages-from-foreign-firms/story-2dAgDnsrjmxl7mBShZnpql.html>

Online IIT placements: Fewer packages from foreign firms

Shreya Bhandary

shreya.bhandary@hindustantimes.com

MUMBAI: Placements across Indian Institutes of Technology (IITs) kicked off virtually on Tuesday. While the total number of international offers were lower than last year's figures, the biggest domestic packages across IITs were higher than those offered in 2019.

As per the placement report, for the first half of the day shared by IIT-Bombay (IIT-B), 18 companies offered jobs across sectors and the highest annual package (₹46.41 lakh) was offered by Qualcomm. Last year, the highest domestic annual package was ₹32.59 lakh and from Qualcomm. The highest international salary package (1.57 lakh euro or approximately ₹1.39 crore) was offered by proprietary trading firm Optiver.

At IIT-Roorkee, the annual package for a domestic role saw a rise with ₹80 lakh being offered, which is more than last year's offer of ₹62.2 lakh.

"On day one of placements, a total of 25 companies offered over 272 domestic jobs and three international offers," said a spokesperson for the institute. While last year, there were 10 international job offers in the first half of the first day, three international job offers were made in the corresponding time



The biggest domestic packages across IITs were higher than those offered in 2019.

HT FILE

this year. In 2018, seven international job offers had been made in this time.

"We were expecting lower international job offers this year [due to the pandemic]," said an IIT-B official, requesting anonymity.

"Some recruiters, however, have assured a one-year stint in India followed by an international stint to a handful of students." Microsoft, which has offered the highest international packages across IITs three years in a row, had only domestic roles to offer this year.

At IIT-Madras, students received 123 job offers from 22 companies. "The total number of job offers on day one is higher than in any preceding

year. Last year, 102 jobs were offered by 20 companies on day one. The highest number of jobs offers were made by Microsoft, Texas Instruments with 19 and 12 jobs respectively, followed by Bajaj Auto and ISRO with 10 jobs each," said the institute on Tuesday.

Pre-placement offers (PPO) were higher than last year across all IITs. By Tuesday, 153 PPOs were accepted by students of IIT-B. Students at IIT-Madras received 182 PPOs compared to last year's 170. "We are still expecting more job offers for various profiles over the next few days," said Prof Vinay Sharma, professor-in-charge, placement and internship, IIT-Roorkee.

Date: 2nd December 2020

Media: The Times of India (clip attached)

Edition: Chennai

Page No: 1,11

Journalist: Yogita Rao, Hemali Chhappia

Headline: Top pay may be Rs 148cr; students of IIT-M get 182 pre-placement offers

Top pay may be ₹1.48cr, students of IIT-M get 182 pre-placement offers

US Jobs Down, Japan, Taiwan Firms Line Up

Yogita Rao
& Hemali Chhappia | TNN

Mumbai: California-based IT giant Cohesity may offer the highest annual pay packet of \$2,00,000 (₹1.48 crore) at some IITs this placement season. However, the number of US profiles offered on the campuses may drop, with leading recruiters from last year — Microsoft and Uber — likely to offer only Indian positions.

The first phase of interviews will start in the virtual

format. Despite the pandemic and a global slowdown, the leading IITs are hoping to meet their placement targets.

At IIT-Bombay, US offers are expected from Cohesity and HILabs and trading firm Optiver has an Amsterdam opening. Al-

most 550 companies have registered for placements, including the ones that have given pre-placement offers (PPOs). Among international recruiters, there are more Japanese and Taiwanese firms than US, said students. The institute also has some core companies offering IT-related profiles.

At IIT-Madras, as on November 27, 252 companies had registered for the placements. The corresponding number last year was 242. As many as 182 pre-placement offers were made to IIT-M students this year compared to 170 offers in 2019-20. A placement office member said that so far, PPO trends seem to be positive.

► **Recruit top talent, P 11**

Asian firms pay in dollars to recruit top talent

► **From P 1**

An IIT-Bombay student said, “While the number of firms registered with the institute is not affected significantly due to the pandemic, we will have to see how many offers are eventually made in the first few days.” Another said that the slow economy, visa issues and government policies had anyway affected recruitment by US-based firms in the recent past, and the pandemic has only added to the problem. “Profiles with larger packages are not viable in work-from-home setup,” he added.

Firms offering Indian profiles with pay packets between ₹25 to ₹37 lakh per annum include Morgan Stanley, Uber, Microsoft and Flipkart. Others visiting (virtually) include

Sony Japan, Honda, Huawei Technologies, Cube Research, Schlumberger, Zomato, etc.

“We also have companies with job locations in Singapore and Hong Kong. Interestingly, some of them are offering compensation in US dollars and not their local currency so as to acquire top talent,” said another IIT-B student.

In keeping with tradition, IIT Kharagpur, will kickstart its process in the early hours of December 1, but online. A total of 2,000 students and 175-odd companies will be participating. The number of companies is at par with last year’s figure, said placement dean Raja Kumar.

“Software industries are also improving due to online business growth and will offer additional support. However there might be some nominal reduction in number of hires at this time,” he added.

On first day, IIT-Kanpur sees 226 offers

► Continued from page 1

At IIT-Bombay, Optiver picked seven students for roles in trading, software and Quant research for Amsterdam and Sydney profiles. There were more interviews scheduled by Optiver even in the second slot at IIT-Bombay, said a student. A student said the number of roles offered by the institute is very encouraging given the pandemic situation. Cohesity, with the highest offer, had shortlisted one student for the US profile in the second slot. The final of-

fer was not confirmed.

Domestic recruiters like Qualcomm picked a larger number — 11 from Bombay and eight from IIT-Madras. The telecom major's compensation package stood at Rs 46.4 lakh, followed by Rs 39.7 lakh offered by WorldQuant, Rs 37.2 lakh by Morgan Stanley and Rs 35.3 lakh by Uber. Around 18 companies were part of the first session, and the highest offers were made by Microsoft, Google, Texas Instruments, Qualcomm, Boston Consulting Group, Apple, and Bain & Co at IIT-Bombay. A total of 153 pre-placement offers (PPOs)

were made to the graduating class of 2021 from the institute.

At IIT-Kanpur, day one closed with 226 offers. Graviton Trading picked three students for a package of Rs 82 lakh, and QuantBox offered a package of Rs 80 lakh to one student. Cohesity offered the US profile to one student. Other leading domestic offers of over Rs 60 lakh were made by Apple and Cohesity (for Indian profiles). Google and Microsoft offered attractive packages for domestic profiles at the institute.

IIT-Madras beat the Covid blues as 123 offers were made

by 22 companies during day one's Session 1.1, higher than in any of the preceding academic years. Top recruiters at IIT-Madras included Microsoft (19 offers), Texas Instruments (12), Bajaj Auto (10), Isro (10), Alphonso Inc (9).

Of the 425 internship opportunities, 276 were converted into pre-placement offers at IIT-Kharagpur.

At IIT-Roorkee, three international offers were made in the first slot, one each from Japanese IT firm Diverta Inc, Topline and London-based investment firm Squarepoint Capital.

Date: 2nd December 2020

Media: Business Standard (clip attached)

Edition: Bangalore / Mumbai / New Delhi

Page No: 1, 13

Journalist: Vinay Umarji

Headline: IIT placements escape pandemic blues

URL: https://www.business-standard.com/article/education/optiver-makes-highest-international-offer-of-rs-1-39-crore-pa-at-iit-bombay-120120101382_1.html

OPTIVER MAKES ₹1.39 CRORE OFFER AT IIT BOMBAY

IIT placements escape pandemic blues

VINAY UMARJI

Ahmedabad, 1 December

Dutch firm Optiver has made the highest international offer of ₹1.57 lakh (₹1.39 crore) per annum at the Indian Institute of Technology (IIT) Bombay as the premier institutes kicked off their final placements process on Tuesday.

Apart from Optiver, IIT Bombay saw highest domestic salaries being offered on the first day of placements by Qualcomm (₹46.41 lakh/annum), WorldQuant (₹39.70 lakh/annum), Morgan Stanley (₹37.25 lakh/annum) and Uber (₹35.38 lakhs/annum)

In terms of number of offers, Microsoft, Google, Texas Instruments, Qualcomm, Boston Consulting Group and Apple were among the top recruiters across some of the major IITs, including Bombay and Madras.

Participating in the first session of Day One, Microsoft extended 19 offers, followed by Texas Instruments (12), Bajaj Auto (10), ISRO (10), Alphonso Inc (9) and Qualcomm (8) at IIT Madras. While the IITs are mum on the international salary packages offered this year, sources said that the likes of



Microsoft and Cohesity, too, have offered crore-plus salaries to some of the students. The second session was still on till the time of going to print on Tuesday night.

By the first session itself, IIT Madras saw a 20 per cent jump in the total number of offers—123 in all—extended by 22 recruiters this year. Last year, the number was 102. On the first day, a total of 46

THE OFFERS

- Qualcomm offers highest domestic salary of ₹46.41 lakh/annum at IIT Bombay
- IIT Roorkee sees 33.3% jump in highest domestic salary in first session
- Microsoft emerges top recruiter with 19 offers at IIT Madras
- First day first session sees 20% YoY jump in offers at IIT Madras
- Pre-placement offers at IIT Madras at five-year high at 182

recruiters lined up with 91 job profiles.

At IIT Roorkee, the first slot till Tuesday afternoon saw 25 companies make 119 offers, with the highest domestic salary rising by 33.3 per cent to ₹80 lakh—up from ₹60 lakh last year.

IIT Roorkee also saw three international offers though the salary details were not disclosed for those. This year, IIT Roorkee

also saw a 10 per cent increase in pre-placement offers (PPO) at 153 as compared to 139 last year. Including PPOs, total offers in the first two slots till Tuesday afternoon stood at 272. Marquee recruiters from IT, consulting, automobile and core domains extended offers. Among them were Amazon, Cohesity, Microsoft, Oracle, Qualcomm, Flipkart, Goldman Sachs, Intel, Jaguar Land Rover, JPMorgan Chase, SAP Labs, Texas Instruments, Uber and Vedanta Limited (Calm Oil & Gas), besides others.

IIT Guwahati, meanwhile, attracted 69 offers by first session of Day One with marquee recruiters like Google, Microsoft, Goldman Sachs, Qualcomm, Texas Instruments, Adobe, Quadey, Oracle, Walmart, Bajaj, American Express, Uber, Accenture Japan, and MTX, among others participating in the recruitment drive.

Job offers in profiles such as software development engineer, member technical staff, hardware, machine learning, data science, business analyst, quant, core engineering (automobile), analyst, product designer, and graphic designer, among others, were made at IIT Guwahati.

Turn to Page 13 ▶

Optiver...

Placements were still in progress for the day. A total of 1,443 students have registered for placements in the 2020-21 academic year at IIT Madras with 256 companies registering for first phase of placements. The registered companies have committed to recruit 472 profiles. As many as 71 start-ups have also registered for recruitment in the ongoing academic year 2020-21. Before the final placements process began on Tuesday, several IITs also attracted pre-placement offers (PPOs) from recruiters after successful stint by their students during summer internships. This year, while IIT Bombay has so far seen 153 PPOs being accepted by students, which is higher than last year, IIT Guwahati saw 133 students bagging PPOs.

Journalist: Sreeradha D Basu, Prachi Verma Dadhwaj

Headline: Day 1 of IIT placements bring in fat salary offers

URL: <https://economictimes.indiatimes.com/jobs/day-1-of-iit-placements-bring-in-fat-salary-offers/articleshow/79516733.cms>

Day 1 of IIT Placements Bring in Fat Salary Offers

Placement process at IITs goes online even as number of global job offers fall

Sreeradha D Basu & Prachi Verma Dadhwaj

Kolkata | New Delhi: The first day of final placements at the Indian Institutes of Technology (IITs) saw no dearth of big-ticket salary offers as recruiters vied for the country's top engineering talent amid a pandemic-induced slowdown.

Still, as the IITs went completely online with their final placements for the first time ever, the number of international offers saw a drop. Cohesity, as first reported by ET, is offering the highest annual package of \$200,000 (₹1.48 crore) for a US role. At IIT Bombay, trading firm Optiver made an international offer of ₹157,000 (₹1.39 crore).

According to various campus placement cells that ET spoke to, big salaries were offered by the likes of B2B SaaS startup Ally.io with around \$140,000 (₹1.03 crore) for an international role.

Quantitative trading firm Graviton and proprietary trading firm Quantbox are offering salaries of around ₹80 lakh, said campus placement members, while global cloud implementation partner MTX Group was paying upwards of ₹70 lakh, they said.

Cohesity Emerges as Top Paymaster

RECRUITERS ON FIRST DAY:

Microsoft, Oracle, Amazon, Flipkart, Qualcomm India, Sprinklr, Texas Instruments, Uber, Oracle, Goldman Sachs, JPMorgan Chase & Co, Bajaj Auto

Ally.io, Graviton, Quantbox, MTX Group paying upwards of ₹70 lakh to hire IIT students, say campus placement cells



Top international offer of \$200,000 from Cohesity for US roles



At IIT Roorkee, the highest domestic offer was ₹80 lakh, a 33% jump over last year's maximum of ₹60 lakh

"MTX really believes in identifying and nurturing young talent across the world," said chief people officer Ankita Sinha. "We have collaborated with IIT Delhi, Bombay, Madras, BHU, Kanpur, Roorkee, Kharagpur, Guwahati and plan to hire approximately 45-50 students across various job roles/technologies."

Mano Kurlen, head of business development at Graviton Research Capital, said in an email: "The salary is in the ballpark. Our offer could be higher than that figure."

Proprietary trading firm Quadeye's package was upwards of ₹58 lakh, said placement team members. Qualcomm offered ₹46.41

lakh at IIT Bombay while WorldQuant offered ₹39.7 lakh, both for domestic roles, the institute said.

Ally.io, Quadeye and Quantbox did not respond to queries.

Despite the overall economic environment expected to take a toll on hiring numbers per company this placement season, the first day saw a number of offers being made. IIT Madras said it saw a record 123 in the first session of Day 1, compared with 102 in the year-earlier period. At IIT Roorkee, the highest domestic offer was ₹80 lakh, a 33% jump over ₹60 lakh, which was last year's maximum.

Microsoft was among the top recruiters in terms of number of offers. Other prominent recruiters across campuses on Day 1 included Amazon, Flipkart, Qualcomm India, Sprinklr, Texas Instruments, Uber, Oracle, Goldman Sachs, JPMorgan Chase & Co, SAP Labs and Bajaj Auto.

Date: 2nd December 2020

Media: Mint (clip attached)

Edition: Chennai / Hyderabad / Mumbai / New Delhi / Ahmedabad / Bangalore

Page No: 1,7

Journalist: Prashant K Nanda

Headline: IIT campus hirings off to a flying start

URL: <https://www.livemint.com/industry/human-resource/iits-start-a-robust-hiring-season-with-more-job-offers-negating-economic-downturn-11606835740244.html>

IIT campus hirings off to a flying start

Prashant K. Nanda

prashant.n@livemint.com

NEW DELHI

The Indian Institutes of Technology (IITs) on Tuesday began the final hiring season for their outgoing batches on a robust note, in one of the few bright spots in a shrinking economy, as companies hired more graduates and offered better pay packages than last year.

IIT Roorkee, IIT Guwahati, IIT Kharagpur and IIT Kanpur bagged between 69 and 130 offers each in the first half of the day. IIT Madras said it received 123 offers in the same period. This excludes pre-placement offers made to students prior to the final campus placement that began on Tuesday. By

Wednesday, more than 1,500 offers will be bagged by students of the older IITs, according to placement officials at the IITs.

“The placement process this year is robust despite the economic concerns, and the average salary offered this year to our students is higher than last year. Though the final numbers of Day One will be available by Wednesday as hiring continues till late in the evening, more than 100 students were already placed in the first half of the first day,” said Bhavesh Loungani, a placement coordinator at IIT Kanpur. “Companies such as Microsoft and Goldman Sachs have hired in double-digit numbers, and some estab-

TURN TO PAGE 7

IIT campus placements get off to a flying start

FROM PAGE 1

lished startups, as well as technology and financial firms, have made good offers too," said Loungani.

IIT Madras said Microsoft was the top recruiter with 19 offers, followed by Texas Instruments (12), with Bajaj Auto and the Indian Space Research Organisation making 10 offers each. "A total of 123 offers were made by 22 companies during day one's session 1.1, and this is higher than any of the preceding academic years. During the 2019-20 academic year, 102 offers were made by 20 companies at the end of session 1.1," the Chennai-based technology and engineering school said. IIT-Madras said as many as 24 companies, including Wipro Ltd and GE, are expected to hire its students till midnight Tuesday, with total hiring of more than 270 companies expected over the next week.

IIT Roorkee said it bagged 272 offers, including 153 pre-placement offers, in the first session of Day One, with the highest salary offer of ₹80 lakh per annum from domestic firms, up from ₹60 lakh last year.

IITs in Delhi and Mumbai also saw a good start to the placement process.

The overall placement scenario has not been affected so far in 2020 and the institution "hopes to see improvement in overall placement statistics", IIT Guwahati said, adding that it received 69 offers in the first session of the placement season, besides 133 pre-placement offers. "We expect an upward trend in placement this year," said IIT Guwahati director T.G. Sitharam.

Date: 2nd December 2020

Media: Careers360

Edition: Online

Journalist: NA

Student: Pranjal Jain

Headline: IIT placements begin; a large number of job offers despite pandemic

URL: <https://news.careers360.com/iit-placements-begin-large-number-of-job-offers-despite-pandemic>

Amid the coronavirus lockdown, Indian Institutes of Technology (IITs) across the country concluded the first day of the placement drive entirely in online mode on Tuesday.

IIT Roorkee, IIT Madras, IIT Bombay and IIT Kharagpur witnessed an increase in participation and job offers from various recruiters despite the economic slowdown caused by the pandemic.

Due to the lockdown, recruiters will not be visiting the campus and hiring processes like interview and group discussions are being conducted virtually.

IIT Roorkee placement drive

At IIT Roorkee, 272 job offers were made on the first day of online placement drive. The participating companies had made 153 pre-placement offers, or PPOs ahead of the placement drive. Last year, 139 PPOs were made.

Offers were made by companies like Microsoft, Goldman Sachs, Intel Technology, Oracle and e-commerce giants like Amazon and Flipkart. A total of 25 companies made offers on the first day of the placement drive.

The highest package for a job within the country saw a jump from Rs 60 lakh last year to Rs 80 lakh this year. Three students at the institute also managed to secure international offers.

IIT Madras placement drive

The placement process began also at IIT Madras, where 182 PPOs have already been made. At IIT Madras, 22 recruiters offered 123 jobs on the first day of the placement drive. Last year, the institute saw 102 offers made by 20 companies.

Companies like Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso, and Qualcomm offered jobs in the first session. 19 offers were made by the IT giant Microsoft followed by Texas Instruments which made 12 offers in the first session on Tuesday.

In the second session, 24 companies with 48 profiles are scheduled to participate. A total of 1,443 students and 256 recruiters have registered for the virtual placement drive. The phase one will conclude on December 8, 2020.

"The placement process, though conducted virtually for the first time, was very well organized. The placement team and companies were well prepared and have scheduled the interviews to avoid conflicts," said Pranjal Jain, undergraduate placement head, IIT Madras.

IIT Bombay placement drive

Around 18 companies participated on the first day of placement drive at IIT Bombay. So far, 153 pre-placement offers have been accepted by IIT Bombay students. A majority of offers in the virtual placement drive were made by companies like Microsoft, Google, Texas Instruments, Qualcomm, Boston Consulting Group, Apple, Bain and company.

Prominent hiring on the first day was done in IT and software, core engineering and consulting sectors. The highest domestic per annum package included offers from Qualcomm with Rs 46.41 lakh followed

by WorldQuant with Rs 39.70 lakh. Morgan and Stanley and Uber also made offers Rs 37.25 lakh and 35.38 lakh respectively.

IIT Kharagpur placement drive

More than 30 companies offered over 130 placements to the final-year students at IIT-Kharagpur on the first day.

Students had received as many as 272 pre-placement offers by companies like Barclay, Goldman Sachs, Honeywell, Microsoft, MasterCard, Dr. Reddy, Tata Steel. Each firm offered more than 10 PPOs. These were selected out of the 425 students who took eight-week online internships.

In the first phase, more than 200 companies will be offering jobs to over 2,100 registered job seeking students. A majority of the recruitment will be done in the core companies, software and consulting sectors. Companies like TSMC, Sony-Japan and Cohesity US were the top international recruiters at IIT-Kharagpur placement.

IIT Delhi placement drive

On the first day of the placement season, IIT Delhi students bagged over 300 placement in more than 500 job profiles including PPOs. Several students also managed to bag multiple placements this year.

So far, around 150 PPOs which includes International offers have been received. Students who are willing to set up their own start-up after graduation have been given the option of "deferred placement facility" through which placement services can be availed up to 2 years. 13 students have opted for deferred placements facility of the institute.

Considering the international travel restrictions, a majority of ob offers are for the domestic profiles. However, a few international recruiters have also registered. Top recruiters at IIT Delhi placement included Microsoft, Intel and Goldman Sachs.

The institute's internship hiring season also recorded many offers with over 350 internship offers since September 2020. This year international training offers were received from companies based in Hong Kong, South Korea and the US. The online placements at IIT Delhi will be conducted between December 2020 and May 2021.

Date: 2nd December 2020

Media: News Today (clip attached)

Edition: Chennai

Page No: 2

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Headline: IIT-M students' strong show in pre-placements

URL: <https://newstodaynet.com/index.php/2020/12/01/iit-m-students-strong-show-in-pre-placements/>

IIT-M students' strong show in pre-placements

| NT BUREAU |
Chennai, Dec 1:

The students of IIT Madras, have registered a strong show in pre-placement offers (PPO) this year, despite the impact of COVID-19 pandemic.

An IIT-M release here said, 'As many as 182 offers were made to students this academic year, as against 170 offers during 2019-20'.

A major factor behind this performance, is the strong internship programme of the institute.

The Internship Drive was conducted completely online this year, for the first time in the history of the Institute, to overcome the logistical restrictions due to the pandemic, the release said.

CS Shankar Ram, Advisor (Training and



Placement), said, 'The sustained increase in the number of Pre-Placement Offers this year is a clear reflection of the academic quality of IIT Madras and its students.

I am optimistic that we would be able to carry forward this momentum and our students would obtain the best possible job offers in Phase-1 placements'.

The phase one of campus placements is scheduled to begin today.

Date: 2nd December 2020

Media: The New Indian Express (clip attached)

Edition: Chennai

Page No: 2

Journalist: NA

Headline: 123 job offers in first placement of IIT-M

123 job offers in first placement of IIT-M

Chennai: Indian Institute of Technology Madras' campus placements were held online and a total of 123 offers were made by 22 companies during first day's session 1.1 on Tuesday. As many as 22 companies participated. ENS

Date: 2nd December 2020
Media: DT Next (clip attached)
Edition: Chennai
Page No: 2
Journalist: NA

Headline: 12 firms make 123 offers at IIT on Day 1

URL: <https://www.dtnext.in/News/City/2020/12/02034329/1264666/22-firms-make-123-offers-at-IIT-on-Day-1.vpf>

22 firms make 123 offers at IIT on Day 1

CHENNAI: Campus placements for 2020-21 at the Indian Institute of Technology, Madras, began on a high note as 123 offers were made by 22 companies on day one itself.

It was higher than any of the preceding academic years. In 2019-20, 102 offers were made by 20 companies at the end of session one.

A release from IIT-M said this year's big recruiters include Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso, and Qualcomm. Phase one of the placements is expected to continue till December 8.

Session one of Placements at IIT-M saw the participation of 22 companies covering 43 job profiles. In the second and final slot of the day

of day one placements, that was held between 4 pm and 11 pm on Tuesday, 24 companies with 48 profiles were scheduled to participate. These companies include TSMC, KLA Tencor, GE, and Wipro.

The top recruiters include Microsoft (19 offers), Texas Instruments (12 offers), Bajaj Auto (10 offers), ISRO (10 offers), Alphonso Inc (9 offers), and Qualcomm (8 offers).

A total of 1,443 students have registered for placements in the 2020-21 Academic Year, across different streams of study.

The total number of companies registered for Phase I of placements was 256. They will be recruiting for a total of 472 profiles. As many as 71 start-ups have registered for recruitment in the ongoing academic year 2020-21.

Date: 2nd December 2020

Media: Dina Thanthi (clip attached)

Edition: Chennai

Page No: 5

Journalist: NA

Headline: IIT Madras Placements First Session 123 Jobs Offered by 22 Companies

ஐ.ஐ.டி. வளாக நேர்காணல்:

முதல் அமர்வில் 22 நிறுவனங்கள் மூலம் 123 வேலைவாய்ப்புகள்

சென்னை, டி.செ.2-
சென்னை ஐ.ஐ.டி.யில் 2020-21-ம் கல்வியாண்டுக்கான வளாக நேர்காணல் நேற்று தொடங்கியது. இந்த நேர்காணலில் 256 நிறுவனங்கள் 472 வகை பணிகளுக்கான வேலைவாய்ப்புகளுக்கு பதிவு செய்திருக்கின்றன. இவற்றில் 71 நிறுவனங்கள் தொடக்கநிலையில் இருக்கும் நிறுவனங்களாகும். வேலைவாய்ப்புகளை தன்வசப்படுத்துவதற்காக இந்த ஆண்டு 1,443 மாணவ-மாணவிகள் பதிவு செய்துள்ளனர். நேற்று தொடங்கிய முதற்கட்ட வளாக நேர்காணல் வருகிற 8-ந்தேதி வரை நடைபெற இருக்கிறது.

முதற்கட்ட வளாக நேர்காணலின் முதல் அமர்வு நேற்று காலை 7 மணி முதல் பிற்பகல் 2 மணி வரை நடந்தது. இதில் 22 நிறுவனங்கள் 43 வகை பணிகளுக்கான வேலைவாய்ப்புகளுக்கு நேர்காணலை நடத்தியது. முதல் அமர்வு வளாக நேர்காணல் முடிவில் 22 நிறுவனங்களில் 123 வேலைவாய்ப்புகள் மாணவ-மாணவிகளுக்கு கிடைத்தன. இது கடந்த ஆண்டு கிடைத்த வேலைவாய்ப்புகளை (20 நிறுவனங்களில் 102 வேலைவாய்ப்புகள்) விட அதிகம். முதல் அமர்வில் அதிகபட்சமாக மைக்ரோசாப்ட் நிறுவனத்தில் 19 வாய்ப்புகளும், டெக்சாஸ் இன்ஸ்டிடியூட்டின் 12 வாய்ப்புகளும், பஜாஜ் ஆட்டோ, இஸ்ரோ தலா 10 வாய்ப்புகளும் வழங்கின.

தொடர்ந்து நேற்று மாலை 4 மணி முதல் இரவு 11 மணி வரை நடந்த 2-ம்கட்ட அமர்வில், 24 நிறுவனங்கள் 48 வகை பணிகளுக்கான வேலைவாய்ப்புகளுக்கு நேர்காணலை நடத்தியது.

Date: 2nd December 2020

Media: NDTV

Edition: Online

Journalist: J Sam Daniel Stalin

Professor: Prof. C. S. Shankar Ram

Headline: 123 Offers On Day 1: Record Start To IIT Madras Placements

URL: <https://www.ndtv.com/india-news/123-offers-on-day-1-iit-madras-placement-season-sets-off-with-a-record-2333093>

The placement season has begun at the Indian Institute of Technology (IIT) Madras with a record 123 offers made by 22 companies, including Microsoft, ISRO, and Texas Instruments, on day-1 and session 1 of recruitment.

While the institute has not provided details of the salary packages on offer, it said that during the last academic year of 2019-20, only 102 offers were made by 20 companies on day-1.

In the second slot of Day-1, which concluded last night, up to 24 companies with 48 profiles were scheduled to participate. These include TSMC, KLA Tencor, GE, and Wipro, according to a press release dated December 1 from IIT Madras

The process is being conducted completely online this time.

[@iitmadr](#)s campus placements for the Academic Year 2020-21 began by setting a new record. A total of 123 offers were made by 22 Companies during Day One's Session 1.1 (1st December 2020), highest in comparison to last year. pic.twitter.com/LIHwkmTF2j

— IIT Madras (@iitmadr) [December 1, 2020](#)

"The big recruiters of this year's first session include Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso, and Qualcomm. Phase I of placements is expected to continue till December 8, 2020," the release said.

Of the total number of offers made till now, Microsoft has topped with 19, followed by Texas Instruments (12) and Baja Auto and ISRO (10 each).

Date: 2nd December 2020

Media: The Indian Express

Edition: Online

Journalist: NA

Student: Dhruv Sriram

Headline: IIT-Madras gets highest ever day-1 job offers in virtual placement drive despite COVID

URL: <https://indianexpress.com/article/jobs/iit-madras-gets-highest-ever-day-1-job-offers-in-virtual-placement-drive-despite-covid-7075623/>

The Indian Institute of Technology (IIT) Madras campus placements for the 2020-21 academic year saw a rise in the number of offers as compared to last year. A total of 123 offers were made on the first day of the placement session today. The institute claims that this is higher than any of the preceding academic years. During the last academic year, a total of 102 offers were made by 20 companies at the end of day one.

This year, like many other institutes, the IIT-Madras has also held the placements online. Phase I of placements is expected to continue till December 8. On the first day, a total of 22 companies offered 43 job profiles. The big recruiters of this year's first session included Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso, and Qualcomm. In the second and final slot, 24 companies with 48 profiles are scheduled to participate. These companies include TSMC, KLA Tencor, GE, and Wipro. Most of the offers were made by Microsoft at 19 offers followed by Texas Instruments with 12 offers and Bajaj Auto, and ISRO with 10 offers each.

A total of 1,443 students have registered for placements in the 2020-21 academic year, across different streams of study. The total number of companies registered for phase I of placements is 256. They will be recruiting for a total of 472 profiles. As many as 71 start-ups have registered for recruitment in the ongoing academic year 2020-21.

Dhruv Sriram, a student from the Department of Aerospace Engineering who secured placement in McKinsey this year, said, "The Placement Session of 2020-21 at IIT Madras was definitely a challenging experience for students, organisers and companies alike. Three words that best describe this placement season for me would be Empathy, Technology, and Collaboration. Overall, a fantastic experience that would serve as a template for how placements may be conducted in the future across the country!"

Date: 2nd December 2020

Media: BW Education

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Student: Pranjal Jain, Dhruv Sriram

Headline: IIT Madras Placements: 123 Offers Made On Day One's First Session

URL: <http://bweducation.businessworld.in/article/IIT-Madras-Placements-123-Offers-Made-On-Day-One-s-First-Session/02-12-2020-349092/>

The Indian Institute of Technology (IIT) Madras campus placements for the 2020-21 academic year saw a rise in the number of offers as compared to last year. A total of 123 offers were made on the first day of the placement session today. The institute claims that this is higher than any of the preceding academic years. During the last academic year, a total of 102 offers were made by 20 companies at the end of day one.

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Date: 2nd December 2020

Media: The News Minute

Edition: Online

Journalist: NA

Headline: IIT-Madras graduates get 123 job offers in first session of day one of placements

URL: <https://www.thenewsminute.com/article/iit-madras-graduates-get-123-job-offers-first-session-day-one-placements-138810>

The Indian Institute of Technology (IIT) Madras campus placements for the 2020-21 academic year saw a rise in the number of offers as compared to last year. A total of 123 offers were made on the first day of the placement session today. The institute claims that this is higher than any of the preceding academic years. During the last academic year, a total of 102 offers were made by 20 companies at the end of day one.

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Date: 2nd December 2020

Media: Yahoo

Edition: Online

Journalist: NA

Headline: IIT-Madras graduates get 123 job offers in first session of day one of placements

URL: <https://in.news.yahoo.com/iit-madras-graduates-123-job-050656741.html>

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Date: 2nd December 2020

Media: Magzter

Edition: Online

Journalist: NA

Headline: IIT-Madras graduates get 123 job offers in first session of day one of placements

URL: <https://www.magzter.com/news/572/1581/122020/2mkef>

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Date: 2nd December 2020

Media: Tech Gig

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Headline: IIT Madras students register a rise in Pre-placement offers

URL: <https://content.techgig.com/iit-madras-students-register-a-rise-in-pre-placement-offers/articleshow/79527067.cms>

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Date: 2nd December 2020

Media: Jagran Josh

Edition: Online

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Headline: IIT Madras Placements First Session 123 Jobs Offered by 22 Companies

URL: <https://www.jagranjosh.com/news/iit-madras-placements-first-session-123-jobs-offered-by-22-companies-156826>

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Date: 2nd December 2020

Media: Shiksha

Edition: Online

Journalist: Anum Ansari

Professor: Prof. C. S. Shankar Ram

Student: Pranjali Jain

Headline: IIT Madras Placements 2020: 22 top companies made 123 Job Offers in first session

URL: <https://www.shiksha.com/articles/iit-madras-placements-2020-22-top-companies-made-123-job-offers-in-first-session-blogId-51055>

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Date: 2nd December 2020

Media: Trinity Mirror

Edition: Online

Journalist: NA

Headline: Jobs galore at IIT-Madras online placements

URL: <https://www.trinitymirror.net/news/jobs-galore-at-iit-madras-online-placements/>

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Date: 2nd December 2020

Media: Business Standard (clip attached)

Edition: Jaipur / Pune

Page No: 1,13

Journalist: Vinay Umarji

Headline: Optiver makes Rs 1.39 crore offer at IIT Bombay

URL: <http://clientportal.conceptbiu.com/mv/ad/6586-206450250-6586>

IIT PLACEMENTS

Optiver makes ₹1.39 crore offer at IIT Bombay

VINAY UMARJI

Ahmedabad, 1 December

Dutch firm Optiver has made the highest international offer of ₹1.57 lakh (₹1.39 crore) per annum at the Indian Institute of Technology (IIT) Bombay as the premier institutes kicked off their final placements process on Tuesday.

Apart from Optiver, IIT Bombay saw highest domestic salaries being offered on the first day of placements by Qualcomm (₹46.41 lakh/annum), WorldQuant (₹39.70 lakh/annum), Morgan Stanley (₹37.25 lakh/annum) and Uber (₹35.38 lakhs/annum).

In terms of number of offers, Microsoft, Google, Texas Instruments, Qualcomm, Boston Consulting Group and Apple were among the top recruiters across some of the major IITs, including Bombay and Madras.

Participating in the first session of Day One, Microsoft extended 19 offers, followed by Texas Instruments (12), Bajaj Auto (10), ISRO (10), Alphonso Inc (9) and Qualcomm (8) at IIT Madras. While the IITs are mum on the international salary packages offered this year, sources said that the likes of



Microsoft and Cohesity, too, have offered crore-plus salaries to some of the students. The second session was still on till the time of going to print on Tuesday night.

By the first session itself, IIT Madras saw a 20 per cent jump in the total number of offers—123 in all—extended by 22 recruiters this year. Last year, the number was 102. On the first day, a total of 46

THE OFFERS

- Qualcomm offers highest domestic salary of ₹46.41 lakh/annum at IIT Bombay
- IIT Roorkee sees 33.3% jump in highest domestic salary in first session
- Microsoft emerges top recruiter with 19 offers at IIT Madras
- First day first session sees 20% YoY jump in offers at IIT Madras
- Pre-placement offers at IIT Madras at five-year high at 182

recruiters lined up with 91 job profiles.

At IIT Roorkee, the first slot till Tuesday afternoon saw 25 companies make 119 offers, with the highest domestic salary rising by 33.3 per cent to ₹80 lakh—up from ₹60 lakh last year.

IIT Roorkee also saw three international offers though the salary details were not disclosed for those. This year, IIT Roorkee

also saw a 10 per cent increase in pre-placement offers (PPO) at 153 as compared to 139 last year. Including PPOs, total offers in the first two slots till Tuesday afternoon stood at 272. Marquee recruiters from IT, consulting, automobile and core domains extended offers. Among them were Amazon, Cohesity, Microsoft, Oracle, Qualcomm, Flipkart, Goldman Sachs, Intel, Jaguar Land Rover, JPMorgan Chase, SAP Labs, Texas Instruments, Uber and Vedanta Limited (Cairn Oil & Gas), besides others.

IIT Guwahati, meanwhile, attracted 69 offers by first session of Day One with marquee recruiters like Google, Microsoft, Goldman Sachs, Qualcomm, Texas Instruments, Adobe, Quadbyte, Oracle, Walmart, Bajaj, American Express, Uber, Accenture Japan, and MTX, among others participating in the recruitment drive.

Job offers in profiles such as software development engineer, member technical staff, hardware, machine learning, data science, business analyst, quant, core engineering (automobile), analyst, product designer, and graphic designer, among others, were made at IIT Guwahati.

Turn to Page 17

Optiver...

Placements were still in progress for the day. A total of 1,443 students have registered for placements in the 2020-21 academic year at IIT Madras with 256 companies registering for first phase of placements. The registered companies have committed to recruit 472 profiles. As many as 71 start-ups have also registered for recruitment in the ongoing academic year 2020-21. Before the final placements process began on Tuesday, several IITs also attracted pre-placement offers (PPOs) from recruiters after successful stint by their students during summer internships. This year, while IIT Bombay has so far seen 153 PPOs being accepted by students, which is higher than last year, IIT Guwahati saw 133 students bagging PPOs.

More on business-standard.com

आईआईटी में प्लेसमेंट के पहले दिन अच्छी शुरुआत

■ विस, नई दिल्ली : इंडियन इंस्टिट्यूट ऑफ टेक्नोलॉजी (आईआईटी) दिल्ली में प्लेसमेंट सीजन शुरू हो चुका है। मंगलवार को इंस्टिट्यूट ने प्लेसमेंट इंटरव्यू की शुरुआत की। आईआईटी दिल्ली का कहना है कि पहले दिन अच्छा रिस्पॉन्स मिला है। हालांकि, कितने स्टूडेंट्स को ऑफर मिला यह जानकारी अभी इंस्टिट्यूट ने नहीं दी है। अब तक आईआईटी दिल्ली के प्लेसमेंट सीजन के लिए 500 से ज्यादा कंपनियों ने रजिस्टर किया है, यह पिछले साल के मुकाबले ज्यादा है। इस साल की लॉकडाउन के दौरान और अभी कंपनियों का रजिस्ट्रेशन देखते हुए इंस्टिट्यूट का मानना है कि कोविड-19 का नेगेटिव असर प्लेसमेंट पर नहीं पड़ेगा। इंटरनैशनल कंपनियों ने भी प्लेसमेंट ड्राइव के लिए रजिस्टर किया है।

आईआईटी दिल्ली का यह प्लेसमेंट सीजन वर्चुअल हो रहा है। यह ड्राइव अंडरग्रेजुएट और पोस्टग्रेजुएट दोनों ही स्टूडेंट्स के लिए होगी। स्टूडेंट्स घर से ही इस ड्राइव में शामिल हो रहे हैं। आईआईटी दिल्ली की करियर सर्विसेज ऑफिस की हेड अनिश्वा मदान कहती हैं, 'अब तक 500 से ज्यादा कंपनियां रजिस्ट्रेशन कर चुकी हैं। यह कंपनियां सभी सेक्टर से हैं। कुछ कंपनियां इंटरनैशनल हैं और पिछले साल की तरह ही इनकी संख्या है। कोविड-19 का असर नजर नहीं आया है। पहला दिन अच्छा रहा है, कई स्टूडेंट्स के ऑनलाइन

इंटरनैशनल कंपनियां भी शामिल, 500 से ज्यादा कंपनियों ने रजिस्टर किया



इंटरव्यू हुए हैं। वर्चुअल इंटरव्यू में कोई मुश्किल नहीं आ रही है। इससे पहले हमने इंटरनैशिप ड्राइव के लिए भी यही प्लैटफॉर्म रखा था।' प्लेसमेंट कितनी हुई, इस पर उन्होंने कहा कि यह जानकारी पहला दिन खत्म होने के बाद ही मिल पाएगी।

सभी IIT में शुरुआत : देशभर के सभी आईआईटी में 1 दिसंबर से प्लेसमेंट ड्राइव शुरू हो गई है। बाकी आईआईटी के पहले दिन की प्लेसमेंट रिजल्ट से पता चला है कि कोविड का असर नहीं देखा जा रहा है। आईआईटी रुड़की में पहले दिन पहले सेशन में 272 जॉब ऑफर हुए। इनमें से 153 जॉब प्री प्लेसमेंट ऑफर हैं। सबसे ज्यादा पैकेज 80 लाख रुपये का है। तीन स्टूडेंट्स को इंटरनैशनल ऑफर भी मिले। आईआईटी मद्रास में पहले दिन के एक सेशन 123 स्टूडेंट्स को जॉब ऑफर हुए। इसमें 19 ऑफर माइक्रोसॉफ्ट से हैं।

कोट्यवधींच्या पॅकेजेससह आयआयटीत प्लेसमेंट सुरू

मुंबई : पुढारी वृत्तसेवा

आयआयटी मुंबईत प्रो प्लेसमेंट ऑफर्स स्वीकारणाऱ्या विद्यार्थ्यांचे प्रमाण गेल्यावर्षाच्या तुलनेत जास्त आहे. मुंबई बरोबर देशभरातील आयआयटीमध्ये सोमवारपासून ऑनलाइन प्लेसमेंट सुरू झाल्या आहेत. कोरोनाच्या पार्श्वभूमीवर यंदा प्लेसमेंटवर परिणाम होईल असा अंदाज व्यक्त करण्यात येत होता. मात्र तरीही खूप चांगला प्रतिसाद आहे.

आयआयटी मुंबईत पहिल्या दिवशीच्या पहिल्या सत्रात १८ कंपन्या सहभागी झाल्या होत्या. यात मायक्रोसॉफ्ट, गुगल, टेक्सास इन्स्ट्रुमेंट्स, क्वालकॉम, ब्रोस्टन कन्सल्टिंग ग्रुप, अॅपल आदी कंपन्या सहभागी झाल्या होत्या. तर पहिल्या सत्रात ऑप्टिव्हर या कंपनीने आंतरराष्ट्रीय ऑफर देऊ केली आहे.



तर यंदा १५३ विद्यार्थ्यांनी प्लेसमेंटपूर्व ऑफर्स स्वीकारल्या आहेत, असे संस्थेने स्पष्ट केले. सर्वाधिक नोकऱ्या या आयटी, सॉफ्टवेअर, कोअर इंजिनीअरिंग आणि कन्सल्टिंग या क्षेत्रात मिळाल्याचे आयआयटी मुंबईने स्पष्ट केले आहे. क्वालकॉम या कंपनीने ४६.४१ लाखांचे, वर्ल्डक्राफ्ट कंपनीने ३९.७० लाख,

मॉर्गन स्टॅन्ली या कंपनीने ३७.२५ लाख तर उबरने ३५.३८ लाख इतके वार्षिक पॅकेज देऊ केले आहेत.

आयआयटी मद्रासमध्ये पहिल्या दिवशीच्या पहिल्या सत्रात १२३ विद्यार्थ्यांना ऑफर्स मिळाल्या आहेत. यामध्ये मायक्रोसॉफ्ट, बजाज ऑटो, इन्फो या कंपन्यांचा समावेश होता. येथे मायक्रोसॉफ्टने सर्वाधिक १९ तर इन्फोने १० ऑफर्स दिल्या आहेत. आयआयटी मद्रासमध्ये यंदा सुमारे २५६ कंपन्यांनी नोंदणी केली असून यात ७१ स्टार्टअप्सचा समावेश आहे. तर यंदा ऑप्टिव्हर या कंपनीने तब्बल एक कोटी ४० लाखांचे पॅकेज देऊ केले आहे. तर आयआयटी मद्रास, आयआयटी मंडी येथेही मोठ्या प्रमाणावर विद्यार्थ्यांना नोकऱ्या मिळाल्या आहेत.

Date: 2nd December 2020

Media: Hindustan Times

Edition: Online

Journalist: Smriti Sinha

Student: Pranjal Jain

Headline: IIT Madras placements begin on high note, 123 offers made on Day 1

URL: <https://www.hindustantimes.com/education/iit-madras-placements-begin-on-high-note-123-offers-made-on-day-1/story-SrleSvByTkLueK4QChIvdL.html>

Indian Institute of Technology Madras (IIT Madras) on Tuesday claimed its campus placements for the 2020-21 academic year set a new record with a total of 123 offers were made by 22 companies on Day 1.

While the process was completely online, it has registered more placements than any of the preceding academic years. During the last academic year of 2019-20, 102 offers were made by 20 companies at the end of session, it said.

The big recruiters of this year's first session include Microsoft with 19 offers, Texas Instruments with 12, and Bajaj Auto and ISRO with 10 each. Phase I of placements is expected to continue till December 8, 2020. Session 1.1 of placements began at 7am and concluded at 2pm on December 1. It saw the participation of 22 companies covering 43 job profiles.

A total of 1,443 students have registered for placements across different streams. The total number of companies registered for phase 1 is 256. They will be recruiting for a total of 472 profiles. As many as 71 startups have also registered for recruitment.

Sharing his experience with the online placement process this year, Mr. Pranjal Jain, institute's under graduate placement head, said, "The placement process, though conducted virtually for the first time, was very well organised. The placement team and companies were well prepared."

Similarly, IIT Guwahati also claimed a decent opening of the placement season. The process there began on December 1 in a completely virtual mode. Companies such as Google, Microsoft, Goldman Sachs, Qualcomm, Texas Instruments, Adobe, Quadaye, Oracle, Walmart, Bajaj, American Express, Uber, Accenture Japan, and MTX took part in the first day of the placement drive.

Job offers have been already been made in profiles such as software development engineer, technical staff, hardware, machine learning, data science, business analyst, and graphic designer. So far, 69 offers have been made and placements are on, the institute said.

Date: 2nd December 2020

Media: Hindustan Times

Edition: Online

Journalist: Akhilesh Nagari

Headline: IITs beat pandemic blues in placement drives with record job offers, high salary packages

URL: <https://www.hindustantimes.com/education/iits-beat-pandemic-blues-in-placement-drives-with-record-job-offers-high-salary-packages/story-cAcupLIZRpWjq1THSzOyEM.html>

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Date: 2nd December 2020

Media: The Times of India

Edition: Online

Journalist: NA

Headline: On first day, IIT-Kanpur sees 226 offers

URL: <https://timesofindia.indiatimes.com/home/education/news/on-first-day-iit-kanpur-sees-226-offers/articleshow/79523183.cms>

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Date: 2nd December 2020

Media: The Indian Express

Edition: Online

Journalist: NA

Headline: IITs beat pandemic blues in placement drives with record job offers, high salary packages

URL: <https://www.newindianexpress.com/nation/2020/dec/02/iits-beat-pandemic-blues-in-placement-drives-with-record-job-offers-high-salary-packages-2230998.html>

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Date: 2nd December 2020

Media: The Print

Edition: Online

Journalist: Kritika Sharma

Headline: What slowdown? IIT placement drive kicks off with more job offers, fatter salaries over 2019

URL: <https://theprint.in/india/education/what-slowdown-iit-placement-drive-kicks-off-with-more-job-offers-fatter-salaries-over-2019/556037/>

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Date: 2nd December 2020

Media: The Telegraph

Edition: Online

Journalist: NA

Headline: No slowdown for IITians

URL: <https://www.telegraphindia.com/india/no-slowdown-for-iitians/cid/1799311>

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Date: 2nd December 2020

Media: Navbharat Times

Edition: Online

Journalist: Dil Prakash

Headline: आईआईटी में पहला प्लेसमेंट, एनुअल सैलरी पैकेज 1.48 करोड़ रुपये (First Placement in IIT, Annual Salary Package Rs 1.48 Crore)

URL: <https://navbharattimes.indiatimes.com/business/business-news/day-1-of-iit-placements-bring-in-fat-salary-offers/articleshow/79525524.cms>

देश के प्रतिष्ठित आईआईटी (IIT) कॉलेजों में फाइनल प्लेसमेंट की प्रोसेस शुरू हो चुकी है। देश की इकॉनमी कोविड-19 महामारी से त्रस्त है लेकिन इसके बावजूद देश की टॉप इंजीनियरिंग प्रतिभाओं को मोटी सैलरी ऑफर की जा रही है। पहली बार आईआईटी कॉलेजों की फाइनल प्लेसमेंट की प्रक्रिया पूरी तरह ऑनलाइन है। हालांकि इस बार इंटरनेशनल ऑफर्स में कमी देखी जा रही है। Cohesity अमेरिका में नौकरी के लिए सालाना 2 लाख डॉलर (1.48 करोड़ रुपये) का सबसे बड़ा ऑफर दे रही है। आईआईटी मुंबई में ट्रेडिंग फर्म Optiver ने 1.39 करोड़ रुपये का सबसे बड़ा इंटरनेशनल ऑफर दिया है।

विभिन्न कंपस प्लेसमेंट सेल्स का कहना है कि फाइनल प्लेसमेंट के पहले दिन कई कंपनियों ने युवा इंजीनियरों को मोटी सैलरी ऑफर की। इनमें बी2बी SaaS स्टार्टअप Ally.io भी शामिल है जिसने 1.39 करोड़ रुपये का इंटरनेशनल ऑफर दिया है। क्वांटिटेटिव ट्रेडिंग फर्म Graviton और प्रोप्राइटरी ट्रेडिंग फर्म Quantbox 80 लाख रुपये की सैलरी ऑफर कर रही हैं जबकि ग्लोबल क्लाउड इंप्लिमेंटेशन पार्टनर MTX Group 70 लाख सैलरी दे रही है।

किसने दिया कितना ऑफर

MTX Group की चीफ पीपल ऑफिसर अंकिता सिन्हा ने कहा, MTX पूरी दुनिया में युवा प्रतिभाओं की पहचान करने और उन्हें निखारने में विश्वास करती है। हमने आईआईटी दिल्ली, बॉम्बे, मद्रास, बीएचयू, कानपुर, रुड़की, खड़गपुर और गुवाहाटी के साथ हाथ मिलाया है। हमारी 45-50 छात्रों का चयन करने की योजना है।

प्रोप्राइटरी ट्रेडिंग फर्म Quadeye का पैकेज 58 लाख रुपये का था। Qualcomm ने आईआईटी बॉम्बे में 46.41 लाख रुपये का ऑफर दिया जबकि World-Quant का ऑफर 39.7 लाख रुपये का था। Ally.io, Quadeye और Quantbox ने ईमेल का जवाब नहीं दिया। महामारी के कारण इस बार हाइरिंग नंबर्स कम रहने की आशंका जताई जा रही थी। इसके बावजूद आईआईटी मद्रास में पहले दिन के पहले सत्र में रेकॉर्ड 123 ऑफर दिए गए। एक साल पहले यह संख्या 102 थी।

किन कंपनियों ने दिया ऑफर

आईआईटी रुड़की में सबसे अधिक डोमेस्टिक ऑफर 80 लाख रुपये का था जो पिछले साल के मुकाबले 33 फीसदी अधिक है। पिछले साल संस्थान के छात्र को अधिकतम 60 लाख रुपये का ऑफर दिया गया था। पहले दिन नंबर ऑफ ऑफर्स के मामले में माइक्रोसॉफ्ट पहले नंबर पर रही। इसके अलावा ऐमजॉन, फिलपकार्ट, क्वालकॉम इंडिया, Sprinklr, Texax Instruments, Uber, Oracle, Goldman Sachs, JPMorgan Chase & Co, SAP Labs और बजाज ऑटो ने भी पहले दिन कई युवा इंजीनियरों को ऑफर दिया।

Date: 2nd December 2020

Media: Outlook

Edition: Online

Journalist: NA

Headline: IITs Beat Pandemic Blues: Record Job Offers, High Salary Packages In Placement Drives

URL: <https://www.outlookindia.com/website/story/india-news-iits-beat-pandemic-blues-record-job-offers-high-salary-packages-in-placement-drives/366043>

Indian Institutes of Technology (IITs) across the country have kicked off their placement drives with record job offers and high salary packages, beating Covid-19 pandemic blues.

IIT-Delhi students bagged over 300 placement offers, including pre-placement offers (PPOs), by the end of the first day of the first phase of the placement season.

"Given the situation this year, a new company scheduling paradigm has been conceptualised for a smooth placement process. This is to create an optimum environment for both the recruiters and the students for a seamless selection process. Given the fact that all selection processes are being conducted in a virtual mode this year, the entire interview process would span a single day instead of multiple shifts unlike past years and many other campuses," an IIT-Delhi official said.

"What this translates into is that the spread of companies will be more across days. This process will give ample time to recruiters to make selection judgements to facilitate the right fitment both for students and recruiting organisations," the official added.

With a record high in pre-placement offers, many students have already bagged offers as high as Rs 1.54 crore from international companies.

The packages for domestic companies have also seen a sharp rise to about Rs 80 lakh this year for all top IITs, including IIT-Madras, Bombay, Roorkee and Guwahati.

In IIT-BHU, 217 students have bagged jobs with annual CTC ranging from Rs 11.5 lakh to 64.27 lakh. Last year, it was Rs 10 lakh to Rs 58.21 lakh.

In IIT-Madras, a total of 123 offers were made by 222 companies during day one's session, higher in any of the preceding years.

"The year 2020 has seen the placement process happening online and the number of recruiters joining the virtual placement has been very encouraging despite the pandemic and we are thankful to all the recruiters. The students of IIT-Guwahati who are appearing for the placement from across the country are very determined and are likely to benefit from this online process due the equal opportunity provided to them as other institutes and we expect an upward trend in placement this year at IIT-Guwahati," TG Shriram, Director, IIT-Guwahati.

At IIT-Bombay, there were 18 companies who participated in the placement drive on December 1. According to a statement from the institute, for domestic jobs, the highest number of offers came from Microsoft, Google, Texas Instruments, Qualcomm, Boston Consulting Group, and Apple. Amsterdam-based proprietary trading firm Optiver, meanwhile, made lucrative international offers.

Date: 2nd December 2020

Media: Tech Gig

Edition: Online

Journalist: NA

Headline: IITs report fat salary offers during placement season 2020

URL: <https://content.techgig.com/iits-report-fat-salary-offers-during-placement-season-2020/articleshow/79527344.cms>

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Date: 2nd December 2020

Media: News Byte

Edition: Online

Journalist: Ramya Patelkhana

Headline: IIT placements: Offers as high as Rs. 1.5cr on Day-1

URL: <https://www.newsbytesapp.com/news/india/all-about-the-final-2020-21-iit-placement-session/story>

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Date: 2nd December 2020

Media: Yahoo- Style

Edition: Online

Journalist: NA

Headline: IIT placements: Offers as high as Rs. 1.5cr on Day-1

URL: <https://in.style.yahoo.com/iit-placements-offers-high-rs-072042013.html>

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Date: 2nd December 2020

Media: Business Today

Edition: Online

Journalist: NA

Headline: Fat salary offers on day 1 of IIT placements; Cohesity, Optiver top paymasters

URL: <https://www.businesstoday.in/sectors/jobs/fat-salary-offers-on-day-1-of-iit-placements-cohesity-optiver-top-paymasters/story/423608.html>

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Date: 2nd December 2020

Media: Hindustan

Edition: Online

Journalist: NA

Headline: अमेरिकी आईटी कंपनी ने आईआईटी छात्र को दिया 1.5 करोड़ रुपये का सैलरी पैकेज (American IT company gives salary package of Rs 1.5 crore to IIT student)

URL: <https://www.livehindustan.com/career/story-iit-campus-placement-us-it-giant-offers-rs-1-crore-50-lakh-salary-job-package-offer-at-iit-placements-3661118.html>

कोरोना काल और आर्थिक मंदी के बावजूद प्रमुख आईआईटी संस्थानों में शानदार कैंपस प्लेसमेंट हो रहा है। घरेलू और विदेशी कंपनियां छात्रों को मोटे पैकेज पर जॉब ऑफर कर रही हैं। अमेरिका की दिग्गज आईटी कंपनी कोहेसिटी ने एक आईआईटी छात्र को सर्वाधिक 20 हजार यूएस डॉलर (करीब 1.5 करोड़ रुपये) का जॉब ऑफर किया है। नीदरलैंड की ट्रेडिंग कंपनी ऑप्टीवर ने भी छात्रों को एम्सटरडम और सिडनी में जॉब के लिए 157000 यूरो (करीब 1.4 करोड़) का सैलरी पैकेज दिया है। टाइम्स ऑफ इंडिया की खबर के मुताबिक ऑप्टीवर ने आईआईटी बॉम्बे के सात छात्रों को एम्सटरडम और सिडनी में ट्रेडिंग, सॉफ्टवेयर और क्वांट रिसर्च से जुड़े कार्य में जॉब दी है। एक छात्र ने कहा कि आईआईटी बॉम्बे कैंपस प्लेसमेंट के सेकेंड स्लॉट में ऑप्टीवर और इंटरव्यू लेने वाली है।

कोहेसिटी ने सर्वाधिक पैकेज के साथ सेकेंड स्लॉट में एक स्टूडेंट को अमेरिका में जॉब के लिए शॉर्टलिस्ट किया है। फाइनल ऑफर की पुष्टि नहीं हो पाई है।

घरेलू नियोक्ता क्वालकॉम ने आईआईटी बॉम्बे से 11 और आईआईटी मद्रास से 8 विद्यार्थियों को कैंपस प्लेसमेंट में चुना है। टेलीकॉम कंपनी का सर्वाधिक पैकेज 46.4 लाख रुपये का रहा है। वर्ल्डक्वांट ने 39.7 लाख, मॉर्गन स्टेनली ने 37.2 लाख, उबर ने 35.3 लाख रुपये का पैकेज दिया है। आईआईटी बॉम्बे के पहले सेशन में करीब 18 कंपनियां पहुंचीं जिसमें माइक्रोसॉफ्ट, गूगल, टेक्सास इंस्ट्रूमेंट, क्वालकॉम, बॉस्टन कंसल्टिंग ग्रुप, ऐप्पल व बेन एंड कंपनी सर्वाधिक ऑफर दिए हैं। संस्थान के 2021 में ग्रेजुएट होने जा रहे स्टूडेंट्स को 153 प्री प्लेसमेंट ऑफर दिए गए हैं।

अगर आईआईटी कानपुर की बात करें तो यहां कोहेसिटी, गूगल, माइक्रोसॉफ्ट, क्वांटबॉक्स, ग्रेविटन ट्रेडिंग ने भारी पैकेज पर छात्रों को जॉब ऑफर की है। आईआईटी कानपुर के तीन स्टूडेंट्स को ग्रेविटन ट्रेडिंग कंपनी ने 82-82 लाख का पैकेज दिया है। क्वांटबॉक्स ने एक छात्र को 80 लाख रुपये का ऑफर दिया है। कोहेसिटी ने एक छात्र को अमेरिका में जॉब दी है। ऐप्पल और कोहेसिटी ने 60 लाख रुपये का ऑफर भारत में नौकरी के लिए दिया है। इसके अलावा गूगल और माइक्रोसॉफ्ट ने भी भारत में जॉब के लिए संस्थानों के छात्रों को आकर्षक पैकेज दिए हैं।

मंदी को धता बताते हुए आईआईटी मद्रास में प्लेसमेंट सेशन 1.1 के पहले दिन ही 22 कंपनियों ने रिकॉर्ड 123 जॉब ऑफर दिए। माइक्रोसॉफ्ट, टेक्सास इंस्ट्रूमेंट्स, बजाज ऑटो, इसरो, अल्फांसो इंक शीर्ष नियोक्ता रहे।

आईआईटी खड़गपुर में 425 इंटरनेशनल 276 प्री प्लेसमेंट ऑफर में तब्दील हो गई। आईआईटी रुड़की के पहले स्लॉट में ही तीन इंटरनेशनल ऑफर दिए जा चुके हैं। पिछले साल जहां यहां 60 लाख रुपये का पैकेज सर्वाधिक रहा था, वहां इस बार 80 लाख का पैकेज ऑफर हो चुका है।

Date: 2nd December 2020

Media: The Economic Times- HR World

Edition: Online

Journalist: Yogita Rao&Hemali Chhapiya

Headline: Top domestic job offers at IITs rise 30% to Rs 80 lakh

URL: <https://hr.economictimes.indiatimes.com/news/workplace-4-0/recruitment/top-domestic-job-offers-at-iits-rise-30-to-rs-80-lakh/79525134>

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Date: 2nd December 2020

Media: Shiksha

Edition: Online

Journalist: Anum Ansari

Headline: IIT Roorkee Placements 2020: 272 Job offers made, highest package until now is Rs 80 Lakh

URL: <https://www.shiksha.com/articles/iit-roorkee-placements-2020-272-job-offers-made-highest-package-until-now-is-rs-80-lakh-blogId-51065>

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Date: 2nd December 2020

Media: Data Quest

Edition: Online

Journalist: NA

Professor: Prof. N.V. Ravi Kumar

Headline: IIT Madras Placements: List of Companies that Made Highest Number of Pre-placement Offers to Students

URL: <https://www.dqindia.com/iit-madras-placements-list-companies-made-highest-number-pre-placement-offers-students/>

IIT Madras has announced that the pre-placement offers (PPO) for its students have witnessed a rise this year, when compared to last year despite the pandemic situation. The Indian Institute of Madras has attributed this rise in offers to its internship programme, which was conducted completely online this year for the first time in its history to overcome restrictions on account of the COVID-19 pandemic. This year, IIT Madras students have reportedly received 182 pre-placement offers when compared to the 170 offers last year. The first phase of the campus placements has commenced from 1 December 2020. The institute added that the internships, facilitated through an institute- coordinated process, enabled students to intern with companies that are large recruiters, which resulted in an increase in PPOs due to the excellent performance of students during the internships.

Companies that Offered Highest Offers to IIT Madras Students

IIT Madras says that the following companies provided its students the highest PPOs

- Texas Instruments made 12 offers
- Microsoft made 12 offers
- Qualcomm made 10 offers
- Goldman Sachs made 9 offers, and
- American Express made 9 offers

The major sectors that offered PPOs during 2020-21 are as follows:

Core and R&D: 29 percent

Analytics, Consulting and Finance: 19 percent

FMCG (Fast-Moving Consumer Goods): 6 percent

Information Technology: 46 percent

Prof NV Ravi Kumar, advisor (Internships), IIT Madras, said: "We have been observing a direct correlation between internships and Pre-Placement Offers ever since the internship office was created. Internships provide an excellent opportunity for students to understand the working culture and expectations of the companies that they work for and for the companies to realize the potential of our students during that short period. When interests and expectations of interns and companies match, it culminates in Pre-Placements offers."

कोरोना महामारी के बावजूद आईआईटी में बरसीं नौकरियां

ब्यूरो/एजेंसी

नई दिल्ली। कोरोना महामारी के दौर में जहां लोगों की नौकरियों पर खतरा मंडरा रहा है और नई नियुक्तियां प्रभावित हुई हैं, वहीं आईआईटी में नौकरियां बरस रही हैं। सभी आईआईटी ने देश भर में प्लेसमेंट अभियान चलाया हुआ है, जिसमें कंपनियों ने छात्रों को उच्च वेतन पैकेज के साथ रिकॉर्ड नौकरियों की पेशकश की है। आईआईटी दिल्ली के 300 से ज्यादा छात्रों को प्लेसमेंट मिली है। कई छात्रों को बहुराष्ट्रीय कंपनियों में 1.54 करोड़ रुपये तक के पैकेज मिले हैं।

आईआईटी दिल्ली के अधिकारियों ने बताया कि प्लेसमेंट सीजन के पहले चरण के पहले ही दिन छात्रों को नौकरी के प्रस्ताव मिले हैं। उन्होंने बताया कि इस साल की स्थिति को देखते हुए सुगम प्लेसमेंट प्रक्रिया के लिए एक नई कंपनी के जरिये इसे पूरा करने का संकल्प लिया गया है। इससे नियोक्ताओं और नौकरी के इच्छुक उम्मीदवारों के चयन के लिए एक उपयुक्त वातावरण मिलेगा। उन्होंने बताया कि कोरोना के हालात को देखते हुए इस वर्ष पूरी तरह वर्चुअल मोड पर चयन प्रक्रिया पूरी की जा रही है। पिछले सालों की अपेक्षा इस वर्ष साक्षात्कार एक ही



दिल्ली आईआईटी के 300 छात्रों को मिलीं शानदार पैकेज पर नियुक्तियां

आईआईटी बीएचयू के 217 छात्रों का चयन

आईआईटी मद्रास, बॉम्बे, रुड़की सहित सभी शीर्ष संस्थानों के छात्रों को इस साल 80 लाख तक के पैकेज मिले हैं। आईआईटी बीएचयू के 217 छात्रों का चयन हुआ है। इन छात्रों को 11.5 लाख से 64.27 लाख रुपये तक का सालाना पैकेज मिला है। पिछले यह यह 10 लाख से 58.21 लाख तक था। वहीं आईआईटी मद्रास के 123 छात्रों को पहले ही दिन 222 कंपनियों ने नौकरी का प्रस्ताव दिया।

दिन में पूरे किए जा रहे हैं। उन्होंने कहा कि छात्रों को अंतरराष्ट्रीय कंपनियों में 1.54 करोड़ रुपये तक के पैकेज मिले हैं, वहीं घरेलू कंपनियों में वेतन पैकेज में तेज उछाल देखने को मिला है।

कम समय में हो रहे ज्यादा साक्षात्कार

उन्होंने कहा कि वर्चुअल तरीके से नियोक्ताओं को छात्रों के चयन के लिए पर्याप्त समय मिल सकेगा। जबकि पिछले साल तक कई शिफ्टों और विभिन्न कैम्पसों में जाकर चयन प्रक्रिया पूरी करनी पड़ती थी और उसमें काफी समय लगता था। आईआईटी बॉम्बे में पहली दिसंबर को 18 कंपनियों ने प्लेसमेंट में हिस्सा लिया। संस्थान के बयान में कहा गया है कि घरेलू नौकरियों में सबसे ज्यादा नौकरियों के प्रस्ताव माइक्रोसॉफ्ट, गूगल, टेक्सास इंस्ट्रूमेंट, क्वालकॉम और एपल आदि से मिले हैं।

Date: 2nd December 2020

Media: Aaj Samaj (clip attached)

Edition: Chandigarh / New Delhi

Page No: 11

Journalist: NA

Student: Guhan Narayanan, Rishbha Jain, Mukund Khandelwal

Headline: IIT Madras becomes the winner of Samsung program

सैमसंग प्रोग्राम का विजेता बना आईआईटी मद्रास

चंडीगढ़। भारत के सबसे बड़े और सबसे भरोसेमंद उपभोक्ता इलेक्ट्रॉनिक्स ब्रांड सैमसंग ने पूरे भारत के 20 शीर्ष संस्थानों से 5,200 से अधिक प्रतिभाशाली छात्रों ने भागीदारी के साथ अपने राष्ट्रीय कैम्पस प्रोग्राम सैमसंग ई.डी.जी.ई. के समापन की घोषणा की। आईआईटी मद्रास की टीम दि सीक्रेट सोसाइटी, जिसमें गुहान नारायणन, मुकुंद खंडेलवाल और ऋषभ जैन शामिल हैं, ने फाइनल राउंड में कोरोना के बाद न्यू नॉर्मल में संभावित ग्राहकों तक संपर्क-रहित तरीके से पहुंचने के लिए उपभोक्ता-केंद्रित, इनोवेशन समाधान पेश कर जीत हासिल की। एफएमएस दिल्ली की टीम प्रावेगा दूसरे स्थान पर और एक्सएलआरआई जमेशदपुर की टीम माफिया तीसरे स्थान पर रही। इस साल, दो महीने तक चले प्रोग्राम के सभी राउंड वर्चुअल तरीके से आयोजित किए गए ताकि छात्रों और सभी सैमसंग कर्मचारियों के लिए सुरक्षा को सुनिश्चित किया जा सके। तीन माह की इस प्रतियोगिता में बी.टेक, मास्टर्स ऑफ बिजनेस एडमिनिस्ट्रेशन और मास्टर्स इन डिजाइन जैसे विविध डोमेन के छात्रों को प्रतिभागिता के लिए आमंत्रित किया गया था। वर्चुअल कार्यक्रम में केन कांग, प्रेसिडेंट और सीईओ, सैमसंग एसडब्ल्यूए और सैमसंग इंडिया के अन्य वरिष्ठ अधिकारियों ने भाग लिया। श्री कांग ने सभी प्रतिभागियों को बधाई दी और कहा कि 2020 को कठिन समय में इनोवेटिव सोच के लिए याद रखा जाएगा जो अटूट मानवीय भावना का प्रमाण है। उन्होंने छात्रों से अपने आइडिया और सपनों को पूरा करना आगे भी जारी रखने की बात कही। समीर वधावन, हेड, मानव संसाधन, सैमसंग इंडिया, ने कहा कि सैमसंग में, हमारा मानना है कि केवल अर्थपूर्ण इनोवेशन बदलाव लाने में सक्षम हैं। सैमसंग ई.डी.जी.ई. कैम्पस प्रोग्राम के माध्यम से, हम युवा प्रतिभाओं को प्रोत्साहित करना चाहते हैं और उन्हें वास्तविक जीवन की समस्याओं के लिए रचनात्मक समाधान प्रस्तुत करने के लिए एक मंच प्रदान करना चाहते हैं।

Date: 2nd December 2020

Media: Times Now

Edition: Online

Journalist: Kanika Khurana

Headline: IIT Placements 2020: With offers as high as 1.54 crores, IITs beat the pandemic blues

URL: <https://www.timesnownews.com/education/article/iit-placements-2020-offers-as-high-as-1-54-crores-iit-madras-bombay-roorkee-guwahati-placement-reports/689247>

Indian Institutes of Technology, IITs across the country started with their placements for the 2020-21 sessions on December 1 and with a bang. With a record high in pre-placement offers, many students have already bagged offers as high as 1.54 crores from international companies. The packages for domestic companies have also seen a sharp rise to about 80 lakhs this year for all top IITs including IIT Madras, Bombay, Roorkee, Guwahati etc.

As per the information shared, international IT Giant Cohesity has offered packages to the tune of \$200,000 per annum which translates to nearly 1.5 crores at IIT Madras for its California offices. As for IIT Bombay, its students picked up a package of Euros 157,000 which is roughly 1.4 crores from trading giant Optiver for its Amsterdam and Sydney offices. **Latest Update: IIT Bombay Placement 2020: Over 400 job offers with highest package of 1.63 crores**

Not just international, domestic offers also saw a formidable increase from previous year's numbers. **IIT Roorkee confirmed packages as high as 80 lakhs with as many as 272 overall offers on Day 1.** IIT Bombay and Madras also recorded similar packages from various companies.

While the top offers may be limited, overall the placement season has brought much needed cheer to the IITs. IIT Bombay reported 153 pre-placements offers of PPOs. As many as 18 companies participated on day 1 of the placements for 2021 batch. The highest offers were made by tech giants Microsoft, Google, Apple, Texas Instruments, Qualcomm as well as Consulting majors like Boston Consulting Group, Morgan Stanley etc.

IIT Kanpur too reported as many as 226 offers on Day 1 itself with highest domestic package of Rs. 82 lakh from Graviton Trading which picked three students. QuantBox also offered a package of 80 lakh while Cohesity also made an international offer. Many offers to the tune of 60 lakhs from domestic companies were also made. IIT Guwahati also recorded as many as 133 PPOs and 69 offers so far and is hopeful of better statistics as compared to last year in 2020.

Date: 2nd December 2020

Media: Financial Express

Edition: Online

Journalist: NA

Headline: IITs beat Covid-19 pandemic blues in placement drives with record job offers, high salary packages

URL: <https://www.financialexpress.com/jobs/iits-beat-covid-19-pandemic-blues-in-placement-drives-with-record-job-offers-high-salary-packages/2141882/>

Indian Institutes of Technology (IITs) across the country have kicked off their placement drives with record job offers and high salary packages, beating COVID-19 pandemic blues.

IIT-Delhi students bagged over 300 placement offers, including pre-placement offers (PPOs), by the end of the first day of the first phase of the placement season.

“Given the situation this year, a new company scheduling paradigm has been conceptualised for a smooth placement process. This is to create an optimum environment for both the recruiters and the students for a seamless selection process. Given the fact that all selection processes are being conducted in a virtual mode this year, the entire interview process would span a single day instead of multiple shifts unlike past years and many other campuses,” an IIT-Delhi official said.

“What this translates into is that the spread of companies will be more across days. This process will give ample time to recruiters to make selection judgements to facilitate the right fitment both for students and recruiting organisations,” the official added.

With a record high in pre-placement offers, many students have already bagged offers as high as Rs 1.54 crore from international companies.

The packages for domestic companies have also seen a sharp rise to about Rs 80 lakh this year for all top IITs, including IIT-Madras, Bombay, Roorkee and Guwahati.

In IIT-BHU, 217 students have bagged jobs with annual CTC ranging from Rs 11.5 lakh to 64.27 lakh. Last year, it was Rs 10 lakh to Rs 58.21 lakh.

In IIT-Madras, a total of 123 offers were made by 222 companies during day one's session, higher in any of the preceding years.

“The year 2020 has seen the placement process happening online and the number of recruiters joining the virtual placement has been very encouraging despite the pandemic and we are thankful to all the recruiters. The students of IIT-Guwahati who are appearing for the placement from across the country are very determined and are likely to benefit from this online process due the equal opportunity provided to them as other institutes and we expect an upward trend in placement this year at IIT-Guwahati,” TG Shriram, Director, IIT-Guwahati.

At IIT-Bombay, there were 18 companies who participated in the placement drive on December 1. According to a statement from the institute, for domestic jobs, the highest number of offers came from Microsoft, Google, Texas Instruments, Qualcomm, Boston Consulting Group, and Apple. Amsterdam-based proprietary trading firm Optiver, meanwhile, made lucrative international offers.

Date: 1st December 2020

Media: Campus Vartha

Edition: Online

Journalist: NA

Headline: IIT Placements 2020: With offers as high as 1.54 crores, IITs beat the pandemic blues

URL: <https://www.campusvartha.com/campus-updates/iit-placements-2020-with-offers-as-high-as-1-54-crores-iits-beat-the-pandemic-blues/>

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Date: 3rd December 2020

Media: The Times of India clip attached)

Edition: Mumbai

Page No: 5

Journalist: Hemali Chhappia, Yogita Rao

Professor: Prof. C. S. Shankar Ram

Headline: Hiring season sees start-ups making presence felt at IITs

Hiring season sees start-ups making presence felt at IITs

71 Start-Ups Will Be Hiring At IIT-Madras, While IIT-Kanpur Has 50

**Hemali Chhappia &
Yogita Rao | TNN**

Mumbai: The buzz over international offers that usually lasts a week once placements kick in at the Indian Institutes of Technology died down by the close of day 2. Clearly, 'hiring 2020' at the IITs will have a distinct flavour. While international postings will be fewer than previous years, domestic offerings and those from fast-paced start-ups companies will rule the first phase of hiring season at the tech institutions.

Whether IIT Madras, Kanpur, Bombay or Guwahati, the number of start-ups scouting talent on campuses is up. At IIT Madras, of a total 256 companies participating in the first phase, 71 are start-ups; last year there were 57 start-ups. At IIT Kanpur,

while 2019 saw 35 (out of 300) start-ups participate, this time there are 50 such firms out of about 220 companies.

"We have a research park at IIT Madras and we explained the hiring process to many of the incubated companies. This conversation has led to larger participation of start-ups and we feel these numbers will grow over the years," said C S Shankar Ram, advisor (training & placement), IIT-Madras.

IIT-Roorkee has 28 start-ups. While start-ups get placement slots toward the end of phase 1, day two already saw one pick two students from IIT-Kanpur for its operations in Bengaluru. Application security firm Traceable AI offered an annual CTC of Rs56.3 lakh with a base salary of Rs 30 lakh, apart from ESOPs and other benefits.

At IIT-Roorkee, 35 companies participated in the placement process till 2 pm on December 2. The highest offer made on day 2 at Roorkee was Rs31.5 lakh.

IIT Kanpur saw eight international offers being made with Accenture, Japan picking six students by offering them JPY (Japanese yen) 56.6 lakh on day 2, apart from an offer from Cohesity and another from Ally.Io. IITB recorded 21 international offers by the end of day 1.

The highest number of offers was made by Optiver (the Netherlands), Honda R&D (Japan), and TSMC (Taiwan Semiconductor Manufacturing Company). The selection count by the end of day 1 was 155. Total selections, including PPO and PSU, by the end of day 1 were 313. Cohesity did not make a high-value international offer at IIT Bombay

this time.

International offers at the Powal Institute included those from Sony Japan (JPY 1.63 crore or Rs 1.15 crore), Honda (R&D) Japan (JPY 82 lakh or Rs 58 lakh), NEC Japan (JPY 49.24 lakh) and TSMC (JPY 20.70 lakh).

On Day 2, in slot 1, 16 companies made about 64-plus job offers in various sectors. Prominent international offers were made by Sysmex Corporation (Japan). In domestic jobs, highest number of offers was made by Oracle, American Express and Bajaj Auto.

At IIT-Madras, 23 companies made 86 offers in the second slot before day 1 closed, while 43 companies made 141 offers in the first slot of day 2. At IIT-Kharagpur, the total number of offers made on day one, including the pre-placement offers were 417.

Date: 3rd December 2020

Media: Malai Murasu (Tamil) (clip attached)

Edition: Chennai

Page No: 2

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Student: Pranjal Jain

Headline: IIT Madras Placements First Session 123 Jobs Offered by 22 Companies

ஐஐடி மாணவருக்கு

ரூ.1.48 கோடியில் வேலை!

அமெரிக்க நிறுவனம் வாய்ப்பு!!

மும்பை, டிச.2 ஐஐடி மாணவர்களை வெளிநாடுகளை சேர்ந்த நிறுவனங்கள் போட்டி போட்டுக் கொண்டு வேலைக்கு எடுக்கின்றனர். இந்திய மாணவர்களின் திறமை வெளிநாடுகளில் தொடர்ந்து பிரகாசித்து வருகிறது.

நேற்று முதலாவது நாள் பணியெடுப்பு நடைபெற்றது.

இதில் 123 பேர் பணிக்கு எடுக்கப்பட்டுள்ளனர். மைக்கேராசாப்ட் 19 பேருக்கும், டெக்சாஸ் 12 பேருக்கும், பஜாஜ் ஆட்டோ 10 பேருக்கும், இஸ்ரோ 10 பேருக்கும், அல்போன்சோ 9 பேருக்கும், குவால்கோம் 8 பேருக்கும் வேலை வாய்ப்பு அளித்துள்ளன. இந்த ஆண்டு வேலை வாய்ப்பிற்காக பதிவு செய்துள்ள மொத்த மாணவர்களின் எண்ணிக்கை 1443 ஆகும்.

ஐஐடி மும்பையை சேர்ந்த மாணவர் ஒருவரை அமெரிக்காவை சேர்ந்த கோக்சிட்டி என்ற நிறுவனம் ஆண்டுக்கு 2 லட்சம் டாலர் சம்பளத்தில் பணிக்கு எடுத்துள்ளது. இது இந்திய ரூபாய் மதிப்பில் ரூ.1.48 கோடிக்கு சமம் என்பது குறிப்பிடத்தக்கது. முதல் நாளன்று 46 நிறுவனங்கள் மாணவர்களை வேலைக்கு எடுத்துள்ளனர் என்று புள்ளி விவரம் தெரிவித்துள்ளது.

கொரோனாவை ரஸ்தாக்கம் தொடர்ந்து நீடித்து வருகிறது என்ற போதிலும் மாணவர்களை பணிக்கு அமர்த்துவதில் சரிவு ஏதுவும் ஏற்படவில்லை என்று பேராசிரியர்கள் மற்றும் மாணவர்கள் தெரிவித்துள்ளனர்.

Date: 3rd December 2020

Media: Malai Malar (clip attached)

Edition: Chennai

Page No: 10

Journalist: NA

Professor: Prof. C. S. Shankar Ram

Student: Pranjal Jain

Headline: IIT Madras Placements First Session 123 Jobs Offered by 22 Companies

முதல் நாள் நேர்முக தேர்வில்

சென்னை ஐ.ஐ.டி. மாணவர்கள் 123 பேருக்கு வேலைவாய்ப்பு

22 நிறுவனங்களுக்கு தேர்வு

சென்னை, டி.ச. 2-
இந்தியாவில் உள்ள ஐ.ஐ.டி-
கல்வி நிறுவனங்களில்
சென்னையில் உள்ள ஐ.ஐ.டி.
நிறுவனத் துக்கு தனி மவுக
உள்ளது.

அதிக வேலைவாய்ப்பு
இங்கு படிக்கும் மாண
வர்களை முன்னணி நிறுவனங்கள்
அதிக எண்ணிக்கையில் தேர்வு
செய்வது வாடிக்கை. எனவே,
இங்குள்ள மாணவர்களுக்கு
அதிக வேலைவாய்ப்புகள்
கிடைக்கின்றன.

கடந்த ஆண்டு நடந்த முதல்
கட்ட வேலைவாய்ப்பு தேர்வில்
சென்னை ஐ.ஐ.டி. மாணவர்கள்
102 பேருக்கு வேலை கிடைத்தது.
20 நிறுவனங்களுக்கு இவர்கள்
தேர்வு செய்யப்பட்டனர். இந்த

வருடம் கொரோனா அச்சம்
இருப்பதால் வேலைவாய்ப்பு
நேர்காணல்கள் ஆன்லைன்
மூலம் நடத்தப்படுகின்றன.
முதல் கட்ட நேர்முக தேர்வு
இந்த வருடத்துக்கான
முதல் நேர்முக தேர்வில்
பெரிய நிறுவனங்களான
மைக்ரோசாப்ட், டெக்ஸாஸ்
இன்ஸ்ட்ரூமென்ட்ஸ், பஜாஜ்
ஆட்டோ, இஸ்ரோ, அல்பான்சா,
குவால்காம் நிறுவனங்கள்
இடம் பெற்றன. இவை தவிர
மேலும் பல நிறுவனங்களும்
ஆன்லைன் மூலம் சென்னை
ஐ.ஐ.டி. மாணவர்களை தங்கள்
நிறுவனங்களில் பணிபுரிய தேர்வு
செய்தது.

2020-21-ம் ஆண்டுக்கான
வேலை வாய்ப்புக்கு சென்னை

ஐ.ஐ.டி. மாணவர்கள் 1,443
பேர் பதிவு செய்துள்ளனர்.
முதல் கட்ட வேலை வாய்ப்புக்கு
பதிவு செய்யப்பட்ட நிறுவனங்
களின் எண்ணிக்கை 256. இதில்
472 பேருக்கு வேலை கிடைக்க
வாய்ப்பு உள்ளது.

123 பேர் தேர்வு
இந்த ஆண்டு தொடக்கத்தில்
71 நிறுவனங்களில் சென்னை
ஐ.ஐ.டி. மாணவர்கள் 182 பேர்
தேர்வு செய்யப்பட்டுள்ளனர்.
இதே கால கட்டத்தில் கடந்த
ஆண்டு 170 பேர்தான் தேர்வு
செய்யப்பட்டனர்.

இப்போது நடந்த முதல் கட்ட
தேர்வில், 12 நிறுவனங்களில்
பணி புரிய 123 பேர் தேர்வு
செய்யப்பட்டுள்ளனர். முதல்
நாள் நடந்த ஆன்லைன் நேர்முக
தேர்வில் இவர்களுக்கு இந்த
வாய்ப்பு கிடைத்ததுள்ளது. இதில்
58 பேர் 6 பிரபல நிறுவனங்களில்
பணி வாய்ப்பு பெற்றுள்ளனர்.

2-வது அமர்வு
1-வது அமர்வுக்கு ஜி.இ.
விப்ரோ உள்ளிட்ட 48 வேலை
வாய்ப்புள்ள 24 நிறுவனங்கள்
பங்கேற்க வாய்ப்புள்ளது. இவை
தவிர பல் வேறு நிறுவனங்கள்
சென்னை ஐ.ஐ.டி. மாணவர்
களை தங்கள் நிறுவனங் களுக்கு
தேர்வு செய்ய ஆர்வமாக
உள்ளன.

கடந்த கல்வி ஆண்டில்
மாணவர்கள் பெற்ற வேலை
வாய்ப்பை விட இந்த ஆண்டு
அதிகமானவர்கள் பல்வேறு
நிறுவனங்களில் வேலைவாய்ப்பு
பெற இருக்கிறார்கள். இத்
எங்களுக்கு பெருமை என்று
ஐ.ஐ.டி. நிறுவனத்தின் முக்கிய
நிர்வாகி ஒருவர் தெரிவித்தார்.

Date: 3rd December 2020

Media: Hindustan

Edition: Online

Journalist: Anuradha Pandey

Headline: कोविड-19 महामारी के बावजूद आईआईटी मद्रास में कैंपस प्लेसमेंट का नया रिकॉर्ड (New record of campus placements at IIT Madras despite Kovid-19 epidemic)

URL: <https://www.livehindustan.com/career/story-new-record-of-campus-placements-at-iit-madras-despite-covid-19-epidemic-3663107.html>

कोविड-19 महामारी के बावजूद आईआईटी मद्रास में कैंपस प्लेसमेंट का नया रिकॉर्ड

कोविड-19 महामारी के बावजूद भारतीय प्रौद्योगिकी संस्थान (IIT) में रिकॉर्ड प्लेसमेंट हो रहे हैं। मंगलवार को भारतीय प्रौद्योगिकी संस्थान (IIT) मद्रास ने कहा कि 2020-21 में कैंपस प्लेसमेंट ने एक नया रिकॉर्ड बनाया है। एक दिन में 22 कंपनियों ने 123 जॉब ऑफर दिए हैं। पिछले एकेडमिक ईयर की तरफ देखें तो यह उनसे कहीं ज्यादा है। साल 2019-20 एकेडमिक ईयर में 20 कंपनियों ने 102 जॉब ऑफर दिए थे।

बड़े रिक्रूटर में इस साल माइक्रोसाफ्ट रही, जिसने सबसे ज्यादा 19 ऑफर दिए, वहीं बजाज ऑटो ने 10, ISRO-10, Alphonso-9, और Qualcomm-8 दिए। प्लेसमेंट का पहला चरण 8 दिसंबर तक चलेगा। इस साल 1,443 स्टूडेंट्स ने रजिस्ट्रेशन कराया था। पहले चरण में से 256 कंपनियों ने रजिस्टर्ड किया है, ये 472 प्रोफाइल्स को रिक्रूट करेंगी।

भारतीय प्रौद्योगिकी संस्थान (IIT) रुड़की की प्लेसमेंट में अभी तक 395 ऑफर्स दिए जा चुके हैं और कई नतीजों का अभी इंतजार है। 35 बड़ी कंपनियों ने प्लेसमेंट के लिए आईआईटी रुड़की का रुख किया है। आईआईटी रुड़की के अनुसार अमेरिकन एक्सप्रेस, अप्लाइड मैटेरियल्स, सिसको सिस्टम इंडिया प्राइवेट लिमिटेड, सितरिक्स आरएंडडी इंडिया प्राइवेट लिमिटेड, डीबीआई ग्लोबल सर्विस प्राइवेट लिमिटेड, ड्रीम 11, जगुआर लैंडरोवर इंडिया, जेपी मार्गन जैसी कई बड़ी कंपनियां प्लेसमेंट ऑफर देने के लिए शामिल हुईं। इसके अलावा LAM रिसर्च, MTX ग्रुप इंक, nVidia ग्राफिक्स, Harness और Paypal शामिल हैं।

इसी तरह आईआईटी गुवाहाटी में भी प्लेसमेंट शुरू हो चुका है। एक दिसंबर से शुरू हुए प्लेसमेंट में गूगल, माइक्रोसाफ्ट, Goldman Sachs, Qualcomm, Texas Instruments, बजाज ऑटो, अमेरिकन एक्सप्रेस ने प्लेसमेंट के पहले दिन भाग लिया। प्लेसमेंट अभियान अभी चल रहा है और अभी तक 69 जॉब ऑफर दिए जा चुके हैं।

Date: 3rd December 2020

Media: College Chalo

Edition: Online

Journalist: S. Vishnu Sharma

Professor: Prof. C. S. Shankar Ram

Student: Pranjal Jain, Dhruv Sriram

Headline: IIT Madras placement: Great performance on Day 1

URL: <https://www.collegechalo.com/news/iit-madras-placement-great-performance/>

IIT Madras placement on the first day has been worth praising with 123 offers being made to students. The entire IIT Madras placement process is being conducted online this year and top recruiters were Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso and Qualcomm.



The 123 offers made during this IIT Madras placement came from 22 companies during the first day's session 1.1 that took place on 1 December.

This is higher than any of the preceding Academic Years. During the last academic year of 2019-20, IIT Madras placement witnessed 102 offers being made by 20 companies at the end of Session 1.1. The Phase I of IIT Madras placements is expected to continue till 8 December.

IIT Madras placement: Great performance on Day 1

The session 1.1 of IIT Madras placements began at 7 am and concluded at 2 pm on 1 December. It saw the participation of 22 companies covering 43 job profiles.

The second and final slot of day one of IIT Madras placement was conducted between 4 pm and 11 pm on that day, 24 companies with 48 profiles were scheduled to participate. These companies included TSMC, KLA Tencor, GE and Wipro.

Speaking about conducting IIT Madras placement process online, Professor C.S. Shankar Ram, Advisor (Training and Placement), IIT Madras, said the IIT Madras placement team has worked with our recruiting partners to seamlessly enable this transition.

'I am happy to share that we have exceeded the number of offers made in the 1.1 session from the previous academic year.'

I am optimistic that a similar trend would continue over the next few days, he said.

The top recruiters in session 1.1 of IIT Madras placement are given below along with the offers they made:

\$ Microsoft – 19 Offers

\$ Texas Instruments – 12 Offers

\$ Bajaj Auto – 10 Offers

\$ ISRO – 10 Offers

\$ Alphonso Inc – 9 Offers

\$ Qualcomm – 8 Offers

A total of 1,443 students have registered for taking part in IIT Madras placement in the 2020-21 academic year, across different streams of study.

The total number of companies registered for Phase I of IIT Madras placement are 256. They will be recruiting for a total of 472 profiles.

Also even startups too are actively taking part in IIT Madras placement process. As many as 71 startups have registered for recruitment in the ongoing academic year 2020-21.



Sharing his experience on the online placement process this year, IIT Madras placement head (undergraduate) Mr. Pranjal Jain said the IIT Madras placement process, though conducted virtually for the first time, was very well organized.

IIT Madras-placement team and companies were well prepared and have scheduled the interviews to avoid conflicts, he said.

Speaking about the experience in taking part in the online placement, Mr. Dhruv Sriram, a student from Aerospace Engineering department said the placement session of 2020-21 was definitely a challenging experience for students, organisers and companies alike.

It was heartening to see the administration and the students of the IIT Madras placement committee rallying behind us to ensure a seamless virtual experience at each stage.

Three words that best describe this placement season for me would be Empathy, Technology and Collaboration.

Overall, a fantastic experience that would serve as a template for how placements may be conducted in the future across the country, he said.

About IIT Madras

Indian Institute of Technology Madras (IITM) was established in 1959 by the Government of India as an 'Institute of National Importance.'

The activities of the Institute in various fields of Science and Technology are carried out in 16 academic departments and several advanced interdisciplinary research academic centres.

The Institute offers undergraduate and postgraduate programmes leading to B.Tech., M.Sc., M.B.A., M.Tech., M.S., and Ph.D., degrees in a variety of specialisations.

IITM is a residential institute with more than 580 faculty and 9,500 students. Students from 18 countries are enrolled here. IITM fosters an active entrepreneurial culture with strong curricular support and through the [IITM Incubation Cell](#).



IITM has been ranked No.1 in the 'Overall' Category for the second consecutive year in India Ranking 2020 released by National Institutional Ranking Framework, Ministry of Education, Government of India. The Institute has also been ranked No.1 in the 'Engineering Institutions' category in the same Rankings for five consecutive years – 2016, 2017, 2018, 2019 and 2020.

It was also adjudged as the 'Top innovative Institution' in the country in Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2019 and 2020.

ARIIA Ranking was launched by Innovation Cell of Ministry of Education.

Date: 3rd December 2020

Media: Prabhat Khabar (clip attached)

Edition: Kolkata

Page No: 11

Journalist: NA

Headline: Microsoft Redmond offered Rs. 1.5 crore package to the students from IIT Roorkee

रिकॉर्ड बना रहा प्लेसमेंट

आइआइटी रुड़की के छात्र को मिला 1.5 करोड़ का पैकेज



अमेरिका की दिग्गज आइटी कंपनी 'कोहेसिटी' ने आइआइटी रुड़की के एक छात्र को सर्वाधिक 20 हजार यूएस डॉलर (करीब 1.48 करोड़ रुपये) का जॉब ऑफर किया है. कोरोना के बावजूद एक दिसंबर से शुरू हुए प्लेसमेंट में मिले इस पैकेज ने छात्रों को उत्साहित कर दिया है. नीदरलैंड की ट्रेडिंग कंपनी 'ऑप्टीवर' ने आइआइटी मुंबई के सात छात्रों को एम्सटर्डम और सिडनी में जॉब के लिए 1,57,000 यूरो (करीब 1.39 करोड़) का सैलरी पैकेज दिया है. बी2बी एसएएस स्टार्टअप एली.आइओ को 1.39 करोड़ रुपये का इंटरनेशनल ऑफर मिला है. पहली बार आइआइटी कॉलेजों की फाइनल प्लेसमेंट की प्रक्रिया पूरी तरह ऑनलाइन है.

आइआइटी दिल्ली सबसे आगे

संस्थान	छात्र	अधिकतम सालाना पैकेज
आइआइटी दिल्ली	300	1 करोड़
आइआइटी रुड़की	272	1.48 करोड़
आइआइटी कानपुर	226	82 लाख
आइआइटी मुंबई	153	1.39 करोड़
आइआइटी गुवाहाटी	133
आइआइटी मद्रास	123
आइआइटी धनबाद	57	45 लाख
आइआइटी पटना	15	43.50 लाख

जॉब देने में माइक्रोसॉफ्ट आगे अधिकतम पैकेज एक करोड़

माइक्रोसॉफ्ट	01 करोड़
क्वालकॉम	46.4 लाख
वर्ल्डवॉट	39.7 लाख
मॉर्गन स्टेनली	37.2 लाख
उबर	35.3 लाख

रिक्रूटमेंट में ये कंपनियां सबसे आगे

माइक्रोसॉफ्ट, अमेजन, कोहेसिटी, ओरैकल, क्वालकॉम, फिलिपकार्ट, गोल्डमैन सैक्स, इंटेल, जगुआर लैंड रोवर, जेपी मॉर्गन, उबर

Date: 3rd December 2020

Media: Eastern Chronicle (clip attached)

Edition: Guwahati

Page No: 1,5

Journalist: NA

Headline: IIT's beat pandemic blues with record job offers, packages

IITs beat pandemic blues with record job offers, packages

AGENCIES

NEW DELHI: Indian Institutes of Technology (IITs) across the country kicked off their placement drives with record job offers and high salary packages, beating COVID-19 pandemic blues.

IIT-Delhi students bagged over 300 placement offers, including pre-placement offers (PPOs), by the end of the first day of the first phase of the placement season.

"Given the situation this year, a new company scheduling paradigm has been conceptualised for a smooth placement process.

This is to create an optimum environment for both the recruiters and the students for a seamless selection process.

Given the fact that all selection processes are being conducted in a virtual mode this year, the entire interview



process would span a single day instead of multiple shifts unlike past years and many other campuses," an IIT-Delhi official said.

"What this translates into is that the spread of companies will be more across days. This process will give ample time to recruiters to make selection judgements to facilitate the right fitment both for students and recruiting organisations," the official added.

With a record high in pre-placement offers, many students have already bagged offers as high as Rs 1.54 crore from international companies.

The packages for domestic companies have also seen a sharp rise to about Rs 80

lakh this year for all top IITs, including IIT-Madras, Bombay, Roorkee and Guwahati.

In IIT-BHU, 217 students have bagged jobs with annual CTC ranging from Rs 11.5 lakh to 64.27 lakh. Last year, it was Rs 10 lakh to Rs 58.21 lakh.

In IIT-Madras, a total of 123 offers were made by 222 companies during day one's session, higher in any of the preceding years.

"The year 2020 has seen the placement process happening online and the number of recruiters joining the virtual placement has been very encouraging despite the pandemic and we are thankful to all the recruiters.

The students of IIT-Guwahati who are appearing for the placement from across the country are very determined and are likely to benefit from this online process due the equal opportunity provided...

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మన ప్రతిభకు పట్టం

- ఐఐఐటీ ప్రాంగణ నియామకాల జోరు
- క్యూ కట్టిన గూగుల్, మైక్రోసాఫ్ట్ తదితర అంతర్జాతీయ సంస్థలు
- కనిపించని కోరినా ప్రభావం

దీర్ఘ కాలం-18 మహిమూల కోరికల కాగితం వేళ... కేసులోని ఐఐఐటీ ప్రాంగణాల ముందు రేళ, విదేశీ సంస్థలు ద్వారా కరుతున్నాయి ప్రాంగణ నియమాల్లో ప్రతిద గం బారతీయ విద్యార్థులకు భారీ వేతనాలతో కొలువరిస్తుంది గూగుల్, మైక్రోసాఫ్ట్

తదితర అంతర్జాతీయ సంస్థలు సిద్ధమయ్యాయి. రూ. 1.54 కోట్ల వరకు వార్షిక ప్యాకేజీనిచ్చేందుకు ముందు కొస్తున్నాయి. కరోనా ప్రభావం ఎక్కడా తిరిగిందే యి, నిరుతుతో పాఠశ్ర ప్రాంగణ నియామకాలు ఈ సారి జోరుతున్నాయని అవకాశాలు చెబుతున్నారు. ఐఐఐటీ- ఇటీలో తొలి కోట తొలి వళ మూసినవరకే ఏకంగా 300 మంది విద్యార్థులకు వివిధ సంస్థలు నియామక ప్రకటనలు అందసోళాయి. "ఎంత ప్రభేయ దాదాపు వచ్చినట్లైతే సాగుంది ఇంతమందిలా ఎక్కడ కోటలు తీసుకోలేదు. ఒక్క కోటలోని ఎంత ప్రభేయ జరిగిపోయిందో" అని ఐఐఐటీ వెండిన 4 అవకాశం తెలిపారు.



ఐఐఐటీ- మద్రాసులోని ఐఐఐటీ జోరు.

ఐఐఐటీ జోరు... ఐఐఐటీ-బీహార్ ఐఐఐటీ, ఐఐఐటీ-మద్రాసులోనూ ఐఐఐటీ జోరు. బీహార్ ఐఐఐటీలో 217 మంది విద్యార్థులకు కొలువులు దొక్కాయి. రూ.11.5 లక్షల మంది రూ.84.21 లక్షల వరకు వార్షిక ప్యాకేజీని

చ్చారు. నిరుతు రూ. 10 లక్షల మంది రూ. 58.21 లక్షల వరకే ప్యాకేజీలు అందించాయి. ఐఐఐటీ మద్రాసులో కేటం ఒకే ఒక్క సెక్షన్లోనే 120 నియామకాలు జరిగాయి. 220 రోజులు, అంతర్జాతీయ సంస్థలు ఈ ఐఐఐటీ ప్రాంగణం ముందు ద్వారా ఉన్నాయి. ఇంతమందిని ఎక్కడా ఒక్క సంస్థలు ఇలే యి. ఐఐఐటీ మద్రాసు అవకాశం తెలిపారు. ఇప్పటివరకు గూగుల్, మైక్రోసాఫ్ట్ విద్యార్థి ఇన్స్టిట్యూట్లో, కార్గిల్ లాం, జోన్స్ హాప్కిన్స్, ప్రామ్ యాసిల్, అమెన్ డివ్యూలకు చెందిన ఇటీవల తదితర సంస్థలు ఈ సారి బారతీయ ప్రతిభకు పట్టం బిట్టియతుకు ఐఐఐటీ ప్రాంగణ నియామకాల్లో పాటుపడుతున్నాయి.

Date: 3rd December 2020

Media: Lokmat (Marathi) (clip attached)

Edifion: Mumbai

Page No: 2

Journalist: NA

Headline: Millions of offers in IIT placements again

आयआयटी प्लेसमेंटच्या पुन्हा कोटींच्या ऑफर्स

मुंबई : आयआयटी प्लेसमेंटच्या दुसऱ्या दिवशीही विद्यार्थ्यांना येणारा कोटींच्या पॅकेजेसचा ओघ थांबलेला नाही. प्लेसमेंटच्या दुसऱ्या दिवशी सोनी जपान या कंपनीकडून विद्यार्थ्यांला १.१५ कोटींची आंतरराष्ट्रीय ऑफर मिळाली. दुसऱ्या दिवशीच्या सत्रात एकूण १६ कंपन्यांनी विद्यार्थ्यांना ६४ हून अधिक ऑफर्स देऊ केल्या आहेत. आयआयटी मद्रास, आयआयटी मंडी येथेही मोठ्या प्रमाणावर विद्यार्थ्यांना नोकऱ्या मिळाल्या आहेत.

Date: 3rd December 2020

Media: Divya Bhaskar (Gujarati) (clip attached)

Edition: Mumbai

Page No: 14

Journalist: NA

Headline: Package up to Rs 1.38 crore for Mumbai IIT students

મુંબઈ IIT વિદ્યાર્થીઓને 1.38 કરોડ સુધીના પેકેજ

માઈક્રોસોફ્ટ, ગૂગલ, એપલ જેવી 18 કંપનીઓએ
કર્યા પ્લેસમેન્ટ, ઓફર કર્યા મોટા પેકેજો

ભાસ્કર ન્યૂઝ | મુંબઈ

પોતાના નવીનતાવાળા અભ્યાસક્રમ અને સંરોધન માટે જાણીતી આઈઆઈટી મુંબઈને કોરોનાના સમયમાં પણ પોતાનો કરોડોનો દબદબો જાળવી રાખ્યો છે. આઈઆઈટી મુંબઈ બહુચર્ચિત પ્લેસમેન્ટ પ્રક્રિયાની શરૂઆત થઈ હતી.

પહેલા જ દિવસે આઈઆઈટીના વિદ્યાર્થીઓને વર્ષે 1.57 લાખ યુરો એટલે કે રૂ. 1,38,00,000ના અપેક્ષા પગારની ઓફર કરવામાં આવી હતી. અંતરરાષ્ટ્રીય કંપની ઓપ્ટીવરે આ ઓફર આપી છે

જ્યારે દેશની કંપની ક્વોલકોમે રૂ. 46,41,000ની ઓફર આપી છે.

મુંબઈ સહિત સમગ્ર વિશ્વમાં આઈઆઈટીએ પોતાની નોખી છાપ ઝીંબી કરી છે. તેથી દર વર્ષે આઈઆઈટી મુંબઈની પ્લેસમેન્ટ પ્રક્રિયા પર વિશ્વની કંપનીઓનું ધ્યાન હોય છે. આ વર્ષે કોરોનાને લીધે કેટલી કંપનીઓ પ્લેસમેન્ટ પ્રક્રિયામાં ભાગ લેશે એના પર બધાનું ધ્યાન હતું. પ્લેસમેન્ટ પ્રક્રિયા પહેલા દિવસે 18 કંપનીઓએ ભાગ લીધો હતો. એમાં માઈક્રોસોફ્ટ, ગૂગલ, ઓસ્ટન, ક્વોલકોમે, એપલ જેવી અંતરરાષ્ટ્રીય કંપનીઓનો સમાવેશ હતો.

IIT મદ્રાસમાં 123 વિદ્યાર્થીઓને ઓફર

આઈઆઈટી મદ્રાસમાં પહેલા દિવસે પહેલા સત્રમાં 123 વિદ્યાર્થીઓને ઓફર મળી હતી. એમાં માઈક્રોસોફ્ટ, બજાજ ઓટો, ઈસરો જેવી કંપનીઓનો સમાવેશ હતો. અહીં માઈક્રોસોફ્ટે સૌથી વધારે 19 અને ઈસરોએ 10 ઓફર આપી હતી. આઈઆઈટી મદ્રાસમાં આ વર્ષે લગભગ 256 કંપનીઓએ નોંધણી કરાવી છે જેમાં 71 સ્ટાર્ટઅપનો સમાવેશ છે.

Date: 3rd December 2020

Media: Vijayavani Kannada Daily (Kannada) (clip attached)

Edition: Bangalore

Page No: 8

Journalist: NA

Headline: Bullet news

ಬುಲೆಟ್ ನ್ಯೂಸ್

1

ಉದ್ಯಮ ಕ್ಷೇತ್ರದಲ್ಲಿ ನೇಮಕಾತಿ ಪ್ರಮಾಣ ಚೇತರಿಕೆ ಕಾಣುತ್ತಿದ್ದು, ಐಐಟಿ ಮದ್ರಾಸ್‌ನ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ 22 ಕಂಪನಿಗಳು 123 ಆಫರ್ ನೀಡಿವೆ. ಕಳೆದ ವರ್ಷ 20 ಕಂಪನಿಗಳು 100 ಉದ್ಯೋಗ ನೀಡಲು ಮುಂದಾಗಿದ್ದವು.

2

ನ್ಯಾಯಾಧೀಶರು, ಅವರ ಪತ್ನಿಯರ ವಿರುದ್ಧ ವಿವಾದಾಸ್ಪದ ಹೇಳಿಕೆ ನೀಡಿದ್ದ ಮದ್ರಾಸ್ ಹಾಗೂ ಕಲ್ಕತ್ತಾ ಹೈಕೋರ್ಟ್‌ನ ಮಾಜಿ ನ್ಯಾಯಮೂರ್ತಿ ಸಿ.ಎಸ್. ಕರ್ಣನ್ ಚೆನ್ನೈನಲ್ಲಿ ಬಂಧನ.

3

ಬಂಗಾಳಕೊಲ್ಲಿಯಲ್ಲಿ ಸೃಷ್ಟಿಯಾಗಿರುವ 'ಬುರೇವಿ' ಚಂಡಮಾರುತ ತಮಿಳುನಾಡು ದಾಟಿ ಡಿ. 3ರಂದು ಕೇರಳಕ್ಕೆ ಅಪ್ಪಳಿಸಲಿದೆ. ತಿರುವನಂತಪುರಂ, ಕೊಲ್ಲಂ ಸೇರಿ 4 ಜಿಲ್ಲೆ ರೆಡ್‌ಯಲ್ಲಿ ಅಲರ್ಟ್.

4

ಗುಜರಾತಿನಲ್ಲಿ ಏಕತಾ ಪ್ರತಿಮೆ ವೀಕ್ಷಣೆಯ ಟಿಕೆಟ್ ಮಾರಾಟದಿಂದ ಸಂಗ್ರಹವಾಗಿದ್ದ ₹ 5.24 ಕೋಟಿ ದುರ್ಬಳಕೆಯಾಗಿರುವ ಆರೋಪ, ಏಜೆನ್ಸಿಯೊಂದರ ನೌಕರರ ವಿರುದ್ಧ ಎಫ್‌ಐಆರ್ ದಾಖಲು.

5

ಎರ್‌ಸೆಲ್-ಮ್ಯಾಕ್ವಿಸ್ ಹಗರಣದಲ್ಲಿ ಪಿ. ಚಿದಂಬರಂ ಮತ್ತು ಪುತ್ರ ಕಾರ್ತಿ ವಿರುದ್ಧದ ವಿಚಾರಣೆ ವಿಳಂಬಕ್ಕೆ ದೆಹಲಿ ವಿಶೇಷ ಕೋರ್ಟ್ ಅಸಮಾಧಾನ.

Date: 3rd December 2020

Media: Indian Express

Edition: Online

Journalist: NA

Headline: IITs beat pandemic blues in placement drives with record job offers, high salary packages

URL: <https://indianexpress.com/article/jobs/iits-beat-pandemic-blues-in-placement-drives-with-record-job-offers-high-salary-packages-7084267/>

Indian Institutes of Technology (IITs) across the country have kicked off their placement drives with record job offers and high salary packages, beating COVID-19 pandemic blues. IIT-Delhi students bagged over 300 placement offers, including pre-placement offers (PPOs), by the end of the first day of the first phase of the placement season.

"Given the situation this year, a new company scheduling paradigm has been conceptualised for a smooth placement process. This is to create an optimum environment for both the recruiters and the students for a seamless selection process. Given the fact that all selection processes are being conducted in a virtual mode this year, the entire interview process would span a single day instead of multiple shifts unlike past years and many other campuses," an IIT-Delhi official said.

"What this translates into is that the spread of companies will be more across days. This process will give ample time to recruiters to make selection judgements to facilitate the right fitment both for students and recruiting organisations?" the official added.

With a record high in pre-placement offers, many students have already bagged offers as high as Rs 1.54 crore from international companies. The packages for domestic companies have also seen a sharp rise to about Rs 80 lakh this year for all top IITs, including IIT-Madras, Bombay, Roorkee and Guwahati. In IIT-BHU, 217 students have bagged jobs with annual CTC ranging from Rs 11.5 lakh to 64.27 lakh. Last year, it was Rs 10 lakh to Rs 58.21 lakh. In IIT-Madras, a total of 123 offers were made by 222 companies during day one's session, higher in any of the preceding years.

"The year 2020 has seen the placement process happening online and the number of recruiters joining the virtual placement has been very encouraging despite the pandemic and we are thankful to all the recruiters. The students of IIT-Guwahati who are appearing for the placement from across the country are very determined and are likely to benefit from this online process due the equal opportunity provided to them as other institutes and we expect an upward trend in placement this year at IIT-Guwahati," TG Shriram, Director, IIT-Guwahati.

At IIT-Bombay, there were 18 companies who participated in the placement drive on December 1. According to a statement from the institute, for domestic jobs, the highest number of offers came from Microsoft, Google, Texas Instruments, Qualcomm, Boston Consulting Group, and Apple. Amsterdam-based proprietary trading firm Optiver, meanwhile, made lucrative international offers.

Date: 6th December 2020

Media: Free Voice India

Edition: Online

Journalist: NA

Professor: Prof. Preeti Aghalayam

Headline: IIT Madras students develop game for children to create awareness about coronavirus disease

URL: <https://freevoiceindia.in/2020/12/06/iit-madras-students-develop-game-for-children-to-create-awareness-about-coronavirus-disease/>

Students of the Indian Institute of Technology (IIT) Madras have developed a digital game to create awareness among the general public, particularly children, on the importance of following the recommended precautions to protect themselves against COVID-19.

The browser-based game can be played on any device, including personal computers, laptops, tablets and mobile phones. It can be played at **Lets Play to Learn** for free.

It is also available at the **'GAME CORNER'** page on the IIT Madras website.

The inspiration for the game came from the popular game, Super Mario. In the one-minute COVID-19 game, students must do the right things to earn maximum points.

Based on feedback, the team of students behind the game translated the game to several regional languages to improve its reach. Apart from English, the game is already available in 12 languages— Assamese, Bengali, Gujarati, Hindi, Kannada, Malayalam, Marathi, Oriya, Punjabi, Sanskrit, Tamil and Telugu.

The students plan to make the game available in more regional games in the future.

The students took a nine-credit elective course called 'Let's Play to Learn' offered between January and May 2020 to create the game. The co-facilitators of the game were Preeti Aghalayam, a faculty in the Department of Chemical Engineering and Kartic Vaidyanathan, founder of LetsPlayToLearn and an alumnus of the BTech mechanical engineering batch of 1996.

Date: 6th December 2020

Media: Rojgar Rath

Edition: Online

Journalist: NA

Headline: सिर्फ अंतरराष्ट्रीय ही नहीं, आईआईटी को घरेलू वेतन पैकेजों में भी बढ़ोतरी देखने को मिली (Not only international, IITs also saw an increase in domestic salary packages)

URL: <https://rojgarath.in/सिर्फ-अंतरराष्ट्रीय-ही-न/>

न केवल अंतरराष्ट्रीय बल्कि घरेलू पैकेजों में भी इस साल (IIT) में अंतिम प्लेसमेंट प्रक्रिया के पहले चरण में एक उछाल देखा गया है। उदाहरण के लिए, आईआईटी रुड़की ने अब तक सबसे अधिक घरेलू वेतन में 80 लाख रुपये की बढ़ोतरी देखी है, जो पिछले साल 60 लाख रुपये थी। इसके अलावा, अंतरराष्ट्रीय ऑफर प्लेसमेंट शुरू होने के बाद से तीसरे दिन सात बजे थे। 1 दिसंबर को वार्षिक भर्ती अभियान शुरू हुआ, जिसके पहले चरण के अधिकांश परिसरों में जल्द ही संपन्न होने की संभावना थी। दूसरी ओर, आईआईटी गुवाहाटी ने अब तक के अपने 70 लाख रुपये के उच्चतम घरेलू पैकेज को आकर्षित किया है। यह पिछले साल के 52 लाख रुपये से लगभग 35 प्रतिशत अधिक है। इसके अलावा, छात्रों द्वारा चार अंतरराष्ट्रीय ऑफर हड़प लिए गए हैं। अंतरराष्ट्रीय प्रस्तावों के संदर्भ में, डच फर्म ऑप्टिवर ने अब तक आईआईटी बॉम्बे में 157,000 यूरो या 1.39 करोड़ रुपये का उच्चतम प्रस्ताव दिया है, इसके बाद सोनी जापान (1.14 करोड़ रुपये), होंडा (आरएंडडी) जापान (57.85 लाख रुपये) का है, ताइवान सेमीकंडक्टर मैनुफैक्चरिंग कंपनी (53.52 लाख रुपये), क्वालकॉम (46.41 लाख रुपये), वर्ल्डक्वांट (39.70 लाख रुपये), मॉर्गन स्टेनली (37.25 लाख रुपये), उबेर (35.38 लाख रुपये), और एनईसी जापान (34.73 लाख रुपये)। अंतिम प्लेसमेंट प्रक्रिया के तीसरे दिन तक, IIT रुड़की में 107 कंपनियां थीं, जो प्री-प्लेसमेंट ऑफर (PPOs) सहित सभी में 484 ऑफर प्रदान करती थीं। इस साल IIT रुड़की के शीर्ष रिक्रूटर्स में एक्सचेंजर जापान, एक्सिस बैंक, एडलॉइड, क्लमियो, डीजी तकानो कंपनी लिमिटेड, डग्राफ, ईटन, हायलैब्स, इकार्टिस, नवी, ऑयल इंडिया लिमिटेड, प्रॉक्सिस ग्लोबल अलायंस, पेटीएम, पब्लिसिस सेपिएंट, रुपेक, सपिएंट शामिल हैं। स्टैंडर्ड चार्टर्ड, उदयन, और जेडएस एसोसिएट्स इंडिया प्राइवेट लिमिटेड, अन्य। दिन 2 तक, आईआईटी गुवाहाटी में 353 जॉब ऑफर थे, इसके अलावा 133 पीपीओ के अलावा 70 लाख रुपये के उच्चतम घरेलू ऑफर। प्लेसमेंट के लिए कुछ 1,100 छात्र पंजीकृत हैं। आईआईटी गुवाहाटी ने चार अंतरराष्ट्रीय प्रस्ताव देखे। Google, Microsoft, Goldman Sachs, Qualcomm, Texas Instruments, Adobe, Oracle, Walmart, Bajaj, American Express, Uber, Accenture Japan, MTX, PhonePe, Jaguar, Mercedes, JP Morgan, Amazon, SAP, Cisco, EXL, Intel जैसी कंपनियाँ, स्पिंकलर, क्लियरटेक्स, एक्सिस बैंक, सोकेन, फिलपकार्ट और कई अन्य ने आईआईटी गुवाहाटी में अब तक की प्लेसमेंट प्रक्रिया में भाग लिया है। आईआईटी मद्रास ने लगभग 43 कंपनियों को इस प्रक्रिया के दूसरे दिन भी 141 ऑफर देते हुए देखा था, क्योंकि कंपनियों में भर्ती अभियान जारी है। इस बीच, आईआईटी दिल्ली में, 300 से अधिक राष्ट्रीय और अंतरराष्ट्रीय फर्मों ने इस साल छात्रों को काम पर रखने के लिए कई क्षेत्रों में 500 से अधिक जॉब प्रोफाइल पेश किए हैं। अंतिम प्लेसमेंट के पहले चरण के पहले दिन के अंत तक, IIT दिल्ली के छात्रों को कई प्लेसमेंट ऑफर (PPOs) सहित 300 से अधिक प्लेसमेंट ऑफर मिले, जिनमें कई ऑफर्स भी शामिल हैं। लगभग 150 पीपीओ (अंतरराष्ट्रीय स्थानों सहित) प्राप्त हुए हैं।

Date: 5th December 2020

Media: The North East Times (clip attached)

Edition: Guwahati

Page No: 2

Journalist: NA

Student: Guhan Narayanan, Rishbha Jain, Mukund Khandelwal

Headline: IIT Madras wins 5th edition of Samsung E.D.G.E. Campus prog, FMS Delhi runner-up

IIT Madras wins 5th edition of Samsung E.D.G.E. Campus prog, FMS Delhi runner-up

DELHI, DEC 4: Samsung India concluded the fifth edition of its pan-India campus programme Samsung E.D.G.E., with over 5,200 of the brightest students from 20 top institutions across India participating.

Team The Secret Society from IIT Madras, comprising Guhan Narayanan, Mukund Khandelwal and Rishbha Jain emerged winners in the finale for presenting a customer-centric, innovative solution to reach out to potential consumers in a contact-less way in the new normal. The team Pravega from FMS Delhi came second followed by team Mafia from XLRI Jamshedpur.

This year, all rounds in the two-month-long programme were conducted virtually to ensure the safety of students and all Samsung employees. The competition, spread over three months, invited participation of students from diverse domains such as B. Tech, Masters of Business Administration and Masters of Design.

The virtual event was attended by Ken Kang, President & CEO, Samsung SWA and other senior leaders of Samsung India. Kang congratulated all the participants and said that 2020 will be remembered for innovative thinking in challenging times, a testimony to the unwavering



Ken Kang, President & CEO, Samsung SWA

human spirit. He asked the students to continue pursuing their ideas and dreams.

Samsung E.D.G.E. is a campus recruitment and engagement initiative by Samsung India that was initiated in 2016 to provide opportunities to young talent from top B-Schools, Engineering & Design Institutes.

Every year the brightest

minds come together from top institutes of India to provide distinctive solutions to real-time challenges.

"At Samsung, we believe that only meaningful innovations enable change. Through the Samsung E.D.G.E. campus programme, we want to cultivate young minds and give them a platform to present creative solutions for real life problems. This year the teams were tasked to innovate on new-age solutions for current challenges faced by everyone around the world. We are overjoyed to see the bright ideas that have potential to transform our society," said Sameer Wadhawan, Head, Human Resources, Samsung India.

Date: 5th December 2020

Media: Meghalaya Guardian (clip attached)

Edition: Guwahati

Page No: 2

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Date: 5th December 2020

Media: Prahar (Marathi) (clip attached)

Edition: Mumbai

Page No: 6

Journalist: NA

Student: Guhan Narayanan, Rishbha Jain, Mukund Khandelwal

Headline: IIT Madras wins in the Fifth round of Samsung Campus program

सॅमसंग कॅम्पस प्रोग्रामच्या पाचव्या पर्वात आयआयटी मद्रास विजयी

मुंबई (प्रतिनिधी) : भारतामधील सर्वात मोठा आणि विश्वसनीय कंझ्युमर इलेक्ट्रॉनिक्स ब्रॅण्ड, सॅमसंगने भारतामधील सर्वोत्कृष्ट २० इन्स्टिट्यूटमधील ५,२००हून अधिक विद्यार्थ्यांसह तीच्या पॅन-इंडिया कॅम्पस प्रोग्राम सॅमसंग ईडीजीईच्या पाचव्या एडिशनचा निकाल जाहीर केला. अंतिम फेरीत विजेत्या आयआयटी मद्रासमधील सिक्रेट सोसायटी या टीममध्ये गुहान नारायणन, मुकुंद खंडेलवाल आणि रिशभा जैन यांचा समावेश होता. दिल्ली येथील प्रवेगा या टीमने दुसरे तर जमशेदपुर येथील माफिया या टीमने तिसरे स्थान पटकावले. या व्हर्च्युअल प्रसंगी सॅमसंगचे अध्यक्ष आणि सीईओ केन कांग आणि सॅमसंग इंडियाचे इतर वरिष्ठ अधिकारी उपस्थित होते.

Date: 6th December 2020

Media: The Economic Times

Edition: Online

Journalist: Sreeradha Basu, Prachi Verma

Professor: Prof. C. S Shankar Ram

Headline: Startups and e-commerce companies up their hiring from Indian Institutes of Technology

URL: <https://economictimes.indiatimes.com/jobs/startups-and-ecommerce-companies-up-their-hiring-from-indian-institutes-of-technology/articleshow/79588946.cms>

In a year hit by the pandemic, startups and ecommerce companies are upping their hiring from Indian Institutes of Technology. While some of these firms including Cohesity, Quantbox Research and MTX Group are offering top domestic and international packages, ranging from Rs 70 lakh to Rs 1.48 crore, first timers such as Adloid Technologies and Hilabs are adding to the overall hiring numbers. IITs are inviting more startups this year as they feel that overall hiring numbers per recruiter may get impacted, placement members at various IITs told ET. Top ecommerce players Flipkart and Amazon are, meanwhile, visiting most IITs this season. "Our hiring numbers from IITs will double from last year," a Flipkart spokesperson told ET. The company intends to hire 180 engineers this year, of which 80 would be from IITs. Amazon is doing more campus recruitments this time than previous years, it had said recently. Ed-tech, artificial intelligence, machine learning and healthcare startups are among the most aggressive this placement season, campus placement cells at IITs said. These companies include unicorns like Zomato, Vedantu, Udaan and Byju's, some of which are making their debut at IITs. The highest domestic salary at IIT-Roorkee, about Rs 80 lakh a year, was made by Quantbox Research, a placement member at the institute told ET. The number of startups registered to visit the campus has gone up to 60 from over 50 last year. At IIT-Madras, as many as 71 startups are scheduled to visit for placements, compared with 51 last year. "We have invited a good number of companies including startups," said CS Shankar Ram, adviser-training & placement. IIT-Kanpur has invited 50 startups this year. The top recruiters there include Quantbox, Graviton, Zomato and Cohesity. Cohesity has offered the top international offer, \$200,000 a year, at some IITs, including Kanpur. Adloid Technologies, Dream11, Qure.ai, Hilabs, i-cube Industries and observe.ai are among the first-timers at most IITs.

Date: 7th December 2020

Media: The Times of India-Education Times (clip attached)

Edition: New Delhi / Ahmedabad / Kolkata

Page No: 9

Journalist: Puniti Pandey

Professor: Prof. C. S Shankar Ram

Headline: Record Placements across institutes despite pandemic

URL: <https://www.educationtimes.com/article/job-trends-market-mantra/79582511/find-out-why-despite-pandemic-placement-season-was-not-dull-at-these-institutes>

Record placements across institutes despite pandemic

Students are getting job offers from companies trying to revamp amid COVID-19

c-Puniti.Pandey
@timesgroup.com

The placement drive for the final year graduates have begun at most institutes for students who will pass out in 2021. Despite the pandemic and the subsequent economic slowdown, the universities and institutes are not experiencing any decline in the number of recruiters or packages.

IIT Madras set the record for the highest number of placements on the first day of campus recruitment. A total of 123 offers were made by 22 companies during the first session of the placement as against 102 offers made by 20 companies at the end of the first session in 2019-20.

"The hiring this year has been the highest in any of the preceding academic years," says CS Shankar Ram, advisor, Training and Placement, IIT Madras. The big recruiters of this year's first session include Microsoft, Texas Instruments, Bajaj Auto, ISRO, Alphonso, and Qualcomm.

At IIT Roorkee, the CTC has exceeded from the previous academic years. The highest domestic CTC was Rs 60 lakh in the previous session while it is Rs 80 lakh



PHOTO FOR REPRESENTATION

this year. Around 107 companies including Accenture Japan, Axis Bank, HiLabs, Icertis, Oil India Ltd have participated in the process so far. "The institutes are receiving increased offers this year despite the pandemic as there are several sectors that are growing and are trying to revamp, says Vinay Sharma, professor in-charge, Placement and Internship, IIT Roorkee. Best human resource is required in both cases along with skilled manpower to function and devise strategies for better growth during the trying times. Students of IIT have been consistently performing well and are regar-

ded as a human resource par excellence, he adds. At IIT BHU, 30 companies have visited the campus for recruitment so far offering 217 jobs with annual CTC ranging from Rs 11,50,000 to Rs 64,26,578 per annum. Last year, the CTC was Rs 58.21 lakh to Rs 10 lakh per annum.

Private engineering colleges witnessed a rise in hiring in the technology sector and students from Computer Science, Software Engineering, Cloud Computing, Data Analytics and Electronic Engineering are in demand. The pandemic has affected everybody including most businesses and several companies have kept their hiring

plans on hold or have cancelled it. But there are also several companies, especially on the technology front, where the hiring requirement has increased. The combined average package so far for MBA is Rs 7.32 lakh at JK Lakshmi-pat University (JKLU) while that for engineering is Rs 4.5 lakh," says RL Raina, vice chancellor, JKLU, Jaipur.

"Students with specialisation in Cloud Computing, Cyber Security, AI and ML, Robotics Process Automation, Data Science especially healthcare analytics are getting better starting salaries this year," says Saravanan Balasubrahmanyam, head, Placements, Sona College of Technology. There is hardly any impact on the placements due to pandemic and economic slowdown, says ST Jothi Basu, manager, Placement Career Development Centre, SSN College of Engineering, Chennai. "Placement at SSN has seen phenomenal growth during the pandemic period. Over 150 companies including a few core companies have completed virtual placement drives and about 20% of the eligible students at SSN have received offers of Rs 10 lakh and above during this period," he adds.

Date: 7th December 2020

Media: Business Standard (clip attached)

Edition: Ahmedabad / Bangalore / Chennai / Hyderabad / Mumbai / New Delhi

Page No: 3

Journalist: Vinay Umarji

Headline: IITs see a rise in domestic salaries

URL: https://www.business-standard.com/article/education/not-just-international-iits-see-rise-in-domestic-pay-packages-too-120120600742_1.html

IITs see rise in domestic salaries

VINAY UMARJI

Ahmedabad, 6 December

Not just international, even domestic packages have also seen a jump at the ongoing first phase of final placements process at the IITs this year.

IIT Roorkee has so far seen the highest domestic salary rise by 33.3 per cent to stand at ₹80 lakh so far, up from ₹60 lakh last year. Moreover, international offers that stood at seven by the third day since the start of placements. The annual recruitment drive at IITs began on December 1, with the first phase likely to be concluded soon at most of the campuses. On the other hand, IIT Guwahati has attracted the highest domestic package of ₹70 lakh. This stands higher by nearly 35 per cent from last year's ₹52 lakh.

In terms of international offers, Dutch firm Optiver has

so far made the highest international offer of €157,000 or ₹1.39 crore per annum at IIT Bombay, followed by Sony Japan (₹1.14 crore per annum), Honda (R&D) Japan (₹57.85 lakh), Taiwan Semiconductor Manufacturing Company (₹53.52 lakh), Qualcomm (₹46.41 lakhs/annum), WorldQuant (₹39.70 lakh/annum), Morgan Stanley (₹37.25 lakh/annum), Uber (₹ 35.38 lakh/annum), and NEC Japan (₹34.73 lakh).

Till the third day of final placements process, IIT Roorkee had seen around 107 firms making total 484 offers including pre-placement offers (PPOs). Top recruiters at IIT Roorkee this year included Accenture

Japan, Axis Bank, Adlroid, Clumio, DG TAKANO, Dgraph, Eaton, HiLabs, Icertis, Navi, Oil India, Praxis Global Alliance, Paytm, Publicis Sapient, Rupeek, Sapient, Standard Chartered, Udaan, and ZS Associates India.

IIT-G attracted the highest domestic package of ₹70 lakh. This stands higher by nearly 35 per cent from last year's ₹52 lakh

By Day 2, IIT-G saw 353 job offers being made, apart from 133 PPOs with a highest domestic offer of ₹70 lakh.

There are around 1100 students registered for placements. IIT Guwahati saw four international offers being made.

Companies like Google, Microsoft, Goldman Sachs, Qualcomm, Texas Instruments, Adobe, Oracle, Walmart, Bajaj, American Express, Uber, Accenture Japan, MTX, PhonePe,

Jaguar, Mercedes, JP Morgan, Amazon, SAP, Cisco, EXL, Intel, Sprinklr, Cleartax, Axis Bank, SocGen, Flipkart and many more have participated in the placement process so far at IIT Guwahati.

IIT Madras had also seen around 43 companies making 141 offers by second day of the process even as the recruitment drive continues at the campus. Meanwhile, at IIT Delhi, over 300 national and international firms offering more than 500 job profiles across multiple sectors have registered for hiring students this year.

By the end of first day of first phase of final placements, IIT Delhi students bagged over 300 placement offers including pre-placement offers (PPOs) with many bagging multiple offers.

Around 150 PPOs (including international locations) have been received.

Date: 7th December 2020

Media: The New Indian Express (clip attached)

Edition: Chennai

Page No: 2

Journalist: Sushmitha Ramakrishnan

Headline: This 'online' connection will not fail and is here to stay...

URL: <https://www.newindianexpress.com/cities/chennai/2020/dec/07/this-online-connection-will-not-fail-and-is-here-to-stay-2232723.html>

The pandemic has us given a taste of the new normal. At a time when schools and colleges are reverting to the old system, online classes particularly in engineering, higher education and placement opportunities is here to stay, say faculties of educational institutions and students.

Online conferences are becoming an affordable alternative for many institutions. "We have tracked down many alumni who are abroad and have arranged for them to speak with students. Earlier when we had a conference, we had to invite speakers and pay for their travel.

So inviting a speaker from abroad was a costly affair," says Sai Prakash Leo Muthu, CEO, Sairam Institutions, adding that sharing knowledge has become very easy with the effective use of technology.

While virtual classes, seminars and conferences have given students a broader exposure and chances to network with field experts, it has limitations too.

He says that colleges and laboratories are the only place students can get hands-on training, "This is a barrier we have to cross." G Maheswaran, an associate professor from Chennai Institute of Technology says that using online tools has given students a dynamic understanding of engineering.

"We got all students enrolled into virtual labs available so that students do not lose out on the experimenting experience. They can submit their records and observations online. But, the tools are limited for senior students who ought to perform more complex projects." An associate professor from an engineering college in Anna Nagar says that virtual placements have given students a better chance this year. He says, "Companies have come up with novel ways to recruit students. The experience is no different from in-person placements."

Survey by IIT-M alumni

As many as 92 per cent of respondents of a survey conducted by the alumni of IIT-Madras alumni association stated that remote working is here to stay and 69 per cent believe that it is going to be the case with education as well.

The survey was conducted as part of the association's annual conference Sangam 2020, in which more than half of the 1,564 respondents were alumni of the IIT. IIT-M campus placements were held online and a total of 123 offers were made by 22 companies during first day's session 1.1.

Date: 7th December 2020

Media: Tech Gig

Edition: Online

Journalist: NA

Headline: Salary bonanza: IIT Kanpur student bags Rs 1.47 crore package

URL: <https://content.techgig.com/salary-bonanza-iit-kanpur-student-bags-rs-1-47-crore-package/articleshow/79595831.cms>

Despite the campus placement rate coming down at the IITs, the Indian Institute of Technology (IIT) Kanpur student has bagged a handsome salary package of Rs 1.47 crore per annum. On the first day of the placement season, IIT Kanpur has closed 226 offers.

One student has bagged Rs 1.47 crore per annum by one of the MNC. An Indian company has offered the highest Rs 82 lakh annual package to a student. The sources suggest that there is a drop in the number of companies which visited the campus. Only 230 companies visited IIT Kanpur campus this year as compared to 300 last year.

The placement season at IIT Kanpur started on December 1. There is no change in the USD packages offered by MNCs. The domestic industries have reported a significant salary hike to woo aspirants. This year, the highest package offered by domestic company is Rs 82 lakh.

The official from IIT Kanpur shared with The Times of India that, "We were a little apprehensive because of the Covid-19 pandemic but the results of the placement drive have been quite encouraging."

Several other IITs have done well in the first few days of the placement season. IIT Madras (IIT-M) has reported an uptick in job offers. The institute has beat the Covid blue with 123 job offers made by 22 companies during the first day of placement season. The top recruiters at IIT Madras include Microsoft, Texas Instruments, Bajaj Auto, ISRO, and Alphonso Inc.

Date: 8th December 2020

Media: ET Now

Edition: Electronic

Journalist: Chandra Srikanth

Headline: Startups & internet companies, especially e-commerce, have upped the ante when it comes to hiring in IIMs & IITs this year

URL: <https://twitter.com/ETNOWlive/status/1336309181557555201> (01:41- 01:43)



STARTUP CENTRAL **STARTUPS UP THE ANTE AT HIRING**
CAMPUS PLACEMENTS: STARTUP SPECIAL

PLACEMENT SEASON AT IITs
Startups Recruit

- IIT Madras—71 startups registered for recruitment in the 2020–21

ET NOW

Date: 10th December 2020

Media: The Times of India (clip attached)

Edition: Chennai / Mumbai

Page No: 9

Journalist: Hemali Chhopia and Yogita Rao

Headline: First phase of IIT placements sees just two job offers with American profile

URL: <https://timesofindia.indiatimes.com/city/mumbai/first-phase-of-iit-placements-sees-just-two-job-offers-with-american-profile/articleshow/79652982.cms>

Only 2 US job offers in IIT placements phase 1

**Hemali Chhopia &
Yogita Rao | TNN**

Mumbai: An old adage goes: "One leg of an IITian is in India, the other in Air India", referring to the pull of jobs in America. This year though, many of India's blue chip tech colleges do not have a single US offer. Last year's leading recruiters, such as Microsoft and Uber, picked students only for Indian profiles. As the first week of placements 2020 comes to a close, the fewer international roles, already on the wane over the last few years, came mostly from Taiwan, Japan and Singapore.

While American firms participated in the process, conducted the hiring drill of taking tests and holding interviews, placements offices are unclear about their decision with companies such as



ON THE WANE

Microsoft not declaring their final list of candidates for the Redmond campus. IITs in Madras, Kharagpur, Guwahati, and Hyderabad, confirmed that there was not a single offer from the US thus far. One US offer was made to a student in IIT Bombay and one to another in Kanpur.

While the IITs recorded two offers from USA, those from Singapore, Japan and Taiwan ruled the placement 2020's phase 1. IIT Madras, which saw 14 international offers being accepted, had five from Japan, six from Singa-

pore, three from Taiwan. Similarly, at IIT Guwahati, six offers were from Japan and one from Singapore. IIT Delhi had 15-plus international offers, but the institute refused to divulge the countries or companies that made these offers. At IIT Hyderabad, students received 30 international offers from two countries: Japan and Taiwan.

"The slow economy, visa policies and the pandemic are some of the reasons for declining jobs in the US. Also, this year, with the pandemic, many software firms have adapted to the work-from-home format, which may not be extended for profiles with larger pay packets. They would want to wait for some time," said a student representative. Several Japanese and Taiwanese firms are hiring from the campus this year.

Date: 10th December 2020

Media: MSN

Edition: Online

Journalist: Hemali Chhappia and Yogita Rao

Headline: First phase of IIT placements sees just two job offers with American profile

URL: <https://www.msn.com/en-in/news/trendingtopics/first-phase-of-iit-placements-sees-just-two-job-offers-with-american-profile/ar-BB1bN8h3>

An old adage goes: "One leg of an IITian is in India, the other in Air India", referring to the pull of jobs in America. This year though, many of India's blue chip tech colleges do not have a single US offer. Last year's leading recruiters, such as Microsoft and Uber, picked students only for Indian profiles. As the first week of placements 2020 comes to a close, the fewer international roles, already on the wane over the last few years, came mostly from Taiwan, Japan and Singapore.

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At IIT-Bombay, US profiles were offered only by two firms — Cohesity and HiLabs. After the placement interviews, however, the IT giant Cohesity picked students only for Indian roles, and HiLabs picked one student for the US profile. "The slow economy, visa policies and the pandemic are some of the reasons for declining jobs in the US. Also, this year, with the pandemic, many software firms have adapted to the work-from-home format, which may not be extended for profiles with larger pay packets. They would want to wait for some time," said a student representative.

A professor in-charge from one of the older IITs said that firms that usually offer US roles probably wanted to wait for five to six months to see how the pandemic plays out. "Some of the firms have not declared US offers, despite the interviews. There is a possibility that they would offer Indian roles and convert it at a later stage. Anyway, the batch has six months to graduate," said the professor, adding that travelling anywhere in the world could be a problem for international roles in this pandemic.

Date: 10th December 2020

Media: Business Standard (clip attached)

Edition: Ahmedabad / Bangalore / Chennai / Mumbai / New Delhi /

Page No: 16

Journalist: Vinay Umerji

Professor: Prof. C S Shankar Ram

Headline: Second-generation institutes keep up good show amid pandemic

URL: https://www.business-standard.com/article/education/iit-placements-second-generation-institutes-keep-up-good-show-amid-covid-120120901381_1.html

IIT PLACEMENTS

Second-generation institutes keep up good show amid pandemic

VINAY UMARJI

Ahmedabad, 9 December

The bounty of more jobs and better offers in a calamitous year has extended to the newer Indian Institutes of Technologies (IITs), allaying fears of a washout during placements as a result of Covid-19.

Some of the second-generation IITs that *Business Standard* spoke with have seen more job offers from the start of the first phase of final placements to date than compared to the previous year. Of the 23 institutes, seven are known as older IITs, followed by nine second-generation ones set up roughly a decade ago, and seven third-generation IITs that came up 2015-16 onwards.

IIT Patna, for instance, had placed 200 students hired by 106 recruiters throughout the placement season last year. Yet, this year it has already placed nearly 50 per cent students with a bigger batch size of 250. One of its B.Tech student has also bagged the highest domestic offer of ₹47 lakh per annum (lpa) from DE Shaw.

"Moreover, in the computer science department, we have seen over 70 per cent students getting placed already. From single digits last year, this year 17 students have received packages of above ₹30 lakh which is higher than last year. The pandemic has had an impact on core sector hiring, which we believe might pick up later in January 2021. IT and consulting jobs have made up for the deficit," said an official at IIT Patna.

Similarly, IIT Ropar had placed 90 of the 115 students by February in the previous season. This year, it has placed 100 students from a batch of 215.

"The newer IITs usually start the placement process a bit earlier. However, due to the pandemic instead of the usual September, we could start by October-November. Yet, this year we have already placed nearly 50 per cent of the batch," S K Das, director of IIT Ropar,



Raining jobs

► IIT Patna has already placed nearly 50% of the 250 batch; last year, IIT Patna had placed 200 over the entire season

► IIT Ropar placed 90 of 115 by end of placement season last year; this year, it has placed 100 students so far

► IIT Guwahati placed 604 students in first eight days of placements this year; its first phase numbers were 613 in 2019-20 and 563 in 2018-19

told *Business Standard*.

The trend will improve as after the IT companies, core firms will follow suit in the second phase starting January, he added.

This does not mean there has been no impact of the pandemic. Participation of core manufacturing firms and international firms, especially from the US and Europe, has been lower so far. Also, some of the older IITs too have seen some impact on offers in the first phase though the placement scenario is expected to improve.

At IIT Guwahati, 604 students have been placed in the first eight days of the ongoing process. This is lower than the first phase numbers of 2019-20 (613) but

higher than in 2018-19 (563).

"Due to the pandemic, we saw higher participation from companies in software, cloud computing, modern health care, data science, banking and finance. Also, IT/software, finance, health care and data science have participated more this year. However, we saw a slight decrease in the core engineering sector," said Abhishek Kumar, head, Centre for Career Development, IIT Guwahati.

IIT Kharagpur bagged more than 1,000 offers on phase-I placements for 2020-21. Until the eighth day of the current session it drew an average salary of nearly ₹19 lpa. At the close of day one, it had received 400-plus offers. By the fifth day, it had 900 offers.

Similarly, at IIT Madras where the first phase of the final leg is on, so 616 students have been placed as against 776 in 2018-19 and 735 in 2019-20.

There was a delay in registration by regular recruiters and also a corresponding drop in the number of offers from a few of them, said C S Shankar Ram, advisor, training and placement, IIT Madras.

"We infer their recruiting plans would have been impacted by Covid-19. However, more companies have begun approaching us in the past few days, and we are optimistic about more offers into the second phase."

This year, IITs took preemptive measures such as inviting more recruiters or holding virtual webinars with them over an extended period. According to Kumar of IIT Guwahati, the institute had been trying to communicate with "more recruiters" as compared to last year. IIT Patna, on the other hand, is "collaborating with new industry", apart from organising HR talk with students regularly.

At IIT Madras, the placement team developed a standard operating procedure for online interviews and shared it with students. It is also reaching out to students, who report issues with the online process, as and when necessary. "We have also reached out to more companies including start-ups, and hope to get more offers from them in the coming days," added Shankar.

Date: 9th December 2020

Media: The Times of India

Edition: Online

Journalist: A Ragu Raman

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj

Headline: IIT-Madras first ever online degree programme: Working professionals constitute 20% of candidates who got admission

URL: <https://timesofindia.indiatimes.com/city/chennai/iit-madras-first-ever-online-degree-programme-working-professionals-constitute-20-of-candidates-who-got-admission/articleshow/79643713.cms>

As many as 8,154 students, including 1,922 were female candidates, enrolled in the first ever online degree programme --BSc in programming and data science -- offered by IIT-Madras. The course begins in January 2021.As many as 1,666 (20%) of the 8,154 candidates who got admission are working professionals from IT, banking, manufacturing, finance, law, healthcare, marketing and other sectors.A total of 1,593 learners were from arts, science and commerce backgrounds while 3,450 had an engineering background.A total of 30,276 candidates had applied for the first qualifier process. They were given access to the first month online classes of the programme.

Only learners with a minimum required average assignment scores in all four courses were eligible to appear for the in-person invigilated qualifier exam. A total of 20,396 learners were eligible to write the qualifier exam, which was conducted on November 22 and after which 8,154 students qualified for admissions."IIT-Madras is happy to welcome the first batch of students to the foundation level of BSc degree programme. IIT-Madras is doing everything possible to give a great learning experience to the students. The courses are delivered through a state-of-the-art online portal. Students are given the opportunity to participate in live sessions to clarify their doubts. The exams are conducted in-person so that the academic rigor of the programme is maintained," said Bhaskar Ramamurthi, director of IIT-Madras, said in a release. What type of working professional are these?sanujit Andrew Thangaraj, professor incharge, IIT-Madras online degree programme, said the programme gives a lot of flexibility to students to learn at their own pace. "There are three different stages in this programme - foundation, diploma and degree. Students can choose their own pace while registering for courses and, upon completion, receive a certificate, diploma or a degree at various exit points from IIT-Madras," he said.Further, IIT-Madras said students can apply for the second qualifier process for the course and the last date to apply is February 6.

Date: 9th December 2020

Media: Hindustan Times

Edition: Online

Journalist: Akhilesh Nagari

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj

Headline: IIT Madras admits 8,154 students in first batch of online BSc Degree in Programming and Data Science

URL: <https://www.hindustantimes.com/education/iit-madras-admits-8-154-students-in-first-batch-of-online-bsc-degree-in-programming-and-data-science/story-EVr95rh2hBM7Bud4o4PudM.html>

The Indian Institute of Technology Madras (IIT Madras) has admitting a total of 8,154 students in the first batch of its first online BSc Degree in Programming and Data Science.

According to a press release issued by the institute, the selected students can enrol for the foundational level courses, which will be offered from January 2021. Out of 8,154 students, 1,922 are female candidates and 6,232 are male candidates.

As many as 1,593 students are from Arts, Science and Commerce background while 3,450 are from an engineering background.

The institute has started the second qualifier process. Interested students can apply online by filling up the application forms available at <https://www.onlinedegree.iitm.ac.in> along with requisite documents and a registration fee of Rs 3,000. The last date to apply is February 6, 2021.

Congratulating the selected students, Mr Bhaskar Ramamurthi, Director, IIT Madras said, "The courses are delivered through a state-of-the-art online portal. Students are given the opportunity to participate in live sessions to clarify their doubts. The exams are conducted in-person so that the academic rigor of the program is maintained".

Explaining more about the course, Mr Andrew Thangaraj, professor in-charge, IIT Madras online degree programme, said, "There are three different stages in this program - Foundation, Diploma and Degree. Students can choose their own pace while registering for courses and, upon completion, receive a Certificate, Diploma or a Degree at various exit points from IIT Madras."

Date: 9th December 2020

Media: The Indian Express

Edition: Online

Journalist: NA

Professor: Prof. Prathap Haridoss

Headline: Over 8K apply for IIT-Madras' first online BSc in programming and data science

URL: <https://indianexpress.com/article/education/over-8k-apply-for-iit-madras-first-online-bsc-in-programming-data-science-applications-open-for-second-7097846/>

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Date: 9th December 2020

Media: The New Indian Express- EDEX

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj, Prof. Prathap Haridoss

Headline: IIT Madras starts online BSc in Programming and Data Science for Arts students. Here's how you can apply for second intake

URL: <https://www.edexlive.com/campus/2020/dec/09/iit-madras-starts-online-bsc-in-programming-and-data-science-for-arts-students-heres-how-you-can-a-16487.html>

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Date: 9th December 2020

Media: NDTV- Education

Edition: Online

Journalist: Bhoomika Aggarwal

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj

Headline: IIT Madras Admits 8,154 Students In First Batch Of Online BSc Programme; Application Opens For Second Round

URL: <https://www.ndtv.com/education/iit-madras-admits-8154-students-in-first-batch-of-online-bsc-programme-application-opens-for-second-round>

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Date: 9th December 2020

Media: Rajasthan Patrika

Edition: Online

Journalist: Santosh Tiwari

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj

Headline: प्रोग्रामिंग और डेटा साइंस में ऑनलाइन बी.एससी. डिग्री प्रोग्राम (IIT Madras admits the first batch of students its first-even online degree)

URL: <https://www.patrika.com/chennai-news/iit-madras-admits-the-first-batch-of-students-to-its-first-ever-online-6564485/>

भारतीय ौोगक संथान मास (आईआईट मास) ने ोामग और डेटा साइंस म नया का पहला ऑनलाइन बी.एससी. डी ोाम शु कया है। पहले बैच म कुल 8,154 वाथय को दाखला दया जा रहा है। ये वाथ फाउंडेशन तर के कोस म नामांकन करा सकते ह, जो जनवरी 2021 से शु होगा। कुल 8,154 उमीदवार म 1,922 छाए और 6,232 छा ह। वभन आयु और शैक ं पृभूम के शाथय ने वेश परीा के लए आवेदन कए। इनम 1,593 कला, वान और वाणय पृभूम के ह जबक 3,450 उमीदवार इंजीनयरग पृभूम के ह। खबर शानदार □ बदला, रतोगी क जगह एमजे का चयन Bhilai 3 hours ago . यहां अनूठ ई नववष क शुआत Bassi 3 hours ago . सूने मकान से 12 लाख का माल साफ चलती ई कार अचानक बन गई रोबोट, वीडयो देखकर आंख पर नह होगा यकन □ □ 6 /12 □ □ इंडया उमीद राय मनोरंजन खेल व शा ऑटोमोबाइल गैजेट बजनेस वाय धम/योतष पकायन वीडयो तवीर शोक सदेश EPAPE हमारी वेबसाइट पर कंटट का योग जारी रखकर आप हमारी गोपनीयता नीत और कूकज नीत से सहमत होते ह। OK - ोामिंग और डेटा साइंस मऑनलाइन बी.एससी. िडी ोाम | इस पहली वेश परीा के लए कुल 30,276 उमीदवार ने आवेदन कए। उह ोाम के पहले महीने के ऑनलाइन लास क सुवधा द गई। वाथय को सीखने म सहायता के लए खास तौर से तैयार कंटट सपोट टम ने लगभग 400 घंटे के लाइव सेशन आयोजत कए। वाथय के लए यह जीवंत और लाइव सीखने का अनोखा अनुभव था, येक कोस के डकशन फोरम म 2000 से अधिक सू थे। आईआईट मास के नदेशक ो. भाकर राममूत ने चुने ए वाथय को बधाई देते ए कहा, म वेश परीा म सफल सभी उमीदवार को बधाई देता ं। आईआईट मास बी.एससी. डी ोाम के फाउंडेशन तर के वाथय के पहले बैच का सहष वागत करता है और उह सीखने का बेहतरीन अनुभव देने क हर संभव कोशश करेगा। ये कोस अयाधुनक ऑनलाइन पोटल के मायम से संचालत कए जाएगे। वाथय क ं े शंका समाधान के लए लाइव सेशन हगे। हालांक परीाए गत तर ं पर हगी ताक कोस का कठन शा तर कायम रहे। नरीक के सामने गत वेश परीा म केवल वे उमीदावार योय थे जहने सभी चार कोस म औसत यूनतम एसाइनमट कोर हासल कए। 22 नवंबर 2020 को आयोजत वेश परीा के लए कुल 20,396 उमीदवार योय पाए गए। चार सताह के दौरान अभूतपूर्व परंतु गहन शण सामी, तीन दलचप असाइनमट और एक जांच परीा के साथ वेश परीा सपन ई। कोस म दाखले क घोषणा के बारे म बताते ए आईआईट मास ऑनलाइन डी ोाम के भारी ाचाय ो. एयू थंगराज ने कहा इस ोाम म वाथ को अपनी गत से सीखने क सुवधा है। ोाम ं के तीन अलग-अलग चरण ह-फाउंडेशन, डलोमा और डी। नए ोाम क खास वशेषता यह है क इसक वेश परीा म भावी वाथय के शण का भी ावधान कया गया है! अब हर एक इछुक वाथ का आईआईट म पढ़ने का सपना सच होगा जब तक इस े म पढ़ने म उसक च बनी रहे और वह ोाम के तहत परम करने के लए तैयार रहे।

Date: 9th December 2020

Media: The Hindu- Tamil

Edition: Online

Journalist: NA

Headline: முதன்முதலாக ஆன்லைன் பிஎஸ்சி படிப்பு: ஐஐடி சென்னையில் படிக்க 8,154 மாணவர்கள் தேர்வு (First of its kind online B.Sc. degree: 8,154 students selected for IIT Madras)

URL: <https://www.hindutamil.in/news/vetrikodi/news/609854-iit-madras-admits-the-first-batch-of-students-to-its-first-ever-online-bsc-degree.html>

ஐஐடி சென்னையில் நிரலாக்க மற்றும் தரவு அறிவியல் பிரிவில் முதல் முறையாக ஆன்லைன் பிஎஸ்சி படிப்பில் சேர 8,154 மாணவர்கள் தேர்வு செய்யப்பட்டுள்ளனர்.

ஐஐடியில் பட்டப்படிப்பு பயில ஜேஇஇ என்ற தேசிய அளவிலான நுழைவுத் தேர்வை மாணவர்கள் எழுத வேண்டும். ஆனால், தற்போதைய பிஎஸ்சி இணையவழிப் பட்டப்படிப்புக்கு ஜேஇஇ தேர்வு எழுத வேண்டியதில்லை.

இந்த இணையவழி பட்டப்படிப்பானது, அடிப்படைப் பட்டம், டிப்ளமோ பட்டம், இளநிலைப் பட்டப்படிப்பு என மூன்று நிலைகளைக் கொண்டுள்ளது. அதாவது, மூன்று நிலைகளில் எந்தக் கட்டத்திலும் மாணவர்கள் வெளியேறி, அதற்கான சான்றிதழைப் பெற்றுக் கொள்ளலாம்.

இந்நிலையில் இந்தியா முழுவதும் பல்வேறு படிப்புகளை முடித்த 8,154 மாணவர்கள் ஆன்லைன் பிஎஸ்சி படிப்பில் சேரத் தேர்வு செய்யப்பட்டுள்ளனர். இதில் கலை, அறிவியல், பொறியியல் மற்றும் வணிகவியல் பயின்ற 1,593 மாணவர்களும் அடங்குவர். இந்த மாணவர்கள் ஜனவரி 2021 முதல் வழங்கப்பட இருக்கும் அடிப்படைப் பட்டப் படிப்பில் சேர்ந்து கொள்ளலாம்.

இதில் முதல்கட்டத் தேர்வு முறைக்கு மொத்தம் 30,276 மாணவர்கள் விண்ணப்பித்தனர். அவர்களுக்கு 4 பாடங்களில் (கணிதம், ஆங்கிலம், புள்ளிவிவரம் மற்றும் கணக்கீட்டுச் சிந்தனை) 4 வாரப் பாடநெறி உள்ளடக்கம் உடனடியாக அனுப்பி வைக்கப்பட்டன. இந்த மாணவர்கள் இணையத்தில் பாட விரிவுரைகளைக் கற்பதுடன், இணையத்தின் வாயிலாகவே தங்கள் கல்விப் பணிகளைச் சமர்ப்பித்தனர்.

4 வாரங்களின் முடிவில் தகுதித் தேர்வை எழுதினர். 50 சதவீதத் தேர்ச்சியுடன் தகுதித் தேர்வில் தேர்ச்சி பெற்ற 20,396 மாணவர்கள் இரண்டாம் கட்டத் தேர்வை எழுதத் தகுதி பெற்றனர். கடந்த நவம்பர் 22-ம் தேதி தேர்வு நடைபெற்றது. இதிலிருந்து தற்போது 8,154 மாணவர்கள் பிஎஸ்சி அடிப்படைப் பட்டப் படிப்புக்குத் தேர்வு செய்யப்பட்டுள்ளனர்.

இவர்கள் அனைவரும் ஐஐடி சென்னை நடத்தும் ஆன்லைன் பிஎஸ்சி படிப்பை ஜனவரி மாதத்தில் படிக்கத் தொடங்குவர்.

Date: 9th December 2020

Media: Dinamalar

Edition: Online

Journalist: NA

Headline: ஐ.ஐ.டி.,யில் பி.எஸ்சி., படிப்பு 8,000 பேர் 'அட்மிஷன்' (B.Sc Courseat IIT, 8,000 gain 'admission')

URL: https://www.dinamalar.com/news_detail.asp?id=2668150

சென்னை:நாட்டில் முதன் முறையாக, சென்னை ஐ.ஐ.டி.,யில் அறிமுகம் செய்யப்பட்டுள்ள, பி.எஸ்சி., 'ஆன்லைன்' படிப்பில், 8,000 பேர் சேர்க்கப்பட்டுள்ளனர்.

கணினி தொழில்நுட்பம் மிகப்பெரிய வளர்ச்சியை எட்டியுள்ள நிலையில், அதில் விருப்பம் உள்ளவர்களுக்கு, 'டேட்டா சயின்ஸ்' என்ற பெயரில், பி.எஸ்சி., பட்டப்படிப்பை, சென்னை ஐ.ஐ.டி., அறிமுகம் செய்துள்ளது. முழுதும் ஆன்லைன் வழியே நடத்தப்படும் இந்த படிப்பானது, பல்வேறு கட்டங்களாக அமைக்கப்பட்டு உள்ளன.அடிப்படை படிப்பு, டிப்ளமா மற்றும் பட்டப்படிப்பு என, மூன்று கட்டங்களாக மாணவர்கள் சேர்க்கப்பட்டு, அவர்களுக்கு, ஆன்லைன் வழியே, 'வீடியோ' பாடங்கள் நடத்தப்படுகின்றன.

இந்த படிப்பில், முதலாம் ஆண்டு ஆன்லைன் பதிவு முடிந்துள்ளது. இதில், பல்வேறு தனியார் நிறுவனங்களில் பணியாற்றும், 8,154 பேர் சேர்க்கப்பட்டுள்ளனர். நாடு முழுதும் இருந்து, 1,922 பெண்கள், இந்த படிப்பில் சேர்ந்துள்ளனர்.

இந்த படிப்புக்கு மொத்தம், 30 ஆயிரம் பேர் விண்ணப்பித்து இருந்தனர். அவர்களில், 8,154 பேர் மட்டும் தகுதி சுற்றில் தேர்வு பெற்றுள்ளனர். தகுதி பெற்றவர்களில், 3,450 பேர் இன்ஜி., படிப்பையும், 1,593 பேர் கலை, அறிவியல் படிப்பையும் பின்னணியாக கொண்டவர்கள். இந்த படிப்பு குறித்த தகவல்களை, www.onlinedegree.iitm.ac.in என்ற இணைய தளத்தில் தெரிந்து கொள்ளலாம்.

Date: December 2020

Media: Dinamani

Edition: Online

Journalist: NA

Headline: ஐஐடி சென்னையில் முதல் முறையாக இணையவழியில் பி.எஸ்சி. படிப்பு (For the first time, IIT Madras offers online B.Sc. degree)

URL: <https://www.dinamani.com/all-editions/edition-chennai/chennai/2020/dec/10/bsc-online-for-the-first-time-at-iit-chennai-3520460.html>

ெசைன: ஐஐ ெசைனய நரலாக ம தர அறவய பரிவ த ைறயாக ைஆல பஎச பப ேசர 8,154 மாணவர்க ேதர் ெசயபளனர். ஐஐய படப பயல ேஜஇஇ ெற ேதசய அளவலான ைழ ேதர்வ மாணவர்க எத ேவ. ஆனா, தேபாைதய பஎச ைஇணயவழி படப ேஜஇஇ ேதர் எத ேவயதைல. இது ைஇணயவழி படபபான, அபைட பட, ெளமா பட, இளநைல படப என நைலகைள ெகாள. அதாவ, நைலகளி எத கடத மாணவர்க ெவளிேயற, அதகான சாறதைழ ெப ெகாளலா. இதுநைலய இதயா வ ெபை பகைள த 8,154 மாணவர்க ைஆல பஎச பப ேசர ேதர் ெசயபளனர். இது கைல, அறவய, ெபாறயய ம வணிகவய பயற 1,593 மாணவர்க அடவர். இது மாணவர்க ஜனவரி 2021 த வழகபட இ அபைட பட பப ேசர் ெகாளலா. இது தகட ேதர் ெற ெமாத 30,276 மாணவர்க வணபதனர். அவர்க 4 பாடகளி (கணித, ஆகல, ெளிவவர ம கணகீ சதைன) 4 வார பாடெநற உளடக உடனயாக அப ெவகபடன. இது மாணவர்க ைஇணயத பாட வரிைரகைள கபட, ைஇணயத வாயலாகேவ தக கவ பணிகைள சமர்பதனர். 4 வாரகளி வ தது ேதர்வ எதனர். 50 சதது ேதர்சட தது ேதர்வ ேதர்ச ெபற 20,396 மாணவர்க இரடா கட ேதர்வ எத தது ெபறனர். கடது நவபர் 22-ஆ ேதது ேதர் நைடெபற. இது தேபா 8,154 மாணவர்க பஎச அபைட பட ப ேதர் ெசயபளனர். இவர்க ைஅனவ ஐஐ ெசைன நட ைஆல பஎச பைப ஜனவரி மாதது பக ெதாடவர் என ெசைன ஐஐ ெதரிவள.

Date: 9th December 2020

Media: UNI

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: IIT-Madras admits first batch students for online B.Sc prog

URL: <http://www.uniindia.com/iit-madras-admits-first-batch-students-for-online-b-sc-prog/south/news/2258261.html>

The Indian Institute of Technology (IIT) Madras admitted a total of 8,154 students in the first batch of the first online BSc degree programme in programming and data science. Of them, as many as 1,593 learners were from arts, science and commerce backgrounds while 3,450 learners were from an engineering background

The 8,154 students included 1,922 female candidates and 6,232 male candidates from across India. IIT Madras has opened applications for the second round of the qualifier process and the last date to apply is February 6, 2021.

A total of 30,276 candidates had applied for the first qualifier process. They were given access to the first month online classes of the programme.

Congratulating the selected students, Bhaskar Ramamurthi, director, IIT Madras, said, "IIT Madras is doing everything possible to give a great learning experience to the students. The courses are delivered through a state-of-the-art online portal. Students are given the opportunity to participate in LIVE sessions to clarify their doubts. The exams are conducted in-person so that the academic rigour of the program is maintained."

IIT Madras online programme admission

The institute has announced the second qualifier process, applications are open and the fee for the same is Rs. 3,000.

The fees paid will give access to four weeks of course content for the qualifier training process as well as the qualifier examination. The Last date to apply is February 6, 2021. Second Qualifier process will start in the first week of March 2021.

Speaking about the course content, Andrew Thangaraj, professor, IIT Madras, said, "Students can choose their own pace while registering for courses and, upon completion, receive a Certificate, Diploma or a Degree at various exit points from IIT Madras."

Talking about the response from the students, Prathap Haridoss, professor IIT Madras online degree programme, said, "We are glad to know that nearly 30% of the learners who have applied for the qualifier process are working professionals from IT, banking, manufacturing, finance, law, healthcare, marketing and other sectors."

Date: 9th December 2020

Media: BW Education

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj, Prof. Prathap Haridoss

Headline: IIT Madras Admits First Batch Of Students To Online BSc Degree In Programming And Data Science

URL: <http://bweduction.businessworld.in/article/IIT-Madras-Admits-First-Batch-Of-Students-To-Online-BSc-Degree-In-Programming-And-Data-Science/09-12-2020-351641/>

The Indian Institute of Technology (IIT) Madras admitted a total of 8,154 students in the first batch of the first online BSc degree programme in programming and data science. Of them, as many as 1,593 learners were from arts, science and commerce backgrounds while 3,450 learners were from an engineering background

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Date: 9th December 2020

Media: Careers360

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj, Prof. Prathap Haridoss

Headline: IIT Madras: Over 8,000 in first batch of online BSc programme

URL: <https://news.careers360.com/iit-madras-over-8000-in-first-batch-of-online-bsc-programme>

The Indian Institute of Technology (IIT) Madras admitted a total of 8,154 students in the first batch of the first online BSc degree programme in programming and data science. Of them, as many as 1,593 learners were from arts, science and commerce backgrounds while 3,450 learners were from an engineering background

The 8,154 students included 1,922 female candidates and 6,232 male candidates from across India. IIT Madras has opened applications for the second round of the qualifier process and the last date to apply is February 6, 2021.

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Date: 9th December 2020

Media: ABP Education

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj, Prof. Prathap Haridoss

Headline: IIT Madras admits first batch of students to first online BSc degree in programming and data science

URL: <https://www.abpeducation.com/news/iit-madras-admits-first-batch-of-students-to-first-online-bsc-degree-in-programming-and-data-science/cid/1205638>

The Indian Institute of Technology (IIT) Madras admitted a total of 8,154 students in the first batch of the first online BSc degree programme in programming and data science. Of them, as many as 1,593 learners were from arts, science and commerce backgrounds while 3,450 learners were from an engineering background

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Date: 9th December 2020

Media: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj, Prof. Prathap Haridoss

Headline: IIT Madras admits the first batch of students to its first-ever online BSc Degree in Programming and Data Science

URL: <https://skilloutlook.com/education/iit-madras-admits-the-first-batch-of-students-to-its-first-ever-online-bsc-degree-in-programming-and-data-science>

Indian Institute of Technology Madras (IIT Madras) is admitting a total of 8,154 students in the first batch of its world's first-ever online BSc Degree in Programming and Data Science.

These students can enrol for the foundational level courses, which will be offered from January 2021. The 8,154 students included 1,922 female candidates and 6,232 male candidates across India. Learners from various age groups and educational backgrounds applied for the qualifier. As many as 1,593 learners were from Arts, Science and Commerce background while 3,450 learners were from an engineering background.

A total of 30,276 candidates had applied for the first qualifier process. They were given access to the first month online classes of the programme. A highly qualified content support team, specifically selected for this purpose, conducted nearly 400 hours of live sessions, to support the learning process of the learners. Learners enjoyed a vibrant and lively experience – the discussion forum in each of the courses had more than 2000 threads!

Congratulating the selected students, Prof. Bhaskar Ramamurthi, Director, IIT Madras, said, "I would like to congratulate all the learners who have successfully cleared the qualifier process. IIT Madras is happy to welcome the first batch of students to the Foundation Level of BSc Degree program. IIT Madras is doing everything possible to give a great learning experience to the students. The courses are delivered through a state-of-the-art online portal. Students are given the opportunity to participate in LIVE sessions to clarify their doubts. The exams are conducted in-person so that the academic rigor of the program is maintained."

Only learners with a minimum required average assignment scores in all four courses were eligible to appear for the in-person invigilated Qualifier Exam. A total of 20,396 learners were eligible to write the qualifier exam, which was conducted on 22nd November 2020. Four weeks of refreshing yet intense content, three engaging assignments, and one scrutinizing exam closed out the qualifier process. IIT Madras launched this new degree programme building on its vast experience with online education obtained through its leadership in the NPTEL programme. The specialization of this degree, Programming and Data Science, pervades almost every aspect of human endeavour today and therefore a learner qualified in this area can expect a significant increase in professional opportunities.

Speaking about this course, Prof. Andrew Thangaraj, Professor In-Charge, IIT Madras Online Degree Programme, while talking about the admission announcement said, "This program gives a lot of flexibility to students to learn at their own pace. There are three different stages in this program – Foundation, Diploma and Degree. Students can choose their own pace while registering for courses and, upon completion, receive a Certificate, Diploma or a Degree at various exit points from IIT Madras."

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Highlighting the response from the students, Prof. Prathap Haridoss, Professor In-Charge, IIT Madras Online Degree Programme, added, "Since the launch of the programme, we have been receiving very good response from the learners. We are glad to know that nearly 30% of the learners who have applied for the qualifier process are working professionals from IT, banking, manufacturing, finance, law, healthcare, marketing and other sectors."

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Date: 9th December 2020

Media: India Education Diary

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj, Prof. Prathap Haridoss

Headline: IIT Madras admits the first batch of students to its first-ever online BSc Degree in Programming and Data Science

URL: <https://indiaeducationdiary.in/iit-madras-admits-the-first-batch-of-students-to-its-first-ever-online-bsc-degree-in-programming-and-data-science/>

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Date: 9th December 2020

Media: Navjeevan Express

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj, Prof. Prathap Haridoss

Headline: IIT-M admits first batch of students to first-ever online BSc Degree in Programming and Data Science

URL: <https://navjeevanexpress.com/iit-m-admits-first-batch-of-students-to-first-ever-online-bsc-degree-in-programming-and-data-science/>

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Date: 9th December 2020

Media: Education Bytes

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj

Headline: 8,154 Students Get First Batch Admission In IIT Madras; Know More

URL: <https://educationbytes.in/8154-students-get-first-batch-admission-in-iit-madras-know-more/>

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Date: 9th December 2020

Media: Edu Voice

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj

Headline: IIT Madras Admits 8,154 Students In First Batch Of Online BSc Programme; Application Opens For Second Round

URL: <https://eduvoice.in/iit-madras-admits-students-first-batch-online-bsc-programme/>

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Date: 9th December 2020

Media: The US Express-News

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj

Headline: IIT Madras Admits 8,154 Students to First Batch of Online BSc in Programming and Data Science

URL: <https://www.theusexpressnews.com/iit-madras-admits-8154-students-to-first-batch-of-online-bsc-in-programming-and-data-science/>

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Date: 10th December 2020

Media: The Times of India (clip attached)

Edition: Chennai

Page No: 4

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj

Headline: Many working people take IIT-M 1st online course

Many working people take IIT-M 1st online course

TIMES NEWS NETWORK

Chennai: As many as 8,154 students have enrolled for the first ever online degree programme — BSc in programming and data science — offered by IIT Madras. The course is to begin in January 2021.

As many as 1,666 (20%) of the students are working professionals from IT, banking, manufacturing, finance, law, healthcare, marketing and other sectors and 54% of the candidates are less than 20

years old.

A total of 1,593 learners were from arts, science and commerce backgrounds while 3,450 had an engineering background. As many as 30,276 candidates had applied for the course and were given access to the course's first month classes. Of them, 20,396 learners with a minimum required average assignment scores were called to appear for a qualifier exam on November 22 and 8,154 students were qualified for admissions.

IIT-M is happy to welcome the first batch of students to the foundation level BSc programme. IIT-M is doing everything possible to give a great learning experience to the students, a release from the institute said. "The courses are delivered through a state-of-the-art online portal. Students are given the opportunity to participate in live sessions to clarify their doubts. The exams are conducted in-person so that the academic rigor of the programme is maintained," Bhas-

kar Ramamurthi, director of IIT-M, said in the release.

Andrew Thangaraj, professor in-charge, IIT-M online degree programme, said the course gives a lot of flexibility to students to learn at their own pace. "There are three different stages - foundation, diploma and degree. Students can choose their own pace while registering for courses and, upon completion, they will receive a certificate, diploma or a degree from IIT-Madras," he said.

Date: 10th December 2020

Media: Telangana Today (clip attached)

Edition: Hyderabad

Page No: 4

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: 448 TS students Join BSc at IIT-M

URL: <https://telanganatoday.com/448-students-from-telangana-join-online-bsc-course-at-iit-madras#:~:text=Hyderabad%3A%20Indian%20Institute%20of%20Technology,be%20offered%20from%20January%202021.>

448 TS students join BSc at IIT-M

CITY BUREAU

Hyderabad

Indian Institute of Technology (IIT) - Madras has admitted 8,154 students including 448 from Telangana in the first batch of its world's first-ever online BSc degree in Programming and Data Science

These students can enrol for foundational level courses, which will be offered from January 2021. The students admitted included 1,922 female candidates and 6,232 male candidates from across India.

Learners from various age groups and educational backgrounds applied for the qualifier, the IIT-Madras said in a press release on Wednesday. As many as 1,593 learners were from Arts, Science and Com-

merce background while 3,450 learners were from an engineering background, it said. A total of 30,276 candidates had applied for the first qualifier process and were given access to the first month online classes of the programme.

A highly qualified content support team, specifically selected for this purpose, conducted nearly 400 hours of live sessions, to support the learning process of the learners, it said.

Congratulating selected students, IIT Madras Director Prof Bhaskar Ramamurthi said, "IIT Madras is happy to welcome the first batch of students to the foundation level of BSc degree programme. The courses are delivered through a state-of-the-art online portal.

Date: 10th December 2020
Media: DT Next (clip attached)
Edition: Chennai
Page No: 2
Journalist: NA
Professor: Prof. Bhaskar Ramamurthi

Headline: IIT-M admits first batch students for online B Sc prog

URL: <https://www.dtnext.in/News/City/2020/12/10022819/1265951/IITM-admits-first-batch-students-for-online-B-Sc-prog.vpf>

IIT-M admits first batch students for online B Sc prog

CHENNAI: The Indian Institute of Technology-Madras (IIT-M) will admit 8,154 students in the first batch of its world's first-ever online B Sc in Programming and Data Science. The students could enrol for the foundational level courses, which will be offered from January.

An IIT-M release said the 8,154 students included 1,922 female and 6,232 male candidates from across India from various age groups and educational backgrounds. Of these, 1,593 learners were from Arts, Science and Commerce background, while 3,450 were from engineering background.

A total of 30,276 candidates had applied for the first qualifier process and were given access to the first month online classes of the programme. A content support team, specifically selected for this purpose, conducted nearly 400 hours of live sessions, to support the learning process.

"IIT-Madras is happy to welcome the first batch of students to the Foundation Level of B Sc Degree programme and will be doing everything possible to give a great learning experience to the students," said IIT-M Director Prof Bhaskar Ramamurthi.

The courses are delivered through a state-of-the-art online portal and students are given the opportunity to participate in live sessions to clarify their doubts. The exams are conducted in-person so that the academic rigor of the programme is maintained, the statement added.

Date: 10th December 2020

Media: Deccan Chronicle (clip attached)

Edition: Chennai

Page No: 3

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: 8K students enrolled in IIT-M first ever online degree prog

URL: <https://www.deccanchronicle.com/nation/in-other-news/091220/iitm-to-admit-8154-students-in-the-first-batch-of-first-ever-online-b.html>

8K students enrolled in IIT-M first ever online degree prog

DC CORRESPONDENT
CHENNAI, DEC. 9

The Indian Institute of Technology-Madras (IIT-M) is all set to admit 8,154 students in the first batch of its first-ever online BSc degree in programming and data science.

Prof. Bhaskar Ramamurthi, director, IIT-M said the institute was doing everything possible to give a great learning experience to the students. The courses are delivered through a state-of-the-art online portal. Students are given the opportunity to participate in live sessions to clarify their doubts. The exams are conducted in-person so that the academic

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selected for this purpose, conducted nearly 400 hours of live sessions, to support the learning process.

Only learners with a minimum required average assignment scores in all four courses were eligible to appear for the in-person invigilated qualifier exam. A total of 20,396 learners were eligible to write the qualifier examination, which was conducted on November 22.

These students can enrol for the foundational level courses, which will be offered from January 2021. The 8,154 students included 1,922 female candidates and 6,232 male candidates across India. Learners from various age groups

and educational backgrounds applied for the qualifier. As many as 1,593 learners were from arts, science and commerce background while 3,450 learners were from an engineering background.

IIT-M launched the new degree programme as part of the National Programme on Technology Enhanced Learning (NPTEL) programme. The specialisation of this degree, programming and data science, pervades almost every aspect of human endeavour today and therefore a learner qualified in this area can expect a significant increase in professional opportunities.

Date: 10th December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj, Prof. Prathap Haridoss

Headline: Over 8,100 join IIT Madras' online B.Sc degree course

URL: <https://www.thehindu.com/news/national/tamil-nadu/over-8100-join-iit-madras-online-bsc-degree-course/article33295371.ece>

A total of 8,154 students have been admitted to the B.Sc degree in Programming and Data Science offered online by the Indian Institute of Technology Madras.

The students hail from various disciplines, including 1,593 from arts, science and commerce. Among those enrolled for the foundational level course to be offered from January are 1,922 women and 6,232 men from across the country. The students are from various age groups as well.

All the 30,276 candidates who applied for the qualifier process were given access to the first month online classes. Only those who had the minimum required average assignment scores in all the four courses offered were eligible to appear for the in-person invigilated qualifier exam. As many as 20,396 eligible candidates took the test on November 22.

Institute director Bhaskar Ramamurthi congratulated the students who, he said, "had successfully cleared the qualifier process. The courses are delivered through a state-of-the-art online portal. Students are given the opportunity to participate in live sessions to clarify their doubts. The exams are conducted in-person so that the academic rigour of the programme is maintained."

Andrew Thangaraj, professor in charge of the online degree programme at the institute, said students can choose their own pace while registering for courses and on completion receive a certificate, diploma or a degree at various exit points from the IIT Madras.

Prathap Haridoss, professor in charge of the online degree programme, said nearly 30% of the learners are working professionals from IT, banking, manufacturing, finance, law, healthcare, marketing and other sectors.

The application process for the second qualifier process has been opened. The last date to apply is February 6. The second qualifier process will start in the first week of March. Visit <https://www.onlinedegree.iitm.ac.in> for application

Date: 10th December 2020

Media: The Economic Times- HR World

Edition: Online

Journalist: Hemali Chhappia and Yogita Rao

Headline: First phase of IIT placements sees just two job offers with American profile

URL: <https://hr.economictimes.indiatimes.com/news/workplace-4-0/recruitment/first-phase-of-iit-placements-sees-just-two-job-offers-with-american-profile/79654819>

An old adage goes: "One leg of an IITian is in India, the other in Air India", referring to the pull of jobs in America. This year though, many of India's blue chip tech colleges do not have a single US offer. Last year's leading recruiters, such as Microsoft and Uber, picked students only for Indian profiles. As the first week of placements 2020 comes to a close, the fewer international roles, already on the wane over the last few years, came mostly from Taiwan, Japan and Singapore.

While American firms participated in the process, conducted the hiring drill of taking tests and holding interviews, placements offices are unclear about their decision with companies such as Microsoft not declaring their final list of candidates for the Redmond campus. IITs in Madras, Kharagpur, Guwahati, and Hyderabad, confirmed that there was not a single offer from the US thus far. One US offer was made to a student in IIT Bombay and one to another in Kanpur.

While the IITs recorded two offers from USA, those from Singapore, Japan and Taiwan ruled the placement 2020's phase 1. IIT Madras, which saw 14 international offers being accepted, had five from Japan, six from Singapore, three from Taiwan. Similarly, at IIT Guwahati, six offers were from Japan and one from Singapore. IIT Delhi had 15-plus international offers, but the institute refused to divulge the countries or companies that made these offers. At IIT Hyderabad, students received 30 international offers from two countries: Japan and Taiwan.

Date: 10th December 2020

Media: Amar Ujala (clip attached)

Edition: New Delhi

Page No: 9

Journalist: NA

Headline: First BSC Programming, 8154 Students Selected in Data Science

**पहले
बीएससी
प्रोग्रामिंग,
डेटा साइंस
में 8154
छात्रों का
चयन**

नई दिल्ली। नई शिक्षा नीति-2020 के तहत देश में पहली बार आईआईटी मद्रास जनवरी 2021 से पहला ऑनलाइन बीएससी प्रोग्रामिंग और डेटा साइंस प्रोग्राम का बैच शुरू कर रहा है। इसमें 8154 छात्रों का चयन हुआ है। आईआईटी, बैंकिंग, कानून, स्वास्थ्य सेवा, विपणन और अन्य पेशे से जुड़े प्रोफेशनल ने इस कोर्स में रुचि दिखाई है। तीन वर्षीय डिग्री प्रोग्राम की पहले वर्ष की पढ़ाई पूरी करने पर फाईनेशन में सर्टिफिकेट, दूसरे वर्ष में डिप्लोमा और तीसरे वर्ष में डिग्री मिलेगी। आईआईटी मद्रास के निदेशक प्रो. भास्कर मूर्ति के मुताबिक, पहली बार नॉन इंजीनियरिंग छात्रों के लिए स्नातक ऑनलाइन प्रोग्राम शुरू हो रहा है। इसमें 1593 छात्र कला, विज्ञान और वाणिज्य पृष्ठभूमि के हैं। जबकि 30276 छात्रों ने रजिस्ट्रेशन किया था। दाखिला प्रवेश परीक्षा के आधार पर मिलेगा। बीएससी प्रोग्रामिंग और डेटा साइंस प्रोग्राम की पढ़ाई के लिए 3450 इंजीनियरिंग पास आउटले छात्र भी दाखिला ले रहे हैं।

Date: 10th December 2020

Media: Namasthe Telangana (Telugu) (clip attached)

Edition: Hyderabad

Page No: 7

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj

Headline: Our students in IIT Madras degree course

● ఐఐటీ మద్రాస్ డిగ్రీలో మన విద్యార్థులు

హైదరాబాద్, నమస్తే తెలంగాణ: ఐఐటీ మద్రాస్ కొత్తగా ప్రవేశ పెట్టిన బీఎస్సీ డిగ్రీలో ఆన్లైన్ ప్రవేశాలకు తెలంగాణ రాష్ట్రానికి చెందిన 448 మంది విద్యార్థులు అర్హత సాధించారు. దేశవ్యాప్తంగా మొత్తం 8,154 మంది అర్హత పొందారని ఐఐటీ మద్రాసు బుధ వారం వెల్లడించింది.

ஐஐடி சென்னையில் முதல் முறையாக இணையவழியில் பி.எஸ்சி. படிப்பு

சென்னை, டிச. 9: ஐஐடி சென்னையில் நிரலாக்க மற்றும் தரவு அறிவியல் பிரிவில் முதல் முறையாக ஆன்லைன் பிஎஸ்சி படிப்பில் சேர 8,154 மாணவர்கள் தேர்வு செய்யப்பட்டுள்ளனர்.

ஐஐடியில் பட்டப்படிப்பு பயில ஜேஇஇ என்ற தேசிய அளவிலான நுழைவுத் தேர்வை மாணவர்கள் எழுத வேண்டும். ஆனால், தற்போதைய பிஎஸ்சி இணையவழிப் பட்டப்படிப்புக்கு ஜேஇஇ தேர்வு எழுத வேண்டியதில்லை.

இந்த இணையவழி பட்டப்படிப்பானது, அடிப்படைப் பட்டம், டிப்ளமோ பட்டம், இளநிலைப் பட்டப்படிப்பு என மூன்று நிலைகளைக் கொண்டுள்ளது. அதாவது, மூன்று நிலைகளில் எந்தக் கட்டத்திலும் மாணவர்கள் வெளியேறி, அதற்கான சான்றிதழைப் பெற்றுக் கொள்ளலாம்.

இந்த நிலையில் இந்தியா முழுவதும்

8,154 மாணவர்கள் தேர்வு

தும் பல்வேறு படிப்புகளை முடித்த 8,154 மாணவர்கள் ஆன்லைன் பிஎஸ்சி படிப்பில் சேர தேர்வு செய்யப்பட்டுள்ளனர். இதில் கலை, அறிவியல், பொறியியல் மற்றும் வணிக வியல் பயின்ற 1,593 மாணவர்களும் அடங்குவர். இந்த மாணவர்கள் ஜனவரி 2021 முதல் வழங்கப்பட இருக்கும் அடிப்படைப் பட்டப் படிப்பில் சேர்ந்து கொள்ளலாம்.

இதில் முதல்கட்டத் தேர்வு முறைக்கு மொத்தம் 30,276 மாணவர்கள் விண்ணப்பித்தனர். அவர்களுக்கு 4 பாடங்களில் (கணிதம், ஆங்கிலம், புள்ளிவிவரம் மற்றும் கணக்கீட்டுச் சிந்தனை) 4 வாரப் பாடநெறி உள்ளடக்கம் உடனடியாக அனுப்பி வைக்கப்பட்டன. இந்த மாணவர்கள் இணையத்தில் பாட விரிவுரைகளைக் கற்பதுடன்,

இணையத்தின் வாயிலாகவே தங்கள் கல்விப் பணிகளைச் சமர்ப்பித்தனர்.

4 வாரங்களின் முடிவில் தகுதித் தேர்வை எழுதினர். 50 சதவீதத் தேர்ச்சியுடன் தகுதித் தேர்வில் தேர்ச்சி பெற்ற 20,396 மாணவர்கள் இரண்டாம் கட்டத் தேர்வை எழுதத் தகுதி பெற்றனர். கடந்த நவம்பர் 22-ஆம் தேதி தேர்வு நடைபெற்றது. இதிலிருந்து தற்போது 8,154 மாணவர்கள் பிஎஸ்சி அடிப்படைப் பட்டப் படிப்புக்குத் தேர்வு செய்யப்பட்டுள்ளனர்.

இவர்கள் அனைவரும் ஐஐடி சென்னை நடத்தும் ஆன்லைன் பிஎஸ்சி படிப்பை ஜனவரி மாதத்தில் படிக்கத் தொடங்குவர் என சென்னை ஐஐடி தெரிவித்துள்ளது.

Date: 10th December 2020

Media: Dina Malar (clip attached)

Edition: Chennai

Page No: 2

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj

Headline: IIT Madras: Over 8,000 in first batch of online BSc programme

ஐ.ஐ.டி.,யில் பி.எஸ்சி., படிப்பு 8,000 பேர் 'அட்மிஷன்'

சென்னை, டிச. 10-
நாட்டில்
முதன் முறை
யாக, சென்னை
ஐ.ஐ.டி.,யில் அறி
முகம் செய்யப்பட்
டுள்ள, பி.எஸ்சி.,
'ஆன்லைன்'
படிப்பில், 8,000
பேர் சேர்க்கப்
பட்டுள்ளனர்.

கணினி தொழில்
நுட்பம் மிகப்பெரிய
வளர்ச்சியை எட்டி
யுள்ள நிலையில்,
அதில் விருப்பம்
உள்ளவர்களுக்கு,
'டேட்டா சயின்ஸ்'
என்ற பெயரில்,
பி.எஸ்சி., பட்டப்
படிப்பை, சென்னை
ஐ.ஐ.டி., அறிமுகம்
செய்துள்ளது.

முழுதும் ஆன்
லைன் வழியே
நடத்தப்படும் இந்த
படிப்பானது, பல்
வேறு கட்டங்களாக



அமைக்கப்பட்டு
உள்ளன.

அடிப்படை
படிப்பு, டிப்ளமா மற்
றும் பட்டப்படிப்பு
என, மூன்று கட்டங்
களாக மாணவர்கள்
சேர்க்கப்பட்டு, அவர்
களுக்கு, ஆன்லைன்
வழியே, 'வீடியோ'
பாடங்கள் நடத்தப்
படுகின்றன.

இந்த படிப்பில்,
முதலாம் ஆண்டு
ஆன்லைன் பதிவு
முடிந்துள்ளது.

இதில், பல்வேறு
தனியார் நிறுவனங்
களில் பணியாற்றும்,

8,154 பேர் சேர்க்கப்
பட்டுள்ளனர். நாடு
முழுதும் இருந்து,
1,922 பெண்கள்,
இந்த படிப்பில்
சேர்ந்துள்ளனர்.

இந்த படிப்புக்கு
மொத்தம், 30 ஆய்
ரம் பேர் விண்ணப்
பித்திருந்தனர். அவர்
களில், 8,154 பேர்
மட்டும் தகுதி சுற்றில்
தேர்வு பெற்று
உள்ளனர்.

தகுதி பெற்றவர்
களில், 3,450 பேர்
இன்ஜி., படிப்பை
யும், 1,593 பேர்
கலை, அறிவியல்
படிப்பையும்
பின்னணியாக
கொண்டவர்கள்.

இந்த படிப்பு
குறித்த தகவல்களை,
www.onlinedegree.iitm.ac.in
என்ற இணைய
தளத்தில் தெரிந்து
கொள்ளலாம்.

మద్రాసు ఐఐటీలో ఆన్‌లైన్ బీఎస్సీ

తెలంగాణ నుంచి 448 మంది.. ఏపీ నుంచి 337 మందికి అర్హత సాధిస్తే, హైదరాబాద్: మద్రాసు ఐఐటీ తొలిసారిగా ప్రోగ్రామింగ్ అండ్ డేటా సైన్స్‌లో బీఎస్సీ డిగ్రీని ఆన్‌లైన్‌లో నిర్వహిస్తోంది. 2021 జనవరి నుంచి ఈ కోర్సు ప్రారంభించనుంది. దీని ప్రవేశాల కోసం నిర్వహించిన పరీక్షలో 8,154 మంది (మహిళలు 1,922 మంది, పురుషులు 6,232 మంది) అర్హత సాధించారు. అందులో ఆర్ట్స్/సైన్స్/కామర్స్ చదువుకున్న 1,593 మంది, ఇంజనీరింగ్ చదువుకున్న 3,450 మంది, ఇతర కోర్సులు చదువుకున్న 3,111 మంది ఉన్నారు. అర్హత సాధించిన వారిలో తెలంగాణ విద్యార్థులు 448 మంది, ఆంధ్రప్రదేశ్ నుంచి 337 మంది ఉన్నారు. ఇక అర్హత సాధించిన వారిలో 20 ఏళ్లలోపు వారు 4,469 మంది, 21 నుంచి 30 ఏళ్లలోపు వారు 2,739 మంది, 31-40 ఏళ్ల వారు 676 మంది, 41-50 ఏళ్ల వారు 210 మంది, 51-60 ఏళ్ల వారు 56 మంది, 61-70 ఏళ్ల వారు నలుగురు ఉన్నట్లు మద్రాస్ ఐఐటీ వివరించింది.

Date: 10th December 2020

Media: The Times of India- Education Times

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj, Prof. Prathap Haridoss

Headline: IIT Madras admits first cohort to its online BSc degree in Programming and Data Science

URL: <https://www.educationtimes.com/article/digitised-generation-careers/79663916/iit-madras-admits-first-cohort-to-its-online-bsc-degree-in-programming-and-data-science>

The Indian Institute of Technology Madras (IIT Madras) is admitting a total of 8,154 students in the first batch of its new online BSc degree in Programming and Data Science. These students can enrol for the foundational level courses, which will be offered from January 2021. The 8,154 students included 1,922 female candidates and 6,232 male candidates across India. Learners from various age groups and educational backgrounds applied for the qualifier. Total 1,593 learners were from Arts, Science and Commerce while 3,450 learners were from an engineering background.

A total of 30,276 candidates had applied for the first qualifier process. They were provided access to the first month online classes of the programme. Nearly 400 hours of live sessions were conducted to support the learning process.

"The courses are delivered through a state-of-the-art online portal. Students are given the opportunity to participate in LIVE sessions to clarify their doubts. The exams are conducted in-person so that the academic rigour of the programme is maintained," Bhaskar Ramamurthi, director, IIT Madras, said.

The institute launched this degree programme building on its experience with online education in the NPTEL programme. The specialisation of this degree, Programming and Data Science, is expected to provide a significant increase in professional opportunities for the learners in the course.

"The programme gives a lot of flexibility to students to learn at their own pace. There are three different stages in this programme - Foundation, Diploma and Degree. Students can choose their own pace while registering for courses and, upon completion, receive a certificate, diploma or a degree at various exit points from IIT Madras," said Andrew Thangaraj, professor in-charge, IIT Madras Online Degree Programme.

The blend of online instruction and in-person assessment in the programme aims to reach a large number of students without compromising the quality of education. The course can also help fulfil the dreams of all learners of studying in an IIT.

Highlighting students' response, Prathap Haridoss, professor in-charge, IIT Madras Online Degree Programme, added, "Nearly 30% of the learners who have applied for the qualifier process are working professionals from IT, banking, manufacturing, finance, law, healthcare, marketing and other sectors."

The institute has started the second qualifier process. Students may fill the application form to enrol in the second qualifier process, upload the required documents and pay the application fee of Rs 3,000.

The fees paid will give access to four weeks of course content for the qualifier training process as well as the qualifier examination. The last date to apply is February 6, 2021. The second qualifier process will start in the first week of March 2021. Learners can fill their applications at <https://www.onlinedegree.iitm.ac.in>.

Date: 10th December 2020

Media: News Today

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: IIT-Madras admits first batch students for online B.Sc programme

URL: <https://newstodaynet.com/index.php/2020/12/10/iit-madras-admits-first-batch-students-for-online-b-sc-programme/>

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Date: 10th December 2020

Media: Tech Gig

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Andrew Thangaraj

Headline: IIT Madras admitted 8,154 students in first batch of online BSc in Programming and Data Science

URL: <https://content.techgig.com/iit-madras-admitted-8154-students-in-first-batch-of-online-bsc-in-programming-and-data-science/articleshow/79666685.cms>

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Date: 10th December 2020

Media: Shiksha

Edition: Online

Journalist: Anupama Mehra

Professor: Prathap Haridoss

Headline: IIT Madras Admissions 2020: Over 8,000 candidates apply for first online BSc in programming and data science

URL: <https://www.shiksha.com/engineering/articles/iit-madras-admissions-2020-over-8-000-candidates-apply-for-first-online-bsc-in-programming-and-data-science-blogId-51483>

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Date: 10th December 2020

Media: Sakshi Education

Edition: Online

Journalist: NA

Headline: IIT Madras admits 8,154 students in first batch of online B Sc Degree in Programming and Data Science

URL: <https://www.sakshieducation.com/StoryA.aspx?cid=0&sid=0&chid=0&tid=0&nid=282022>

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Date: 12th December 2020

Media: The Economic Times (clip attached)

Edition: Ahmedabad / Hyderabad / Kolkata / Mumbai / New Delhi / Chennai

Page No: 1,5

Journalist: Sreeradha D Basu, Prachi Verma

Professor: Prof. CS Shankar Ram

Headline: In a first, India located-jobs get higher pay than abroad in some IIT placements

URL: <https://economictimes.indiatimes.com/industry/services/education/in-a-first-india-located-jobs-getting-higher-pay-than-abroad-in-iit-placements/printarticle/79689194.cms>

At IITs, India Jobs on Top of the World

Domestic offers 30-35% higher than in previous years and better than pay for global roles

Sreeradha D Basu & Prachi Verma Dadhwal

Kolkata | New Delhi: India is beating the world at Indian Institutes of Technology (IITs) this placement season. For the first time, final placements are seeing top salaries offered for India-located jobs shoot up 30-35% higher than in previous years, often beating best global position offers.

At some IITs including Madras, Roorkee and Guwahati, best-paying domestic packages have even surpassed top international offers, ensuring that these newly-minted graduates will be earning more sitting in India than they would have abroad.

Many of these skills that are in demand are for work-from-home roles. In a pandemic-hit year, where the likes of Microsoft and Uber have not yet opened up international roles at campuses, firms such as MTX Group, Quantbox Research and Graviton have rolled out offers of ₹70-80 lakh for India postings.

₹45-62 lakh Offered in Previous Yrs → 5

Catching Up

Top domestic salaries during IIT placements rise by up to 30-35% in some cases

Cos such as MTX Group, Quantbox are offering ₹70-80 lakh for India positions

At some IITs, top domestic package is higher than top global offer

Top local paymasters say new hires to contribute to global team and thus are getting paid accordingly

Skills in demand are mostly for WFH roles such as cloud



₹45-62 Lakh Offered in Previous Years

→ From Page 1

Institutes say that top domestic salaries in previous years have usually hovered around the ₹45-62 lakh levels at the most.

At IIT Roorkee, the top domestic offer this time is ₹60 lakh, 16% higher than the highest international offer of ₹69 lakh and 28% higher than ₹82.28 lakh domestic offer last year. The institute says this is the first time that an Indian offer has surpassed a foreign one.

It's the same at IIT Guwahati, where the top domestic offer of ₹70 lakh is not just 35% higher than last year's ₹52 lakh, but also a shade higher than this year's highest international salary of 125,000 Singapore dollars (₹69 lakh). At IIT Madras too, till now the top international offer from Taiwan Semiconductor Manufacturing Company is lower than what has been paid by MTX Group for a domestic role, said CS Shankar Ram, Advisor (Training & Placement).

The highest domestic offer this year is of ₹82 lakh at IIT Kanpur, 32% up from ₹62 lakh last year.

Global cloud implementation partner MTX Group has hired IIT students in the MTX India entity at about ₹70 lakh, according to campus placement cells. But the roles are global, where they work with teams in US and Australia.

"We believe in making sure that we pay people for the skills they possess, irrespective of location. We strongly believe in bridging the global pay gaps especially during Covid times and in future. As we are working remotely, everyone works towards achieving the goal of the organisation regardless of the locations they are contributing from," said Ankita Sinha, chief people officer at MTX.

'RETAINING TOP TALENT'

"IITs are where the cream of the country's talent comes to study and the offers reflect the value attached to every campus hire," says Prashant Singh, managing director of proprietary trading firm Quantbox Research. "Isn't it better we retain our rockstars in India than lose them to the Silicon valleys of the world?" he says.

According to campus sources, Quantbox has made offers of ₹80 lakh, including performance bonus for domestic roles. Location isn't an issue. "Being a tech trading firm, the geographical restrictions don't impose any limitation on our business continuity," said Singh.

In a year when IITs prepared themselves for a challenging placement season, this has been a welcome development.

"We notice a trend emerging among companies offering higher salaries for domestic roles, especially in cloud, this year," says TG Sitharam, director-IIT Guwahati.

"This could be due to companies envisaging a need for such roles as work from home is the new normal during the pandemic and beyond. Also, companies are trying to hire good talent from campuses, which would otherwise choose or prefer international offers, by offering them higher salary for domestic roles," he added.

Date: 11th December 2020

Media: BW Education

Edition: Online

Journalist: NA

Headline: IIT Madras-incubated Startup GUVI Goes Online With Its 'Zen Class' Coding Course To Upskill Students

URL: <http://bweducation.businessworld.in/article/IIT-Madras-incubated-Startup-GUVI-Goes-Online-With-Its-Zen-Class-Coding-Course-To-Upskill-Students/11-12-2020-352519/>

IIT Madras-incubated startup GUVI taken completely online its 'Zen class,' a placement-oriented 'full-stack' coding development course. It aims to upskill students and graduates looking for a career in product-based companies. The course provides technological training for job aspirants to become 'full-stack' developers who are in demand during the COVID-19 era as they need to be hands-on with projects.

A 'full-stack' web developer is trained to develop both client and server software. In addition to proficiency in HTML and CSS, the developer should also be proficient in programming browsers (using JavaScript and related tools), servers (using Python and related tools) and databases (SQL and related tools)

Zen Class focuses on skill economy by making aspiring and current full-stack developers job-ready and future-proof by training them with cutting-edge technologies and converting a regular resume into a skill-based portfolio. This will help bridge the talent paucity faced by Indian software industry in the critical areas of full-stack development, front-end, back-end, system design and data structures-algorithms.

Speaking about this initiative, S.P. Balamurugan, Co-founder and Chief Executive Officer, GUVI, said, "Tough times needs smart skilling path and we help the learners to do that from home and get the job from home."

GUVI is an integrated ed-tech platform in vernacular language, which has a deep penetration in India with a presence in over 1,000 engineering colleges. It has already upskilled more than 4.7 lakh engineers in latest technology skills such as Python, Java and Machine Learning, among others and help them gain placement in IT firms.

The 'Zen classes' conducted physically at the IIT Madras Research Park were successful in training and getting placement for nearly 1,000 students in over 200 product-based companies and startups in the last several months.

Elaborating on this course, Arun Prakash, Co-founder and Chief Technical Officer, said, "GUVI's industry-specific boot camp of Zen class helps demonstrate the skill ability of an individual to learn new and in-demand technologies quickly, which will turn into a major plus to both the learners as well as employers."

Further, Arun Prakash said, "A prior screening is done among the interested trainees, called the 'pre-boot camp session', to assess the candidates. This format gives students a better analysis of their current level of learning, which could be further regulated by 1:1 doubt-clarification with mentoring, recorded video sessions and personalized training."

The course is open to freshers interested in learning to code, working professionals looking to switch careers from service-based companies to product companies or manual testing or technical support as well as those from a non-coding background or data-science wanting to add value to their profile.

The GUVI Recruitment team works to arrange, prepare and deliver interview opportunities for the students with product companies that align with their career goals. They work to attract experienced professionals from other domains such as business (sales and marketing), arts, teaching and lecturers to becoming Full Stack developers.

Freshers from Non-engineering degrees can make the most of Zen Class through its personalized mentoring and Online courses with peer discussion to keep up with the pace. The three-month weekday and 6-month weekend online programs of Zen class provide a robust blend of technological skills by industrial experts with a technical background from PayPal, Google, Symantec and Honeywell, among others.

This program would be convenient for individuals with good internet access and also can become an accelerator for candidates with a keen learning orientation, and ready to invest time for consistent practice to join the development field in the software industry.

The learners of the Zen class are introduced to an online boot camp style of learning with concept-oriented hands-on projects on a daily basis, bi-weekly hackathons, technical mentorship & periodic developer meetups including developers from companies like Google, LinkedIn and Facebook, which contribute to the Zen class advantages.

A boot camp lays a better foundation in covering the theory of a programming language in a structured manner and the practice sessions of the developer boot camp with daily projects convert into real-time project applications. Alongside, An extensive coding practise platform - CodeKata with a 1000+ question library, specifically designed with all the key programming concepts to hone the coding skills of the learners.

Interested candidates can enrol in this full-stack developer course through the official site of GUVI. GUVI, which offers an online platform for students to learn in their mother tongues, is offering specialized courses to upskill students and make them 'job ready' without having to leave their house. The mission of GUVI is to take technology skills to all the deserving students and ensure demography is never a barricade to acquire skills.

Towards this, GUVI offers technology skills that are in-demand in the industry in regional languages such as Tamil, Telugu, Kannada, Hindi, Bengali besides English. GUVI is transforming lives by offering tech skills in the language, which the students are familiar throughout their life and is bridging the gap between academia and industry.

Date: 11th December 2020

Media: ABP Education

Edition: Online

Journalist: NA

Headline: IIT Madras-incubated start-up goes online with coding course to upskill students

URL: https://www.abpeducation.com/news/iit-madras-incubated-start-up-goes-online-with-coding-course-to-upskill-students/cid/1205682?utm_source=twitter&utm_medium=social&utm_campaign=abpedu_twit

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Date: 12th December 2020

Media: The Times of India (clip attached)

Edition: Chennai

Page No: 5

Journalist: NA

Headline: IIT incubated startup to begin coding course online

IIT incubated startup to begin coding course online

TIMES NEWS NETWORK

Chennai: IIT Madras incubated startup Guvi will conduct its coding development course 'Zen Class' online.

The course provides technological training for job aspirants to become 'full-stack' developers who are in demand during the COVID-19 era as they need to be hands-on with projects. A 'full-stack' web developer is trained to develop both client and server software.

In addition to proficiency in HTML and CSS, the developer should also be proficient in programming browsers (using JavaScript and related tools), servers (using Python and related tools) and databases (SQL and related tools).

S P Balamurugan, co-founder and chief executive officer, GUVI, said, "Tough times need smart skilling paths and we help the learners to do that from home and get the job from home."

Date: 12th December 2020

Media: Deccan Chronicle (clip attached)

Edition: Chennai

Page No: 4

Journalist: NA

Headline: IIT-M start-up makes 'Zen class' fully online

IIT-M start-up makes 'Zen class' fully online

DC CORRESPONDENT
CHENNAI, DEC. 11

The Indian Institute of Technology-Madras (IIT-M)-incubated start-up GUVI has made completely online its 'Zen class,' a placement-oriented 'full-stack' coding development course, aimed at upskilling graduates looking for a career in product-based companies.

Mr. S.P. Balamurugan, chief executive officer, GUVI, said the present tough times required a smartskilling path and they would help the learners do that from home and get job from home. The course will provide technological training for job aspirants to become 'full-stack' developers who are in demand during the Covid-19 era as they need to be hands-on with proj-

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Date: 12th December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Spokesperson: Mr. S.P. Balamurugan, Mr. Arun Prakash

Headline: Online coding courses from Guvi

URL: <https://www.thehindu.com/news/cities/chennai/online-coding-courses-from-guvi/article33311811.ece>

Guvi, an integrated education technology platform in regional languages, has started offering coding courses. Called 'Zen classes', they are conducted physically from IIT Madras Research Park. They have so far trained nearly 1,000 students and placed them in over 200 product-based companies and start-ups.

Guvi, an Indian Institute of Technology Madras-incubated company, provides technical training on placement-oriented full-stack coding development courses. A full-stack web developer can develop client and server software.

S.P. Balamurugan, co-founder and chief executive officer of Guvi, said the aim was to develop a smart skilling path. "We help the learners to do that from home and get the job from home."

Guvi has so far upskilled 4.7 lakh engineers in latest technology skills such as Python, Java and Machine Learning to enable aspirants be placed in IT firms.

Arun Prakash, co-founder and chief technical officer, said interested trainees are screened and assessed in a pre-boot camp session. This helps students to better analyse their current level of learning. They also get one-on-one mentoring, clarify doubts, besides recorded video sessions and personalised training. Freshers interested in learning to code, working professionals who wish to switch careers and even those from non-coding background or data science who wish to add value to their profile, can join in the programme.

The courses are of three and six month duration. The three-month online courses are conducted through the week and the six-month course is a weekend online programme. People with technical background from PayPal, Google, symantec and Honeywell, take the classes. There are bi-weekly hackathons, technical mentorship and periodic developer meets, including from Google, LinkedIn, and Facebook. Guvi offers technology skills in regional languages such as Tamil, Telugu, Kannada, Hindi, Bengali and English.

For more details, visit Guvi's website <https://www.guvi.in/zen>. You may also write to fullstack@guvi.in.

Date: 13th December 2020

Media: The New Indian Express- EDEX (clip attached)

Edition: Chennai

Page No: 16

Journalist: NA

Headline: IIT-M's online BSc in Data Science is scaling peaks

IIT-M's online BSc in Data Science is scaling peaks



The course, which will see its first intake in January 2021, is ready to start the selection process for the second batch

Indian Institute of Technology Madras (IIT Madras) is admitting a total of 8,154 students in the first batch of its first-ever online BSc Degree in Programming and Data Science. These students can enrol for the foundational level courses, which will be offered from January 2021. The 8,154 students included 1,922 female candidates and 6,232 male candidates across India.

Learners from various age groups and educational backgrounds applied for the qualifier. As many as 1,593 learners were from Arts, Science and Commerce background while 3,450 learners were from an engineering background. A total of

30,276 candidates had applied for the first qualifier process. They were given access to the first month online classes of the programme. A highly qualified content support team, specifically selected for this purpose, conducted nearly 400 hours of live sessions, to support the learning process of the learners. IIT Madras also announced

the start of the second qualifier process. Students may fill the application form to enrol in the second qualifier process, upload the required documents and pay the application fee of ₹3,000. The fees paid will give access to four weeks of course content for the qualifier training process as well as the qualifier examination. The last date to apply is February 6, 2021 and the second qualifier process will start in the first week of March 2021. Learners can fill their applications at onlinedegree.iitm.ac.in

online
course

Date: 12th December 2020

Media: The Times of India (clip attached)

Edition: Chennai

Page No: 5

Journalist: NA

Headline: IIT incubated startup to begin coding course online

IIT incubated startup to begin coding course online

TIMES NEWS NETWORK

Chennai: IIT Madras incubated startup Guv1 will conduct its coding development course 'Zen Class' online.

The course provides technological training for job aspirants to become 'full-stack' developers who are in demand during the COVID-19 era as they need to be hands-on with projects. A 'full-stack' web developer is trained to develop both client and server software.

In addition to proficiency in HTML and CSS, the developer should also be proficient in programming browsers (using JavaScript and related tools), servers (using Python and related tools) and databases (SQL and related tools).

S P Balamurugan, co-founder and chief executive officer, GUVI, said, "Tough times need smart skilling paths and we help the learners to do that from home and get the job from home."

Date: 13th December 2020

Media: The New Indian Express- EDEX

Edition: Online

Journalist: Sumi Sukanya dutta

Headline: COVID-19 has no effect on IIT job placements, 35 per cent increase in pay packages

URL: <https://www.newindianexpress.com/nation/2020/dec/13/covid-19-has-no-effect-on-iit-job-placements-35-per-cent-increase-in-pay-packages-2235430.html>

IIT Madras-incubated startup GUVI taken completely online its 'Zen class,' a placement-oriented 'full-stack' coding development course. It aims to upskill students and graduates looking for a career in product-based companies. The course provides technological training for job aspirants to become 'full-stack' developers who are in demand during the Covid-19 era as they need to be hands-on with projects.

A 'full-stack' web developer is trained to develop both client and server software. In addition to proficiency in HTML and CSS, the developer should also be proficient in programming browsers (using JavaScript and related tools), servers (using Python and related tools) and databases (SQL and related tools).

What is Zen Class?

Zen Class focuses on skill economy by making aspiring and current full-stack developers job-ready and future-proof by training them with cutting-edge technologies and converting a regular resume into a skill-based portfolio. This will help bridge the talent paucity faced by the Indian software industry in the critical areas of full-stack development, front-end, back-end, system design, and data structures-algorithms.

Speaking about this initiative, S.P. Balamurugan, Co-founder and Chief Executive Officer, GUVI, said, "Tough times needs smart skilling path and we help the learners to do that from home and get the job from home."

What is GUVI?

GUVI is an integrated ed-tech platform in vernacular language, which has a deep penetration in India with a presence in over 1,000 engineering colleges. It has already upskilled more than 4.7 lakh engineers in latest technology skills such as Python, Java and Machine Learning, among others and help them gain placement in IT firms.

The 'Zen classes' conducted physically at the IIT Madras Research Park were successful in training and getting placement for nearly 1,000 students in over 200 product-based companies and startups in the last several months.

Elaborating on this course, Arun Prakash, Co-founder and Chief Technical Officer, said, "GUVI's industry-specific boot camp of Zen class helps demonstrate the skill ability of an individual to learn new and in-demand technologies quickly, which will turn into a major plus to both the learners as well as employers."

Further, Arun Prakash said, "A prior screening is done among the interested trainees, called the 'pre-boot camp session', to assess the candidates. This format gives students a better analysis of their current level of learning, which could be further regulated by 1:1 doubt-clarification with mentoring, recorded video sessions, and personalized training."

The course is open to freshers interested in learning to code, working professionals looking to switch careers from service-based companies to product companies or manual testing or technical support as well as those from a non-coding background or data-science wanting to add value to their profile.

The GUVI Recruitment team works to arrange, prepare and deliver interview opportunities for the students with product companies that align with their career goals. They work to attract experienced professionals from other domains such as business (sales and marketing), arts, teaching, and lecturers to becoming Full Stack developers.

Freshers from Non-engineering degrees can make the most of Zen Class through its personalized mentoring and Online courses with peer discussion to keep up with the pace. The three-month weekday and 6-month weekend online programs of Zen class provide a robust blend of technological skills by industrial experts with a technical background from PayPal, Google, Symantec and Honeywell, among others.

This program would be convenient for individuals with good internet access and also can become an accelerator for candidates with a keen learning orientation, and ready to invest time for consistent practice to join the development field in the software industry.

The learners of the Zen class are introduced to an online boot camp style of learning with concept-oriented hands-on projects on a daily basis, bi-weekly hackathons, technical mentorship & periodic developer meetups including developers from companies like Google, LinkedIn and Facebook, which contribute to the Zen class advantages.

A boot camp lays a better foundation in covering the theory of a programming language in a structured manner and the practice sessions of the developer boot camp with daily projects convert into real-time project applications. Alongside, An extensive coding practise platform - CodeKata with a 1000+ question library, specifically designed with all the key programming concepts to hone the coding skills of the learners.

How to apply for Zen class?

Interested candidates can enrol in this full-stack developer course through the official site of GUVI - <https://www.guvi.in/zen>. Further details can be obtained by writing to fullstack@guvi.in

Innovative idea of GUVI

GUVI, which offers an online platform for students to learn in their mother tongues, is offering specialized courses to upskill students and make them 'job ready' without having to leave their house. The mission of GUVI is to take technology skills to all the deserving students and ensure demography is never a barricade to acquire skills.

Towards this, GUVI offers technology skills that are in-demand in the industry in regional languages such as Tamil, Telugu, Kannada, Hindi, Bengali besides English. GUVI is transforming lives by offering tech skills in the language, which the students are familiar throughout their life and is bridging the gap between academia and industry.

Date: 13th December 2020

Media: India Today

Edition: Online

Journalist: NA

Headline: IIT Madras-incubated startup GUVI Zen Class' Coding Course to upskill students, graduates in Covid-19 era

URL: <https://www.indiatoday.in/education-today/news/story/iit-madras-incubated-startup-guvi-zen-class-coding-course-to-upskill-students-graduates-in-covid-19-era-1749235-2020-12-13>

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Headline: ETCETERA- New Courses at IIT Madras Digital Skill Academy

ETCETERA

■ Online PG Programme in Agile

Simplilearn recently announced its partnership with the University of Massachusetts Amherst (UMass Amherst) to offer a specialised six-month Post Graduate Programme (PGP) in Agile. In addition to over 115 hours of applied training, the program includes interactive peer learning through group projects and discussions coupled with six masterclass sessions by the University of Massachusetts Amherst faculty. For details, visit www.simplilearn.com

■ Learn-from-home PGDM

Jagdish Sheth School of Management has launched an exclusive Learn-From-Home AICTE -approved PGDM programme with six specialisations. It also offers hands-on industry experience through mentor sessions, placement support and professional certifications. The fee is ₹4,00,000 with financing options from ₹8,000 a month. For details at <https://jagsom.lfh.live/>

■ New courses at IIT-M's Digital Skills Academy

Indian Institute of Technology Madras Digital Skills Academy recently partnered with Infact Pro Trainers (OPC) to launch certified programmes in Banking, Financial Services, and Insurance Sector (BFSI) Training Courses. Details at <https://skillsacademy.iitm.ac.in>

■ IIIT-Hyderabad launches new programme

International Institute of Information Technology-Hyderabad recently launched an eight-month PG Certificate in Software Engineering for Data Science to be delivered in a blended learning format of live online classes and classroom residencies. For more, visit <https://www.iiit.ac.in/>

■ UGC-recognised online degree programmes launched

Manipal University Jaipur (MUJ) recently announced the launch of online MBA, MCA, BBA, and BCA degree programmes in compliance with the University Grants Commission (UGC) Regula-

tions, 2020. The study-on-the-go model allows students to attend live and recorded sessions, learn at their own convenience, and write online proctored exams from their homes.

■ Imarticus Learning launches PG Programme in Digital Marketing

The industry-collaborated programme comes with a 100% placement assurance with some of the marquee firms in the industry and is in partnership with Digitas India. Learners will also get hands-on training in digital marketing tools to be used in the real world and will be allowed access to four Capstone projects where they can work on real websites to understand and address real-world problems in the digital marketing sector. Visit <https://www.imarticus.org/> for more.

■ XLRI accepts GRE and GMAT scores

XLRI will henceforth accept GRE scores along with GMAT and XAT scores for admission to its Executive PGDM (General) and extended the acceptance period to five years (GMAT score validity from December 1, 2015 to December 31, 2020).

Date: 16th December 2020

Media: The Economic Times

Edition: Online

Journalist: Sreeradha D Basu & Prachi Verma

Headline: IITians bring home those Rs one crore-plus offers this year too, despite the pandemic

URL: https://economictimes.indiatimes.com/jobs/iitians-bring-home-those-rs-one-crore-plus-offers-this-year-too-despite-the-pandemic/articleshow/79750496.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst

About 30 students from Indian Institutes of Technology have bagged offers with packages higher than Rs 1 crore in campus recruitments this year despite the pandemic, with Samsung alone rolling out at least 18 such offers at the country's top engineering colleges. Almost all these crore-plus packages – which include components such as ESOPs, performance bonus among others – have been offered at three IITs – Bombay, Kanpur and Delhi, campus insiders and company officials said. Compared to earlier years when most crore-plus offers were made for US postings, this time they have been distributed across countries like South Korea, Japan, Australia and the Netherlands. Companies that have extended such offers include Sony Corporation, Amsterdam-based trading firm Optiver, California-based information technology company Cohesity, and OKR (objective and key results) software provider Ally.io. Samsung has made seven offers at IIT Bombay, six at IIT Kanpur and five at IIT Delhi, placement cells at the institutes said. Each of these offers is of \$150,000 (Rs 1.1 crore) and made to students in computer science and electric engineering branches. The South Korean electronics major did not respond to ET's email seeking comment till press time Tuesday. Optiver has made seven offers at IIT Bombay of Rs 1.4 crore each. "We have been very impressed with the candidates coming from India; in fact, some of our most talented team members are IIT Bombay alumni," the company said in an email response. "This year, Optiver made employment offers of 157,000 euros per annum to seven IIT Bombay graduates and hope to expand our search for talent in India further in the future." Optiver has hired all the IIT Bombay graduates for its Sydney and Amsterdam offices in research and trading roles. Cohesity, in an email response, said, "We do not share that level of detail regarding our hiring or compensation." It had earlier told ET that it is hiring for software engineer and research engineer positions at the IITs. An IIT Kanpur placement team member said Cohesity had made one international offer at the institute. Sony Corporation has made offers IIT Bombay and IIT Kharagpur. IIT Bombay had earlier said in a release that the Sony offer is above Rs 1 crore. "Hiring good talent has always been the key focus for Sony Corporation (Japan) and India is an important market which has a good talent pool with a plethora of renowned institutions. We have been associated with and recruiting from some of the top IIT institutions for about a decade now, however, we refrain from commenting on specific package offer," the company said over email. Ally.io did not respond to email queries as of press time Tuesday. As reported by ET earlier, the rise in top domestic packages to new highs – in some cases by 30-35% – has also brought cheer to the institutes in a tough year. "A lot of these roles are global in nature where students work with international teams," placement head at a top IIT said on condition of anonymity. At IITs like Roorkee, Guwahati and Madras, top offers have been made by firms such as MTX Group, Quantbox Research and Graviton. These companies have rolled out offers of Rs 70-80 lakh for India postings. For the first time, at these campuses, they have surpassed the top international offers bagged by the students till now.

Date: 19th December 2020

Media: The Economic Times (Clip attached)

Edition: Ahmedabad / Mumbai / Bangalore / Hyderabad / Kolkata / Chennai

Page No: 5

Journalist: Sreeradha Basu, Prachi Verma

Headline: IIT Placements: 2 Wks on, 50% Bag Jobs

URL: <https://economictimes.indiatimes.com/jobs/iit-placements-2-wks-on-50-bag-jobs/articleshow/79806463.cms?from=mdr>

IIT Placements: 2 Weeks on, 50% Bag Jobs

FARING WELL Rush of offers at 7 top institutes; avg salaries rise in some driven by war for tech talent

**Prachi Verma Dadhwal
& Sreeradha D Basu**

New Delhi | Kolkata: IITs continue to break the mould, even in a pandemic year. Just two weeks into the final placement drive, more than half of 10,000 graduates of seven top IITs already have job offers. These seven IITs are those of Delhi, Kanpur, Kharagpur, Guwahati, Madras, BHU, and Roorkee.

ET spoke to all seven IITs about their individual placement numbers so far — and the total across all the institutes comes to 5,300. Top recruiters so far include Microsoft, Intel, Flipkart, Oracle, Vedanta, L&T and ICICI, say IIT placement cells.

The number of offers received this year are close to last year's numbers, and IITs say they expect an improvement in core sector firms' offers in the second phase of placements. Placements will continue in virtual mode till

April-May.

The war for tech talent across IITs is also leading to average salaries moving north. Average domestic salary at Roorkee has risen to ₹20 lakh per annum (lpa) compared to ₹18.63 lpa last year.

The average salary is up at IIT Kharagpur, too, from ₹15 lpa last year to ₹18 lpa this year.

At IIT BHU (Varanasi), the average salary has gone up to ₹18.85 lpa from ₹16.86 lpa last year,



ANISHYA OBHRAI MADAN
Head, Office of Career Services, IIT Delhi



Domestic (salary) packages this year are really good.

Profiles in domains related to finance and tech are driving these packages

said Anil Kumar Agrawal, professor in-charge, Training and

Placement Cell.

"Domestic (salary) packages this year are really good. Profiles in domains related to finance and technology are driving these packages," said Anishya Obhrai Madan, head, Office of Career Services, IIT Delhi.

The highest domestic salary at IIT Kanpur this year is ₹82 lpa, compared to ₹62 lpa last year.

"Considering the unprecedented times, the response superseded our expectations, particularly from software and core engineering industries," said Kantesh Balani, chairman, Students' Placement Office, IIT Kanpur.

The pandemic hasn't even cut short the list of first-time IIT recruiters. At Roorkee, a total of 200 companies are participating, including 54 first timers, according to professor-in-charge, placement and internship, Vinay Sharma. At IIT Madras, a total of 263 companies have registered for placements, of which 53 are visiting for the first time.

Placements at IITs going strong despite the pandemic



At some IITs, more than 60% students registered for placements have got jobs



Average salaries are slightly up this year



Recruitment drives at the IITs are going to continue till Apr-May



Cos like Microsoft, Intel, Oracle, Flipkart are the top recruiters this season



ILLUSTRATION: ANIRBAN BORA

Date: 19th December 2020

Media: The Times of India (Clip attached)

Edition: Mumbai

Page No: 6

Journalist: Yogita Rao

Headline: IIT-B placement offers at 4-yr low

URL: <https://timesofindia.indiatimes.com/city/mumbai/International-placements-at-IIT-Bombay-plunge-to-58-in-Phase-I-from-156-last-year/articleshow/79806844.cms>

Int'l placements at IIT-B plunge to 58 in Phase I from 156 last yr

Yogita.Rao@timesgroup.com

Mumbai: In the midst of the pandemic, IIT-Bombay saw international offers in the first phase of campus placements drop to 58 this year from 156 last year. At IIT-Kharagpur, the number dropped to 30 from 43 and IIT-Madras to 14 from 33 in the first phase last year.

Last year, the Powai institute had seen a 75% rise in international offers from 89 in 2018.

Including pre-placement offers, in the first phase this year, IIT-B got a total of 1,128 offers—down from last year's 1,319. The number is the lowest in four years. At IIT-Madras, it dropped to 945 from 1,045 and IIT-Kharagpur to 1,100 from 1,275. At IIT-Kanpur, 232 recruiters made 821

offers, including pre-placement. It has received 19 international offers so far. IIT-Roorkee had 770 offers from 206 firms, of which nine were for international roles.

Despite the pandemic as well as the economic slowdown, placement cells at most IITs have managed to retain the total number of firms that visited the campuses by aggressively reaching out to newer companies. The number of recruiters visiting IIT-B therefore was at an all-time high this year.

However, the number of offers made by many of the firms dropped this year, bringing down the overall offers made in the first phase of placements, which ended this week.

Officials from most IITs, tho-

ugh, said comparison with previous years would be unfair, considering the economy, travel and logistical challenges in the pandemic. They said the placements, in fact, have been robust despite the challenges.

"Companies have become very choosy this year. Instead of the usual four or five students, many have picked one or two. Many probably would want to wait and see how the pandemic progresses," said a student from a placement cell. Several IITs will continue to recruit in the coming days and the second phase will start in January.

At IIT-Bombay, a UAE-based manufacturing firm, Halcon, which had picked 37 students for international roles last year, did not visit this time. Several

firms may not be keen to hire students from overseas, added a representative. Many IITs received offers from Japanese and Taiwanese firms. At IIT-Kharagpur, the offers from these countries are higher than in 2018. At IIT-B, international offers came from Japan, UAE, Singapore, Hong Kong, Taiwan, Netherlands and one from the US.

The average package this year was Rs 18.4 lakh per annum at IIT-B in the first phase—a drop from last year's Rs 20.3 lakh. While the average package in IT and software increased to Rs 22.35 lakh from Rs 21 lakh, there was a drop in the average package in engineering and technology to Rs 16 lakh from Rs 21 lakh, and research and development to Rs 22 lakh from Rs 27 lakh.

Date: 20th December 2020

Media: The Indian Express

Edition: Online

Journalist: Neetu Nigam

Professor: Prof. CS Shankar Ram

Headline: IIT placements: First phase sees surge in offers, most from Asian countries; rise in new recruiters

URL: <https://indianexpress.com/article/jobs/iit-placements-first-phase-sees-surge-in-offers-most-from-asian-countries-rise-in-new-recruiters-iitm-ac-in-iitk-ac-in-covid-effect-7112046/>

Despite pandemic and a shrinking economy, the number of offers have remained unaffected at the Indian Institute of Technology (IITs) in the first round of placements. The institutes say there has been a surge of offers, especially from Asian countries, with virtual placements helping bridge the gap between recruiters and students' placement cell.

IIT-Roorkee and Kanpur said that the hybrid — online and offline — model has worked for them and will likely remain a permanent feature in campus placements. "We may go for mixed-mode, with more focus on the online mode. A small issue of connectivity or call-quality may be impeding the chances of hiring a deserving person. Nonetheless, the virtual mode will benefit firms, especially international firms, who otherwise may not plan to travel to the institute," said Dr Kantesh Balani, chairman, IIT-Kanpur student placement office.

Most IITs have also witnessed a rise in domestic recruiters and an increase in compensation. More than 753 offers have been made in the first 10 days of the placement at IIT Madras.

However, there has been a decline in the number of international offers, said both IIT-Madras and Kanpur. "Last year, 23 international profiles were offered, and this year 19 international offers were extended to the students," said IIT Kanpur's chairman. For IIT-Roorkee, the number of international offers from Asian countries has fairly increased. For IIT-Hyderabad, Japan and Taiwan were prominent recruiters.

Meanwhile, there has been an increase in new recruiters. Over 50 new firms participated for the first time in IIT-Kanpur's placement, over 53 at IIT-Madras. These are mainly software-based start-ups. The most promising sector was coding/software firms followed by core firms. "We are expecting educational institutions to participate in phase 2 placements," said Prof CS Shankar Ram from IIT-Madras.

Some of the big recruiters are Microsoft, Texas Instruments, Bajaj Auto, ISRO among others. Tata Projects Ltd claims to have hired about 69 IIT students of which the maximum are from IIT Delhi (23) and IIT Bombay (21).

In a positive trend, the average packages offered by the domestic companies have also improved. IIT-Roorkee students have bagged a fat salary offer of Rs 80 lakh as against Rs 62.28 lakh last year. Similarly, IIT-Kanpur's students have bagged the highest Rs 82 lakh CTC while it was Rs 62 lakh per annum in 2019. However, the average package offered by the international firms was the same as last year.

Apart from job offers, even the students opting for placement is higher than in the previous years. IIT-Hyderabad has registered 550 students as against 490 in the last year. Similarly, IIT-Madras has seen a spike in registration with 1450 students participating as against 1419 students last year.

Early this year, several IITs complained that the leading companies have withdrawn or deferred offers, however, the institutes are positive that it is “not expected this time as all the organisations are gearing up for a post-COVID scenario.”

Date: 20th December 2020

Media: The Economic Times (Clip attached)

Edition: Ahmedabad / Hyderabad / Kolkata / Mumbai / New Delhi / Chennai / Pune

Page No: 6

Journalist: Saumya Bhattacharya, Shantanu Nandan Sharma

Professor: Prof. CS Shankar Ram

Headline: The Talent Mix

URL: <https://economictimes.indiatimes.com/industry/services/education/new-school-of-thought-for-indias-educational-institutions-a-blended-model-may-be-the-only-answer/articleshow/79816578.cms>



By Saumya Bhattacharya

We have never hired butchers, but the pandemic changed that," says Rituparna Chakraborty, cofounder and executive vice-president, Teamlease Services, India's leading staffing company.

As consumers shifted to apps to order fish and meat instead of visiting the unorganised wet markets during the pandemic, these online service providers sought to hire skilled butchers for their growing business. This created demand for butchers as a category of employees. For a good 10 days in June, recruiters from Teamlease were clueless about how to find this new category of employees to meet the urgent demand. In the midst of the pandemic, these recruiters visited shops in wet markets, mainly in metros, to find talent. Gradually, as butchers came on board, Teamlease got skilling companies to train them.

The demand that started with a shift in consumer behaviour during the lockdown has managed to stick even in the "unlock-downs". The staffing company placed 400-500 butchers in the lockdown. Now, it places about 100 a month on a salary of ₹15,000-22,000 – more than what a last-mile delivery agent makes (₹13,000-18,000).

"The process of mobilisation of butchers, who were employed informally, with training in hygiene and slicing techniques, paves the path for the formalisation of a profile that for the longest time was mostly informal," says Chakraborty.

This formalisation is a small indicator of how distinctive and nuanced the impact of digital transformation is on the talent market. From last-mile agents to campuses, from freelancers to the middle- and senior-level leadership, the accelerated digital transformation in the post-Covid world has begun to change the complexion of the Indian workforce. The pandemic is emerging as the biggest inflexion point for the talent market as India adapts to a post-Covid world. The changes that began in 2020 will accelerate further in 2021 and beyond, say talent watchers and job market experts.

There is no going back to the pre-Covid world in its entirety. While campuses have adapted to blended

NO GOING BACK

Changes that are here to stay in the post-Covid job market

Rapid Adoption of Digitalisation

The trend got amplified across hiring workflows. Video interviews and assessments have replaced face-to-face meets.



Acceptance of Remote Working

Senior leadership has embraced work from home as long as there is no compromise on productivity.

Wider Talent Scan

As more job roles have become location-agnostic, the web for talent can be spread wider, even across countries.



Diversity Advantage

WFH gives an opportunity to bring more women into multiple job roles.

Field of Knowledge

Digital skills have become a prerequisite for most job roles, almost like English and communication skills.



learning and virtual placements, companies are finding their feet in the hybrid workplace model that will constitute work-from-home, work-from-office and work-from-anywhere. Companies are being forced to digitise and look for agile solutions.

Corporate India's hiring plans continue to feel the impact of the pandemic, though there has been a small pick-up in sentiment. The corporate job market is seeing an upward, albeit slow, movement, and the trend is expected to continue in 2021.

Teamlease's employment outlook report for October-December states the "Intent to Hire" metric (the percentage of employers likely to hire employees during the quarter) seems to have nudged the corner and is set to witness a noticeable 3% increase in October-December 2020. Metro and tier-1 cities are likely to benefit significantly from the unlock initiatives, reveals the survey that covers 137 small, medium and large companies across 21 sectors.

The latest research from ManpowerGroup shows nearly 65% of companies intend to reach pre-Covid hiring levels within six months. "That, coupled with the government's focus on simplifying labour laws and investing in infrastructure projects, may help the recovery to a great extent," says Sandeep Gulati, group managing director of ManpowerGroup India. "There is definitely optimism in the job market as corporates are gearing up to stabilise operations and attain business-as-usual in the new year. The news of the vaccine has created positive vibes and everyone hopes the situation will get back to normalcy in the immediate future."

Unlike their tier-2 and -3 counterparts, India's top business and technology schools have beaten the Covid blues in their summer and final placements, respectively.

Indian Institutes of Technology have had a strong final placement season that began in December. "Compared to last year, companies have participated with large profiles," says Abhishek Kumar, head-Center for Career Development, IIT-Guwahati.

There is hope of more. "We are optimistic of more recruitment in phase-2 that starts in the second half of January," says CS Shankar Ram, advisor, training & placement, IIT-Madras.



"There is no long-drawn impact on placements as of now. We just closed our first virtual summer placements successfully. As early as July-August, we knew the job offers weren't bad. Some top firms have hired more than previous years."

AMIT KARN, chairperson of placements, IIM-Ahmedabad

Date: 19th December 2020

Media: Data Quest

Edition: Online

Journalist: NA

Headline: IIT Madras Invites Applications for Second Round of Qualifiers for Online BSc Degree in Data Science

URL: <https://www.dqindia.com/iit-madras-invites-applications-second-round-qualifiers-online-bsc-degree-data-science/>

IIT Madras has invited applications for the second round of qualifiers for its online BSc degree in data science that was launched by the institute earlier this year. Interested students will have to apply for the qualifier round to take the online BSc degree in data science. After submitting online applications, learners will have to go through a qualifier process, wherein they will get access to 4 weeks of content for the four foundational level courses namely English I, Mathematics for Data Science I, Statistics for Data Science I and Computational Thinking.

Learners will be provided with two to three hours of video content each week, including an assignment for each course that needs to be completed and submitted online before the given deadline. Only participants who are able to score the required average assignment scores in all four courses will be allowed to write the qualifier exam

All You Need to Know about the IIT Madras Online BSc Degree in Data Science

The IIT Madras online BSc Degree in programming and data science which has flexible multiple exits wherein learners can chose to exit from the foundational level with a certificate from Centre for Continuing Education, IIT Madras; diploma level with a diploma in programming or data science from IIT Madras; or the BSc level with a BSc degree in programming and data science from IIT Madras.

- The foundational level costs Rs 4000 for each course, and has around 8 courses that learners can take.
- The diploma level consists of two sections, and each course in skill enhancement would cost Rs 5000, and all others would cost Rs 10,000.
- The online BSc degree in programming and data science would take around 3 to 6 years to complete, and each course in skill enhancement would cost Rs 5000, and all others would cost Rs 10,000.

How to Enroll for IIT Madras Online BSc Degree in Data Science

Interested participants can enroll on the official website for the qualifiers until 6 February 2021 and the qualifier phase starts from 1 March 2021. Those who wish to enroll for the online BSc degree in programming and data science are advised to go through the **official website** for more information.

Date: 19th December 2020

Media: Analytics India Mag

Edition: Online

Journalist: NA

Headline: Artificial Intelligence In The New Normal – Attitude Of Public In India

URL: <https://analyticsindiamag.com/artificial-intelligence-in-the-new-normal-attitude-of-public-in-india/>

The coronavirus has unleashed a medical, social and economic crisis of unimaginable intensity. And in response, the world is discovering a state of new normal. Prime Minister Narendra Modi has highlighted how the COVID-19 pandemic has resulted in an ever-increasing adoption of technology at a scale unknown till recently.

Where does Artificial Intelligence (AI) feature in this new normal?

In the medical world, AI has been applied to COVID-19 in four areas: diagnosis, public health, clinical decision-making, and therapeutics. Businesses in India are leveraging emerging technologies including AI with the intent of maintaining continuity of their operations and customer service. A recent study suggests that the highest increase in the use of AI in these times has been witnessed in India.

I anchored a study (Survey was conducted in Nov-Dec 2020, by the IIT Madras Alumni Association in collaboration with the Office of the Principal Scientific Adviser to the Government of India, and had 1564 respondents) to understand the perceptions of the public in India about the new normal, science and technology, and in particular Artificial Intelligence.

Figure 1: When think of "emerging technologies", what comes to mind foremost? (n=1222)
Public attitude on Artificial Intelligence

The topmost 'emerging technology' that the public recalled is Artificial Intelligence. **43%** of them pick AI, which is as much as the numbers for the next six emerging technologies put together. In India, we see policymakers and organizations like MeitY, NITI Aayog, NASSCOM and others place emphasis on AI.

When asked about the top technology priorities for India, the public identified Information Technology including AI, agriculture technology and environmental technology (technology for energy, water, air etc.) as the top three priorities. We are beginning to see several promising startups in India focused on such priorities.

On AI Applications

As Fig 2 suggests, the public is comfortable when it comes to the usage of AI in applications like manufacturing that included automation and robots in factories and language translation.

Date: 20th December 2020

Media: Tech Gig

Edition: Online

Journalist: NA

Professor: Prof. V kamakoti

Headline: IIT Madras launches online course on Cybersecurity

URL: <https://content.techgig.com/iit-madras-launches-online-course-on-cybersecurity/articleshow/79827646.cms>

Cybersecurity is among the most in-demand tech fields in 2020. IIT Madras has acknowledged this need and started an online course for graduates and diploma holders on cybersecurity.

The certification course called 'Certified Cyber Warriors' is offered through the Digital Skills Academy of IIT Madras. The course will help participants in getting introduced to tips and tricks on how to prevent attacks. The program will teach you actionable techniques for industry and academia experts.

The online course will be delivered by Prof V Kamakoti of IIT Madras and other guests faculties from IIT Delhi, Madras and IIT Bangalore. The course will take 14 weeks of time to complete.

The curriculum includes the following topics:

- Introduction and overview of cybersecurity
- Digital forensics
- IT and cyber law
- Cryptography
- Physical security and importance
- Governance and compliance
- Cyber risk and cyber insurance best practices
- Network security: the corporate culture
- Offensive Security: hackers mind
- Mobile security: common man vulnerability
- Cloud security: the global problem
- Dark web and Deep web: Does it really exist
- Risk Management: It is very important?
- Security operation centre: Need of the hour
- Application Security: Every organisation's real problem
- Cybersecurity design and maintaining resilience and best practices
- Malware analysis: An overview
- Critical security components: Discussion
- Incident management: An overview

The students interested in the program need to invest total 56 hours over the 14 weeks period. Those interested in taking the course need to register themselves on the [official website](#) and pay Rs 1,41,600 as exam fees. The successful finishers will be awarded the certificate of completion by IIT Madras.

Date: 22nd December 2020

Media: CIOL

Edition: Online

Journalist: NA

Professor: Prof. Deepak Khemani

Headline: IIT Madras and NPTEL invite applications for Free Online Course on Artificial Intelligence

URL: <https://www.ciol.com/iit-madras-nptel-invite-applications-free-online-course-artificial-intelligence/>

IIT Madras has organised this course while keeping in mind the growing usage of Artificial Intelligence in every industry. IIT madras states that an intelligent agent needs to be able to solve problems in its world. The ability to create representations of the domain of interest and reason with these representations is key to intelligence.

In this course, IIT Madras explores a variety of representation formalisms and the associated algorithms for reasoning. It starts with a simple language of propositions and moves on to first-order logic. Further, it moves to representations for reasoning about action, change, situations, and about other agents in incomplete information situations. Moreover, this course is a companion to the course "[Artificial Intelligence: Search Methods for Problem Solving](#)" that IIT Madras offered recently. The lectures for it are available online.

Who can enrol in the course?

This is an Undergraduate computer science level course. But anyone can enrol in the course. The only prerequisite is you should know have some exposure to formal languages, logic and programming. You also should have the desire to expand the horizon of your knowledge. Moreover, this course is a must-take for people willing to go into software companies dealing with knowledge and reasoning. This also includes the semantic web and semantic search.

Timeline of the course

This Elective course has a duration of 12 weeks. It will start from 18 January 2021 and end on 9 April 2021. If you want the certificate, you have to give a proctored exam on 24 April 2021. The last date to enrol is 25 January 2020.

Who will teach this Machine Learning course?

Prof. Deepak Khemani will lead the course. He is a professor at the Department of Computer Science and Engineering, IIT Madras. He completed his B.Tech. (1980) in Mechanical Engineering and M.Tech. (1983) and PhD. (1989) in Computer Science from IIT Bombay, and has been with IIT Madras since then. In between, he spent a year at Tata Research Development and Design Centre, Pune and another at IIT Mandi. He has also had shorter stays at several Computing departments in Europe.

Prof Khemani's long-term goals are to build articulate problem-solving systems using AI that can interact with human beings. His research interests include Memory-Based Reasoning, Knowledge Representation and Reasoning, Planning and Constraint Satisfaction, Qualitative Reasoning and Natural Language Processing.

What will the course teach?

This is an 8-week-long course. Here's the itinerary for the course.

W1: Introduction, Propositional Logic, Syntax and Semantics
W2: Proof Systems, Natural Deduction, Tableau Method, Resolution Method
W3: First Order Logic (FOL), Syntax and Semantics, Unification, Forward Chaining

W4: The Rete Algorithm, Rete example, and also Programming Rule-Based Systems
W5: Representation in FOL, Categories and Properties, Reification, Event Calculus
W6: Deductive Retrieval, Backward Chaining, Logic Programming with Prolog
W7: Resolution Refutation in FOL, FOL with Equality, Complexity of Theorem Proving
W8: Description Logic (DL), Structure Matching, Classification
W9: Extensions of DL, The ALC Language, Inheritance in Taxonomies
W10: Default Reasoning, Circumscription, and also the Event Calculus Revisited
W11: Default Logic, Autoepistemic Logic, Epistemic Logic, Multi-Agent Scenarios

Optional Topics A: Conceptual Dependency (CD) Theory, Understanding Natural Language
Optional Topics B: Semantic Nets, Frames, Scripts, Goals and Plans

How to obtain a certificate from IIT Madras?

The course is free to enrol and learn. But if you want a certificate, you have to register and write the optional proctored exam. The fee for this exam is ₹ 1000. Also, the successful completion of the exam does not guarantee a certificate. To get a certificate, you need to get 25% from the assignments and 75% of the proctored certification exam score out of 100.

Final score = Average assignment score ($>10/25$) + Exam score ($>30/75$). If one of the 2 criteria is not met, you will still not get the certificate even if the Final score $> 40/100$.

This printable certificate will carry the stamp from both NPTEL and IIT Madras.

Further, enrol in the course [here](#).

Date: 22nd December 2020

Media: HT Syndicate

Edition: Online

Journalist: NA

Headline: IIT Madras and NPTEL invite applications for Free Online Course on Artificial Intelligence

URL: <https://www.htsyndication.com/ciol/article/iit-madras-and-nptel-invite-applications-for-free-online-course-on-artificial-intelligence/47605191>

IIT Madras has organised this course while keeping in mind the growing usage of Artificial Intelligence in every industry. IIT madras states that an intelligent agent needs to be able to solve problems in its world. The ability to create representations of the domain of interest and reason with these representations is key to intelligence.

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W7: Resolution Refutation in FOL, FOL with Equality, Complexity of Theorem Proving
W8: Description Logic (DL), Structure Matching, Classification
W9: Extensions of DL, The ALC Language, Inheritance in Taxonomies
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W11: Default Logic, Autoepistemic Logic, Epistemic Logic, Multi-Agent Scenarios

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This printable certificate will carry the stamp from both NPTEL and IIT Madras.

Further, enrol in the course [here](#).

Date: 23rd December 2020

Media: The Hindu Tamil

Edition: Online

Journalist: NA

Headline: ஆன்லைன் மூலம் வங்கி, நிதிச் சான்றிதழ் படிப்பு: ஐஐடி சென்னையுடன் இன்ஃபாக்ட் புரோ ஒப்பந்தம் (Online certificate course in Banking and Financial Sectors: INFAC PRO TRAINER signs MoU with IIT Madras)

URL: <https://www.hindutamil.in/news/vetrikodi/news/614719-iit-madras-digital-skills-academy-launches-banking-financial-services-insurance-sector-training-courses.html>

வங்கி, நிதி மற்றும் காப்பீடு சார்ந்த சான்றிதழ் வகுப்புகளை நடத்த ஐஐடி சென்னையுடன் இன்ஃபாக்ட் புரோ பயிற்சி நிறுவனம் ஒப்பந்தம் மேற்கொண்டுள்ளது. இந்த ஒப்பந்தத்தின்படி சான்றிதழ் படிப்புக்கான அங்கீகாரச் சான்றிதழை ஐஐடி சென்னை வழங்கும். இதற்கான அனைத்துப் பாடங்களும் ஆன்லைன் மூலம் நடத்தப்படும். Powered by Ad.Plus இந்தச் சான்றிதழ் படிப்பு நிதி, டிஜிட்டல் வங்கிச் சேவை, பரஸ்பர நிதிகள், காப்பீடு பங்கு பத்திரப் பரிவர்த்தனை, கடன் பத்திர முதலீடு சார்ந்த அனைத்தையும் உள்ளடக்கியதாக இருக்கும். இந்தச் சான்றிதழ் படிப்புகளை டிஜிட்டல் ஸ்கில் அகாடமி அளிக்கும். சான்றிதழ் படிப்பு விவரங்களை ஐஐடி சென்னையின் இணையதள முகவரியில் (<http://skillsacademy.iitm.ac.in>) தெரிந்துகொள்ளலாம். ஐஐடி சென்னையின் வேதியியல் பிரிவு பேராசிரியர் மங்கள சுந்தர், டிஜிட்டல் ஸ்கில் பிரிவுக்கு ஒருங்கிணைப்பாளராக உள்ளார். சான்றிதழ் படிப்பு குறித்து அவர் கூறும்போது, "பட்டப்படிப்பு முடித்தவர்களுக்கும், ஏற்கெனவே பணியில் இருப்பவர்களுக்கும் அவர்களது திறனை மேம்படுத்திக் கொள்ள வேண்டிய அவசியம் உள்ளது. அதற்கு இதுபோன்ற சான்றிதழ் படிப்புகள் நிச்சயம் உதவும்" என்று தெரிவித்துள்ளார். டிஜிட்டல் ஸ்கில் அகாடமியில் காக்னிஸன்ட் டெக்னாலஜி நிறுவனர் லட்சுமி நாராயணன் மற்றும் ஐஐடி முன்னாள் இயக்குநர் எம்.எஸ். ஆனந்த் ஆகியோர் இடம்பெற்றுள்ளனர். நாஸ்காமில் உள்ளவர்கள் ஆலோசனைக் குழு உறுப்பினர்களாகவும் உள்ளனர். இதன் தலைமை அறங்காவலராக சென்னை ஐஐடி இயக்குநர் உள்ளார்.

Date: 25th December 2020

Media: The Times of India (clip attached)

Edition: Chennai / Bangalore / Ahemadabad

Page No: 9

Journalist: Manash Gohain

Professor: Prof. Nirav P. Bhatt, Prof. Raghunathan Rengaswamy

Spokesperson Quoted: Mr. Alexander Daniel Corral Ward

Headline: IIT-Madras goes virtual to lure int'l research scholars

IIT-Madras goes virtual to lure int'l research scholars

TIMES NEWS NETWORK

New Delhi: Alexander Daniel Corral Ward, a research scholar from the University of New South Wales in Australia has been pursuing research work at IIT-Madras for past two months, albeit virtually. He is part of the institute's key programme to attract international students for research internships, which has been made completely online to overcome travel restrictions caused by the Covid-19 situation.

The Global Research Internship in Engineering, Science, Humanities and Management (GRIESHMA) was launched in 2019 by the office of global engagement, IIT-Madras, to attract research scholars from abroad, offering them six to eight weeks of paid internship on



GRIESHMA was launched in 2019 by IIT-Madras, to attract research scholars from abroad, offering them six to eight weeks of paid internship on campus

campus. Converted now to 'e-GRIESHMA,' this research internship programme is being offered completely online.

Sharing his experience Ward said: "We (me and the faculty) have been meeting virtually on a weekly basis and the work has involved a lot of reading and research as well as some technical tasks. I have learnt a lot about different types of deep learning models and their applications in a computational biology context. So far the project is really interesting

and I think I will learn a lot."

Ward is working with professor Nirav Bhatt, department of biotechnology, IIT-Madras, on a research project in Computational Biology. Bhatt said: "e-GRIESHMA is a good programme to interact with international undergraduate students. Ward and I had interacted through google meet platform every 8-10 days to discuss a project in the area of AI for prediction of biological properties."

According to IIT-Madras, the programme has genera-

ted a lot of interest among research students from countries as diverse as Australia and Nepal. The programme can extend up to 12 weeks and students are awarded a certificate on completion.

Four research scholars from Australia and Nepal have already been accepted into the programme for the July-November 2020 Semester. The institute is planning to attract around 20 international scholars for the e-GRIESHMA programme by July 2021. Highlighting the internationalisation initiatives of IIT-Madras, Prof Raghunathan Rengaswamy, dean (global engagement), said: "The office of global engagement is committed to internationalisation efforts through a variety of initiatives targeted at different academic stakeholders."

Date: 25th December 2020

Media: Trinity Mirror (Clip attached)

Edition: Chennai

Page No: 4

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam, Prof. V. V. Raghavendra Sai, Dr. Kavitha Arunachalam, Prof. Pradeep Thalappil, Prof. Prabhu Rajagopal, Dr. P. Anbarasan

Alumni: Mr. Prem Watsa

Spokesperson: Mr. Venu Srinivasan

Headline: IIT Madras makes significant progress in 2020 in several areas despite COVID-19 challenge

IIT Madras makes significant progress in 2020 in several areas despite COVID-19 challenge

Chennai, Dec. 25: Despite facing a challenging year brought about by COVID-19, Indian Institute of Technology Madras has risen to the occasion and undertaken many initiatives for the welfare of the nation. The Institute adapted to the unprecedented situation created by this pandemic by introducing many innovations that not only benefited its students but also the country at large.

For the first time in its history, the Institute conducted its Convocation using a 'mixed-reality mode' that saw a combination of physical and virtual worlds. A video of the Convocation 2020 can be downloaded from this link - <https://frommash.com/IIT-Madras-Convocation-2020>. The Institute also launched the world's first-ever B.Sc. Degree in Programming and Data Science which is being offered completely online and is open to all candidates having completed Standard XII.

With the country facing a threat of proportions never witnessed before in the form of COVID-19, IIT Madras and the start-ups incubated by the Institute went all out in helping the nation. From infrastructure and diagnosis to PPEs, the faculty and start-ups came up with solutions for problems across the board.

Sharing the Institute priorities for the upcoming year, Prof. Bhaskar Ramamurthi, Director, IIT Madras, said, "In the midst of the challenges posed by Covid-19, the faculty, students and staff at IIT Madras discovered their inherent resilience. Looking back, we can say that we have not just kept the needle moving on all fronts - teaching, research, industry engagement, and start-ups - but actually discovered hitherto hidden reserves in ourselves which will enable us to move forward even faster and better once the pandemic is behind us."

With the launch of online B.Sc. Degree in Programming and Data Science, IIT Madras took a major step towards eliminating barriers to

quality education such as academic background and geographic location. This program aims to create a thoroughly trained programmer, proficient in application development, data sciences and machine learning. The program is flexible with multiple entry and exit points for learners from different backgrounds with different aspirations.

IIT Madras once again emerged as the undisputed leader in education in India this year, bagging the top honours in National Institutional Rankings Framework (NIRF) 2020 of the Ministry of Education, Government of India. The Institute was ranked No. 1 in India in both 'Overall' and 'Engineering' categories in NIRF 2020. This is second consecutive year, IIT Madras has bagged the Top Rank in 'Overall' Category and No. 1 in 'Engineering' category for the fifth consecutive year. IIT Madras has also been identified as an 'Institution of Excellence' by the Government of India.

COVID-19-related Innovations and Entrepreneurship

Modulus Housing Start-up developed a portable hospital unit that can be installed anywhere in the country within a few hours to treat COVID-19 patients. Called 'MedCAM', these microstructures have already been deployed successfully in Wayanad district of Kerala with mass deployments in the pipeline. Meta Wearables, another IITM-incubated start-up, developed and launched a smart wearable tracker that could detect COVID-19 symptoms.

IIT Madras-supported start-ups such as Fabheads Automation and Axis Defence Labs developed PPEs such as face shields from 3D Printers as well as commonly available stationary materials besides to protect frontline healthcare professionals.

In addition, a team led by Dr. Mohanasankar Sivaprakasam, Department of Electrical Engineering, IIT Madras, partnered with Holsen, a healthcare startup in IIT Madras Research Park, to develop and deploy a remote

patient monitoring solutions for COVID-19. The device is a first-of-its-kind in the market that does clinically accurate continuous monitoring of four critical parameters - Temperature, Oxygen Saturation, Respiratory Rate and Heart Rate.

Dr. V. V. Raghavendra Sai, Department of Applied Mechanics, IIT Madras, collaborated with RICOVR Healthcare Inc., a US-based rapid diagnostics platform company, to develop a revolutionary 'point-of-care COVID-19 antigen test' that can provide results in five minutes using saliva. This project won the prestigious 'Ignition Grants' Award from the U.S. India Science and Technology Endowment Fund (USISTEF). Dr. Kavitha Arunachalam, Associate Professor, Department of Engineering Design, IIT Madras, collaborated with the industry to develop a 'touchless sanitizer dispenser' that can be deployed in running vehicles such as cars, vans, buses and even auto rickshaws. This design was scalable for use with both AC and DC power.

The Institute was also adjudged as the 'Top Innovative Educational Institute in India' for the second consecutive year by the Government of India. It was Ranked #1 in the Arai Ranking of Institutions on Innovation Achievements (AIIA) launched last year by the Innovation Cell of the Ministry of Education.

Recognition of the Institute's innovation and entrepreneurship also came from the private sector with the Confederation of Indian Industry (CII) recently judging the institute as 'The Most Innovative Institute of the Year' for its Disruptive Innovations Internships and Placements.

The institute also witnessed a robust placement season, which was conducted completely online for the first time. As many as 186 Pre-Placement Offers (PPOs) offers were made to IIT Madras students this academic year of 2020-21 as against 170 offers during 2019-20 Academic year. The driving force of this performance in PPOs was the strong internship programme of the Institute.

The Internship Drive was conducted completely online this year, for the first time in the history of the Institute, to overcome the logistical restrictions due to the pandemic. Day

One of this Internship Drive alone saw the participation of 20 companies who made as many as 152 offers to Undergraduate Students. The last year's figure was 147 offers, made on Day One of 2019.

Recognition and Research

The institute faculty, researchers and students published paper in reputed peer-reviewed high-impact journals in various fields including:

- producing hydrogen from seawater,
- treating cancer using clove oil,
- detecting tuberculosis from urine samples,
- various aspects of COVID-19,
- Lithium ion batteries,
- electric vehicle braking systems,
- text-to-speech conversion,
- how dust impacts snow melt in the Himalayas,
- energy efficiency in Indian industries, and
- Post-Quantum Cryptography, among many other areas.

The Institute also had the distinction of Padma Awards being conferred by the Government of India on its faculty members and distinguished alumni.

○ Padma Shri conferred on Prof. Pradeep Thalappil, Institute Professor, Department of Chemistry, IIT Madras

○ Padma Bhushan conferred on Mr. Venu Srinivasan, Chairman, TVS Group and Honorary Professor of Practice, IIT Madras.

○ Padma Shri conferred on Mr. Prem Watsa, Founder-Chairman, Fairfax Financial Holdings, and Distinguished Alumnus, Batch of 1971, IIT Madras.

Two faculty members from IIT Madras were selected for the prestigious 'Swarajya Fellowship' Awards for 2019-20 given by Department of Science and Technology, Government of India. Prof. Prabhu Rajagopal, Department of Mechanical Engineering, IIT Madras, and Dr. P. Anbarasan, Associate Professor, Department of Chemistry, IIT Madras, were among the only 21 researchers in India to have been selected for this recognition.

Date: 24th December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Pradeep Thalappil

Alumni: Mr. Prem Watsa

Spokesperson: Mr. Venu Srinivasan

Headline: Despite COVID-19 cluster, many achievements at IIT-M in 2020

URL: <https://www.thehindu.com/news/cities/chennai/despite-covid-19-cluster-many-achievements-at-iit-m-in-2020/article33411267.ece>

It was a year of achievements for the Indian Institute of Technology Madras, which introduced some important changes in the field of higher education. Institute director Bhaskar Ramamurthi said apart from teaching, research, continuing with industry engagement and start-ups, the institute had discovered "hitherto hidden reserves in ourselves which will enable us to move forward even faster and better once the pandemic is behind us."

The COVID-19 pandemic led to the institute holding its convocation using mixed reality.

The institute launched a novel B.Sc degree in programming and data science, open to all those who had completed class 12, removing barriers to quality education such as academic background and geographic location.

'Innovative solutions to pandemic challenges'

The Institute's solutions to challenges thrown up by COVID-19 won it the top 'innovative education institute' in the country award.

The Institute's start-ups came up with modular housing, a portable hospital unit and a smart tracker that when worn on the wrist, could detect COVID-19 symptoms. An Institute-supported start up developed personal protective equipment such as face shields using 3-D printers.

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Two professors from the institute were among the 21 chosen for the Swarnajayanti fellowship across the country.

At the end of the year, **the institute became a cluster for COVID-19 cases**, but it was soon contained as a joint effort between the institution, Chennai Corporation and the Health Department.

Date: 24th December 2020

Media: ABP Education

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam, Prof. V. V. Raghavendra Sai, Dr. Kavitha Arunachalam, Prof. Pradeep Thalappil, Prof. Prabhu Rajagopal, Dr. P. Anbarasan

Alumni: Mr. Prem Watsa

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Headline: Despite Covid-19, IIT Madras displayed significant progress in 2020

URL: <https://www.abpeducation.com/news/despite-covid-19-iimt-madras-displayed-significant-progress-in-2020/cid/1205916>

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Date: 24th December 2020

Media: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam, Prof. V. V. Raghavendra Sai, Dr. Kavitha Arunachalam, Prof. Pradeep Thalappil, Prof. Prabhu Rajagopal, Dr. P. Anbarasan

Alumni: Mr. Prem Watsa

Spokesperson: Mr. Venu Srinivasan

Headline: IIT Madras made significant progress in 2020 in several areas despite COVID-19 challenge

URL: <https://skilloutlook.com/education/iit-madras-made-significant-progress-in-2020-in-several-areas-despite-covid-19-challenge>

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Date: 25th December 2020

Media: ETV Bharat

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam, Prof. V. V. Raghavendra Sai, Dr. Kavitha Arunachalam, Prof. Pradeep Thalappil, Prof. Prabhu Rajagopal, Dr. P. Anbarasan

Alumni: Mr. Prem Watsa

Spokesperson: Mr. Venu Srinivasan

Headline: IIT-M made significant progress in 2020 despite pandemic

URL: <https://react.etvbharat.com/english/national/state/tamil-nadu/iit-madras-made-significant-progress-in-2020-in-several-areas-despite-covid-19-challenge/na20201225130438378>

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Date: 25th December 2020

Media: The Indian Education Diary

Edition: Online

Journalist: S. Vishnu Sharma

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam, Prof. V. V. Raghavendra Sai, Dr. Kavitha Arunachalam, Prof. Pradeep Thalappil, Prof. Prabhu Rajagopal, Dr. P. Anbarasan

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Headline: IIT Madras made significant progress in 2020 in several areas despite COVID-19 challenge

URL: <https://indiaeducationdiary.in/iit-madras-made-significant-progress-in-2020-in-several-areas-despite-covid-19-challenge/>

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Date: 26th December 2020

Media: The Economic Times

Edition: Bangalore / Jaipur / Ahmedabad / New Delhi / Kolkata / Mumbai

Page No: 4

Journalist: Sreeradha D Basu, Prachi Verma

Headline: International Offers at IITs Hit by Pandemic Blues

URL: <https://economictimes.indiatimes.com/jobs/international-offers-at-iits-hit-by-the-pandemic-blues/articleshow/79958346.cms>

International Offers at IITs Hit by the Pandemic Blues

Seven top IITs have together received 137 offers for international locations for the class of 2021, less than half of previous batch offers

**Sreeradha D Basu &
Prachi Verma Dadhwal**

Kolkata | New Delhi: International offers at Indian Institutes of Technology, which grew for the past three years, have hit a Covid-19 speedbump this year.

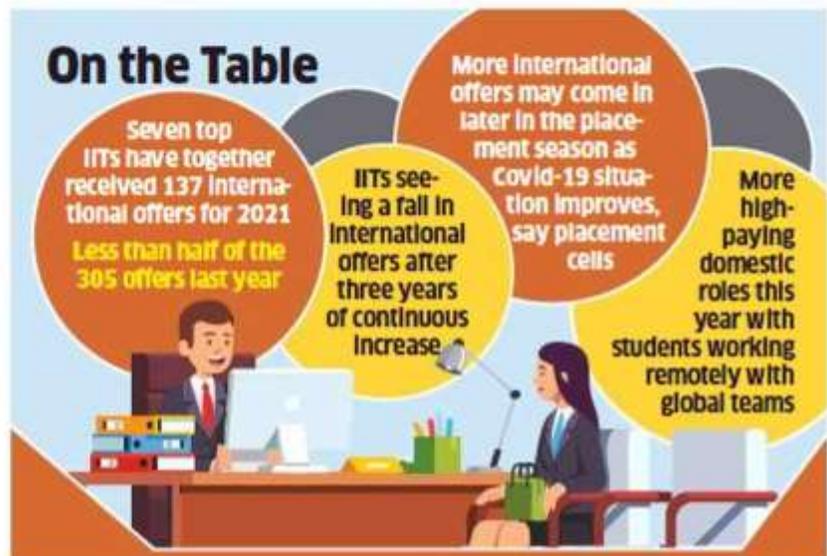
Seven top IITs — Bombay, Madras, Kharagpur, Guwahati, Kanpur, Roorkee and BHU — have together received 137 offers for international locations till now for the class of 2021, less than half of the 305 offers the previous batch had received, according to data culled from the institutes' placement cells.

The sharpest drop in terms of numbers is at IIT-Bombay, where there are just 58 international offers this time, compared with last year's 156. IIT-Madras has 14 offers against 33 for the 2020 batch, while at Guwahati, the number has dropped to a quarter of last year at seven. IIT-BHU has not received any foreign offers so far; it had five last year.

While there are hardly any offers from the US, with the likes of Microsoft and Uber not opening up international profiles so far, students have bagged offers from Japan, the UAE, Singapore, the Netherlands, Hong Kong and Taiwan.

There is a possibility of more offers coming in later, placement cells said.

"In some cases, companies have told us that they are holding back international offers. But they intend to hire for these roles as soon as the situation improves," Vinay Sharma, professor-in-charge, placement and



internship at IIT-Roorkee, told ET. The institute has nine international offers so far; it had 15 last year. For IIT-Kharagpur, it's 30 so far compared with last year's 45, while at IIT-Kanpur, the number has dropped to 19 from 23.

Meanwhile, IITs have seen a jump in top domestic packages, with pay for India-based roles going up to Rs 70-80 lakh at the high end, as companies, in the new normal, realise that students can contribute to the global team as effectively sitting in India.

Accordingly, students are being paid for the skills they possess, irrespective of location.

"One student has even turned down a crore-plus international offer to take up a domestic role with Microsoft," said a placement cell

member at a top IIT. As reported by ET earlier, around 30 students have bagged international offers of more than ₹1 crore this year from Samsung, Sony Corp, Optiver and Ally.io. Cohesity gave the higher offer of \$200,000 (₹1.47 crore).

Other prominent recruiters at IIT-Bombay included Honda (R&D) of Japan (₹58 lakh), Taiwan Semiconductor Manufacturing Company (₹51.9 lakh) and NEC Japan (₹34.7 lakh). The 14 offers at IIT-Madras came from Micron Technologies (6), Accenture Japan (5) and Taiwan Semiconductor (3).

At IIT-Guwahati, the offers have mostly come from Japan and Singapore, said Abhishek Kumar, head—centre for career development at the institute.

Date: 28th December 2020

Media: The Hindu- Education Plus

Edifion: Bangalore / Chennai / Hyderabad / Mumbai / New Delhi

Page No: 2

Journalist: NA

Headline: ETCETERA: IIT-M admits first batch of Online Programme

ETCETERA

- Virtual convocation at XIME-Bengaluru**

Xavier Institute of Management and Entrepreneurship, Bengaluru, conducted its 24th convocation recently in hybrid mode. Chief Guest Kamal Bali, President and Managing Director, Volvo Group, India; Prof. J. Philip, Chairman, XIME-Bengaluru and Prof. C.P. Ravindranathan, Vice-Chairman, XIME-Bengaluru, presented students with the PGDM Certificates and Excellence Awards. In his address, Bali emphasised that trust, transparency and collaboration were essential for success in a new world. Dr. M. Nellaippan, Director, XIME-Bengaluru, presented the Annual Report.
- For women's empowerment**

Bharathi Women's College, Chennai, opened a Centre for Women Empowerment through a virtual event recently. Dr. Kamala Selvaraj, Director, GG Hospitals, inaugurated the centre and exhorted girls to be ambitious and work towards achieving their goals. Dr. T. Jayasudha, Chief Operating Officer, SANKALP Cell, NIMI, MSDE, Chennai, explained the importance of centre and the areas in which it can work. Principal Dr. D. Gladis gave the welcome address and Dr. S. Sreedevi, Asst. Professor and Centre Coordinator, described the activities proposed for the year.
- Customised online programmes**

21K Skills will collaborate with the U.S.-based Galvanize Inc to offer a series of 12-week intensive, customised online programmes in Cloud Native Developer, Data Science Core, Blockchain, and Cybersecurity. The courses will be conducted remotely and supported by supplementary material. All participants have to qualify for the pre-admission assessment and attend a prep course. The programmes will begin in February 2021. More details at www.21kskills.com
- Discussing climate change**

A National Inclusive Children's Climate Parliament was organised on Child Rights Day by Pratyek, Nineismine and UNICEF to initiate a dialogue on climate change. This digital event saw 11 MPs engage with child-parliamentarians on climate change and its impact on children who have inherited this problem and its effects. The aim was to create a 1000 Greta Thunbergs, who can understand and amplify the voice of the Earth and the vulnerable children.
- Industry-connect internship**

Edtech firm Hex N Bit has launched internship programmes for engineering and IT students that will be organised virtually through live industry projects in partnership with leading companies. These focus on enhancing skills through industrial project exposure in Artificial Intelligence, Machine Learning, Web Development, Android Development, Python Programming, PCB Designing, VLSI Design etc. The duration will be of six weeks for second- and third-year students and six months for final-year students. For details, visit <https://www.hexnbit.com/>
- Global initiative**

Sadhika Alampally and Khushi Valecha from Oakridge International School, Bengaluru, participated at the global Environment Sustainability Society (ESS) Fest and called upon the younger generation to take up more responsibility towards environmental sustainability. Over 40 students from 16 countries participated in this virtual event. This global initiative aims to create a virtual platform to educate, empower and get the next generation ready to tackle this growing global issue.
- Conclave for sustainable cities**

IIT-Delhi hosted the second annual Digital Delhi Conclave on 'Urban Science for Sustainable Cities and Communities' earlier this month. It brought together several leading academicians, industry leaders, national and international technology and AI developers, and public intellectuals to deliberate on issues relating to Delhi including the issues of air pollution and mobility challenges in the growing metropolis. The conclave showed how social and urban sciences, along with IT and innovation, are key to providing answers to some of the pressing challenges of our times.
- IIT-M admits first batch for online programme**

Indian Institute of Technology-Madras (IIT-Madras) has admitted 8,154 students from diverse educational backgrounds in the first batch of its online B.Sc Degree in Programming and Data Science, which has three stages. Foundational level courses will be offered from January 2021. The second qualifier process will begin in March 2021. Those interested can visit <https://www.onlinedegree.iitm.ac.in> for further details. Last date to apply is February 6, 2021.
- New course at HSNL University**

HSNC University, Mumbai, inaugurated a School of Data Science and Business Analytics, which offers a degree programme in the subject. The course begins with a two-week intensive induction programme and is open to students from different educational backgrounds. It connects theory and modern applications and will also help develop skills necessary for employment. Details at <https://www.hsnuc.edu.in/>
- Symposium on Sustainable Development**

Over 350 students from colleges across India participated in the recent Mahindra University Research Symposium (MURS), on "Sustainable Development". Over 150 papers submitted by UG, PG and PhD students of which 60 were selected. The guest speakers included renowned academicians, industrialists, and alumni.

Date: 30th December 2020

Media: The Indian Express

Edition: Online

Journalist: NA

Professor: Prof. Mangala Sunder

Headline: Now, advanced programming course from IIT-Madras for students, working professionals

URL: <https://indianexpress.com/article/education/now-advanced-programming-course-from-iit-madras-for-students-working-professionals-7126277/>

The Indian Institute of Technology (IIT) Madras' Digital Skills Academy is launching courses in programming and advanced programming in partnership with IITM-Incubated Edtech Startup GUVI. The courses are designed to equip final-year engineering students and graduates with programming skills through industry professionals, the IIT claims. While the course can be helpful for engineering graduates, it is open to students and even working professionals across India.

Along with live online sessions, the course is being offered through an Artificial Intelligence (AI) platform which provides students with coding and self-assessment environment for practising programming in real-time, the IIT claims. "The 120 hours of programming course will help professionals and students to obtain experiential learning equivalent to about three-months of actual working experience in each of these courses and makes them job-ready," IIT-Madras stated in the official notice.

A formal certificate will be issued by the Centre for Continuing Education, IIT-Madras. for successful candidates.

Mangala Sunder, founder, and coordinator, Digital Skills Academy, IIT-Madras said that the trainers will cover multiple areas through large problem sets, which will also help the students to do competitive examinations in the banking and finance sector well and with confidence.

Date: 30th December 2020

Media: UNI

Edition: Online

Journalist: NA

Headline: IIT-Madras launch new courses

URL: <http://www.uniindia.com/~iit-madras-launch-new-courses/States/news/2278682.html>

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Date: 30th December 2020

Media: Univarta

Edition: Online

Journalist: NA

Headline: आईआईटी-मद्रास ने नए पाठ्यक्रम शुरू किए (IIT-Madras launch new courses)

URL: <https://www.univarta.com/iit-madras-launch-new-courses/south/news/2278682.html>

Date: 30th December 2020

Media: Careers360

Edition: Online

Journalist: NA

Professor: Prof. Mangala Sunder, Prof. Balaraman Ravindran

Spokesperson Quoted: S.P. Balamurugan

Headline: Advanced programming course launched by digital skill academy of IIT Madras

URL: <https://news.careers360.com/advanced-programming-course-launched-digital-skill-academy-of-iit-madras>

The digital skill academy of the Indian Institute of Technology (IIT) Madras in collaboration with the institute's incubated start-up GUVI has launched an online course in advanced programming. The course is aimed at students and working professionals, a statement from the institute said.

The courses, the institute said, are designed to equip final year engineering students and graduates with programming skills by industry professionals, making them ready for internships and jobs in the IT sector. It will help them in their job search in the IT industry and IT services in all core manufacturing and design areas and is open to students across India.

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Along with live online sessions, the course is being offered through an artificial intelligence platform which provides students with a coding and self-assessment environment for practising programming in real-time.

The 120 hours of the course will help professionals and students to obtain experiential learning equivalent to about three months of actual working experience making them job-ready.

A formal certificate will be issued by the trainer and the knowledge partner- the Centre for Continuing Education, IIT Madras. for those who successfully complete the course.

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"The objective is to provide graduating students from Indian academic institutions and employees in multiple industrial sectors the necessary skills towards employment or reskilling in relevant sectors," said Mangala Sunder, Founder and Coordinator, Digital Skills Academy, IIT Madras.

S.P. Balamurugan, Co-Founder and CEO, GUVI, said, "Programming skill is the need of the hour for every aspiring and ambitious candidate to get placement in IT companies. The gamified learning and practise platform designed by GUVI will provide a unique and exclusive training environment for the learners through various modes."

"These courses will also make them industry- and job-ready. In addition, the trainers will cover multiple areas through large problem sets, that will also help the students to do competitive examinations in the banking and finance sector well and with confidence," Sunder added.

Date: 30th December 2020

Media: Times Now News

Edition: Online

Journalist: Papri Chanda

Professor: Prof. Mangala Sunder

Headline: IIT Madras launches online course in Advanced Programming for students & working professionals

URL: <https://www.timesnownews.com/education/article/iit-madras-launches-online-course-in-advanced-programming-for-students-working-professionals/701013>

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Date: 30th December 2020

Media: The Economic Times

Edition: Online

Journalist: Prachi Verma

Professor: Prof. Mangala Sunder

Headline: IIT Madras along with GUVI rolls out programming courses

URL: <https://economictimes.indiatimes.com/industry/services/education/iit-madras-along-with-guvi-rolls-out-programming-courses/articleshow/80027520.cms>

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Date: 30th December 2020

Media: ABP Education

Edition: Online

Journalist: NA

Professor: Prof. Mangala Sunder, Prof. Balaraman Ravindran

Spokesperson Quoted: S.P. Balamurugan

Headline: IIT Madras Digital Skills Academy launches online course in Advanced Programming for Students, Working Professionals

URL: https://www.abpeducation.com/news/iit-madras-digital-skills-academy-launches-online-course-in-advanced-programming-for-students-working-professionals/cid/1206018?ref=home-atf-stry-1?utm_source=twitter&utm_medium=social&utm_campaign=abpedu_twit

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Date: 31st December 2020

Media: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. Mangala Sunder, Prof. Balaraman Ravindran

Spokesperson Quoted: S.P. Balamurugan

Headline: IIT Madras Digital Skills Academy launches online course in Advanced Programming for Students, Working Professionals

URL: <https://skilloutlook.com/education/iit-madras-digital-skills-academy-launches-online-course-in-advanced-programming-for-students-working-professionals>

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Date: 30th December 2020

Media: Analytics India Mag

Edition: Online

Journalist: Ambika Choudhary

Professor: Prof. Mangala Sunder

Spokesperson Quoted: S.P. Balamurugan

Headline: IIT Madras Launches Online Courses In Advanced Programming

URL: <https://analyticsindiamag.com/iit-madras-launches-online-courses-in-advanced-programming/>

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Date: 30th December 2020

Media: Edu Advice

Edition: Online

Journalist: NA

Professor: Prof. Mangala Sunder, Prof. Balaraman Ravindran

Spokesperson Quoted: S.P. Balamurugan

Headline: IIT Madras Digital Skills Academy launches online course in Advanced

URL: <http://eduadvice.in/home/NewsDetail?pid=33352>

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Date: 31st December 2020

Media: India Education Diary

Edition: Online

Journalist: NA

Professor: Prof. Mangala Sunder, Prof. Balaraman Ravindran

Spokesperson Quoted: S.P. Balamurugan

Headline: IIT Madras Digital Skills Academy launches online course in Advanced Programming for Students, Working Professionals

URL: <https://indiaeducationdiary.in/iit-madras-digital-skills-academy-launches-online-course-in-advanced-programming-for-students-working-professionals/>

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Date: 30th December 2020

Media: The NFA Post

Edition: Online

Journalist: NA

Professor: Prof. Mangala Sunder, Prof. Balaraman Ravindran

Spokesperson Quoted: S.P. Balamurugan

Headline: IIT Madras Digital Skills Academy Launches Online Course In Advanced Programming

URL: <https://www.thenfapost.com/2020/12/30/iit-madras-digital-skills-academy-launches-online-course-in-advanced-programming/>

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Date: 30th December 2020

Media: College Dunia

Edition: Online

Journalist: Durgesh Rai

Professor: Prof. Mangala Sunder

Spokesperson Quoted: S.P. Balamurugan

Headline: IIT Madras: Digital Skill Academy Launches Advanced Programming Courses

URL: <https://collegedunia.com/news/iit-madras-digital-skill-academy-launches-advanced-programming-courses-check-details-here-alertid-31562>

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Date: 31st December 2020

Media: Dinamani (clip attached)

Edition: Chennai

Page No: 5

Journalist: NA

Professor: Prof. Mangala Sunder

Headline: IIT Madras Launches Online Courses In Advanced Programming

URL: <https://www.dinamani.com/all-editions/edition-chennai/chennai/2020/dec/31/new-online-course-launched-at-iit-chennai-3534445.html>

சென்னை ஐஐடி யில் புதிய ஆன்லைன் படிப்பு தொடக்கம்

சென்னை, டி.ச. 30: சென்னை ஐஐடியின் டிஜிட்டல் திறன்கள் மையம் சார்பில் மாணவர்கள் மற்றும் நிறுவனங்களில் பணிபுரியும் புரொஃபஷனல் பணியாளர்களுக்காக 'அட்வான்ஸ்ட் புரோகிராமிங் ஆன்லைன் படிப்பு தொடங்கப் பட்டுள்ளது. சென்னை ஐஐடி - ஜியூவிஐ என்ற நிறுவனம் இணைந்து இந்த ஆன்லைன் படிப்பினை வழங்குகிறது.

இந்தியா முழுவதும் உள்ள விருப்பமுள்ள மாணவர்கள் இதற்கு விண்ணப்பிக்கலாம் எனத் தெரிவிக்கப்பட்டுள்ளது. ஐடி நிறுவனங்கள், தயாரிப்பு, டிசைனிங் ஆகியவற்றில் உள்ள சேவைகளில் இளைஞர்கள் தங்களுக்கான வேலையை தேடிக்கொள்ள இந்தப் படிப்பு உதவுகிறது.

ஐடி தொழில் துறையில் விருப்பமுள்ளவர்கள், குறிப்பாக அனுபவமிக்க புரோகிராமிங் திறன்கள் கொண்ட பொறியியல் இறுதியாண்டு மாணவர்களிடமிருந்து இந்த ஆன்லைன் படிப்புக்கான விண்ணப்பங்கள் வரவேற்கப்படுவதாகத் தெரிவிக்கப்பட்டுள்ளது. 120

மணிநேரம் கொண்ட இந்த ஆன்லைன் படிப்பு, மூன்று மாதத்தில் பணிபுரிந்து கிடைக்கும் அனுபவத்தை மாணவர்கள் எளிதில் பெறும் வகையில் இருக்கும் எனவும் தெரிவிக்கப்பட்டுள்ளது.

இந்தப் படிப்பினை வெற்றிகரமாக முடிப்பவர்களுக்கு இறுதியில் சென்னை ஐஐடி சார்பில் சான்றிதழல் வழங்கப்படும். <https://skillsacademy.iitm.ac.in>, <https://www.guvi.in>, IIT-Madras-Certified } Professional } in } Programming ஆகிய இணையதள முகவரிகளுக்கு சென்று விருப்பமுள்ளவர்கள் விண்ணப்பிக்கலாம்.

இது தொடர்பாக சென்னை ஐஐடியின் டிஜிட்டல் திறன்கள் மையத்தின் நிறுவனர் பேராசிரியர் மங்கல சுந்தர் கூறுகையில், 'இந்தப் படிப்பின் மூலம் மாணவர்கள் தாங்கள் பயின்ற துறையிலேயே வேலை தேடிக்கொள்ள இயலும்.

மேலும், வங்கித் தேர்வுகள் உள்ளிட்ட போட்டி தேர்வுகளுக்குத் தயாராக இது உதவியாக இருக்கும் என்றார்.

IIT Madras is a 'Research-Focused' Institute

Headline: Remote working here to stay, finds IIT-M alumni survey

URL: <https://timesofindia.indiatimes.com/city/chennai/remote-working-here-to-stay-finds-iit-madras-alumni-survey/articleshow/79526884.cms>

Remote working here to stay, finds IIT-M alumni survey

Ragu.Raman@timesgroup.com

Chennai: As many as 92% of respondents in a survey said remote working is here to stay as the future of work while 69% believe it is the case with education as well. The survey also found economic growth and job creation as top priorities for India post-pandemic.

As part of its annual conference Sarangan 2020, IIT Madras Alumni Association conducted a survey in collaboration with the office of the Principal Scientific Advisor to the Government of India on public perceptions of the 'new normal' brought about by the Covid-19 pandemic. The survey had 1,564 respondents from around 400 cities within and outside the country.

"Around 82% believe we

WHAT SURVEY SHOWS Below is data from survey of 1,564 respondents



55% say top priorities for the country in the new normal is economic growth & job creation

80% believe that the rapid digitisation being witnessed will become permanent

92% believe that remote working will be the future of work while 69% believe remote working will be the future. A hybrid model (remote + onsite) will be dominant in future, say 83%

58% rated with AI and communication technologies as top priority

80% believe they will see more startups in India in new normal

AI HAS BEEN PICKED AS THE TOP MOST EMERGING TECHNOLOGY

will achieve new normal in the next two years. Besides economic growth and job creation, many people rated health and medical care and equitable growth as top priorities for the country," said Krishnan Narayan, vice president of the association.

"Though 83% believe hy-

brid model (remote + onsite) will be a dominant model in work, a sizeable population (30%) feel that we will go back to where we were before the pandemic," he added. Further, 80% of the people believe that the rapid digitization being experienced now will become permanent.

Around 80% of the respondents said they would see more startups and MSMEs in new normal and 70% of them believe that new normal will be better for the emergence of startups than MSMEs.

For personal development, the respondents pick skill upgradation and mental

well-being as priority areas. The survey showed that more youngsters are placing the stressing on mental well-being than those aged 41 and above. Spending more time with family and giving back to the society also mentioned as priority areas.

On emerging technologies, many of them picked artificial intelligence. The percentage who picked AI is more compared to other emerging technologies. Respondents were comfortable in using the AI in manufacturing (80%) and language translation (81%). Meanwhile, they were not comfortable sharing data in applications like web personalisation including target advertising and customized recommendations for products.

In an interesting finding, the respondents in the age group between 21 to 40 years are least comfortable with the use of AI in facial recognition. On the impact of AI on jobs, the respondents aged above 40 are more optimistic that more jobs will be created by AI as compared to those aged less than 40.

On whether science and religion are compatible, the respondents are divided in their opinion – 51% agreeing and 27% disagreeing. Further, the respondents said the benefits outweigh the risks in areas like renewable energy (86%) and electric vehicles (76%) and on the other side, many believe risks outweigh benefits in cryptocurrency, gene editing and synthetic virology.

Date: 2nd December 2020

Media: Zenger News

Edition: Online

Journalist: Sree Veena Mani

Professor: Prof. C. Balaji

Headline: Cyclone Nivar Floods India's Chennai after Dry Summer

URL: <https://www.zenger.news/2020/12/02/cyclone-nivar-floods-indias-chennai-after-dry-summer/>

As Cyclone Nivar made landfall in south India on Nov. 26, residents of several states braced for a new normal — extreme weather brought on by climate change.

Some 2 lakh (0.2 million) people were evacuated from the coastal states of Tamil Nadu and Puducherry as heavy rain and winds pummeled the region for hours.

Nivar was the fourth cyclone to hit India's eastern seaboard facing the Bay of Bengal. On May 16, Super Cyclone Amphan made landfall at the eastern state of West Bengal and the neighboring country of Bangladesh, causing widespread flooding and claiming 128 lives.

A severe depression over the Bay of Bengal also caused floods in Hyderabad and south Bengal and Odisha in October; 98 people were killed. Another depression hit southern West Bengal and Bangladesh later the same month.

Another cyclone, Nisagra, originated in the Indian Ocean to the south of the Indian peninsula, and hit the western state of Maharashtra in late May. It was the strongest cyclone to hit Maharashtra since June 1891.

Cyclone Nivar led to flooding in Chennai, also known as the Detroit of India because of the large number of automobile factories nearby. Chennai residents are not unfamiliar with floods — on Nov. 9 and 10, 2015, the city was inundated after being lashed with heavy rain of 488 mm (19 inches), often described as a “once in a century” event.

However, droughts are also common. On June 19, 2019, declared Day Zero by local officials, there was no water left in the city after an insufficient monsoon and all the nearby lakes running dry. Hotels and restaurants were shut and water had to be supplied in tankers from other parts of the state.



Swinging between deluge and drought could be the new normal for south India as effects of climate change intensify, some analysts say.

Two separate studies by the Indian Institute of Technology, Kharagpur, (IIT-K) and the Indian Institute of Technology, Madras, (IIT-M) stated that the south is likely to see increased rainfall. (Madras is the older name of Chennai.)

The second study indicates that cyclonic storms are likely to become a regular feature in the Bay of Bengal.

“The sea surface temperature in the Bay of Bengal has increased and that is why the number of cyclones may increase,” Rajib Maity from IIT-K, one of the authors of the [study](#), told Zenger News. “There will be huge rainfall along the track of the cyclone before it loses its strength after landfall. The only good news is that now the tracks of the cyclones are better predicted that helps in taking precautions to mitigate aftereffects.”

The IIT-M study says that floods are likely to last longer.

“The size and intensity of heavy rainfall events can increase significantly in the far-future high-emission scenario climate conditions. If a similar event occurs in the future, the flood conditions are likely to continue for more days compared to the current event, thereby signifying increased risks. This would require better preparations to face the disaster.”

“After studying many cyclones, we have come to a conclusion that the intensity is increasing all the way up to 2075. It is up to governments to take precautions,” said C. Balaji, a professor at IIT-M, and one of the authors of the research study.



He said Tamil Nadu would be more affected than neighboring states of Kerala and Andhra Pradesh. “Global warming has impacted rain patterns, but the problem in most places like Chennai is that drainage systems are not in place,” said Richard Mahapatra of the Center for Science and

Environment, a New Delhi-based nonprofit. “We need to understand that without a proper drainage system and open-water sources, there is a chance of water contamination, and that can also lead to vector-borne diseases.

“The problem is more than just a flood.”

Chennai’s municipal corporation’s chief did not respond to questions from Zenger News.

Balaji said that India should use more radar to help mitigate the risks of such events.

“America has a radar every 50 kilometers (31 miles). India’s east coast needs more radars to capture rainfall data and give us accurate predictions,” Balaji said.

At the same time, India also needs to prepare for droughts. A recent World Wildlife Fund’s study had said that at least 30 Indian cities including tech-hub Bengaluru would face severe water crisis by 2050. Lack of infrastructure to manage rainwater could lead to water shortage, said Maity.

(Edited by Siddharthya Roy and Judith Isacoff. Maps by Urvashi Makwana.)

Date: 2nd December 2020

Media: TN Tribune

Edition: Online

Journalist: NA

Professor: Prof. C. Balaji

Headline: Cyclone Nivar Floods India's Chennai after Dry Summer

URL: <https://tntribune.com/cyclone-nivar-floods-indias-chennai-after-dry-summer/>

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Date: 2nd December 2020

Media: The Florida Star

Edition: Online

Journalist: NA

Professor: Prof. C. Balaji

Headline: Cyclone Nivar Floods India's Chennai after Dry Summer

URL: <https://www.thefloridastar.com/articles/cyclone-nivar-floods-indias-chennai-after-dry-summer/>

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Date: 2nd December 2020

Media: India Science- Anusandhanika (clip attached)

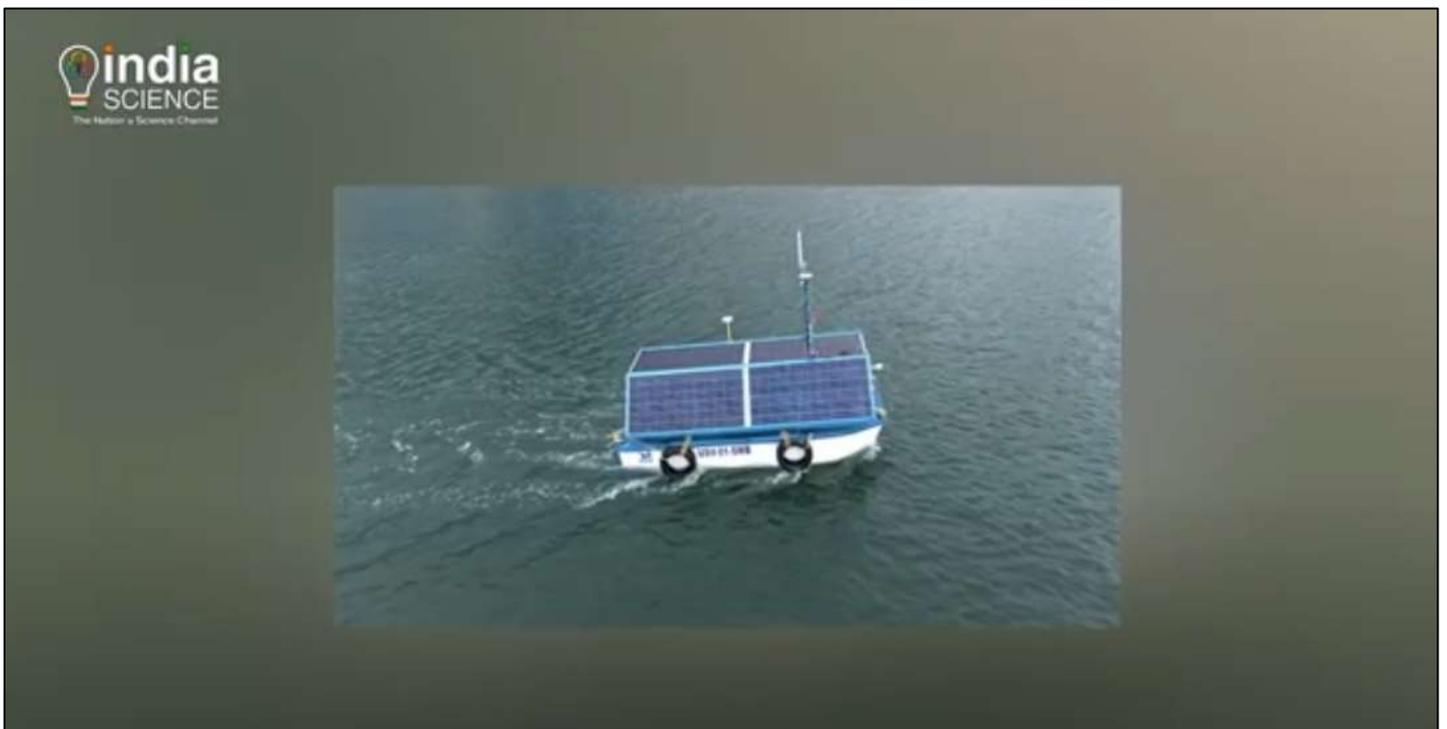
Edition: Online

Journalist: NA

Spokesperson Mentioned: Dr. D. Kumaran Raju

Headline: IIT Madras Researchers Develop Solar-powered Unmanned Autonomous Survey Craft for Indian Ports & Inland Waterways

URL: <https://youtu.be/zlTR74QE4VU> (4:42- 6:21)



Date: 6th December 2020

Media: The Hindu (clip attached)

Edition: Bangalore / Chennai / Hyderabad / Mumbai / New Delhi

Page No: 11

Journalist: Dr. Shubashree Desikan

Professor: Prof. Shweta Agrawal

Headline: Keeping secrets in a quantum world and going beyond

URL: <https://www.thehindu.com/sci-tech/technology/keeping-secrets-in-a-quantum-world-and-going-beyond/article33258829.ece>

Keeping secrets in a quantum world and going beyond

The new buzz words are: 'post quantum cryptography'

SHUBASHREE DESIKAN

Every online transaction we make with another person is protected so that a third person cannot read it without the permission of the two people exchanging the information in the first place. This process is called encryption of the data. The first person, say Alice, sends an encrypted message to the second, say Bob. How can Alice ensure that only Bob has the key to the code she has set and a trespasser, say Kate, can see that there is a transaction but cannot intercept it? To use a simple and oft-used analogy - let Alice send a trunk to Bob with a lock on it. Bob receives the trunk and locks it the second time with his own lock, sending it back to Alice. Alice now removes her lock and sends the trunk back to Bob. Bob now can unlock the lock he had put and open the trunk to see the secret message.

Thus, while the transaction took place in full public view, only Alice and Bob were able to read the mes-

sage inside the trunk.

In the time of the classical computer, the lock in question consists of a problem that is mathematically hard for the computer to solve. For example, Alice takes a two very large prime numbers, that is, numbers that are only divisible by themselves and by one. She multiplies the two and creates an even larger number. She uses this number to encrypt or lock her message to Bob. Kate, now is in trouble because, in order to break the lock, she has to factorise a very large number whose factors are large prime numbers.

This is difficult because if the prime factors are large enough, the problem becomes very difficult to crack for a classical computer. It would take the classical computer "exponentially large" time to guess the factors.

This mathematical problem known as integer factorisation is one of the methods presently used to encrypt our secret or private

messages. There are other methods using the so-called discrete logarithm problem, which again would take a normal computer exponentially large time to crack.

Quantum computers

This was all well, as long as we only had to deal with classical computers. Now, enters the quantum computer. One of the basic elements that make up this quantum computer is that where the classical one uses bits to compute this one uses "qubits". What is the difference?

Classical bits can take the value 0 or 1, allowing for a binary system to be set up and the lowest level of computer language is done manipulating these bits. A qubit on the other hand can exist as a superposition of two states 0 and 1. So if you have an n-qubit number, it can exist as a superposition of 2^n states. This also allows for immense amount of parallel processing.

Hence the question of whether these problems



Quantum complexity: Classical bits can take the value 0 or 1, while qubits can exist as a superposition of the two states.

*GETTY IMAGES

which are "hard" for the classical computer become easier for a quantum one has the disturbing answer - yes. So, a new cryptography has to be devised, and that is where IIT Madras professor, Shweta Agrawal's work comes into play. She works not just with quantum cryptography but with post quantum cryptography - a field which deals with additional possibilities offered by a quantum system, which goes beyond being able to break the integer factor code.

Enter lattices

One of the main contenders for a mathematical problem that is hard for the quantum

computer to crack is the so-called shortest vector problem. This involves lattices. Lattices are regular arrangement of points in space; examples in nature include honeycombs and all crystalline solids, like common salt. A line of regularly spaced points is a lattice in one dimension, and a crystal of salt is a three-dimensional lattice. Mathematically, we can extend this construction to 5, 10 or even 500 dimensions.

At this magnitude, it becomes in theory a "hard" problem for a quantum computer to calculate the shortest vector from one point to any other point. This problem can therefore be used

to construct "locks" that can even withstand a quantum attack. In her work which appeared at conferences Eurocrypt 2019 and 2020, Dr. Agrawal provides new methods to construct such encryption schemes which are secure against quantum computers.

As an example of what one can achieve using such encryption schemes, take two companies which are considering a merger, and want to find out if it will be mutually profitable by engaging in some computation, but without revealing their assets to each other. "We can encrypt the information about their individual assets, and provide a secret key which only reveals the output of the computation and does not reveal anything about the inputs!" says Dr. Agrawal.

Thus, it follows as she says: "In modern cryptography, not only can we create locks on information so that quantum computers cannot break them, we can even design the locks so that the information inside the locks can be manipulated without even opening the locks!"

Date: 10th December 2020

Media: Outlook

Edition: Online

Journalist: NA

Headline: Aerosols in Indo-

Gangetic plain have led to increase in high rainfall in Himalayan foothills: Study

URL: <https://www.outlookindia.com/newscroll/aerosols-in-indogangetic-plain-have-led-to-increase-in-high-rainfall-in-himalayan-foothills-study/1991051>

Scientists have found that aerosols like black carbon and dust, which make the Indo-Gangetic Plain one of the most polluted regions of the world, have led to increased incidents of high rainfall events in the foothills of the Himalayan region.

The study showed that particulate emissions can alter the physical and dynamical properties of cloud systems and, in turn, amplify rainfall events over orographic regions downwind of highly polluted urban areas.

The Indo-Gangetic Plain is located south and upwind of the Himalayan foothills.

The region is associated with high aerosol loading, much of which is black carbon and dust, and thus provides an opportunity for studying how aerosol affects extreme rainfall events, particularly when air mass is forced from a low elevation to a higher elevation as it moves over rising terrain technically called orographic forcing.

A team of researchers from National Institute of Technology Rourkela, Leipzig Institute for Meteorology (LIM), University of Leipzig, Germany, Indian Institute of Technology Madras, Indian Institute of Technology Kanpur supported by the Department of Science and Technology under its Climate Change programme have highlighted the crucial role of the aerosol direct radiative effect on high precipitation events over the Himalayan region.

The findings of the current work have been accepted for publishing in the scientific journal "Atmospheric Chemistry and Physics" recently.

The study used 17 years (2001–2017) of rainfall rate, aerosol measurements called aerosol optical depth (AOD), meteorological reanalysis fields such as pressure, temperature, and moisture content at different altitudes to compute the thermodynamic variable "moist static energy" and outgoing long-wave radiation from Indian region to investigate high precipitation events on the foothills of the Himalayas.

The team found clear associations between high precipitation events, high aerosol loading, and high moist static energy (MSE) values (moist static energy of an air mass includes the potential energy due to its height above the ground and the latent heat due to its moisture content).

The findings also highlight the crucial role of the radiative effect of aerosol on high precipitation events over the Himalayan region.

The results of the study indicate that aerosols can play a vital role in exciting high precipitation (HP) events over the Himalayas during the monsoon season.

Thus, aerosols, including chemistry, are essential to consider when forecasting HP events over the Himalayan region in regional modelling studies, the study said. PTI PR RHL

Date: 10th December 2020

Media: Yahoo

Edition: Online

Journalist: NA

Headline: Aerosols in Indo-

Gangetic plain have led to increase in high rainfall in Himalayan foothills: Study

URL: <https://in.news.yahoo.com/aerosols-indo-gangetic-plain-led-161243593.html>

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Media: CNBC TV-18

Edition: Online

Journalist: NA

Headline: Aerosols in Indo-

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URL: <https://www.cnbctv18.com/india/aerosols-in-indo-gangetic-plain-have-led-to-increase-in-high-rainfall-in-himalayan-foothills-study-7698841.htm>

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Edition: Online

Journalist: NA

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URL: <https://www.tribuneindia.com/news/schools/aerosols-in-indo-gangetic-plain-have-led-to-increase-in-high-rainfall-in-himalayan-foothills-study-182463>

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Date: 10th December 2020

Media: News 18

Edition: Online

Journalist: NA

Headline: Aerosols in Indo-

Gangetic Plain Have Led to Increase in High Rainfall in Himalayan Foothills: Study

URL: <https://www.news18.com/news/india/aerosols-in-indo-gangetic-plain-have-led-to-increase-in-high-rainfall-in-himalayan-foothills-study-3166034.html>

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Date: 10th December 2020

Media: E- Flip

Edition: Online

Journalist: NA

Headline: Aerosols in Indo-

Gangetic Plain Have Led to Increase in High Rainfall in Himalayan Foothills: Study

URL: <https://eflip.in/aerosols-in-indo-gangetic-plain-have-led-to-increase-in-high-rainfall-in-himalayan-foothills-study/>

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Date: 11th December 2020

Media: Prime Times

Edition: Online

Journalist: NA

Headline: Aerosols in Indo-

Gangetic plain have led to increase in high rainfall in Himalayan foothills: Study

URL: <https://www.primetimes.in/news/546396/aerosols-in-indo-gangetic-plain-responsible-for-high-rainfall-in-himalayan-foothills/>

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Date: 11th December 2020

Media: Zee News

Edition: Online

Journalist: NA

Headline: Aerosols in Indo-Gangetic plain responsible for high rainfall in Himalayan foothills

URL: <https://zeenews.india.com/india/aerosols-in-indo-gangetic-plain-responsible-for-high-rainfall-in-himalayan-foothills-2330319.html>

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Date: 11th December 2020

Media: The Hawk

Edition: Online

Journalist: NA

Headline: Aerosols in Indo-

Gangetic Plain Have Led to Increase in High Rainfall in Himalayan Foothills: Study

URL: <http://www.thehawk.in/science/aerosols-in-indo-gangetic-plain-have-led-to-increase-in-high-rainfall-in-himalayan-foothills-study-191764>

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Date: 11th December 2020

Media: Infodia

Edition: Online

Journalist: NA

Headline: Aerosols in Indo-Gangetic Plain have led to increased incidents of high rainfall in the Himalayan foothills

URL: <https://www.infodea.in/environment/aerosols-in-indo-gangetic-plain-have-led-to-increased-incidents-of-high-rainfall-in-the-himalayan-foothills/>

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Date: 11th December 2020

Media: Daily Kiran

Edition: Online

Journalist: NA

Headline: Aerosols in Indo-Gangetic Plain have led to increased incidents of high rainfall in the Himalayan foothills

URL: <https://dailykiran.com/aerosols-in-indo-gangetic-plain-have-led-to-increased-incidents-of-high-rainfall-in-the-himalayan-foothills/>

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Date: 11th December 2020

Media: Udaipur Kiran

Edition: Online

Journalist: NA

Headline: Aerosols in Indo-Gangetic Plain have led to increased incidents of high rainfall in the Himalayan foothills

URL: <https://udaipurkiran.com/aerosols-in-indo-gangetic-plain-have-led-to-increased-incidents-of-high-rainfall-in-the-himalayan-foothills/>

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Date: 12th December 2020

Media: The Hindu (clip attached)

Edition: Bangalore / Chennai / Hyderabad / Kolkata / Mumbai / New Delhi

Page No: 11

Journalist: Dr. Shubashree Desikan

Professor: Prof. V. V. Raghavendra Sai & Prof. Vani Janakiraman

Headline: A platform developed for diagnosing tuberculosis from urine samples

URL: <https://www.thehindu.com/sci-tech/science/a-platform-developed-for-diagnosing-tuberculosis-from-urine-samples/article33315473.ece>

A platform developed for diagnosing tuberculosis from urine samples

This can help in cases of extrapulmonary TB where there is no sputum sample

SHUBASHREE DESIKAN

Diagnosing TB usually involves using a sputum sample or a biopsy in the detection tests. This is not just time-consuming or expensive, there are also cases where getting a sputum sample is not easy or even possible, such as with small children or in the case of extrapulmonary TB. Now, IIT Madras researchers are developing a point-of-care platform for early-stage TB screening and detection using urine samples. The platform is yet to be tested in clinical trials. The research has been published in the journal *Biosensors and Bioelectronics*.

The glycolipid lipoarabinomannan (LAM), an integral component of the cell wall and cell membrane of *Mycobacterium tuberculosis* (Mtb), the disease-causing bacterium, has been explored as a biomarker for TB diagnosis. Since it is known that LAM is released into the blood stream during active infection and passed out in urine, it can be viewed as a potential biomarker for even cases other than pulmonary

TB. In the test conducted by the group, the sample containing Mtb-LAM is mixed with gold nanoparticles and incubated for five minutes. Then a U-shaped fibre-optic sensor device with an LED and a photodetector attached to its two ends is dipped into the mixture. The results are generated in the next ten minutes, and the amount of Mtb-LAM present in the mixture can be read out.

Antibody sandwich

To describe the above process in detail, the sample for analysis is mixed with the reagent containing detector antibody (anti-MTB-LAM IgG) conjugated with plasmonic gold nanoparticles. The gold nanoparticle labels capture the analyte (LAM) molecules from the sample solution through the detector antibody. Then the pre-mixed solution is given to the sensor probes immobilized with capture antibody (anti-MTB-LAM IgM).

Thus on the sensor surface, a sandwich-like immunocomplex of the three is formed. This comprises capture antibody-analyte-detect-



Diagnosis: The glycolipid LAM can be a biomarker of TB. •GETTY IMAGES

tor antibody with a plasmonic label.

"Likewise a large number of immunocomplexes are formed on the sensor surface that are proportional to the LAM concentration... Each of the plasmonic labels absorb light passing through the fibre, leading to a drop in light intensity at the detector. The drop in the light intensity is a measure of LAM concentration," says Vani Janakiraman, from the Department of Biotechnology, IIT Madras, in an email to *The Hindu*. Along with V. V. Raghavendra Sai of Department of Applied Mechanics, she has formulated the problem of urinary LAM based diagnosis of TB.

The pregnancy test kit, for example, simply works on a naked eye-based detection

of coloured nanoparticles. "On the other hand, the colour detection and quantification in this method can be done ten thousand times more efficiently with the help of optical waveguides such as an optical fibre. If the plasmonic labels are on the fibre core surface, much lower concentrations of LAM can be detected," says Dr. Raghavendra Sai in clarification.

In the buffer solution, for every 10 femtogram/millilitre rise in LAM concentration the change in absorbance could be 0.078 absorbance units. Similarly, in synthetic urine, for every 10 femtogram/millilitre rise in concentration, the rise in absorbance would be 0.043 absorbance units.

The team is in the process of scaling up the sensor probe fabrication and functionalisation strategies. "We would also like to cut down the volume of the reagent being used, which significantly influences the cost of the test. On the other side, we are also working on developing a point of care device unit for preliminary validation," he says.

Date: 14th December 2020

Media: Zenger News

Edition: Online

Journalist: Sree Veena Mani

Professor: Prof. SR Chakravarthy

Headline: India Opens Doors to Foreign Firms to Share its Space Technology

URL: <https://www.zenger.news/2020/12/14/india-opens-doors-to-foreign-firms-to-share-its-space-technology/>

Foreign companies will now be able to access technology developed by the Indian Space Research Organization (ISRO), which previously was restricted to use by domestic entities.

Recent government guidelines point out the change in policy, from the transfer of technology for domestic use to foreign entities, by the Department of Space (DOS).

"The technology transfer activities of the DOS are primarily intended for the domestic utilisation of DOS," the guidelines state. "ISRO developed technologies by Indian industries. However, in the context of liberalisation and globalisation, requests from foreign organisations for transfer of DOS or ISRO developed technologies shall be encouraged as per the guidelines issued by Government of India." ISRO Chief K. Sivan said that the agency will transfer technology to foreign companies in an effort to encourage startups. The transfer of technology will occur on a case-to-case basis, with restrictions on anything considered to be sensitive. This will encourage foreign firms to use Indian technology or collaborate with Indian companies, he said.

Former ISRO chief, G. Madhavan Nair, told Zenger News that ISRO might not give out its rocket technology, which is sensitive information. But he acknowledged that the new policy would be an immense help to startups.

"I think this knowledge-sharing based on contracts with companies will help startups to the extent that the startup would not have to spend time in conducting research," said Nair.

ISRO's "brand name" will also be beneficial to companies that use technology, analysts say.

"These companies will get the backing of ISRO, which will make it easy to attract funding," said S. R. Chakravarthy, a professor in aerospace engineering department at the Indian Institute of Technology in Madras, and a mentor to Agnikul Cosmos, a space-tech startup incubated at the institute. Agnikul Cosmos recently partnered with ISRO to test its small rockets, which aim to launch 100 kg (220-pound) satellites. Agnikul will use ISRO's facility for this project.

Close to 500 technologies are open for transfer and are already being used by Indian firms.

"One of India's USPs [unique selling points] is that ISRO makes these technologies at much cheaper costs as compared to counterparts in other countries," said Ajay Lele, senior fellow at the Manohar Parrikar Institute for Defence Studies and Analyses in New Delhi. "Companies have started to realize that launching their satellite is becoming expensive in other countries, which is why they will come to ISRO."

Chakravarthy agrees.

"When Mangalyaan (India's mission to Mars) was launched, India's prime minister [Narendra Modi] stated that the per kilometer cost was less than an auto-rickshaw ride in Ahmedabad in his home state Gujarat," said Chakravarthy. "That is how frugal ISRO is."

India completed the mission for a cost of about \$70 million, down from the estimated cost of \$100 million. In 2013, With this mission, India became the first country in Asia to reach Martian orbit.

Modi had also compared this mission, which was launched in 2014” to the Hollywood film “Gravity.” He said, to his knowledge, the budget of Mangalyaan was less than what it cost to make the movie [reportedly \$100 million].

In recent years, India has launched U.S. satellites from the ISRO space center in Sriharikota in the southern state of Andhra Pradesh. ISRO's Polar Satellite Launch Vehicle has attracted deals from companies based in France, the United States and Canada for their satellites to be launched. These launches are operated by ISRO's commercial arm, Antrix, which has revenue of more than \$4 million. In November, ISRO launched 10 satellites, many from foreign countries, from its Sriharikota space center.

“Companies might have ideas but not the wherewithal to go ahead with it, especially to test their products. ISRO will be able to provide them with the needed help to develop their ideas,”, said Lele. When it comes to space science, security is a concern.

In regard to security concerns, Chakravarthy said, “According to international space laws, even though a company is conducting a project, the government of the country where the firm is originally registered is also responsible. This sovereign oversight will help. Also, ISRO usually trains private companies so that these companies can supply hardware which can be assembled at ISRO's centers.” ISRO's technology transfer to industry will be done through NewSpace India Ltd., a company incorporated by the government for commercializing ISRO's research. While ISRO is helping companies with technology transfer, it is also working with organizations like NASA to develop new technologies.

(Edited by Uttaran Das Gupta and Judith Isacoff)

Headline: 'Rs 4 anti-inflammatory drug provides faster relief to Covid patients'

URL: <https://timesofindia.indiatimes.com/city/chennai/rs-4-anti-inflammatory-drug-provides-faster-relief-to-covid-patients/articleshow/79789205.cms>

₹4 anti-inflammatory drug provides faster relief to Covid patients'

TIMES NEWS NETWORK

Chennai: Indomethacin, a well-known non-steroidal anti-inflammatory drug (NSAID), not just provides faster symptomatic relief when administered along with standard care, but also prevents progression of pneumonia and death in Covid-19 patients, a study by scientists at the Indian Institute of Technology Madras has shown.

The study, yet to be published in a scientific journal, concluded that doctors and policy makers should consider using Indomethacin, which costs ₹4.20 a pill, in place of paracetamol for treatment when there is no contraindication for its use. "It must be used as the first line of therapy because it is effective and affordable," said senior nephrologist Dr Rajan Ravichandran from MIOT hospitals. "It will help doctors avoid steroids or use it sparingly." The study was done with hospitals in Chennai, Andhra Pradesh and Maharashtra.

In the study's first group, 109 people were treated with paracetamol and in the second, 82 were given Indomethacin with standard therapy. Patients were tested 33 blood parameters before and after the treatment and monitored daily. Scientists stopped tracking a pa-

tient who developed hypoxia and began supplementary oxygen. Seventy-two patients from the two groups were chosen using propensity score matching. Besides, 22 patients with severe forms of Covid-19 requiring oxygen on admission were given Indomethacin.

While one of 72 patients in the Indomethacin arm re-

ICMR sits on proposal to try ₹5 arthritis drug for Covid-19

Chennai-based Doc Had On April 29 Suggested To Body For Clinical Trial

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TOI REPORT ON MAY 26

quired supplementary oxygen, 28 required supplementary oxygen in the paracetamol arm, said R Krishna Kumar, professor of department of engineering design at IIT-M. "Those treated with Indomethacin stopped having fever quicker and symptoms such as cough and body in half the time compared to the group administered paracetamol," he said. Doctors also said there was no evidence of adverse reaction to Indomethacin. None of the 22 admitted with hypoxia, required ventilator or ICU care.

Funding for the study was provided by Kris Gopalakrishnan, an IIT-M alumnus and former executive vice-chairman of Infosys, said the authors.

Date: 18th December 2020

Media: Dinamalar

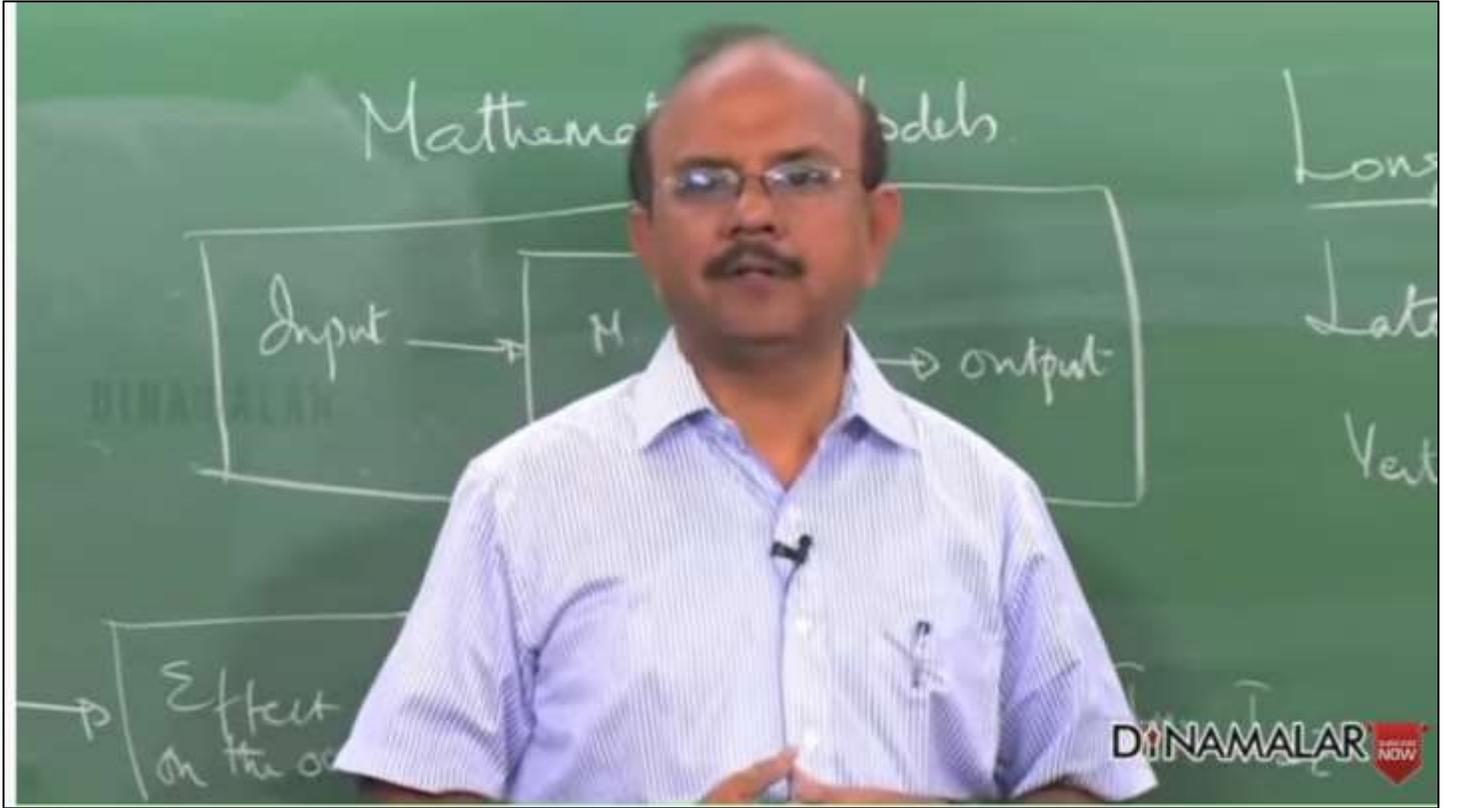
Edition: Online

Journalist: NA

Professor: Prof. R. Krishnakumar

Headline: சென்னை ஐஐடி ஆய்வில் கண்டுபிடிப்பு (IIT Madras Research findings)

URL: <https://www.youtube.com/watch?v=CrArmOjZKLA&feature=youtu.be>



Date: 21st December 2020

Media: The Hindu Business Line

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT-M study of water flow in the Adyar river to prevent flooding

URL: <https://www.thehindubusinessline.com/news/national/iit-m-study-of-water-flow-in-the-adyar-river-to-prevent-flooding/article33387550.ece>

Indian Institute of Technology (IIT) Madras researchers and students undertook data collection exercise amidst the heavy rains and intense winds during Cyclone Nivar that could play a crucial role to prevent future floods in Chennai.

A team of faculty and students led by Prof. Balaji Narasimhan, Department of Civil Engineering, IIT Madras, measured river discharges at several critical places across the Adyar River to collect data in real-time during the Cyclone. Equipped with Acoustic Current Profiler, two teams of students and faculty measured river currents and flow depths across the width of the river to get the integrated flow rate of the river.

During the floods of 2015, such critical ground truth data and a reservoir inflow forecasting system through numerical models could have helped mitigate the impact. The catchments of Somangalam, Manimangalam, Adhanur and Guduvanchery in Chennai with a large network of tanks received a record amount of rainfall during the monsoon of December 2015.

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Date: 21st December 2020

Media: NDTV

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT Madras Researchers Collect Real-Time Data During Cyclone Nivar To Prevent Future Floods

URL: <https://www.ndtv.com/education/iit-madras-researchers-collect-real-time-data-during-cyclone-nivar-prevent-future-floods>

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Date: 21st December 2020

Media: India Today

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT Madras researchers brave Cyclone Nivar to collect real-time data and prevent future floods in Chennai

URL: <https://www.indiatoday.in/education-today/news/story/iit-madras-researchers-brave-cyclone-nivar-collect-data-prevent-future-floods-in-chennai-1751684-2020-12-21>

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Date: 21st December 2020

Media: UNI

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT-Madras researchers collect real-time data of Adyar river during Nivar

URL: <http://www.uniindia.com/iit-madras-students-collect-data-during-cyclone-nivar-to-prevent-future-floods-in-chennai/south/news/2269962.html>

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Date: 21st December 2020

Media: UNI Varta

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Headline: बाढ़ को रोकनेपर आईआईटी मास की पहल (IIT Madras initiative to stop floods)

URL: <http://www.univarta.com/iit-madras-students-collect-data-during-cyclone-nivar-to-prevent-future-floods-in-chennai/states/news/2270113.html>

भारतीय प्रौद्योगिकी संस्थान (आईआईटी) मद्रास के शोधकर्ताओं और विद्यार्थियों ने चक्रवाती तूफान निवार के दौरान भारी बारिश और तेज हवाओं के बीच महत्वपूर्ण डेटा इकट्ठा किया है, जो चेन्नई में भविष्य में बाढ़ को रोकने में महत्वपूर्ण भूमिका निभा सकता है। आईआईटी मद्रास की ओर से सोमवार को जारी एक विज्ञप्ति में कहा गया कि आईआईटी मद्रास के सिविल इंजीनियरिंग विभाग के प्रोफेसर बालाजी नरसिम्हन के नेतृत्व में संकाय और विद्यार्थियों की एक टीम ने चक्रवात के दौरान डेटा एकत्रित करने के लिये अडियार नदी के कई महत्वपूर्ण स्थानों पर नदी के निर्वहन को मापा है। विज्ञप्ति में कहा गया कि 2015 की बाढ़ के दौरान संख्यात्मक मॉडल के माध्यम से इस तरह के महत्वपूर्ण जमीनी तथ्यों और एक जलाशय बाढ़ पूर्वानुमान प्रणाली से बाढ़ के प्रभाव को कम करने में मदद मिली थी। राजस्व प्रशासन, आपदा प्रबंधन और शमन के आयुक्त के फनिंद्र रेड्डी ने कहा कि तमिलनाडु राज्य आपदा प्रबंधन प्राधिकरण (टीएनएसडीएमए) के साथ समन्वय कर आईआईटी मद्रास द्वारा इस जमीनी स्तर पर चलाये गये अभियान के दौरान एकत्र किया गया डेटा वास्तविक समय में बाढ़ के पूर्वानुमान के लिये बहुत उपयोगी साबित होगा। विश्व बैंक द्वारा सहायता प्राप्त तमिलनाडु सतत शहरी विकास परियोजना (टीएनएसयूडीपी) के तहत तमिलनाडु शहरी बुनियादी ढांचा वित्तीय सेवा (टीएनयूआईएफएलएस) द्वारा स्थानिक निर्णय समर्थन प्रणाली का समन्वय किया जा रहा है। सं. संजय

Date: 21st December 2020

Media: DT Next

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT-Madras researchers collect real-time data of Adyar river during Nivar

URL: <https://www.dtnext.in/News/City/2020/12/22043215/1267583/IITMadras-researchers-collect-realtime-data-of-Adyar-.vpf>

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Date: 21st December 2020

Media: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT Madras Researchers braved Cyclone Nivar to collect real-time data on Adyar Rivers' Discharge

URL: <https://skilloutlook.com/education/iit-madras-researchers-braved-cyclone-nivar-to-collect-real-time-data-on-adyar-rivers-discharge>

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Date: 21st December 2020

Media: ABP Education

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT Madras researchers collect real-time data during Cyclone Nivar

URL: https://www.abpeducation.com/news/iit-madras-researchers-collect-real-time-data-during-cyclone-nivar/cid/1205861?utm_source=twitter&utm_medium=social&utm_campaign=abpedu_twit

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Date: 21st December 2020

Media: The Indian Education Diary

Edition: Online

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URL: <https://indiaeducationdiary.in/iit-madras-researchers-braved-cyclone-nivar-to-collect-real-time-data-on-adyar-rivers-discharge/>

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Such critical data and a reservoir inflow forecasting system through numerical models could have helped mitigate the impact of 2015 floods. Unlike Chembarambakkam reservoir that has flood gates to regulate water level, the tanks in these catchment areas did not have control measures in 2015. Realising this lacuna, the PWD has begun installing sluice gates in many small tanks to regulate storage in advance, the statement added.

This project was conceived after mega floods hit Chennai in December 2015. IIT-Madras along with IIT-Bombay, Anna University and the National Centre for Coastal Research (NCCR) developed a pilot flood forecasting system with funding support from the Principal Scientific Advisor.

Date: 21st December 2020

Media: ETV Bharat

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT मद्रास ने जुटाए आंकड़े, बाढ़-चक्रवात के पूर्वानुमान में मिलेगी मदद (IIT Madras collected data, will help in forecasting flood-cyclone)

URL: <https://react.etvbharat.com/hindi/delhi/bharat/iit-madras-researchers-braved-cyclone-nivar/na20201221220721841>

भारतीय प्रौद्योगिकी संस्थान (आईआईटी) मद्रास के शोधकर्ताओं और छात्रों ने चक्रवात निवार के दौरान भारी बारिश और तेज हवाओं के बीच महत्वपूर्ण डेटा जुटाया है, जो चेन्नई में भविष्य की बाढ़ को रोकने में महत्वपूर्ण भूमिका निभा सकता है.

आईआईटी मद्रास के विभागाध्यक्ष प्रोफेसर बालाजी नरसिम्हन के नेतृत्व में एक टीम और छात्रों ने साइक्लोन के दौरान वास्तविक समय में डेटा एकत्र करने के लिए अडयार नदी के कई महत्वपूर्ण स्थानों पर नदी के निर्वहन को मापा. ध्वनिक करंट प्रोफाइलर से लैस, छात्रों और फैकल्टी की दो टीमों ने नदी की एकीकृत प्रवाह दर प्राप्त करने के लिए नदी की चौड़ाई में नदी की धाराओं और प्रवाह की गहराई को भी मापा.



रिसर्च के दौरान आईआईटी मद्रास की टीम

2015 की बाढ़ के दौरान संख्यात्मक मॉडल के माध्यम से इस तरह के महत्वपूर्ण आंकड़े और एक जलाशय का पूर्वानुमान प्रणाली प्रभाव को कम करने में मदद कर सकती थी. चेन्नई के सोमांगलम, मणिमंगलम, अधनूर और गुडुवनचेरी में दिसंबर 2015 के दौरान रिकॉर्ड वर्षा हुई थी.

आईएस अधिकारी के. फनिंद्र रेड्डी ने इस परियोजना के महत्व के बारे में बताते हुए कहा, 'तमिलनाडु राज्य आपदा प्रबंधन प्राधिकरण (TNSDMA) के साथ समन्वय में IIT मद्रास द्वारा इस क्षेत्र के अभियान के दौरान एकत्र किए गए आंकड़े रियल टाइम फ्लड फोरकास्टिंग (RTFF) और स्थानिक निर्णय समर्थन प्रणाली (SDSS) के संचालन के लिए बहुत उपयोगी होगा.'



रिसर्च के दौरान आईआईटी मद्रास की टीम

कुछ प्रारंभिक मॉडलों से पता चला है कि अकेले सोमंगलम, मणिमंगलम, अधनूर और गुडुवनचेरी के जलग्रहण क्षेत्रों में 70 से 80 फीसदी तक अडयार नदी की बाढ़ में योगदान हो सकता है. जल स्तर को विनियमित करने के लिए फ्लड गेट बनाए गए. इसके

विपरीत 2015 में कैचमेंट के इस हिस्से में टैंक में उपलब्ध नियंत्रण उपाय लगभग शून्य थे. इसे देखते हुए राज्य लोक निर्माण विभाग (पीडब्ल्यूडी) ने स्लूस गेट स्थापित करना शुरू कर दिया है. आने वाले बाढ़ से पहले जल स्तर को विनियमित करने के लिए कई छोटे टैंक भी बनाए जा रहे हैं.



रिसर्च के दौरान आईआईटी मद्रास की टीम

यह भी पढ़ें-आईआईटी-मद्रास बना कोविड हॉटस्पॉट, मिले 79 नए संक्रमित

हालांकि चेन्नई ने चक्रवात निवार के दौरान बड़े पैमाने पर बाढ़ का सामना नहीं किया, लेकिन शहर के कुछ इलाकों में बाढ़ और जलभराव हुआ। फ़ील्ड अभियान के दौरान एकत्र किए गए डेटा, जो 11 दिसंबर 2020 तक के हैं. इस जलग्रहण के जल विज्ञान संबंधी व्यवहार में अंतर्दृष्टि दे सकते हैं और भविष्य की बाढ़ को कम करने के उपाय खोज सकते हैं.

Date: 21st December 2020

Media: The World News

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: Data collected by IIT-M during Nivar will help flood forecasting

URL: <https://theworldnews.net/in-news/data-collected-by-iit-madras-during-nivar-will-help-flood-forecasting>

Real-time data collected by researchers from IIT-Madras on water discharged at several critical places along the Adyar during Cyclone Nivar is expected to help in a crucial way in flood forecasting and mitigation in the future, a statement issued by the institution said.

According to the statement, a team of students and researchers led by Balaji Narasimhan, professor, IIT-M, measured river currents and flow depths across the width of the waterbody to get the integrated flow rate of the river.

K. Phanindra Reddy, Commissioner of Revenue Administration, Tamil Nadu, was quoted in the statement as saying that the data collected by IIT-M, in close coordination with the Tamil Nadu State Disaster Management Authority (TNSDMA), would be useful in operationalising the Real Time Flood Forecasting (RTFF) and Spatial Decision Support System (SDSS) being coordinated under the World Bank-assisted Tamil Nadu Sustainable Urban Development Project (TNSUDP).

The statement highlighted that the data collection project began after the Chennai floods in December 2015. Through this, a network consisting of 15 automatic weather stations, rain gauges and six water level recorders were established in 2017. However, as the years since 2017 witnessed below normal monsoon, sufficient data in terms of river discharge could not be collected.

Highlighting the outcome of the project, Mr. Narasimhan said this was an important exercise in calibrating and validating the developed flood forecasting models.

This could be used to forecast the discharge at the river based on rainfall predictions by the India Meteorological Department (IMD) with different lead times (from three hours to 72 hours or even longer), he said.

"The ground truth collected during this field campaign during Cyclone Nivar showed that certain parts of the Adyar contributed to up to almost 70% of the flow realised at Anakaputhur with the rest contributed by the release from the Chembarambakkam reservoir," he added.

"Even more critical is that the collected data will be incredibly useful to manage and moderate the reservoir releases from Chembarambakkam, giving sufficient lead time for the TNSDMA to issue a warning to the public and coordinate flood mitigation and relief measures," he said.

Date: 21st December 2020

Media: Times of News

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: Data collected by IIT Madras during Nivar will help flood forecasting

URL: <https://india.timesofnews.com/city/chennai/data-collected-by-iit-madras-during-nivar-will-help-flood-forecasting.html>

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"Even more critical is that the collected data will be incredibly useful to manage and moderate the reservoir releases from Chembarambakkam, giving sufficient lead time for the TNSDMA to issue a warning to the public and coordinate flood mitigation and relief measures," he said.

Date: 22nd December 2020

Media: The Hindu (clip attached)

Edition: Chennai

Page No: 4

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: Data collected by IIT-M during Nivar will help flood forecasting

URL: <https://www.thehindu.com/news/cities/chennai/data-collected-by-iit-madras-during-nivar-will-help-flood-forecasting/article33389041.ece>

Data collected by IIT-M during Nivar will help flood forecasting

Real-time exercise measured the currents of the Adyar

STAFF REPORTER
CHENNAI

Real-time data collected by researchers from IIT-Madras on water discharged at several critical places along the Adyar during Cyclone Nivar is expected to help in a crucial way in flood forecasting and mitigation in the future, a statement issued by the institution said.

According to the statement, a team of students and researchers led by Balaji Narasimhan, professor, IIT-M, measured river currents and flow depths across the width of the waterbody to get the integrated flow rate of the river.

K. Phanindra Reddy, Commissioner of Revenue Administration, Tamil Nadu, was quoted in the statement as saying that the data collected by IIT-M, in close coordination with the Tamil Nadu State Disaster Management Authority (TNSDMA), would be useful in operationalising the Real Time Flood Forecasting (RTFF) and Spatial Decision Support System (SDSS) being coordinated under the World Bank-assisted Tamil Nadu Sustainable Urban Development Project (TNSUDP).

The statement highlight-



Out of necessity: The data collection project arose after the Chennai floods in December 2015. • B. VELANKANNI RAJ

ed that the data collection project began after the Chennai floods in December 2015. Through this, a network consisting of 15 automatic weather stations, rain gauges and six water level recorders were established in 2017. However, as the years since 2017 witnessed below normal monsoon, sufficient data in terms of river discharge could not be collected.

Highlighting the outcome of the project, Mr. Narasimhan said this was an important exercise in calibrating and validating the developed flood forecasting models.

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(IMD) with different lead times (from three hours to 72 hours or even longer), he said.

“The ground truth collected during this field campaign during Cyclone Nivar showed that certain parts of the Adyar contributed to up to almost 70% of the flow realised at Anakaputhur with the rest contributed by the release from the Chembarambakkam reservoir,” he added.

“Even more critical is that the collected data will be incredibly useful to manage and moderate the reservoir releases from Chembarambakkam, giving sufficient lead time for the TNSDMA to issue a warning to the public and coordinate flood mitigation and relief measures,” he said.

Date: 22nd December 2020

Media: The New Indian Express (clip attached)

Edition: Chennai

Page No: 2

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT-M researchers collect data to help prevent floods

URL: <https://www.newindianexpress.com/cities/chennai/2020/dec/22/iit-madras-researchers-collect-data-amid-cyclone-nivar-to-help-prevent-floods-in-future-2239469.html>

IIT-M researchers collect data to help prevent floods

EXPRESS NEWS SERVICE

@Chennai

THE Indian Institute of Technology-Madras (IIT-M) researchers and students undertook a data collection exercise amidst the heavy rains and winds during Cyclone Nivar that could be used to prevent future floods in Chennai.

According to a statement from the institute on Thursday, a team of faculty and students led by Prof Balaji Narasimhan, Department of Civil Engineering, IIT-M, measured river dis-

charges at several critical places across Adyar River to collect real-time data during the Cyclone. Using an acoustic current profiler, two teams measured river currents and flow to get the integrated flow rate.

Narasimhan said knowing flow rates for different flow depths could be used to monitor river discharges remotely and automatically at these critical river stretches.

Some preliminary model runs showed that catchments of Somangalam, Manimgalam, Adhanur and Gudu-

vanchery alone could have contributed to up to 70 per cent to 80 per cent of flood flows into Adyar River.

"The collected data would be incredibly useful to manage and moderate the reservoir releases from Chembarambakkam," he said adding that this would give sufficient lead time to issue warning to people in low-lying areas and coordinate flood mitigation and relief measures.

This data collection project

arose after megafloods that hit Chennai during December 2015. IIT-M along with IIT-Bombay, Anna University and the National Centre for Coastal Research (NCCR), developed a pilot flood forecasting system with the funding support from the Principal Scientific Advisor, Government of India. However, due to below normal monsoons over the last few years, sufficient data was unavailable until the year, the statement claimed.



Madras in close coordination with Tamil Nadu State Disaster Management Authority (TNSDMA) would be very useful to operationalise the Real Time Flood Forecasting (RTFF) and Spatial Decision Support System (SDSS) being coordinated by TNUIFLS under World Bank assisted Tamil Nadu Sustainable Urban Development Project (TNSUDP)."

K Phanindra Reddy, Commissioner, Disaster Management and Mitigation said in the statement, "The data collected during this field campaign by IIT

Madras in close coordination with Tamil Nadu State Disaster Management Authority (TNSDMA) would be very useful to operationalise the Real Time Flood Forecasting (RTFF) and Spatial Decision Support System (SDSS) being coordinated by TNUIFLS under World Bank assisted Tamil Nadu Sustainable Urban Development Project (TNSUDP)."

Date: 22nd December 2020
Media: Deccan Chronicle (clip attached)
Edition: Chennai
Page No: 2
Journalist: NA
Professor: Prof. Balaji Narasimhan
Spokesperson Quoted: Mr. K Phanindra Reddy
Headline: 'River flow rate data' to check future floods

'River flow rate data' to check future floods

DC CORRESPONDENT
CHENNAI, DEC. 21

The state government will use the data collected by researchers and students of the Indian Institute of Technology, Madras (IITM), during cyclone 'Nivar' and subsequent heavy rains to operationalise the real time flood forecasting (RTFF) and spatial decision support system (SDSS), with the aim of averting future flooding in the city.

Commissioner, revenue administration, Tamil Nadu state disaster management and mitigation (TNSDMA), K Phanindra Reddy, said that the data

collected during this field campaign by IIT Madras in close coordination with TNSDMA, would be very useful to operationalise both RTFF and SDSS, being coordinated by TNUIFLS under the World Bank-assisted Tamil Nadu sustainable urban development project (TNSUDP).

This data collection project was initially undertaken after mega floods hit Chennai during December 2015 along with IIT Bombay, Anna University and the National Centre for Coastal Research (NCCR). With this, the government had developed a pilot flood forecasting system with the fund-

ing support from the Principal Scientific Advisor, Government of India.

Prof Balaji Narasimhan, who led the data collection team, said that rating curves at critical sections of the rivers are important to understand the volumetric flow rate in different depths for effective flood management. Once a rating curve is developed, an integrated network of water level sensors could be used to remotely monitor water discharges in rivers and automatically. This is an important exercise in calibrating and validating the developed flood forecasting models.

The data collected during 'Nivar' showed that certain parts of Adyar river contributed to almost 70 percent of water flow in the Adyar river at Anakaputhur, with the rest contributed by the Chembarambakkam water release.

Although Chennai did not encounter large-scale flooding during 'Nivar', certain localities in the city experienced flooding and water logging. Data collected during the field campaign that ended on December 11, could give insights into the hydrological behaviour of this catchment and find remedies to mitigate future floods, he added.

ate: 22nd December 2020

Media: DT Next (Clip attached)

Edition: Chennai

Page No: 2

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT-Madras researchers collect real-time data of Adyar river during Nivar

IIT-Madras researchers collect real-time data of Adyar river during Nivar

CHENNAI: In an effort that is expected to play a crucial role to prevent future floods in Chennai, students and researchers from the Indian Institute of Technology-Madras gathered vital data amid the heavy rains and intense winds during Cyclone Nivar.

A team of faculty and students measured discharges at several critical places along Adyar river to collect real-time data during the cyclone. Equipped with 'Acoustic Current Profiler', two teams of students and faculty measured currents and flow depths across the width of the river to get its integrated flow rate.

Explaining the significance of the project, K Phanindra Reddy, Commissioner, Revenue Administration, Disaster Management and Mitigation, said the data collected by the teams in close coordination with Tamil Nadu State Disaster Management Authority (TNSDMA) would be useful to operationalise the Real-Time Flood Forecasting (RTFF) and Spatial Decision Support System (SDSS) being coordinated by TNUIFLS under the World Bank-assisted Tamil Nadu Sustainable Urban Development Project (TNSUDP).

Elaborating on the technical aspects, Prof Balaji Narasimhan said, "As part of robust flood management, rating

curves at critical sections of the rivers are especially important to understand the volumetric flow rate for different flow depths. Once a rating curve is developed, an integrated network of water level sensors could be used to monitor river discharges remotely and automatically at these critical river stretches."

Preliminary model runs showed that catchments of Somangalam, Manimangalam, Adhanur, and Guduvanchery alone could have contributed to up to 70 per cent to 80 per cent of flood flows realised in Adyar river.

Such critical data and a reservoir inflow forecasting system through numerical models could have helped mitigate the impact of 2015 floods. Unlike Chembarambakkam reservoir that has flood gates to regulate water level, the tanks in these catchment areas did not have control measures in 2015. Realising this lacuna, the PWD has begun installing sluice gates in many small tanks to regulate storage in advance, the statement added.

This project was conceived after mega floods hit Chennai in December 2015. IIT-Madras along with IIT-Bombay, Anna University and the National Centre for Coastal Research (NCCR) developed a pilot flood forecasting system with funding support from the Principal Scientific Advisor.

Date: 22nd December 2020

Media: Deshbandhu (Clip attached)

Edifion: New Delhi

Page No: 10

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT Madras initiative to stop flood

बाढ़ को रोकने पर आईआईटी मद्रास की पहल

चेन्नई, 21 दिसम्बर (एजेसियां)। भारतीय प्रौद्योगिकी संस्थान (आईआईटी) मद्रास के शोधकर्ताओं और विद्यार्थियों ने चक्रवाती तूफान निवार के दौरान भारी बारिश और तेज हवाओं के बीच महत्वपूर्ण डेटा इकट्ठा किया है, जो चेन्नई में भविष्य में बाढ़ को रोकने में महत्वपूर्ण भूमिका निभा सकता है। आईआईटी मद्रास की ओर से सोमवार को जारी एक विज्ञप्ति में कहा गया कि आईआईटी मद्रास के सिविल इंजीनियरिंग विभाग के प्रोफेसर बालाजी नरसिम्हन के नेतृत्व में संकाय और विद्यार्थियों की एक टीम ने चक्रवात के दौरान डेटा एकत्रित करने के लिए अडयार नदी के कई महत्वपूर्ण स्थानों पर नदी के निर्वहन को मापा है। विज्ञप्ति में कहा गया कि 2015 की बाढ़ के दौरान संख्यात्मक मॉडल के माध्यम से इस तरह के महत्वपूर्ण जमीनी तथ्यों और एक जलाशय बाढ़ पूर्वानुमान प्रणाली से बाढ़ के प्रभाव को कम करने में मदद मिली थी। राजस्व प्रशासन, आपदा प्रबंधन और शमन के आयुक्त के फनिंद्र रेड्डी ने कहा कि तमिलनाडु राज्य आपदा प्रबंधन प्राधिकरण (टीएनएसडीएमए) के साथ समन्वय कर आईआईटी मद्रास द्वारा इस जमीनी स्तर पर चलाये गये अभियान के दौरान एकत्र किया गया डेटा वास्तविक समय में बाढ़ के पूर्वानुमान के लिये बहुत उपयोगी साबित होगा।

Date: 23rd December 2020

Media: Navjeevan Express

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT-M Researchers brave Cyclone Nivar to collect real-time data on Adyar Rivers' Discharge

URL: <https://navjeevanexpress.com/iit-m-researchers-brave-cyclone-nivar-to-collect-real-time-data-on-adyar-rivers-discharge/>

Indian Institute of Technology Madras Researchers and Students undertook an important data collection exercise amidst the heavy rains and intense winds during Cyclone Nivar that could play a crucial role to prevent future floods in Chennai, a release from IIT-M said.



The Teams from IIT Madras taking measurements during Cyclone Nivar in Chennai. PHOTO: IIT MADRAS

A team of faculty and students led by Prof. Balaji Narasimhan, Department of Civil Engineering, IIT Madras, measured river discharges at several critical places across the Adyar River to collect data in real-time during the Cyclone. Equipped with Acoustic Current Profiler, two teams of students and faculty measured river currents and flow depths across the width of the river to get the integrated flow rate of the river.

During the floods of 2015, such critical ground truth data and a reservoir inflow forecasting system through numerical models could have helped mitigate the impact. The catchments of Somangalam, Manimangalam, Adhanur and Guduvanchery in Chennai with a large network of tanks received a record amount of rainfall during the monsoon of December 2015.



Explaining the significance of this project, Mr. K. Phanindra Reddy IAS, Commissioner, Revenue Administration, Disaster Management and Mitigation, Government of Tamil Nadu, said, "The data collected during this field campaign by IIT Madras in close coordination with Tamil Nadu State Disaster Management Authority (TNSDMA) would be very useful to operationalize the Real Time Flood Forecasting (RTFF) and Spatial Decision Support System (SDSS) being coordinated by TNUIFLS under World Bank assisted Tamil Nadu Sustainable Urban Development Project (TNSUDP)."

Elaborating on the technical aspects of this project, Prof. Balaji Narasimhan said, "As part of a robust flood management, rating curves at critical sections of the rivers are especially important to understand the volumetric flow rate (in m^3/s or ft^3/s) for different flow depths (in m or ft). Once a rating curve is developed, an integrated network of water level sensors could be used to monitor the river discharges remotely and automatically at these critical river stretches."

Some preliminary model runs showed that catchments of Somangalam, Manimangalam, Adhanur and Guduvanchery alone could have contributed to up to 70 per cent to 80 per cent of flood flows realised in Adyar River. Unlike the Chembarambakkam reservoir with flood gates to regulate the water level, the control measures available in the tanks in this part of the catchment was almost nil in 2015. Realising this lacuna, the State Public Works Department (PWD) has begun installing sluice gates in many of the small tanks to regulate the water levels prior to the incoming floods.

This data collection project arose after megafloods that hit Chennai during December 2015. IIT Madras along with IIT Bombay, Anna University and the National Centre for Coastal Research (NCCR), developed a pilot flood forecasting system with the funding support from the Principal Scientific Advisor, Government of India. Through this funding support, a network consisting of 15 automatic weather stations, rain gauges and 6 water level recorders were also established in 2017. However, since 2017 all the subsequent years were all below normal monsoon years and hence sufficient ground truth data in terms of river discharge rate at critical sections could not be collected to validate the models developed as part of the pilot flood forecasting system.

Highlighting the outcomes from this project, Prof. Balaji Narasimhan, Department of Civil Engineering, IIT Madras, said, *"This is an important exercise in calibrating and validating the developed flood forecasting models, so that based on forecasted rainfall by the India Meteorological Department (IMD) at different lead times (from 3 hrs to 72 hrs and even longer) could be used to forecast the river stage and discharges. The ground truth collected during this field campaign during Cyclone Nivar showed that certain parts of Adyar river contributed to up to almost 70 per cent of flow realised in Adyar river at Anakaputhur with the rest contributed by the Chembarambakkam releases."*

Although Chennai did not encounter large scale flooding during Cyclone Nivar, certain localities in the city experienced some flooding and waterlogging. The data collected during the field campaign, which continued till 11th December 2020, could give insights into the hydrological behaviour of this catchment and find remedies to mitigate future floods.

Further, Prof. Balaji Narasimhan said, *"Even more critical is, the collected data would be incredibly useful to manage and moderate the reservoir releases from Chembarambakkam, giving sufficient lead time for officials from Tamil Nadu State Disaster Mitigation Authority (TNSDMA) to issue warning to the public in low-lying regions and coordinate flood mitigation and relief measures."*

Date: 22nd December 2020

Media: Shiksha

Edition: Online

Journalist: NA

Professor: Prof. Balaji Narasimhan

Spokesperson Quoted: Mr. K Phanindra Reddy

Headline: IIT Madras researchers, students collect real-time data during cyclone to avoid future floods

URL: <https://www.shiksha.com/engineering/articles/iit-madras-researchers-students-collect-real-time-data-during-cyclone-to-avoid-future-floods-blogId-52077>

Indian Institute of Technology Madras Researchers and Students undertook an important data collection exercise amidst the heavy rains and intense winds during Cyclone Nivar that could play a crucial role to prevent future floods in Chennai, a release from IIT-M said.



The Teams from IIT Madras taking measurements during Cyclone Nivar in Chennai. PHOTO: IIT MADRAS

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Date: 23rd December 2020

Media: The Pioneer (clip attached)

Edition: New Delhi

Page No: 11

Journalist: NA

Professor: Prof. Balaji Narasimhan

Headline: Real-Time Flood Forecasting by IIT Madras

URL: <https://www.dailypioneer.com/2020/avenues/in-brief-in-brief-2020-12-23.html>

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Date: 23rd December 2020

Media: India Science Wire

Edition: Online

Journalist: NA

Professor: Prof. R.I. Sujith

Headline: Researchers discover a universal phenomenon that may help connect dissimilar fields

URL: <http://vigyanprasar.gov.in/isw/Researchers-discover-a-universal-phenomenon-that-may-help-connect-dissimilar-fields.html>

Ever observed the flock of pigeons taking off in a jiffy? Suddenly they take-off helter-skelter but within a flash, they are in a formation. The sudden emergence of spontaneous order is called self-organisation. While the random flight is periodic, the emergence of formation is harmonic. In the self-organisation, individual components organise their collective behaviour to create global order by interactions amongst themselves rather than through external intervention or instruction.

Periodic oscillations are prevalent in nature and can have good or bad outcomes. The periodic oscillations in a flute are, for example, soothing, while those of a bridge can herald its catastrophic collapse. Studies have shown that these fluctuations are caused by a phenomenon called 'Aeroelastic Instability,' which results from interactions between the structural dynamics and the flow around it.

Exploring the universal features of transitions from random patterns to well-ordered periodic patterns in diverse systems will shed light on self-organisation evolution. It thus offers a handle for better management of engineering and non-engineering phenomena.

A team of researchers from the Indian Institute of Technology Madras (IIT Madras) with researchers from the University of California San Diego, USA and Potsdam Institute for Climate Impact Research (PIK) and Humboldt University in Berlin, Germany, has uncovered a universal phenomenon that occurs during critical transitions in complex systems that exist in the realms of engineering systems and outside of it.

This team has discovered that there is a universal route through which the transition to periodic oscillations occurs in complex systems. It may appear surprising that transitions in disparate systems such as power blackouts, extreme climatic events, the sudden crash of financial markets and a thermoacoustic transition could have anything in common. Prof. R.I. Sujith, D. Srinivasan Chair Professor, Department of Aerospace Engineering, IIT Madras, said, "We have shown that the transition to the periodically oscillating state can be viewed as a redistribution of energy from a wide band of frequencies to the most dominant frequency."

Exploring the universal features of transitions from random patterns to well-ordered periodic patterns in diverse systems will shed light on self-organisation evolution. It thus offers a handle for better management of engineering and non-engineering phenomena.

The researchers refer to this phenomenon as spectral condensation and describe the transition in a system-independent method. Unearthing this unique and universal behaviour offers insights into many problems, independent of the problem set-up details. It brings entirely diverse systems under a single umbrella. "The behaviour of complex systems, be it engineering or otherwise, is independent of the details of the problem, with fundamentally different physical systems displaying similar dynamic behaviour," adds Prof. Sujith.

The transition of complex systems to a state of periodic oscillations is common. Such transitions are dangerous in rocket motors, boilers and gas turbine engines, or advantageous, such as in lasers. Their

discovery of spectral condensation enables a priori estimation of the amplitude of oscillations. Such advance estimations can help take timely countermeasures to prevent damage. For example, the prediction of the emergence of oscillations and their amplitude can help adopt strategies to protect gas turbine engines from catastrophic failure. The universal behaviour of spectral condensation can help control the parameters of stability in various engineering systems of practical importance across disciplines.

The real-world applications of this discovery go beyond engineering domains. The universality of spectral condensation makes it suitable to predict emergent periodic behaviour in other phenomena as well. For example, they can be extended to predict the magnitude of earthquakes and understand the emergence of diseases.

The generality of this discovery connects otherwise unrelated fields through a common framework. It paves the way for transdisciplinary scientific research. This work has recently been published in the journal - Scientific Reports.

Date: 25th December 2020

Media: Delhi Post

Edition: Online

Journalist: NA

Professor: Prof. R.I. Sujith

Headline: Researchers discover a universal phenomenon that may help connect dissimilar fields

URL: <https://delhipostnews.com/researchers-discover-a-universal-phenomenon-that-may-help-connect-dissimilar-fields/>

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Date: 24th December 2020

Media: The Federal

Edition: Online

Journalist: NA

Professor: Prof. R.I. Sujith

Headline: Researchers discover universal phenomenon that may help connect dissimilar fields

URL: <https://thefederal.com/science/researchers-discover-universal-phenomenon-that-may-help-connect-dissimilar-fields/>

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Date: 29th December 2020

Media: Rajya Sabha TV

Edition: Electronic

Journalist: Aruna Thakur

Headline: The Real Heroes of 2020

URL: <https://www.youtube.com/watch?v=gxdvVlknGwA&feature=youtu.be> (19:10-20:00)



MHRD

Government of India
Ministry of Human Resource Development

IIT MADRAS

develops **portable hospital units termed 'MediCAB'**
to treat COVID-19 patients



RStv
RAJYA SABHA

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Date: 23rd December 2020

Media: The Hindu Business Line (clip attached)

Edition: Chennai / Kolkata / Mumbai / New Delhi

Page No: 9

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: Rajasthan govt signs MoU with IIT-Madras for tech solution to road safety

URL: <https://www.thehindubusinessline.com/news/national/rajasthan-govt-signs-mou-with-iit-madras-for-tech-solution-to-road-safety/article33400161.ece>

IIT-M inks pact to implement road safety solutions for Rajasthan

OUR BUREAU

Chennai, December 23

The Indian Institute of Technology Madras, will collaborate with the Rajasthan government to implement a structured framework for a data-driven system approach to road safety.

An MoU for this collaboration was signed recently between the Rajasthan government represented by its Transport Commissioner Ravi Jain and Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research) of IIT Madras.

The objective is to enhance road safety measures, increase capacity and capability across the board in the government to both increase the survivability of road accident victims and reduce occurrence rate in the State, says a release from IIT Madras.

Pratap Singh Khachariy-



awas, Minister for Transport, Government of Rajasthan, said, "We are delighted to join hands with RBG Labs at IIT Madras to help implement the Tamil Nadu Model of Road Safety and we are ready to facilitate interactions between the stakeholders of Government of Rajasthan and IIT Madras."

The key outcomes targeted from this collaboration include building capability of the core road safety team in Rajasthan; help build strategies and implement

work packages for all stakeholder departments; develop a road map towards reaching the goal of 50 per cent reduction in road fatalities by 2030 and eventually to zero deaths and help build a data driven trauma care with institutional registry developed by IIT Madras.

Venkatesh Balasubramanian, Faculty In-Charge, Rehabilitation Bioengineering Group (RBG) Labs, Department of Engineering Design, IIT Madras, said that the engagement will bring benefits to both the partners. With requisite orientation and training programmes, the stakeholders from Rajasthan are expected to develop both capacity and capability. This will be essential in implementing and using the information from the huge road accident data from MoRTH - Integrated Road Accident Database.

Date: 23rd December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: IIT Madras to help Rajasthan government improve road safety

URL: <https://www.thehindu.com/news/cities/chennai/iit-madras-to-help-rajasthan-government-improve-road-safety/article33402047.ece>

The Indian Institute of Technology Madras has signed an agreement with Rajasthan government to implement a framework to improve road safety in that State.

Rajasthan government's transport commissioner Ravi Jain and IIT Madras' dean for industrial consultancy and sponsored research Ravindra Gettu signed the agreement recently. Mr. Jain said Rajasthan was one of the pilot States to implement the Integrated Road Accident Database.

According to Rajasthan Transport Minister Pratap Singh Kachariyawas the Institute's Rehabilitation Bioengineering Group (RBG) laboratory in the Department of Engineering Design would help implement the Tamil Nadu model of road safety in his State.

The aim is to reduce road fatalities by half by 2030 in road traffic accidents. The institute would develop a registry and help build data-driven trauma care.

Mr. Gettu said the institute would build the capability of various stakeholders in the Rajasthan government. The collaboration would involve various State departments including Public Works, National Highways Authority of India, police, health and medical services.

Venkatesh Balasubramanian, faculty in-charge of RBG labs, who is coordinating the initiative said Rajasthan would develop capacity and capability. It would be essential in implementing and using the information from the IRDA of the Ministry of Road Transport and Highways, he said.

MoRTH Secretary Giridhar Aramane said the Ministry had been backing RBG labs to take its structured data-driven system approach across the country. He expressed hope to see the initiative have a major impact in Rajasthan.

Date: 23rd December 2020

Media: The Economic Times

Edition: Online

Journalist: Rica Bhattacharyya

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: IIT Madras to collaborate with govt of Rajasthan to implement data-driven systems approach to road safety

URL: <https://economictimes.indiatimes.com/industry/transportation/roadways/iit-madras-to-collaborate-with-govt-of-rajasthan-to-implement-data-driven-systems-approach-to-road-safety/articleshow/79915751.cms>

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Date: 23rd December 2020

Media: UNI

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu

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Headline: IIT-Madras to collaborate with Raj govt on road safety

URL: <http://www.uniindia.com/iit-madras-to-collaborate-with-raj-govt-on-road-safety/south/news/2272113.html>

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Date: 23rd December 2020

Media: The New Indian Express- EDEX

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: Rajasthan Government to implement Data-driven systems approach to Road Safety in Collaboration with IIT Madras

URL: <https://www.edexlive.com/news/2020/dec/23/rajasthan-government-to-implement-data-driven-systems-approach-to-road-safety-in-collaboration-with-16797.html>

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Date: 24th December 2020

Media: DT Next

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Headline: IIT-M to help Rajasthan with data-driven road safety plan

URL: <https://www.dtnext.in/News/City/2020/12/24051606/1267969/IITM-to-help-Rajasthan-with-datadriven-road-safety-.vpf>

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Rajasthan government's transport commissioner Ravi Jain and IIT Madras' dean for industrial consultancy and sponsored research Ravindra Gettu signed the agreement recently. Mr. Jain said Rajasthan was one of the pilot States to implement the Integrated Road Accident Database. According to Rajasthan Transport Minister Pratap Singh Kachariyawas the Institute's Rehabilitation Bioengineering Group (RBG) laboratory in the Department of Engineering Design would help implement the Tamil Nadu model of road safety in his State.

The aim is to reduce road fatalities by half by 2030 in road traffic accidents. The institute would develop a registry and help build data-driven trauma care.

Mr. Gettu said the institute would build the capability of various stakeholders in the Rajasthan government. The collaboration would involve various State departments including Public Works, National Highways Authority of India, police, health and medical services.

Venkatetsh Balasubramanian, faculty in-charge of RBG labs, who is coordinating the initiative said Rajasthan would develop capacity and capability. It would be essential in implementing and using the information from the IRDA of the Ministry of Road Transport and Highways, he said.

MoRTH Secretary Giridhar Aramane said the Ministry had been backing RBG labs to take its structured data-driven system approach across the country. He expressed hope to see the initiative have a major impact in Rajasthan.

Date: 23rd December 2020

Media: BW Education

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Govt of Rajasthan To Implement Data-driven Systems Approach To Road Safety In Collaboration With IIT Madras

URL: <http://bweduction.businessworld.in/article/Govt-Of-Rajasthan-To-Implement-Data-driven-Systems-Approach-To-Road-Safety-In-Collaboration-With-IIT-Madras/23-12-2020-357209/>

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Date: 23rd December 2020

Media: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Govt of Rajasthan to implement Data-driven Systems approach to Road Safety in Collaboration with IIT Madras

URL: <https://skilloutlook.com/education/govt-of-rajasthan-to-implement-data-driven-systems-approach-to-road-safety-in-collaboration-with-iit-madras>

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Date: 23rd December 2020

Media: Navjeevan Express

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Rajasthan to implement Data-driven Systems approach for Road Safety in Collaboration with IIT Madras

URL: <https://navjeevanexpress.com/rajasthan-to-implement-data-driven-systems-approach-for-road-safety-in-collaboration-with-iit-madras/>

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Date: 23rd December 2020

Media: Edu Advice

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Rajasthan Govt to implement Data-driven Systems with IIT Madras

URL: <http://eduadvice.in/home/NewsDetail?pid=33278>

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Date: 23rd December 2020

Media: India Education Diary

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Govt of Rajasthan to implement Data-driven Systems approach to Road Safety in Collaboration with IIT Madras

URL: <https://indiaeducationdiary.in/govt-of-rajasthan-to-implement-data-driven-systems-approach-to-road-safety-in-collaboration-with-iit-madras/>

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Date: 23rd December 2020

Media: College Chalo

Edition: Online

Journalist: S. Vishnu Sharma

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Researchers from IIT M collect great data on river discharge

URL: <https://www.collegechalo.com/news/researchers-from-iit-m-collect-great/>

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Date: 23rd December 2020

Media: Infodea

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Govt of Rajasthan to implement Data-driven Systems approach to Road Safety in Collaboration with IIT Madras

URL: <https://www.infodea.in/campus-talk/govt-of-rajasthan-to-implement-data-driven-systems-approach-to-road-safety-in-collaboration-with-iit-madras/>

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Date: 24th December 2020

Media: Rajasthan Patrika (clip attached)

Edition: Jaipur

Page No: 9

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Data- based system for road safety will be implemented

सड़क सुरक्षा की डेटा- आधारित व्यवस्था होगी लागू

डेली न्यूज, जयपुर। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा। इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिध रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, डीन (औद्योगिक परामर्श और प्रायोजित अनुसंधान) ने हस्ताक्षर किए। करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है। राज्य सरकार के परिवहन मंत्री प्रताप सिंह खचरियावास ने कहा, 'हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है, ताकि कम से कम सड़क दुर्घटनाएं हो और इनसे मृत्यु के मामलों में कमी आए।

Date: 24th December 2020

Media: Dainik Bhaskar (clip attached)

Edition: Jaipur

Page No: 22

Journalist: NA

Professor: Prof. Ravindra Gettu

Spokesperson Quoted: Mr. Ravi Jain

Headline: IIT Madras signed an MOU with the state Govt

आईआईटी मद्रास का राज्य सरकार से एमओयू

जयपुर | राजस्थान सरकार ने भारतीय प्रौद्योगिकी संस्थान (आईआईटी) मद्रास से एमओयू किया है, ताकि सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा आधारित व्यवस्था कायम करने में मदद मिल सके। एमओयू पर परिवहन आयुक्त रवि जैन और आईआईटी मद्रास के डीन रविंद्र गेट्टू ने हस्ताक्षर किए। राज्य के परिवहन मंत्री प्रताप सिंह खाचरियावास ने कहा कि इसका उद्देश्य सड़क सुरक्षा उपायों को बढ़ाना, दुर्घटनाग्रस्त लोगों की जान बचाने और हादसों में कमी लाना है।

Date: 24th December 2020

Media: Sandesh (clip attached)

Edition: Jaipur

Page No: 2

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Rajasthan Govt to implement Data- based road safety system with the help of IIT Madras



आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

जयपुर। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा।

इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि श्री रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, डीन (औद्योगिक परामर्श और प्रायोजित अनुसंधान) ने हस्ताक्षर किए।

करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है।

करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री श्री प्रताप सिंह खचरियावास ने कहा, 'हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने की दृष्टि से संकल्प रही है ताकि कम-से-कम सड़क दुर्घटनाएं हों और इनसे मृत्यु के मामलों में कमी आए। इस संबंध में हम आईआईटी मद्रास के आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं।'

करार के बारे में आईआईटी मद्रास के डीन (औद्योगिक परामर्श एवं प्रायोजित अनुसंधान) प्रो. रविंद्र गेट्टू ने बताया, 'इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के विभिन्न भागीदारों की क्षमता का विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा।'

इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचएआई), पुलिस, स्वास्थ्य एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां।

इस पहल के समन्वयक प्रो. वेंकटेश बाला सुब्रमण्यन, फेकल्टी इन-चार्ज, रिहैबिलिटेशन बायोइंजीनियरिंग ग्रुप (आरबीबी) लैबरेटरी, इंजीनियरिंग डिजाइन विभाग, आईआईटी मद्रास ने इस करार के बारे में कहा, 'सड़कें हम सभी की साझा संपत्ति हैं और उन पर लोगों की सुरक्षा भी सभी भागीदारों की सामूहिक जिम्मेदारी है। हालांकि इस जिम्मेदारी को लेकर स्पष्टता नहीं हो और जिम्मेदारी तय नहीं की जा सके तो इसमें कमी बनी रहेगी। इसलिए डेटा के आधार पर ठोस रणनीति का विकास करना सबसे अच्छा उपाय है। इसके लिए डिजाइन थिंकिंग चाहिए क्योंकि केवल समस्याओं को समझ कर निदान करना पर्याप्त नहीं होगा बल्कि ऐसे बदलाव करने होंगे जो स्थानीय परिस्थितियों में स्थायी हों।'

Date: 24th December 2020

Media: Jalte Deep (clip attached)

Edition: Jaipur

Page No: 2

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू

करेगी (Rajasthan Govt to implement Data- based road safety system with the help of IIT Madras)

URL: <https://dainikijalTEDeep.com/rajasthan-government-will-implement-data-based-system-of-road-safety-with-the-help-of-iit-madras/>

आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

■ जलतेदीप कासं, जयपुर

भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा। इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, डीन ने हस्ताक्षर किए। करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है। करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री प्रताप सिंह खचरियावास ने कहा, "हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है ताकि कम-से-कम सड़क दुर्घटनाएं हों और इनसे



मृत्यु के मामलों में कमी आए। इस संबंध में हम आईआईटी मद्रास के आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं। करार के बारे में आईआईटी मद्रास के डीन (औद्योगिक परामर्श एवं प्रायोजित अनुसंधान) प्रो. रविंद्र गेट्टू ने बताया, इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के विभिन्न भागीदारों की क्षमता का

विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा। इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचएआई), पुलिस, स्वास्थ्य एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां।

इस पहल के समन्वयक प्रो. वेंकटेश बाला सुब्रमण्यन, फैकल्टी इन-चारज, रिहैबिलिटेशन बायोइंजीनियरिंग ग्रुप (आरबीबी) लैबरेटरी, इंजीनियरिंग डिजाइन विभाग, आईआईटी मद्रास ने इस करार के बारे में कहा, सड़कें हम सभी की साझा संपत्ति हैं और उन पर लोगों की सुरक्षा भी सभी भागीदारों की सामूहिक जिम्मेदारी है। हालांकि इस जिम्मेदारी को लेकर स्पष्टता नहीं हो और जिम्मेदारी तय नहीं की जा सके तो इसमें कमी बनी रहेगी। इसलिए डेटा के आधार पर ठोस रणनीति का विकास करना सबसे अच्छा उपाय है।

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Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

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आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

जयपुर। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा।

इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि श्री रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, डीन (औद्योगिक परामर्श और प्रायोजित अनुसंधान) ने हस्ताक्षर किए।

करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है।

करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री श्री प्रताप सिंह खचरियावास ने कहा, 'हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है ताकि कम-से-कम सड़क दुर्घटनाएं हों और इनसे मृत्यु के मामलों में कमी आए। इस संबंध में हम आईआईटी मद्रास के आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं।'

करार के बारे में आईआईटी मद्रास के डीन (औद्योगिक परामर्श एवं प्रायोजित अनुसंधान) प्रो. रविंद्र गेट्टू ने बताया, 'इस एमओयू से हमारे आपसी सहयोग को



बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के विभिन्न भागीदारों की क्षमता का विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा।'

इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचआई), पुलिस, स्वास्थ्य एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां।

इस पहल के समन्वयक प्रो. वेंकटेश बाला

सुब्रमण्यन, फैकल्टी इन-चार्ज, रिहैबिलिटेशन बायोइंजीनियरिंग ग्रुप (आरजीबी) लैबरेटरी, इंजीनियरिंग डिजाइन विभाग, आईआईटी मद्रास ने इस करार के बारे

में कहा, 'सड़कें हम सभी की साझा संपत्ति हैं और उन पर लोगों की सुरक्षा भी सभी भागीदारों की सामूहिक जिम्मेदारी है। हालांकि इस जिम्मेदारी को लेकर स्पष्टता नहीं हो और जिम्मेदारी तय नहीं की जा सके तो इसमें कमी बनी रहेगी। इसलिए डेटा के आधार पर ठोस रणनीति का विकास करना सबसे अच्छा उपाय है। इसके लिए डिजाइन थिंकिंग चाहिए क्योंकि केवल समस्याओं को समझ कर निदान करना पर्याप्त नहीं होगा बल्कि ऐसे बदलाव करने होंगे जो स्थानीय परिस्थितियों में स्थायी हों।'

प्रो. वेंकटेश बालासुब्रमण्यन ने कहा, 'यह व्यापक समझौता दोनों भागीदारों को लाभ देने का करारनामा है। आवश्यक ओरियंटेशन और प्रशिक्षण कार्यक्रमों से राजस्थान राज्य सरकार के भागीदारों की सक्षमता और कार्य क्षमता दोनों में उल्लेखनीय वृद्धि की उम्मीद है। सड़क सुरक्षा को लेकर एमओआरटीएच, यानी, 'इंटीग्रेटेड रोड एक्सीडेंट डेटाबेस' (आईआरएडी) के डेटा (मैग्नेट ओपस) का उपयोग और लाभ लेने के दृष्टिकोण से भी इस करार की एक अनिवार्यता है।'

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इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि श्री रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, खीन (औद्योगिक परामर्श और प्रयोजित अनुसंधान) ने हस्ताक्षर किए।

करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है।

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कम-से-कम सड़क दुर्घटनाएँ हों और इनसे मृत्यु के मामलों में कमी आए। इस संबंध में हम आईआईटी मद्रास के आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं।'

करार के बारे में आईआईटी मद्रास के खीन (औद्योगिक परामर्श एवं प्रयोजित अनुसंधान) प्रो. रविंद्र गेट्टू ने बताया, 'इस एमओयू से हमारे आपसी सहयोग को बढ़ाना मिलेगा। आईआईटी मद्रास राजस्थान सरकार के विभिन्न भागीदारों की क्षमता का विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा।'

इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचएआई),

पुलिस, स्वास्थ्य एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियाँ।

इस पहल के समन्वयक प्रो. वेंकटेश बाला सुब्रमण्यन, फैकल्टी इन-चार्ज, रिहैबिलिटेशन बायोइंजीनियरिंग ग्रुप (आरबीबी) लैबरेटरी, इंजीनियरिंग डिजाइन विभाग, आईआईटी मद्रास ने इस करार के बारे में कहा, 'सड़कें हम सभी की सद्भा संपत्ति हैं और उन पर लोगों की सुरक्षा भी सभी भागीदारों की सामूहिक जिम्मेदारी है। हालाँकि इस जिम्मेदारी को लेकर स्पष्टता नहीं है और जिम्मेदारी तय नहीं की जा सके तो इसमें कमी बनी रहेगी। इसलिए डेटा के आधार पर ठोस रणनीति का विकास करना सबसे अच्छा उपाय है। इसके लिए डिजाइन थिंकिंग चाहिए क्योंकि केवल समस्याओं को समझ कर निदान करना पर्याप्त नहीं होगा बल्कि ऐसे बदलाव करने होंगे जो स्थानीय परिस्थितियों में स्थायी हों।'

प्रो. वेंकटेश बालासुब्रमण्यन ने कहा, 'यह व्यापक समझौता दोनों भागीदारों को लाभ देने का करारनामा है। आवश्यक ओरियंटेशन और प्रशिक्षण कार्यक्रमों से राजस्थान राज्य सरकार के भागीदारों की सक्षमता और कार्य क्षमता दोनों में उल्लेखनीय वृद्धि की उम्मीद है। सड़क सुरक्षा को लेकर एमओआरटीएच, यानी, 'इंटीग्रेटेड रोड एक्सप्लोडेंट डेटाबेस' (आईआरएडी) के डेटा (मैग्म ओपस) का उपयोग और लाभ लेने के दृष्टिकोण से भी इस करार की एक अनिवार्यता है।'



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Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: Rajasthan Govt to implement Data- based road safety system with the help of IIT Madras

आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

जयपुर। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा।

इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि श्री रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, डीन (औद्योगिक परामर्श और प्रायोजित अनुसंधान) ने हस्ताक्षर किए।

करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है।

करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री श्री प्रताप सिंह खचरियावास ने कहा, 'हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है ताकि कम-से-कम सड़क दुर्घटनाएं हों और इनसे मृत्यु के मामलों

में कमी आए। इस संबंध में हम आईआईटी मद्रास के



आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं।

करार के बारे में आईआईटी मद्रास के डीन (औद्योगिक परामर्श एवं प्रायोजित अनुसंधान) प्रो. रविंद्र गेट्टू ने बताया, 'इस एमओयू से हमारे आपसी

सहयोग को बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के विभिन्न भागीदारों की क्षमता का विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा।'

इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचएआई), पुलिस, स्वास्थ्य एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां।

इस पहल के समन्वयक प्रो. वेंकटेश बाला सुब्रमण्यन, फैकल्टी इन-चार्ज, रिहैबिलिटेशन बायोइंजीनियरिंग ग्रुप (आरबीबी) लैबरेटरी, इंजीनियरिंग डिजाइन विभाग, आईआईटी मद्रास ने इस करार के बारे में कहा, 'सड़कें हम सभी की साझा संपत्ति हैं और उन पर लोगों की सुरक्षा भी सभी भागीदारों की सामूहिक जिम्मेदारी है। हालांकि इस जिम्मेदारी को लेकर स्पष्टता नहीं हो और जिम्मेदारी तय नहीं की जा सके तो इसमें कमी बनी रहेगी।

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Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

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प्रदेश सरकार आईआईटी मद्रास की मदद से सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

जयपुर (एजेंसी)। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि श्री रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, डीन (औद्योगिक परामर्श और प्रायोजित अनुसंधान) ने हस्ताक्षर किए। करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है। करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री प्रताप सिंह खचरियावास ने कहा, "हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है ताकि कम-से-कम सड़क दुर्घटनाएं हों और इनसे मृत्यु के मामलों में कमी आए। इस संबंध में हम आईआईटी मद्रास के आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं।

इस करार के परिणामस्वरूप मुख्य लक्ष्यों में शामिल हैं:

- ▶ राजस्थान की बुनियादी सड़क सुरक्षा टीम की क्षमता का विकास।
- ▶ राजस्थान में सड़क सुरक्षा के लक्ष्यों को पूरा करने हेतु राज्य के सभी संबद्ध विभागों को रणनीति बनाने और लागू करने में मदद करना।
- ▶ एसडीजी के लक्ष्यों को पूरा करने हेतु 2030 तक सड़क दुर्घटनाओं में 50 प्रतिशत कमी और अंततः सड़क दुर्घटनाओं में मृत्यु के मामले शून्य करने का रोड मैप तैयार करना।
- ▶ दुर्घटनाग्रस्तों के आघात उपचार के लिए आईआईटी मद्रास में विकसित संस्थागत पंजीकरण के साथ डेटा आधारित देखभाल की व्यवस्था करना।

करार के बारे में आईआईटी मद्रास के डीन (औद्योगिक परामर्श एवं प्रायोजित अनुसंधान) प्रो. रविंद्र गेट्टू ने बताया, इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के विभिन्न भागीदारों की क्षमता का विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा। इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचएआई), पुलिस, स्वास्थ्य

एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां। इस पहल के समन्वयक प्रो. वेंकटेश बाला मुन्नमण्यन, फैकल्टी इन-चार्ज, रिहैबिलिटेशन बायोइंजीनियरिंग ग्रुप (आरबीबी) लैबरेटरी, इंजीनियरिंग डिजाइन विभाग, आईआईटी मद्रास ने इस करार के बारे में कहा, सड़कें हम सभी की साझा संपत्ति हैं और उन पर लोगों की सुरक्षा भी सभी भागीदारों की सामूहिक जिम्मेदारी है। हालांकि इस जिम्मेदारी को लेकर स्पष्टता नहीं हो और जिम्मेदारी तय नहीं की जा सके तो इसमें कमी बनी रहेगी। इसलिए डेटा के आधार पर ठोस रणनीति का विकास करना सबसे अच्छा उपाय है। इसके लिए डिजाइन थिंकिंग चाहिए क्योंकि केवल समस्याओं को समझ कर निदान करना पर्याप्त नहीं होगा बल्कि ऐसे बदलाव करने होंगे जो स्थानीय परिस्थितियों में स्थायी हों। प्रो. वेंकटेश बालामुन्नमण्यन ने कहा, यह व्यापक समझौता दोनों भागीदारों को लाभ देने का करारनामा है। आवश्यक ओरियंटेशन और प्रशिक्षण कार्यक्रमों से राजस्थान राज्य सरकार के भागीदारों की सक्षमता और कार्य क्षमता दोनों में उल्लेखनीय वृद्धि की उम्मीद है। सड़क सुरक्षा को लेकर एमओआरटीएच, यानी, 'इंटीग्रेटेड रोड एक्सीडेंट डेटाबेस' (आईआरएडी) के डेटा (मैग्नेम ओपस) का उपयोग और लाभ लेने के दृष्टिकोण से भी इस करार की एक अनिवार्यता है।

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Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

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आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

जयपुर। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा।

इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि श्री रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, डीन (औद्योगिक परामर्श और प्रायोजित अनुसंधान) ने हस्ताक्षर किए।

करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है।

करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री श्री प्रताप सिंह खचरियावास ने कहा, "हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है ताकि कम-से-कम सड़क दुर्घटनाएं हों और इनसे मृत्यु के मामलों में कमी आए। इस संबंध में हम आईआईटी मद्रास के आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं।"

करार के बारे में आईआईटी मद्रास के डीन (औद्योगिक परामर्श एवं प्रायोजित अनुसंधान) प्रो. रविंद्र गेट्टू ने बताया, 'इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के



विभिन्न भागीदारों की क्षमता का विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा।

इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचएआई), पुलिस, स्वास्थ्य एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां।

Date: 24th December 2020

Media: Rajasthan Patrika

Edition: Online

Journalist: Santosh Tiwari

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था करेगी लागू

(Rajasthan government will implement data-based system of road safety with the help of IIT Madras)

URL: <https://www.patrika.com/chennai-news/govt-of-rajasthan-to-implement-data-driven-systems-approach-to-road-sa-6590423/>

भारतीय औद्योगिक संस्थान मास राजस्थान सरकार से सहमत करार कर सड़क सुरा का सुनयोजित ढांचा बनाने के लय से डेटा-आधारत वथा कायम करने म राय सरकार क मदद करेगा। इस सहमत करार पर हाल ही म राजथान सरकार के तनध रव जैन, परवहन आयु और आईआईटी मास के तनध संथान के प्रोफेसर रव गेट्टू, डीन (औद्योगिक परामश और आयोजत अनुसंधान) ने हतार कए। करार का मुय उेय सड़क सुरा के उपाय को बढ़ाना, सड़क पर घटनात लोग क जान बचाने और राय म घटना के मामल म कमी के बेहतर उपाय करने के लय से सरकार म हर तर पर समता और काय मता बढ़ाना है। और पढ़ खबर शानदार . सामुदायक वाय के म नह ह एट इंरेबीज इंजेशन शाद के बाद बहन को ससुराल म छोडकर नकला भाई, राते म इंतजार कर रही थी Bhind 3 h छोटे से पांडा ने पूरा कया बेहद टफ चैलज, वीडयो आ वायरल 3 /12 इंडया राय मनोरंजन खेल व शा ऑटोमोबाइल गैजेट बजनेस वाय धम/योतष पकायन वीडयो तवीर शोक सदेश EPAPE हमारी वेबसाइट पर कंटट का योग जारी रखकर आप हमारी गोपनीयता नीत और कूकज नीत से सहमत होते ह। OK 1/4/2021 Govt Of - आईआईटी मास की मदद से राजथान सरकार सड़क सुरा की डेटा... ढ करार को अहम बताते ए राजथान सरकार के परवहन मंत्री ताप सह खचरयावास ने कहा, हमारी सरकार हमेशा पूरे राय म सड़क सुरा के बेहतर उपाय करने को ढ संकप रही है ताक कम-से-कम सड़क घटनाए ह और इनसे मृत्यु के मामल म कमी आए। इस संबंध म हम आईआईटी मास के आरबीजी लैस से करार कर बत खुश ह। इससे सड़क सुरा का तमलनाडु मॉडल लाग करने म मदद मलेगी और हम राजथान सरकार के भागीदार और आईआईटी मास के बीच संपक-संवाद क सुवधा बढ़ाने के लए तैयार ह। करार के बारे म आईआईटी मास के डीन (औद्योगिक परामश एवं आयोजत अनुसंधान) प्रो. रव गेट्टू ने बताया, इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मलेगा। आईआईटी मास राजथान सरकार के वभन भागीदार क मता का वकास करेगा और उह एक सफल सड़क सुरा कायम क परेखा बनाने और लाग करने म मदद करेगा। इस करार के तहत सड़क सुरा से जुड़े राजथान सरकार के वभन वभाग भागीदार हगे जैसे लोक नमाण वभाग (पीड्यूडी), भारतीय रीय राजमाग ाधकरण (एनएचएआई), परवहन, शा, शहरी वकास एवं आवास, थानीय व सरकार, पुलस, वाय एवं चकसा सेवा वभाग सहत अय एजसयां, इस पहल को सफल बनाएगे। आईआईटी मास के आरबीजी लैस ारा वकसत डजाइन थकग अपना कर राजथान म सड़क घटना म मृत्यु के मामल म कमी करना इसका मकसद है। इस पहल के समवयक प्रो. वकटेश बाला सुमयन, फैकट इन-चाज, र्हेबलटेशन बायोइंजीनयरग प (आरजीबी) लैबरेटरी, इंजीनयरग डजाइन वभाग ने इस करार के बारे म कहा, सड़क हम सभी क साझा संप ह और उन पर लोग क सुरा भी सभी भागीदार क सामूहक जमेदारी है। हालांक इस जमेदारी को लेकर पता नह हो और जमेदारी तय नह क जा सके तो इसम कमी बनी रहेगी। इसलए डेटा के आधार पर ठोस रणनीत का वकास करना सबसे अछा उपाय है। इसके लए डजाइन थकग चाहए यक केवल समया को समझ कर नदान करना पयात नह होगा बक ऐसे बदलाव करने हगे जो थानीय परथतय म थाई ह। प्रो. वकटेश बालासुमयन ने कहा, यह ापक समझौता दोन भागीदार को लाभ देने का करारनामा है। आवयक ओरयंटेशन और शण कायम से राजथान राय सरकार के भागीदार क समता और काय मता दोन म उलेखनीय वृ क उमीद है। सड़क सुरा को लेकर एमओआरएच, यानी, 'इंटेडेड रोड एसीडट डेटाबेस' (आईआरएडी) के डेटा (मैनम ओपस) का उपयोग और लाभ लेने के कोण से भी इस करार क एक अनवायता है। राय म 2030 तक सड़क घटना म 50 तशत कमी करने के एसडीजी (सतत वकास के लय) लय ात करने म इसका बत लाभ मलेगा। अंततः सड़क घटना म मृत्यु के मामले शूय करने

का रोड मैप तैयार होगा। घटनात के आघात उपचार के लए आईआईट मास म वकसत संथागत पंजीकरण के साथ डेटा आधारत देखभाल क वथा करना करार का मुय लय है।

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Media: Patrika Jagat

Edition: Online

Journalist: Rashmi Sharma

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

(Rajasthan government will implement data-based system of road safety with the help of IIT Madras)

URL: <https://www.patrikajagat.com/2020/12/govt-of-rajasthan-to-implement-data-driven-systems-approach-to-road-safety-in-collaboration-with-iit-madras/>

भारतीय औद्योगिक संस्थान मास राजस्थान सरकार से सहमत करार कर सड़क सुरा का सुनयोजत ढांचा बनाने के लय से डेटा-आधारत वथा कायम करने म राय सरकार क मदद करेगा। इस सहमत करार पर हाल ही म राजस्थान सरकार के तनध रव जैन, परवहन आयु और आईआईटी मास के तनध संस्थान के प्रोफेसर रव गेट्टू, डीन (औद्योगिक परामश और ायोजत अनुसंधान) ने हतार कए। करार का मुय उेय सड़क सुरा के उपाय को बढ़ाना, सड़क पर घटनात लोग क जान बचाने और राय म घटना के मामल म कमी के बेहतर उपाय करने के लय से सरकार म हर तर पर समता और काय मता बढ़ाना है। और पढ़ खबर शानदार . सामुदायक वाय के म नह ह एट रेबीज इंजेशन शाद के बाद बहन को ससुराल म छोडकर नकला भाई, राते म इंतजार कर रही थी Bhind 3 h छोटे से पांडा ने पूरा कया बेहद टफ चैलज, वीडयो आ वायरल 3 /12 इंडया राय मनोरंजन खेल व शा ऑटोमोबाइल गैजेट बजनेस वाय धम/योतष पकायन वीडयो तवीर शोक सदेश EPAPE हमारी वेबसाइट पर कंटट का योग जारी रखकर आप हमारी गोपनीयता नीत और कूकज नीत से सहमत होते ह। OK 1/4/2021 Govt Of - आईआईटी मास की मदद से राजस्थान सरकार सड़क सुरा की डेटा-आधारित व्यवस्था लागू करार को अहम बताते ए राजस्थान सरकार के परवहन मंत्री ताप सह खचरयावास ने कहा, हमारी सरकार हमेशा पूरे राय म सड़क सुरा के बेहतर उपाय करने को ढ संकप रही है ताक कम-से-कम सड़क घटनाए ह और इनसे मृत्यु के मामल म कमी आए। इस संबंध म हम आईआईटी मास के आरबीजी लैस से करार कर बत खुश ह। इससे सड़क सुरा का तमलनाडु मॉडल लागू करने म मदद मलेगी और हम राजस्थान सरकार के भागीदार और आईआईटी मास के बीच संपक-संवाद क सुवधा बढ़ाने के लए तैयार ह। करार के बारे म आईआईटी मास के डीन (औद्योगिक परामश एवं ायोजत अनुसंधान) प्रो. रव गेट्टू ने बताया, इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मलेगा। आईआईटी मास राजस्थान सरकार के वभन भागीदार क मता का वकास करेगा और उह एक सफल सड़क सुरा कायम क परेखा बनाने और लागू करने म मदद करेगा। इस करार के तहत सड़क सुरा से जुड़े राजस्थान सरकार के वभन वभाग भागीदार हगे जैसे लोक नमाण वभाग (पीडयूडी), भारतीय रीय राजमाग ाधकरण (एनएचएआई), परवहन, शा, शहरी वकास एवं आवास, थानीय व सरकार, पुलस, वाय एवं चकसा सेवा वभाग सहत अय एजसयां, इस पहल को सफल बनाएगे। आईआईटी मास के आरबीजी लैस ारा वकसत डजाइन थकग अपना कर राजस्थान म सड़क घटना म मृत्यु के मामल म कमी करना इसका मकसद है। इस पहल के समवयक प्रो. वकटेश बाला सुमयन, फैंकट इन-चाज, रहैबलटेशन बायोइंजीनयरग प (आरजीबी) लैबरेटरी, इंजीनयरग डजाइन वभाग ने इस करार क बारे म कहा, सड़क हम सभी क साझा संप ह और उन पर लोग क सुरा भी सभी भागीदार क सामूहक जमेदारी है। हालांक इस जमेदारी को लेकर पता नह हो और जमेदारी तय नह क जा सके तो इसम कमी बनी रहेगी। इसलए डेटा के आधार पर ठोस रणनीत का वकास करना सबसे अछा उपाय है। इसके लए डजाइन थकग चाहए यक केवल समय को समझ कर नदान करना पयात नह होगा बक ऐसे बदलाव करने हगे जो थानीय परथतय म थाई ह। प्रो. वकटेश बालासुमयन ने कहा, यह ापक समझौता दोन भागीदार को लाभ देने का करारनामा है। आवयक ओरयंटेशन और शण कायम से राजस्थान राय सरकार के भागीदार क समता और काय मता दोन म उलेखनीय वृ क उमीद है। सड़क सुरा को लेकर एमओआरएच, यानी, 'इंटेडेड रोड एसीडट डेटाबेस' (आईआरएडी) के डेटा (मैनम ओपस) का उपयोग और लाभ लेने के कोण से भी इस करार क एक अनवायता है। राय म 2030 तक सड़क घटना म 50 तशत कमी करने के एसडीजी (सतत वकास के लय) लय ात करने म इसका बत लाभ मलेगा। अंततः सड़क घटना म मृत्यु के मामले शूय करने का रोड मैप तैयार होगा। घटनात के आघात उपचार के लए आईआईटी मास म वकसत संथागत पंजीकरण के साथ डेटा आधारत देखभाल क वथा करना करार का मुय लय है।

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Journalist: NA
Professor: Prof. Ravindra Gettu
Spokesperson Quoted: Mr. Ravi Jain
Headline: Important collaboration

Important collaboration



Indian Institute of Technology (IIT) Madras would collaborate with the government of Rajasthan to implement a structured framework for a data-driven systems approach to road safety. A MoU for this collaboration was signed recently between Rajasthan government represented by Ravi Jain, transport commissioner, and IIT Madras by Prof Ravindra Gettu, Dean (industrial consultancy and sponsored research), IIT Madras.

The key objective of this collaboration is to enhance road safety measures, increase capacity and capability across the board in the government to both increase the survivability of road accident victims and reduce occurrence rate in the state. This initiative using a design thinking approach developed by RBG Labs, IIT Madras will be implemented by the stakeholder departments of Rajasthan involved in road safety including PWD, police, health and medical services, transport, education, urban development and housing local self government and national highways (NHAI).

Date: 28th December 2020

Media: Data Quest India

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Ravi Jain

Headline: IIT Madras to Help Rajasthan Government Implement Data-driven Systems Approach to Road Safety: Here's How

URL: <https://www.dqindia.com/iit-madras-help-rajasthan-government-implement-data-driven-systems-approach-road-safety-heres/>

IIT Madras recently announced a partnership with the Government of Rajasthan to implement a structured framework for a data-driven systems approach to road safety. A Memorandum of Understanding for this collaboration was signed recently between the Rajasthan Government represented by Ravi Jain, transport commissioner, and the Indian Institute of Technology Madras by Prof Ravindra Gettu, Dean (industrial consultancy and sponsored research).

The key objective of this collaboration is to enhance road safety measures, increase capacity and capability across the board in the Government to both increase the survivability of road accident victims and reduce occurrence rate in the State, said a statement from the institute.

Key outcomes targeted from the IIT Madras and Rajasthan Government collaboration

- Building capability of the core road safety team in Rajasthan.
- Help build strategies and implementation work packages for all stakeholder departments to realize safe roads in the State of Rajasthan.
- Develop a road map towards reaching the SDG goal of 50% reduction in road fatalities by 2030 and eventually to zero deaths from road traffic accidents.
- Help build data-driven trauma care with an institutional registry developed by IIT Madras.

Prof Ravindra Gettu said, "This MoU will foster a collaborative partnership wherein IIT Madras will be building the capability of various stakeholders in Government of Rajasthan and help them design and implement a successful road safety program."

This collaboration will involve various stakeholder Departments in the Government of Rajasthan involved in road safety including the Public Works Department (PWD), National Highways Authority of India (NHAI), police, health and medical services, among other agencies.

Prof Venkatesh Balasubramanian, faculty in-charge, rehabilitation bioengineering group (RBG) labs, department of engineering design, IIT Madras, who is coordinating this initiative, said: "Roads are shared asset and the safety on them is a collective responsibility of all the stakeholders. However, without having an overt and specific responsibility, it can be easily lost between the gaps. Therefore, it is quintessential to develop a good strategy based on data. It is, therefore, necessary to have a design thinking approach to solve the problem by not just identifying the issues but implementing changes that are sustainable in the local conditions."

Some of the other key projects on road safety taken by RBG Labs at IIT Madras

- Working with National Health Mission Tamil Nadu, helped build a unique Trauma Care program, TAEI (Tamil Nadu Accident and Emergency care Initiative). RBG Labs had advised in designing and implementing this unique trauma care program that uses principles of lean manufacturing.

- Working with the Tamil Nadu Police, helped improve the data collection process of road traffic accidents called RADMS (Road Accident Database Management System). The resultant application TARA (Traffic Accident Reporting App) was geared to have an integrated approach to accident data collection.
- MoRTH adopted this integrated approach for data collection where in-depth data can be simultaneously collected from various domain specialist agencies called iRAD (Integrated Road Accident Database). RBG Labs, IIT Madras and NICSI are currently in the process of developing and implementing nationally.
- Based on a technology transfer from RBG Labs, IIT Madras to M/s Harita Seating Systems Limited, an IoT based ubiquitous monitoring of driver presence, performance and behaviour monitoring system called the Harita Intellisera was launched in 2017 and won the auto-component of the year in 2018.

The Rehabilitation Bioengineering Group is an interdisciplinary group with competencies in Human Factors and Transportation, Innovation and Lean Operations, Medical Devices and Implants.

Date: 24th December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Pradeep Thalappil

Alumni: Mr. Prem Watsa

Spokesperson: Mr. Venu Srinivasan

Headline: Despite COVID-19 cluster, many achievements at IIT-M in 2020

URL: <https://www.thehindu.com/news/cities/chennai/despite-covid-19-cluster-many-achievements-at-iit-m-in-2020/article33411267.ece>

The Institute's solutions to challenges thrown up by COVID-19 won it the top 'innovative education institute in the country' award

It was a year of achievements for the Indian Institute of Technology Madras, which introduced some important changes in the field of higher education. Institute director Bhaskar Ramamurthi said apart from teaching, research, continuing with industry engagement and start-ups, the institute had discovered "hitherto hidden reserves in ourselves which will enable us to move forward even faster and better once the pandemic is behind us."

The COVID-19 pandemic led to the institute holding its convocation using mixed reality.

The institute launched a novel B.Sc degree in programming and data science, open to all those who had completed class 12, removing barriers to quality education such as academic background and geographic location.

'Innovative solutions to pandemic challenges'

The Institute's solutions to challenges thrown up by COVID-19 won it the top 'innovative education institute' in the country award.

The Institute's start-ups came up with modular housing, a portable hospital unit and a smart tracker that when worn on the wrist, could detect COVID-19 symptoms. An Institute-supported start up developed personal protective equipment such as face shields using 3-D printers.

A team from the Institute's electrical engineering department came up with a solution to remotely monitor patients. A team from the applied mechanics department developed a point-of-care COVID-19 antigen test that can provide results in five minutes using saliva. The project won an award from the US-India Science and Technology Endowment Fund.

The engineering design department developed touchless sanitiser dispensers deployable in vehicles.

Recognition and awards

One of the professors, Pradeep Thalappil and alumna Prem Watsa, founder-chairman of Fairfax Financial Holdings, was awarded the Padma Shri while industrialist, Venu Srinivasan, chairman of TVS group and honorary professor of practice at the Institute, was awarded the Padma Bhushan.

Two professors from the institute were among the 21 chosen for the Swarnajayanti fellowship across the country.

At the end of the year, [the institute became a cluster for COVID-19 cases](#), but it was soon contained as a joint effort between the institution, Chennai Corporation and the Health Department.

Date: 24th December 2020

Media: ABP Education

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam, Prof. V. V. Raghavendra Sai, Dr. Kavitha Arunachalam, Prof. Pradeep Thalappil, Prof. Prabhu Rajagopal, Dr. P. Anbarasan

Alumni: Mr. Prem Watsa

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Headline: Despite Covid-19, IIT Madras displayed significant progress in 2020

URL: <https://www.abpeducation.com/news/despise-covid-19-iimt-madras-displayed-significant-progress-in-2020/cid/1205916>

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Date: 24th December 2020

Media: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam, Prof. V. V. Raghavendra Sai, Dr. Kavitha Arunachalam, Prof. Pradeep Thalappil, Prof. Prabhu Rajagopal, Dr. P. Anbarasan

Alumni: Mr. Prem Watsa

Spokesperson: Mr. Venu Srinivasan

Headline: IIT Madras made significant progress in 2020 in several areas despite COVID-19 challenge

URL: <https://skilloutlook.com/education/iit-madras-made-significant-progress-in-2020-in-several-areas-despite-covid-19-challenge>

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Date: 25th December 2020

Media: ETV Bharat

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam, Prof. V. V. Raghavendra Sai, Dr. Kavitha Arunachalam, Prof. Pradeep Thalappil, Prof. Prabhu Rajagopal, Dr. P. Anbarasan

Alumni: Mr. Prem Watsa

Spokesperson: Mr. Venu Srinivasan

Headline: IIT-M made significant progress in 2020 despite pandemic

URL: <https://react.etvbharat.com/english/national/state/tamil-nadu/iit-madras-made-significant-progress-in-2020-in-several-areas-despite-covid-19-challenge/na20201225130438378>

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Date: 25th December 2020

Media: The Indian Education Diary

Edition: Online

Journalist: S. Vishnu Sharma

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam, Prof. V. V. Raghavendra Sai, Dr. Kavitha Arunachalam, Prof. Pradeep Thalappil, Prof. Prabhu Rajagopal, Dr. P. Anbarasan

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Headline: IIT Madras made significant progress in 2020 in several areas despite COVID-19 challenge

URL: <https://indiaeducationdiary.in/iit-madras-made-significant-progress-in-2020-in-several-areas-despite-covid-19-challenge/>

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Date: 26th December 2020

Media: The Times of India (Clip attached)

Edition: Chennai

Page No: 5

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: 'Covid helped IIT-M find resilience'

'Covid helped IIT-M find resilience'

Chennai: For the first time in its history, Indian Institute of Technology, Madras, conducted its convocation using a mixed-reality mode — a combination of physical and virtual worlds.

The institute also launched the world's first-ever BSc in Programming and Data Science which is being offered completely online and is open to all candidates having completed Standard XII.

Professor Bhaskar Ramamurthi, director of IIT-M, said, "In the midst of the challenges posed by Covid-19, the faculty, students and staff at IIT Madras discovered their inherent resilience. Looking back, we can say we have not just kept the needle moving on all fronts but actually discovered hidden reserves in ourselves." TNN

Date: 29th December 2020

Media: The Telegraph (Clip attached)

Edition: Kolkata

Page No: 11

Journalist: NA

Professor: Prof. Mohanasankar Sivaprakasam, Prof. V. V. Raghavendra Sai, Dr. Kavitha Arunachalam

Headline: IIT Madras Rises to The Challenge

CAMPUS BUZZ

IIT MADRAS RISES TO THE CHALLENGE

The Indian Institute of Technology, Madras, has risen to the challenges thrown up by the year 2020. For the first time, the institute conducted its convocation using a “mixed-reality”

lems across the board.

Modulus Housing Start-up has developed a portable hospital unit that can be installed in a few hours anywhere in the country. Called MediCAB, these microstructures have already been de-

healthcare professionals.

In addition, a team led by Mohanasankar Sivaprakasam of the department of electrical engineering partnered with Helyxon, a healthcare start-up, to develop a device that continuously monitors four critical parameters — temperature, oxygen saturation, respiratory rate and heart rate — remotely. V.V. Raghavendra Sai from the department of applied mechanics collaborated with the US-based RICOVR Healthcare Inc. to develop a point-of-care



INNOVATIONS: A portable Covid treatment centre; (right) a remote patient-monitoring device

mode, a combination of physical and virtual worlds. It also launched a bachelor's degree in programming and data science online, which is open to all candidates having completed Class XII.

The start-ups incubated by the institute have, meanwhile, gone all out. From infrastructure and diagnostics to PPEs — they came up with solutions for prob-

ployed successfully in Wayanad district of Kerala. Muse Wearables developed a smart wearable tracker that could detect Covid-19 Symptoms. IIT Madras-supported start-ups Fabheads Automation and Axis Defence Labs developed PPEs such as 3D-printed face shields from commonly available stationery material to protect frontline

develop a point-of-care Covid-19 antigen test that uses saliva and can provide



results in five minutes. Kavitha Arunachalam of the department of engineering design developed a touchless sanitiser dispenser that can be deployed in running vehicles such as cars, vans, buses and even autorickshaws.

IIT Madras is an 'Industry-Friendly' Institute

Date: 1st December 2020

Media: Yahoo

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson Quoted: Dr. N Saravanan

Headline: Ashok Leyland and Hitachi ABB Power Grids Team up with IIT Madras for e-Bus Pilot Run

URL: <https://in.finance.yahoo.com/news/ashok-leyland-hitachi-abb-power-051020947.html>

Hitachi ABB Power Grids in India has announced the signing of a Memorandum of Understanding with Ashok Leyland and the Indian Institute of Technology Madras (IITM) for an e-mobility pilot.

The triumvirate will run an electric bus (e-bus) pilot to support sustainable in-campus commuting by IITM's students and staff. The e-bus, which will incorporate Hitachi ABB Power Grids' flash-charging technology – Grid-eMotion™ Flash, will be provided by India's largest bus manufacturer, Ashok Leyland. IITM will host the infrastructure required to operate the flash-charging system for the e-bus.

"We need to have all hands on deck – industry, academia and policymakers to develop a strong and reliable local ecosystem to support the Indian electric vehicle (EV) revolution," said N Venu, Managing Director, Hitachi ABB Power Grids in India.

N Venu continued, "With sound policy levers in place, this partnership – engaging some of the finest industry and academic minds in India – creates a truly sustainable framework for e-mobility. We are delighted to be partnering with Ashok Leyland and IITM to provide a zero-emissions mass public transportation bus system through our award-winning technology, localized for the Indian market."

"As pioneers in the bus segment, we are proud to partner on yet another innovative solution in the e-bus segment. Combination of our robust buses with electric propulsion technology and flash charging from Hitachi ABB Power Grids, can be the answer to the need for sustainable public transportation across the country," said Dr N Saravanan, Chief Technology Officer, Ashok Leyland. "This latest alliance will further help us stay at the forefront of embedding innovative and indigenous technologies to nurture the smart e-mobility ecosystem in India."

"The development of India's e-mobility charging infrastructure and increased deployment of e-buses is key to meeting the demand for sustainable transport solutions across India's rural and urban areas," said Prof. Bhaskar Ramamurthi, Director, IIT Madras. "We hope to study and understand how the right technology can enable an efficient transport system without damaging the environment. We are delighted to have partnered with the best in the industry for this endeavour," Prof. Bhaskar Ramamurthi added.

Date: 1st December 2020

Media: MSN

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

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URL: <https://www.msn.com/en-in/autos/news/ashok-leyland-and-hitachi-abb-power-grids-team-up-with-iit-madras-for-e-bus-pilot-run/ar-BB1btBei>

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Date: 1st December 2020

Media: Business Standard

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: ABB Power zooms 33% in 3 days on tie-up with Ashok Leyland for e-bus pilot

URL: https://www.business-standard.com/article/markets/abb-power-zooms-33-in-3-days-on-tie-up-with-ashok-leyland-in-e-bus-pilot-120120100639_1.html

Shares of ABB Power Products and Systems India rose 13 per cent to Rs 1,296, also its new high on the BSE on Tuesday.

In the past three days, the stock zoomed 33 per cent after Hitachi ABB Power Grids in India, listed on the stock exchanges as 'ABB Power Products and Systems India Ltd.', has signed a Memorandum of Understanding (MoU) with Ashok Leyland and the Indian Institute of Technology Madras (IITM) for an e-mobility pilot. The triumvirate will run an electric bus (e-bus) pilot for in-campus commuting by IITM's students and staff.

"The development of India's e-mobility charging infrastructure and increased deployment of e-buses is key to meeting the demand for sustainable transport solutions across India's rural and urban areas," said Prof. Bhaskar Ramamurthi, Director, IIT Madras.

Smart e-mobility is at a nascent stage in India. While India's government is striving to scale up electrical vehicle (EV) adoption to 30 percent by 2030, the mass public transport segment is largely untouched.

Hitachi ABB Power Grids' innovative flash-charging system quickly tops up the battery while passengers get on and off the bus. On arterial roads, an e-bus with this solution can reduce the need to take the vehicle out of service for recharging every few hours or having a replacement bus ready. This helps minimize the size of the fleet while increasing passenger carrying capacity, the company said.

Meanwhile, in the July-September quarter (Q3CY20), the company said the orders was up 56.9 per cent quarter-on-quarter (QoQ) at Rs 890 crore, despite restricted business activity. As of September 30, 2020, order backlog was Rs 5,175 crore, providing visibility of future revenue. The company further said the operational EBITA (earnings before interest, taxes, depreciation, and amortization) margin returns to pre-pandemic range on improved capacity utilization and product mix.

At 02:23 pm, the stock was up 12 per cent at Rs 1,280 on the BSE, as compared to 1.2 per cent gain in the S&P BSE Sensex. A combined around 160,000 equity shares had changed hands on the counter on the NSE and BSE.

Date: 1st December 2020

Media: News 18

Edition: Online

Journalist: NA

Spokesperson Quoted: Dr. N Saravanan

Headline: IIT Madras is Planning to run E-buses on Campus to Facilitate Pollution-free Transportation

URL: <https://www.news18.com/news/buzz/iit-madras-to-run-pilot-project-of-e-buses-on-campus-to-facilitate-pollution-free-transportation-3133058.html>

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Date: 1st December 2020

Media: Electric Vehicle

Edition: Online

Journalist: K. Nandini Tornekar

Professor: Prof. Bhaskar Ramamurthi

Spokesperson Quoted: Dr. N Saravanan

Headline: Hitachi ABB Power Grids & Ashok Leyland partners for an e-bus pilot project

URL: <https://electricvehicles.in/hitachi-abb-power-grids-ashok-leyland-partners-for-an-e-bus-pilot-project/>

Shares of ABB Power Products and Systems India rose 13 per cent to Rs 1,296, also its new high on the BSE on Tuesday.

In the past three days, the stock zoomed 33 per cent after Hitachi ABB Power Grids in India, listed on the stock exchanges as 'ABB Power Products and Systems India Ltd.', has signed a Memorandum of Understanding (MoU) with Ashok Leyland and the Indian Institute of Technology Madras (IITM) for an e-mobility pilot. The triumvirate will run an electric bus (e-bus) pilot for in-campus commuting by IITM's students and staff.

"The development of India's e-mobility charging infrastructure and increased deployment of e-buses is key to meeting the demand for sustainable transport solutions across India's rural and urban areas," said Prof. Bhaskar Ramamurthi, Director, IIT Madras.

Smart e-mobility is at a nascent stage in India. While India's government is striving to scale up electrical vehicle (EV) adoption to 30 percent by 2030, the mass public transport segment is largely untouched.

Hitachi ABB Power Grids' innovative flash-charging system quickly tops up the battery while passengers get on and off the bus. On arterial roads, an e-bus with this solution can reduce the need to take the vehicle out of service for recharging every few hours or having a replacement bus ready. This helps minimize the size of the fleet while increasing passenger carrying capacity, the company said.

Meanwhile, in the July-September quarter (Q3CY20), the company said the orders was up 56.9 per cent quarter-on-quarter (QoQ) at Rs 890 crore, despite restricted business activity. As of September 30, 2020, order backlog was Rs 5,175 crore, providing visibility of future revenue. The company further said the operational EBITA (earnings before interest, taxes, depreciation, and amortization) margin returns to pre-pandemic range on improved capacity utilization and product mix.

At 02:23 pm, the stock was up 12 per cent at Rs 1,280 on the BSE, as compared to 1.2 per cent gain in the S&P BSE Sensex. A combined around 160,000 equity shares had changed hands on the counter on the NSE and BSE.

Date: 5th December 2020
Media: Transtopics (clip attached)
Edition: Magazine
Page No: 33,34
Journalist: NA
Professor: Prof. Bhaskar Ramamurthi
Spokesperson Quoted: N. Venu, Dr. N Saravanan
Headline: Hitachi ABB Power Grids teams up with Ashok Leyland in e-bus pilot at IIT Madras campus

Hitachi ABB Power Grids teams up with Ashok Leyland in e-bus pilot at IIT Madras campus

The tripartite MoU is for an e-mobility social innovation pilot and accelerates India's journey toward a carbon-neutral energy future and sustainable society.



Hitachi ABB Power Grids in India (listed on the stock exchanges as 'ABB Power Products and Systems India Ltd.')

has announced the signing of a Memorandum of Understanding with Ashok Leyland and the Indian Institute of Technology Madras (IITM) for an e-mobility pilot.

The triumvirate will run an electric bus (e-bus) pilot to support sustainable in-campus commuting by IITM's students and staff. The e-bus, which will incorporate Hitachi ABB Power Grids' innovative flash-charging technology - Grid-eMotion™ Flash, will be provided by India's largest bus manufacturer, Ashok Leyland. IITM will host the infrastructure required to operate the flash-charging system for

the e-bus.

"We need to have all hands on deck - industry, academia and policymakers to develop a strong and reliable local ecosystem to support the Indian electric vehicle (EV) revolution," said N Venu, Managing Director, Hitachi ABB Power Grids in India.

N Venu continued, "With sound policy levers in place, this partnership - engaging some of the finest industry and academic minds in India - creates a truly sustainable framework for e-mobility. We are delighted to be partnering with Ashok Leyland and IITM to provide a zero-emissions mass public transportation bus system through our award-winning technology,

localized for the Indian market.”

“As pioneers in the bus segment, we are proud to partner on yet another innovative solution in the e-bus segment. Combination of our robust buses with electric propulsion technology and flash charging from Hitachi ABB Power Grids, can be the answer to the need for sustainable public transportation across the country,” said Dr. N Saravanan, Chief Technology Officer, Ashok Leyland. “This latest alliance will further help us stay at the forefront of embedding innovative and indigenous technologies to nurture the smart e-mobility ecosystem in India.”

“The development of India's e-mobility charging infrastructure and increased deployment of e-buses is key to meeting the demand for sustainable transport solutions across India's rural and urban areas,” said Prof. Bhaskar Ramamurthi, Director, IIT Madras. “We hope to

study and understand how the right technology can enable an efficient transport system without damaging the environment. We are delighted to have partnered with the best in the industry for this endeavor,” Prof. Bhaskar Ramamurthi added.

Smart e-mobility is at a nascent stage in India. While India's government is striving to scale up EV adoption to 30 percent by 2030, the mass public transport segment is largely untouched. For bus operators, the switch to electric has previously presented challenges. That is because with battery-operated buses it is difficult to maximize passenger load carrying capacity and running time while making the whole operation economically viable. An e-bus with flash-charging technology can solve that problem while improving the quality of life through reducing pollution in densely populated urban areas.

Date: 7th December 2020

Media: Outlook

Edition: Online

Journalist: NA

Headline: Ports Ministry issues draft guidelines on floating infra for public consultation

URL: <https://www.outlookindia.com/newscroll/ports-ministry-issues-draft-guidelines-on-floating-infra-for-public-consultation/1988951>

The ministry is planning to promote floating jetties for various usages all along the Indian coastline. "Ministry of Ports, Shipping and Waterways has compiled the draft guidelines for technical specifications of floating structures, with a vision to set up and deploy world-class floating infrastructure all along the coastline and issued the same for public consultation," it said in a statement.

Floating structure due to its inherent advantages is an attractive solution and being encouraged by the Ministry of Ports, it added.

Underlining the benefits of floating jetties over the conventional quay and fixed concrete structures, the ministry said it is a cost-effective solution and much cheaper than conventional structures price and setting up these structures is much faster as compared to conventional jetties.

Usually, floating structures can be built in 6-8 months as compared to 24 months for conventional structures.

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"It is easily transportable in case of reconfiguring of the port. It provides constant freeboard between jetties and boats. Deployment of floating jetties, especially in locations having a large tidal range, where conventional quay poses problems during low tide periods, is very convenient," it added.

Floating Jetties, at such locations, provide constant freeboard, eases embarkation of ship's stores and straightforward unloading of the fishermen's catch. It consequently leads to increased productivity as well as safety of the fishermen in the long run, it said.

The ministry has successfully implemented a few pilot projects in the recent past by following the international guiding principles.

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More than 80 similar projects of the ministry are under planning stage all along the coastline for overall development and upliftment of the coastal community, the statement said.

A benchmark and standard specifications at par with international standards are being evolved by the ministry so that technical specifications of floating structures are frozen after due deliberations with various stakeholders, it noted.

"For this, Ministry has entrusted IIT Chennai to work out the technical specifications of sustainable floating structures like floating jetties, water-aerodromes, floating marinas, fish landing facilities etc. so that precise and stringent technical specifications are established," it added.

The ministry said it has sought comments from stakeholders and others on draft guidelines along with a proposed specification/schedule of technical requirements (SOTR). PTI NAM BAL

Date: 7th December 2020

Media: UNI

Edition: Online

Journalist: NA

Headline: Shipping Ministry issues draft guidelines for floating structures for public consultation

URL: <http://www.uniindia.com/~shipping-ministry-issues-draft-guidelines-for-floating-structures-for-public-consultation/India/news/2256419.html>

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Date: 7th December 2020

Media: DT Next

Edition: Online

Journalist: NA

Headline: Govt issues guidelines for floating jetties along coastline

URL: <https://www.dtnext.in/News/Business/2020/12/07194546/1265627/Govt-issues-guidelines-for-floating-jetties-along-.vpf>

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Date: 7th December 2020

Media: BW Business World

Edition: Online

Journalist: NA

Headline: Ministry Of Shipping Issues Draft Guidelines For Floating Structures For Public Consultation

URL: <http://www.businessworld.in/article/Ministry-of-Shipping-issues-draft-guidelines-for-floating-structures-for-public-consultation/08-12-2020-350973/>

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Date: 7th December 2020

Media: ANI

Edition: Online

Journalist: NA

Headline: Ministry of Shipping issues draft guidelines for floating structures for public consultation

URL: <https://www.aninews.in/news/national/general-news/ministry-of-shipping-issues-draft-guidelines-for-floating-structures-for-public-consultation20201207191733/>

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Date: 7th December 2020

Media: Latestly

Edition: Online

Journalist: NA

Headline: Ministry of Shipping Issues Draft Guidelines for Floating Structures for Public Consultation

URL: <https://www.latestly.com/agency-news/india-news-ministry-of-shipping-issues-draft-guidelines-for-floating-structures-for-public-consultation-2186259.html>

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Date: 7th December 2020

Media: Ommcom News

Edition: Online

Journalist: NA

Headline: Govt Issues Guidelines For Floating Jetties Along Coastline

URL: <https://ommcomnews.com/uncategorized/govt-issues-guidelines-for-floating-jetties-along-coastline>

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Date: 7th December 2020
Media: Infrastructure Today
Edition: Online
Journalist: NA

Headline: Ministry of Shipping Issues Draft Guidelines for Floating Structures for Public Consultation

URL: <https://infrastructuretoday.co.in/web-exclusive/ministry-of-ports--shipping-and-waterways-releases-draft-technical-specifications-for-floating-structures/118070>

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Date: 7th December 2020

Media: Punjab News Express

Edition: Online

Journalist: NA

Headline: Govt issues guidelines for floating jetties along coastline

URL: <https://www.punjabnewsexpress.com/business/news/govt-issues-guidelines-for-floating-jetties-along-coastline-126617>

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Date: 7th December 2020

Media: Investment Guru

Edition: Online

Journalist: NA

Headline: Government issues guidelines for floating jetties along coastline

URL: <https://investmentguruindia.com/IndustryNews/Government-issues-guidelines-for-floating-jetties-along-coastline>

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Date: 7th December 2020

Media: Jharkhand Times

Edition: Online

Journalist: NA

Headline: Ministry of Shipping issues draft guidelines for floating structures for public consultation

URL: <https://www.jharkhandtimes.in/news/ministry-of-shipping-issues-draft-guidelines-for-floating-structures-for-public-consultation20201207191725/>

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"It is easily transportable in case of reconfiguring of the port. It provides constant freeboard between jetties and boats. Deployment of floating jetties, especially in locations having a large tidal range, where conventional quay poses problems during low tide periods, is very convenient," it added.

Floating Jetties, at such locations, provide constant freeboard, eases embarkation of ship's stores and straightforward unloading of the fishermen's catch. It consequently leads to increased productivity as well as safety of the fishermen in the long run, it said.

The ministry has successfully implemented a few pilot projects in the recent past by following the international guiding principles.

These include setting up of passenger floating jetties in Goa, water-aerodromes at Sabarmati River and at Sardar Sarovar Dam (for the seaplane services).

More than 80 similar projects of the ministry are under planning stage all along the coastline for overall development and upliftment of the coastal community, the statement said.

A benchmark and standard specifications at par with international standards are being evolved by the ministry so that technical specifications of floating structures are frozen after due deliberations with various stakeholders, it noted.

"For this, Ministry has entrusted IIT Chennai to work out the technical specifications of sustainable floating structures like floating jetties, water-aerodromes, floating marinas, fish landing facilities etc. so that precise and stringent technical specifications are established," it added.

The ministry said it has sought comments from stakeholders and others on draft guidelines along with a proposed specification/schedule of technical requirements (SOTR). PTI NAM BAL

Date: 7th December 2020

Media: Northeast Today

Edition: Online

Journalist: NA

Headline: Ministry of Ports, Shipping and Waterways issues draft guidelines of Technical Specifications

URL: <https://www.northeasttoday.in/2020/12/07/ministry-of-ports-shipping-and-waterways-issues-draft-guidelines-of-technical-specifications/>

The ministry is planning to promote floating jetties for various usages all along the Indian coastline. "Ministry of Ports, Shipping and Waterways has compiled the draft guidelines for technical specifications of floating structures, with a vision to set up and deploy world-class floating infrastructure all along the coastline and issued the same for public consultation," it said in a statement.

Floating structure due to its inherent advantages is an attractive solution and being encouraged by the Ministry of Ports, it added.

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The ministry said it has sought comments from stakeholders and others on draft guidelines along with a proposed specification/schedule of technical requirements (SOTR). PTI NAM BAL

Date: 7th December 2020

Media: Indiaties

Edition: Online

Journalist: NA

Headline: Shipping Ministry issues draft guidelines for Technical Specifications

URL: <https://www.indiaties.in/9887/shipping-ministry-issues-draft-guidelines-for-technical-specifications/>

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The ministry said it has sought comments from stakeholders and others on draft guidelines along with a proposed specification/schedule of technical requirements (SOTR). PTI NAM BAL

Date: 7th December 2020

Media: Port Wing

Edition: Online

Journalist: NA

Headline: Ministry of Ports, Shipping and Waterways issues draft guidelines of Technical Specifications

URL: <http://portwings.in/ministry-of-ports-shipping-and-waterways-plans-world-class-floating-infrastructure-along-coastline/>

The ministry is planning to promote floating jetties for various usages all along the Indian coastline. "Ministry of Ports, Shipping and Waterways has compiled the draft guidelines for technical specifications of floating structures, with a vision to set up and deploy world-class floating infrastructure all along the coastline and issued the same for public consultation," it said in a statement.

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The ministry said it has sought comments from stakeholders and others on draft guidelines along with a proposed specification/schedule of technical requirements (SOTR). PTI NAM BAL

Date: 7th December 2020

Media: New Kerala

Edition: Online

Journalist: NA

Headline: Govt issues guidelines for floating jetties along coastline

URL: <https://www.newkerala.com/news/2020/212047.htm>

The ministry is planning to promote floating jetties for various usages all along the Indian coastline. "Ministry of Ports, Shipping and Waterways has compiled the draft guidelines for technical specifications of floating structures, with a vision to set up and deploy world-class floating infrastructure all along the coastline and issued the same for public consultation," it said in a statement.

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Date: 7th December 2020

Media: Punjab Live

Edition: Online

Journalist: NA

Headline: Ministry of Shipping issues draft guidelines for floating structures for public consultation

URL: <https://www.punjablive.news/news/ministry-of-shipping-issues-draft-guidelines-for-floating-structures-for-public-consultation20201207191725/>

The ministry is planning to promote floating jetties for various usages all along the Indian coastline. "Ministry of Ports, Shipping and Waterways has compiled the draft guidelines for technical specifications of floating structures, with a vision to set up and deploy world-class floating infrastructure all along the coastline and issued the same for public consultation," it said in a statement.

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The ministry said it has sought comments from stakeholders and others on draft guidelines along with a proposed specification/schedule of technical requirements (SOTR). PTI NAM BAL

Date: 7th December 2020

Media: West Bengal Khabar

Edition: Online

Journalist: NA

Headline: Ministry of Shipping issues draft guidelines for floating structures for public consultation

URL: <https://www.westbengalkhabar.in/news/ministry-of-shipping-issues-draft-guidelines-for-floating-structures-for-public-consultation20201207191725/>

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The ministry said it has sought comments from stakeholders and others on draft guidelines along with a proposed specification/schedule of technical requirements (SOTR). PTI NAM BAL

Date: 7th December 2020

Media: Web India 123

Edition: Online

Journalist: NA

Headline: Ministry of Shipping issues draft guidelines for floating structures for public consultation

URL: <https://news.webindia123.com/news/Articles/India/20201207/3670421.html>

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Date: 7th December 2020
Media: Philadelphia Indian
Edition: Online
Journalist: NA

Headline: Govt issues guidelines for floating jetties along coastline

URL: <https://www.philadelphiaindian.com/desi/newsdetail.asp?id=617122>

The ministry is planning to promote floating jetties for various usages all along the Indian coastline. "Ministry of Ports, Shipping and Waterways has compiled the draft guidelines for technical specifications of floating structures, with a vision to set up and deploy world-class floating infrastructure all along the coastline and issued the same for public consultation," it said in a statement.

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Date: 7th December 2020

Media: Portland India

Edition: Online

Journalist: NA

Headline: Govt issues guidelines for floating jetties along coastline

URL: <https://www.portlandindian.com/desi/newsdetail.asp?id=617122>

The ministry is planning to promote floating jetties for various usages all along the Indian coastline. "Ministry of Ports, Shipping and Waterways has compiled the draft guidelines for technical specifications of floating structures, with a vision to set up and deploy world-class floating infrastructure all along the coastline and issued the same for public consultation," it said in a statement.

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Date: 7th December 2020

Media: Miami Indian

Edition: Online

Journalist: NA

Headline: Govt issues guidelines for floating jetties along coastline

URL: <https://www.miamiindian.net/desi/newsdetail.asp?id=617122>

The ministry is planning to promote floating jetties for various usages all along the Indian coastline. "Ministry of Ports, Shipping and Waterways has compiled the draft guidelines for technical specifications of floating structures, with a vision to set up and deploy world-class floating infrastructure all along the coastline and issued the same for public consultation," it said in a statement.

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Date: 7th December 2020

Media: TnIndian

Edition: Online

Journalist: NA

Headline: Govt issues guidelines for floating jetties along coastline

URL: <https://www.tnindian.com/desi/newsdetail.asp?id=617122>

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Date: 7th December 2020

Media: The News Strike

Edition: Online

Journalist: NA

Headline: Ministry of Ports, Shipping and Waterways issues draft guidelines of Technical Specifications

URL: <https://thenewsstrike.com/ministry-intends-to-promote-floating-jetties-for-various-usages-all-along-the-indian-coastline/>

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Date: 10th December 2020

Media: Hindustan Times

Edition: Online

Journalist: Nakhilesh Nagari

Professor: Prof. Bhaskar Ramamurthi

Spokesperson Quoted: Mr. Azim Premji

Headline: IIT Madras, Wipro GE Healthcare joins hands to foster industry-academia collaboration

URL: <https://www.hindustantimes.com/education/iit-madras-wipro-ge-healthcare-joins-hands-to-foster-industry-academia-collaboration/story-kVdBvSx8eyKeQhANqymatJ.html>

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Date: 10th December 2020
Media: The Singapore Times
Edition: Online
Journalist: NA

Professor: Prof. Bhaskar Ramamurthi
Spokesperson Quoted: Mr. Azim Premji

Headline: IIT Madras and Wipro GE Healthcare join forces to foster industry-university collaboration

URL: <https://www.thesingaporetime.com/iit-madras-and-wipro-ge-healthcare-join-forces-to-foster-industry-university-collaboration/>

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Date: 10th December 2020

Media: The Economic Times- Health World

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson Quoted: Mr. Azim Premji

Headline: Wipro GE Healthcare joins hands with IIT Madras to foster industry-academia collaboration

URL: <https://health.economictimes.indiatimes.com/news/education/wiproge-healthcare-joins-hands-with-iit-madras-to-foster-industry-academia-collaboration/79660056>

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Date: 10th December 2020

Media: Times Now News

Edition: Online

Journalist: Papri Chanda

Professor: Prof. Bhaskar Ramamurthi

Headline: IIT Madras collaborates with Wipro to increase MS research scholar opportunities

URL: <https://www.timesnownews.com/education/article/iit-madras-collaborates-with-wipro-to-increase-ms-research-scholar-opportunities/693014>

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Date: 10th December 2020

Media: NDTV- Education

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson Quoted: Mr. Azim Premji

Headline: IIT Madras, Wipro GE Healthcare Tie Up To Foster Industry-Academia Collaboration

URL: <https://www.ndtv.com/education/wipro-ge-healthcare-joins-hands-iit-madras-foster-industry-academia-collaboration>

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Date: 10th December 2020

Media: The Economic Times- Industry

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson Quoted: Mr. Azim Premji

Headline: Wipro GE Healthcare joins hands with IIT Madras to foster industry-academia collaboration

URL: https://economictimes.indiatimes.com/industry/services/education/wiproge-healthcare-joins-hands-with-iit-madras-to-foster-industry-academia-collaboration/articleshow/79658697.cms?utm_source=Google_Newsstand&utm_campaign=RSS_Feed&utm_medium=Referral

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Date: 10th December 2020

Media: UNI

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: Wipro GE Healthcare join hands with IIT Madras

URL: <http://www.uniindia.com/~wipro-ge-healthcare-join-hands-with-iit-madras/Business%20Economy/news/2259554.html>

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Date: 10th December 2020

Media: Outlook

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson Quoted: Mr. Azim Premji

Headline: Wipro GE Healthcare joins hands with IIT Madras to foster industry-academia collaboration

URL: <https://www.outlookindia.com/newscroll/wipro-ge-healthcare-joins-hands-with-iit-madras-to-foster-industryacademia-collaboration/1990633>

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Date: 10th December 2020

Media: India Education Diary

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: Wipro GE Healthcare join hands with IIT Madras to foster Industry-Academia Collaboration

URL: <https://indiaeducationdiary.in/wipro-ge-healthcare-join-hands-with-iit-madras-to-foster-industry-academia-collaboration/>

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Date: 10th December 2020

Media: India Med Today

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: Wipro GE Healthcare join hands with IIT Madras

URL: <https://indiamedtoday.com/wipro-ge-healthcare-join-hands-with-iit-madras/>

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Date: 10th December 2020

Media: BW healthcare

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: Wipro GE Healthcare join hands with IIT Madras to foster Industry-Academia Collaboration

URL: <http://bwhealthcareworld.businessworld.in/article/Wipro-GE-Healthcare-join-hands-with-IIT-Madras-to-foster-Industry-Academia-Collaboration-/10-12-2020-352068/>

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Date: 10th December 2020

Media: ABP Education

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: IIT Madras join hands with Wipro GE Healthcare to foster industry-academia collaboration

URL: <https://www.abpeducation.com/news/iit-madras-join-hands-with-wipro-ge-healthcare-to-foster-industry-academia-collaboration/cid/1205659>

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Date: 11th December 2020

Media: Money Control

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson: Mr. Azim Premji

Headline: Wipro GE Healthcare joins hands with IIT Madras to foster industry-academia collaboration

URL: <https://www.moneycontrol.com/news/business/wipro-ge-healthcare-joins-hands-with-iit-madras-to-foster-industry-academia-collaboration-6212701.html>

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Date: 10th December 2020

Media: Devdiscourse

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson: Mr. Azim Premji

Headline: Wipro GE Healthcare joins hands with IIT Madras to foster industry-academia collaboration

URL: <https://www.devdiscourse.com/article/business/1366116-wipro-ge-healthcare-joins-hands-with-iit-madras-to-foster-industry-academia-collaboration>

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Date: 10th December 2020

Media: Bangalore- Education News

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: Wipro GE Healthcare join hands with IIT Madras to foster industry-academia collaboration

URL: <http://blog.bangaloreeducation.com/wipro-ge-healthcare-join-hands-with-iit-madras-to-foster-industry-academia-collaboration/>

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Date: 10th December 2020

Media: Indiaccess- Education News

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: Wipro GE Healthcare join hands with IIT Madras to foster industry-academia collaboration

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Date: 10th December 2020

Media: Gadgets Now

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson: Mr. Azim Premji

Headline: Wipro GE Healthcare announces fellowship partnership with IIT Madras.

URL: <https://www.gadgetsnow.com/tech-news/wipro-ge-healthcare-announces-fellowship-partnership-with-iit-madras/articleshow/79663685.cms>

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Date: 10th December 2020

Media: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: IIT Madras and Wipro GE Healthcare Announce Fellowship Partnership, Financial Aid to Research Scholars

URL: <https://skilloutlook.com/education/iit-madras-and-wipro-ge-healthcare-announce-fellowship-partnership-financial-aid-to-research-scholars>

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Date: 10th December 2020

Media: Bio Spectrum

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: Wipro GE Healthcare partners with IIT Madras

URL: <https://www.biospectrumindia.com/news/68/17751/wipro-ge-healthcare-partners-with-iit-madras.html>

WiproGE Healthcare Private Limited (WGE) on Thursday announced a fellowship partnership with Indian Institute of Technology Madras (IITM), Chennai to provide increased opportunities for Research Scholars to build and further improve the innovation ecosystem.

Under this programme, WGE would also provide financial aid and industrial expertise to chosen Masters (MS) in Research Scholars at IITM.

Speaking on the collaboration, WGE Chairman Azim Premji said the world of healthcare is getting transformed through use of digital technologies which can address some of the toughest healthcare challenges.

This transformation can be accelerated by building a collaborative ecosystem of industry and academia partners, he said.

“Through this partnership with IITM, we wish to mentor the students and their ideas, and help them develop affordable healthcare solutions for those in need across the country,” Premji was quoted as saying in a joint statement.

WGE aims to develop an innovation mindset in students with engineering skills by providing industrial exposure in the healthcare domain and other technology areas of the company through close collaboration with technical experts, it said.

Research scholars of this MS programme shall also be offered nine-month long internship opportunity at WGE.

“This collaboration will provide a rich experience to research scholars of the program as they will get a chance to work on diverse healthcare projects and get mentored by industry experts from Wipro GE Healthcare,” said IITM Director Prof. Bhaskar Ramamurthi.

Date: 10th December 2020

Media: Career360

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson: Mr. Azim Premji

Headline: Wipro GE Healthcare, IITM partner up to foster industry-academia collaboration

URL: <https://news.careers360.com/wipro-ge-healthcare-iitm-foster-industry-academia-collaboration>

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Date: 10th December 2020

Media: Bio Voice

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: Wipro GE Healthcare join hands with IIT Madras to foster industry-academia collaboration

URL: <https://www.biovoicenews.com/wipro-ge-healthcare-join-hands-with-iit-madras-to-foster-industry-academia-collaboration/>

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Date: 10th December 2020

Media: Data Quest

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson: Mr. Azim Premji

Headline: IIT Madras and Wipro GE Healthcare Announce Fellowship Partnership, Selected Students to Receive Financial Aid

URL: <https://www.dqindia.com/iit-madras-wipro-ge-healthcare-announce-fellowship-partnership-selected-students-receive-financial-aid/>

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Date: 10th December 2020

Media: Daily Excelsior

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson: Mr. Azim Premji

Headline: Wipro GE Healthcare joins hands with IIT Madras to foster industry-academia collaboration

URL: <https://www.dailyexcelsior.com/wipro-ge-healthcare-joins-hands-with-iit-madras-to-foster-industry-academia-collaboration/>

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Date: 10th December 2020

Media: E-Flip

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson: Mr. Azim Premji

Headline: Wipro GE Healthcare in tie-up with IITM to foster industry-academia collaboration

URL: <https://eflip.in/wipro-ge-healthcare-joins-hands-with-iit-madras-to-foster-industry-academia-collaboration/>

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Date: 10th December 2020

Media: The NFA Post

Edition: Online

Journalist: Uma Kannan

Professor: Prof. Bhaskar Ramamurthi

Spokesperson: Mr. Azim Premji

Headline: Wipro GE Healthcare and IIT Madras To Foster Industry-Academia Collaboration

URL: <https://www.thenfapost.com/2020/12/10/wipro-ge-healthcare-and-iit-madras-to-foster-industry-academia-collaboration/>

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Date: 11th December 2020

Media: The Hindu Business Line (clip attached)

Edition: New Delhi / Mumbai / Bangalore / Chennai

Page No: 9

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: Wipro GE Healthcare, IIT-M join hands to create more opportunities for research scholars

URL: <https://www.thehindubusinessline.com/companies/wipro-ge-healthcare-iit-madras-join-hands-to-create-more-opportunities-for-research-scholars/article33298654.ece>

Wipro GE Healthcare, IIT-M join hands to create more opportunities for research scholars

The partnership will support students to develop affordable healthcare solutions



OUR BUREAU

Chennai, December 10

Wipro GE Healthcare on Thursday announced a fellowship partnership with Indian Institute of Technology Madras (IIT-M) to provide increased opportunities for research scholars to build and to further improve the innovation ecosystem in the country.

Under the programme, Wipro GE Healthcare (WGE) will provide financial aid and industrial expertise to chosen Masters (MS) in Research Scholars at IIT Madras.

“The world of healthcare is getting transformed through use of digital tech-

nologies which can address some of the toughest healthcare challenges. Through this partnership with IIT-M, we wish to mentor the students and their ideas, and help them develop affordable healthcare solutions for those in need across the country,” Azim Premji, Chairman, Wipro GE Healthcare, said in a press release.

A joint-venture between Wipro and GE Healthcare, WGE is focused on some of the country’s toughest healthcare challenges such as lowering maternal and infant deaths, enabling early

detection of cancer and addressing heart diseases early.

Research Scholars of the MS programme shall also be offered nine-month internship opportunities at WGE.

“This collaboration will provide a rich experience to research scholars of the programme as they will get a chance to work on diverse healthcare projects and get mentored by industry experts from Wipro GE Healthcare,” Bhaskar Ramamurthi, Director, Indian Institute of Technology Madras, said in the statement.

“We are honoured to collaborate with IIT-M and tap into their vibrant pool of student community willing to be challenged to come out with breakthrough ideas in the healthcare sector,” Nalinikanth Gollagunta, Global Chief Operating Officer, Digital, GE Healthcare, was quoted as saying.

Date: 11th December 2020

Media: The Financial Express (clip attached)

Edition: Ahmedabad / Bangalore / Chennai / Hyderabad / Kolkata / Mumbai / New Delhi

Page No: 6

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: Wipro GE Healthcare ties up with IIT-Madras

URL: <https://www.financialexpress.com/education-2/wipro-ge-healthcare-in-tie-up-with-iitm-to-foster-industry-academia-collaboration/2147492/>

Wipro GE Healthcare ties up with IIT-Madras

WIPRO GE HEALTHCARE on Thursday announced a fellowship partnership with Indian Institute of Technology-Madras (IIT-M) to provide increased opportunities for research scholars to build and further improve the innovation ecosystem. Under this programme, Wipro GE Healthcare will also provide financial aid and industrial expertise to chosen masters' (MS) research scholars at IIT-M.

Date: 11th December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: Wipro GE Healthcare offers fellowship to IIT-M students

URL: <https://www.thehindu.com/todays-paper/tp-national/tp-tamilnadu/wipro-ge-healthcare-offers-fellowship-to-iit-m-students/article33304417.ece>

Wipro GE Healthcare (WGE) has entered into an agreement to offer fellowships to M.S. students of the Indian Institute of Technology-Madras.

WGE's chairman Azim Premji said through the partnership the company aimed to mentor students and help them develop their ideas into affordable healthcare solutions.

The students would be offered a nine-month internship at the company.

IIT-M Director Bhaskar Ramamurthi said the collaboration would provide "a rich experience to research scholars of the programme as they will get a chance to work on diverse healthcare projects and get mentored by industry experts from Wipro GE Healthcare."

Nalinikanth Gollagunta, global chief operating officer, Digital, GE Healthcare, said the investment in talent was to build capacity for the entire healthcare ecosystem.

Mohanasankar Sivaprakasam, head of the Institute's Healthcare Technology Innovation Centre and programme coordinator, said the centre had an "engaging and productive research and development collaboration" with the company for the past six years.

Date: 16th December 2020

Media: CNBC TV18

Edition: Online

Journalist: Shereen Bhen

Professor: Prof. V Kamakoti

Headline: 4G auction is to maintain customer service and market share: Former telecom secy R Chandrashekhar

URL: <https://www.cnbctv18.com/telecom/4g-auction-is-to-maintain-customer-service-and-market-share-former-telecom-secy-r-chandrashekhar-7748801.htm>

Cabinet approves auctioning 4G telecom spectrum in 7 frequency bands between 700 megahertz and 2,500 megahertz. Auctions are scheduled for March 2021 and will have a validity of 20 years. Government expects to rake in Rs 3.9 lakh crore at the reserve price.

Successful bidders might have to pay entire bid amount in one go or pay 25 percent to 50 percent upfront and remaining amount in 16 equated annual instalments, after a moratorium of two years. Successful bidders will have to pay 3 percent of the adjusted gross revenue (AGR) excluding wireline services as spectrum usage charges.

Apart from spectrum, the Cabinet also gave its approval for setting up national security committee to list "trusted and not trusted sources" of telecom vendors and devices. The committee will be headed by deputy national security adviser and will comprise all stakeholders.

R Chandrashekhar, Former Secretary of Telecom, and V Kamakoti, Professor at IIT Madras and Member of National Security Advisory Board gave their insights on this issue.

R Chandrashekhar said, "It may not be very aggressive in terms of behaviour however some of this spectrum is needed by the telecom operators to replace spectrum for which the earlier duration has expired so they have little option, but to bid for that spectrum."

"This 4G is to be keep the ship afloat to make sure that the services don't deteriorate and to maintain their customer services and market share."

On the national security committee and trusted products, V Kamakoti said, "We need to have some sort of visibility in to the equipment, some sort of assurance is needed. The point of discussion is whether equipment can be trusted or not trusted and there are certain parameters and certain technical ways by which we can analyse that equipment."

"If we do software analysis and find that there are risks in this software, we may say that go back and unless you fix you don't come back. This is purely a technical directive as you seek it, the directive is not looking at any country-specific stuff."

Date: 21st December 2020

Media: EPC World (Clip attached)

Edition: Magazine

Page No: 12

Journalist: NA

Headline: Hitachi ABB Power Grids teams up with Ashok Leyland in e-bus pilot at IIT Madras campus

Hitachi ABB Power Grids teams up with Ashok Leyland in e-bus pilot at IIT Madras campus

Hitachi ABB Power Grids in India has signed a Memorandum of Understanding with Ashok Leyland and the Indian Institute of Technology Madras (IIT M) for an e-mobility pilot. The triumvirate will run an electric bus (e-bus) pilot to support sustainable in-campus commuting by IITM's students and staff. The e-bus, which will incorporate Hitachi ABB Power Grids' innovative flash-charging technology – Grid-eMotion™ Flash, will be provided by India's largest bus manufacturer, Ashok Leyland. IITM will host the infrastructure required to operate the flash-charging system for the e-bus.

Date: 17th December 2020

Media: Chronicle Pharmabiz (Clip attached)

Edition: Magazine

Page No: 23

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi, Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji, Nalinikanth Gollagunta

Headline: Wipro GE joins hands with IIT-M to foster industry-academia collaboration

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Our Bureau, Mumbai

WIPRO GE Healthcare Private Limited announced a fellowship partnership with Indian Institute of Technology Madras (IIT-M), Chennai, to provide increased opportunities for research scholars to build and further improve the innovation ecosystem.

Under this programme, Wipro GE Healthcare will also provide financial aid and industrial expertise to chosen Masters (MS) in Research Scholars at IIT Madras.

Azim Premji, chairman, Wipro GE Healthcare said, "The world of healthcare is getting transformed through use of digital technologies which can address some of the toughest healthcare challenges. This transformation can be accelerated by building a collaborative ecosystem of industry and academia partners. Through this partnership with IITM, we wish to mentor the students and their ideas, and help them develop affordable healthcare solutions for those in need across the country."

Wipro GE Healthcare aims to develop an innovation mindset in students with engineering

skills by providing industrial exposure in healthcare domain and other technology areas of the company through close collaboration with technical experts. Research scholars of this MS programme shall also be offered nine-month long internship opportunity at WGE.

The partnership will further evangelize the concept of local innovation in affordable medical technology and other related areas through activities such as student hackathons, guest lectures, product teardowns and lecture demonstrations.

Highlighting the opportunities from this collaboration, Prof Bhaskar Ramamurthi, Director, Indian Institute of Technology Madras, said, "We are delighted to partner with GE Healthcare in this exciting area of healthcare innovation to catalyze innovative research and solutions that can impact the society positively. This collaboration will provide a rich experience to research scholars of the programme as they will get a chance to work on diverse healthcare projects and get mentored by industry experts from Wipro GE Healthcare. Such research degree programmes driven by industry-

academia partnership are an important element of IITM's research and innovation ecosystem."

Nalinikanth Gollagunta, global chief operating officer, Digital, GE Healthcare said, "We are honored to collaborate with IITM and tap into their vibrant pool of student community willing to be challenged to come out with breakthrough ideas in the healthcare sector. We believe in investing in talent early for building capacity not just for Wipro GE but also for the entire healthcare ecosystem. Through the programme, we hope to foster a spirit of innovation and growth mindset among the future technology leaders coming out of IITM."

Professor Mohanasankar Sivaprakasam, Head of IITM's Healthcare Technology Innovation Centre and coordinator of this programme said, "We have had a very engaging and productive R&D collaboration with GE Healthcare during the past six years through various projects. This MS degree program takes our partnership to the next level by an explicit focus on developing talent and skills in this area through our research scholars." ◆

Date: 23rd December 2020

Media: The Hindu Business Line (clip attached)

Edition: Chennai / Kolkata / Mumbai / New Delhi

Page No: 9

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: Rajasthan govt signs MoU with IIT-Madras for tech solution to road safety

URL: <https://www.thehindubusinessline.com/news/national/rajasthan-govt-signs-mou-with-iit-madras-for-tech-solution-to-road-safety/article33400161.ece>

The objective is to enhance road safety measures, and increase the survival of road accident survival and reduce its occurrence. The Indian Institute of Technology, Madras, will collaborate with the Rajasthan government to help it implement a structured framework for a data-driven system approach to road safety. An MoU for this collaboration was signed recently between the Rajasthan government represented by its Transport Commissioner Ravi Jain and Dean (Industrial Consultancy and Sponsored Research) of IIT Madras Ravindra Gettu. The objective of this collaboration is to enhance road safety measures, increase capacity and capability across the board in the Government to both increase the survivability of road accident victims and reduce occurrence rate in the State, says a release from IIT Madras.

Pratap Singh Khachariyawas, Minister for Transport, Government of Rajasthan, said, "We are extremely delighted to join hands with RBG Labs at IIT Madras to help implement the Tamil Nadu Model of Road Safety and are ever ready to facilitate interactions between the stakeholders of Government of Rajasthan and IIT Madras." The key outcomes targeted from this collaboration include building capability of the core road safety team in Rajasthan; help build strategies and implement work packages for all stakeholder departments to realize safe roads in Rajasthan; develop a road map towards reaching the goal of 50 per cent reduction in road fatalities by 2030 and eventually to zero deaths from road accidents and help build a data driven trauma care with institutional registry developed by IIT Madras. Venkatesh Balasubramanian, Faculty In-Charge, Rehabilitation Bioengineering Group (RBG) Labs, Department of Engineering Design, IIT Madras, said that the engagement will bring benefits to both the partners. With requisite orientation and training programmes, the stakeholders from Rajasthan are expected to develop both capacity and capability. This will be essential in implementing and using the information from the huge road accident data from MoRTH - Integrated Road Accident Database. Some of the other key projects on road safety taken from the RBG Labs include working with National Health Mission Tamil Nadu to build a unique Trauma Care programme - TAEI (Tamil Nadu Accident and Emergency care Initiative). It also advises in designing and implementing this unique trauma care programme that uses principles of lean manufacturing, he said. Working with the Tamil Nadu Police, the RBG Labs helped improve the data collection process of road accidents called Road Accident Database Management System. The resultant application - Traffic Accident Reporting App - was geared to have an integrated approach to accident data collection. Further, the MoRTH adopted this integrated approach for data collection where in-depth data can be simultaneously collected from various domain specialist agencies called iRAD (Integrated Road Accident Database). RBG Labs, IIT Madras and NICSI are currently in the process of developing and implementing nationally, he said.

Date: 23rd December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: IIT Madras to help Rajasthan government improve road safety

URL: <https://www.thehindu.com/news/cities/chennai/iit-madras-to-help-rajasthan-government-improve-road-safety/article33402047.ece>

The Indian Institute of Technology Madras has signed an agreement with Rajasthan government to implement a framework to improve road safety in that State.

Rajasthan government's transport commissioner Ravi Jain and IIT Madras' dean for industrial consultancy and sponsored research Ravindra Gettu signed the agreement recently. Mr. Jain said Rajasthan was one of the pilot States to implement the Integrated Road Accident Database.

According to Rajasthan Transport Minister Pratap Singh Kachariyawas the Institute's Rehabilitation Bioengineering Group (RBG) laboratory in the Department of Engineering Design would help implement the Tamil Nadu model of road safety in his State.

The aim is to reduce road fatalities by half by 2030 in road traffic accidents. The institute would develop a registry and help build data-driven trauma care.

Mr. Gettu said the institute would build the capability of various stakeholders in the Rajasthan government. The collaboration would involve various State departments including Public Works, National Highways Authority of India, police, health and medical services.

Venkatesh Balasubramanian, faculty in-charge of RBG labs, who is coordinating the initiative said Rajasthan would develop capacity and capability. It would be essential in implementing and using the information from the IRDA of the Ministry of Road Transport and Highways, he said.

MoRTH Secretary Giridhar Aramane said the Ministry had been backing RBG labs to take its structured data-driven system approach across the country. He expressed hope to see the initiative have a major impact in Rajasthan.

Date: 23rd December 2020

Media: The Economic Times

Edition: Online

Journalist: Rica Bhattacharyya

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: IIT Madras to collaborate with govt of Rajasthan to implement data-driven systems approach to road safety

URL: <https://economictimes.indiatimes.com/industry/transportation/roadways/iit-madras-to-collaborate-with-govt-of-rajasthan-to-implement-data-driven-systems-approach-to-road-safety/articleshow/79915751.cms>

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Media: UNI

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: IIT-Madras to collaborate with Raj govt on road safety

URL: <http://www.uniindia.com/iit-madras-to-collaborate-with-raj-govt-on-road-safety/south/news/2272113.html>

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Date: 23rd December 2020

Media: The New Indian Express- EDEX

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: Rajasthan Government to implement Data-driven systems approach to Road Safety in Collaboration with IIT Madras

URL: <https://www.edexlive.com/news/2020/dec/23/rajasthan-government-to-implement-data-driven-systems-approach-to-road-safety-in-collaboration-with-16797.html>

Indian Institute of Technology Madras will collaborate with the Government of Rajasthan to help it implement a structured framework for a data-driven systems approach to road safety. An MoU for this collaboration was signed recently between the Rajasthan Government represented by its Shri Ravi Jain, Transport Commissioner, and IIT Madras by Prof Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras.

The key objective of this collaboration is to enhance road safety measures, increase capacity and capability across the board in the Government to both increase the survivability of road accident victims and reduce the occurrence rate in the State. Marking the beginning of this partnership, Pratap Singh Khachariyawas, Minister for Transport, Government of Rajasthan, said, "Our Government has always been very determined in strengthening our State's road safety measures so as to reduce the number of road accidents and fatalities from it considerably. In this regard, we are extremely delighted to join hands with RBG Labs at IIT Madras to help implement the Tamil Nadu Model of Road Safety and are ever ready to facilitate interactions between the stakeholders of Government of Rajasthan and IIT Madras."

Speaking on the association, Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras, said, "This MoU will foster a collaborative partnership wherein IIT Madras will be building the capability of various stakeholders in Government of Rajasthan and help them design and implement a successful road safety program." This collaboration will involve various stakeholder Departments in Govt. of Rajasthan involved in road safety including Public Works Department (PWD), National Highways Authority of India (NHAI), police, health and medical services, among other agencies.

Elaborating on this engagement, Venkatesh Balasubramanian, Faculty In-Charge, Rehabilitation Bioengineering Group (RBG) Labs, Department of Engineering Design, IIT Madras, who is coordinating this initiative, said, "Roads are shared asset and the safety on them is a collective responsibility of all the stakeholders. However, without having an overt and specific responsibility, it can be easily lost between the gaps. Therefore, it is quintessential to develop a good strategy based on data. It is, therefore, necessary to have a design thinking approach to solve the problem by not just identifying the issues but implementing changes that are sustainable in the local conditions."

Prof. Venkatesh Balasubramanian added, "The breadth of this engagement is a testament to the benefit it will bring to both the partners. With requisite orientation and training programmes, the stakeholders from the State of Rajasthan are expected to develop both capacity and capability. This will be essential in implementing and using the information from the magnum opus of road accident data from MoRTH, i.e., 'Integrated Road Accident Database' (iRAD)."

Date: 24th December 2020

Media: DT Next

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Headline: IIT-M to help Rajasthan with data-driven road safety plan

URL: <https://www.dtnext.in/News/City/2020/12/24051606/1267969/IITM-to-help-Rajasthan-with-datadriven-road-safety-.vpf>

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Date: 23rd December 2020

Media: BW Education

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Govt of Rajasthan To Implement Data-driven Systems Approach To Road Safety In Collaboration With IIT Madras

URL: <http://bweducation.businessworld.in/article/Govt-Of-Rajasthan-To-Implement-Data-driven-Systems-Approach-To-Road-Safety-In-Collaboration-With-IIT-Madras/23-12-2020-357209/>

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Date: 23rd December 2020

Media: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Govt of Rajasthan to implement Data-driven Systems approach to Road Safety in Collaboration with IIT Madras

URL: <https://skilloutlook.com/education/govt-of-rajasthan-to-implement-data-driven-systems-approach-to-road-safety-in-collaboration-with-iit-madras>

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Date: 23rd December 2020

Media: Navjeevan Express

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Rajasthan to implement Data-driven Systems approach for Road Safety in Collaboration with IIT Madras

URL: <https://navjeevanexpress.com/rajasthan-to-implement-data-driven-systems-approach-for-road-safety-in-collaboration-with-iit-madras/>

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Date: 23rd December 2020

Media: Edu Advice

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Rajasthan Govt to implement Data-driven Systems with IIT Madras

URL: <http://eduadvice.in/home/NewsDetail?pid=33278>

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Date: 23rd December 2020

Media: India Education Diary

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Govt of Rajasthan to implement Data-driven Systems approach to Road Safety in Collaboration with IIT Madras

URL: <https://indiaeducationdiary.in/govt-of-rajasthan-to-implement-data-driven-systems-approach-to-road-safety-in-collaboration-with-iit-madras/>

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Date: 23rd December 2020

Media: College Chalo

Edition: Online

Journalist: S. Vishnu Sharma

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Researchers from IIT M collect great data on river discharge

URL: <https://www.collegechalo.com/news/researchers-from-iit-m-collect-great/>

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Date: 24th December 2020

Media: Rajasthan Patrika (clip attached)

Edition: Jaipur

Page No: 9

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Data- based system for road safety will be implemented

सड़क सुरक्षा की डेटा- आधारित व्यवस्था होगी लागू

डेली न्यूज, जयपुर। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा। इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिध रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, डीन (औद्योगिक परामर्श और प्रायोजित अनुसंधान) ने हस्ताक्षर किए। करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है। राज्य सरकार के परिवहन मंत्री प्रताप सिंह खचरियावास ने कहा, 'हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है, ताकि कम से कम सड़क दुर्घटनाएं हो और इनसे मृत्यु के मामलों में कमी आए।

Date: 24th December 2020

Media: Dainik Bhaskar (clip attached)

Edifion: Jaipur

Page No: 22

Journalist: NA

Professor: Prof. Ravindra Gettu

Spokesperson Quoted: Mr. Ravi Jain

Headline: IIT Madras signed an MOU with the state Govt

आईआईटी मद्रास का राज्य सरकार से एमओयू

जयपुर | राजस्थान सरकार ने भारतीय प्रौद्योगिकी संस्थान (आईआईटी) मद्रास से एमओयू किया है, ताकि सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा आधारित व्यवस्था कायम करने में मदद मिल सके। एमओयू पर परिवहन आयुक्त रवि जैन और आईआईटी मद्रास के डीन रविंद्र गेट्टू ने हस्ताक्षर किए। राज्य के परिवहन मंत्री प्रताप सिंह खाचरियावास ने कहा कि इसका उद्देश्य सड़क सुरक्षा उपायों को बढ़ाना, दुर्घटनाग्रस्त लोगों की जान बचाने और हादसों में कमी लाना है।

Date: 24th December 2020

Media: Sandesh (clip attached)

Edition: Jaipur

Page No: 2

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Rajasthan Govt to implement Data- based road safety system with the help of IIT Madras



आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

जयपुर। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा।

इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि श्री रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, डीन (औद्योगिक परामर्श और प्रायोजित अनुसंधान) ने हस्ताक्षर किए।

करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है।

करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री श्री प्रताप सिंह खचरियावास ने कहा, "हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है ताकि कम-से-कम सड़क दुर्घटनाएं हों और इनसे मृत्यु के मामलों में कमी आए। इस संबंध में हम आईआईटी मद्रास के आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं।"

करार के बारे में आईआईटी मद्रास के डीन (औद्योगिक परामर्श एवं प्रायोजित अनुसंधान) प्रो. रविंद्र गेट्टू ने बताया, "इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के विभिन्न भागीदारों की क्षमता का विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा।"

इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचआई), पुलिस, स्वास्थ्य एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां।

इस पहल के समन्वयक प्रो. वेंकटेश बाला सुब्रमण्यन, फैक्ट्री इन-चार्ज, रिहैबिलिटेशन बायोइंजीनियरिंग ग्रुप (आरबीबी) लैबरेटरी, इंजीनियरिंग डिजाइन विभाग, आईआईटी मद्रास ने इस करार के बारे में कहा, "सड़कें हम सभी की साझा संपत्ति हैं और उन पर लोगों की सुरक्षा भी सभी भागीदारों की सामूहिक जिम्मेदारी है। हालांकि इस जिम्मेदारी को लेकर स्पष्टता नहीं हो और जिम्मेदारी तय नहीं की जा सके तो इसमें कमी बनी रहेगी। इसलिए डेटा के आधार पर ठोस रणनीति का विकास करना सबसे अच्छा उपाय है। इसके लिए डिजाइन थिंकिंग चाहिए क्योंकि केवल समस्याओं को समझ कर निदान करना पर्याप्त नहीं होगा बल्कि ऐसे बदलाव करने होंगे जो स्थानीय परिस्थितियों में स्थायी हों।"

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URL: <https://dainikjalteedep.com/rajasthan-government-will-implement-data-based-system-of-road-safety-with-the-help-of-iit-madras/>

आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

■ जलतेदीप कासं, जयपुर

भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा। इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, डीन ने हस्ताक्षर किए। करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है। करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री प्रताप सिंह खचरियावास ने कहा, "हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है ताकि कम-से-कम सड़क दुर्घटनाएं हों और इनसे



मृत्यु के मामलों में कमी आए। इस संबंध में हम आईआईटी मद्रास के आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं। करार के बारे में आईआईटी मद्रास के डीन (औद्योगिक परामर्श एवं प्रायोजित अनुसंधान) प्रो. रविंद्र गेट्टू ने बताया, इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के विभिन्न भागीदारों की क्षमता का

विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा। इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचएआई), पुलिस, स्वास्थ्य एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां।

इस पहल के समन्वयक प्रो. वेंकटेश बाला सुब्रमण्यन, फैकल्टी इन-चार्ज, रिहैबिलिटेशन बायोइंजीनियरिंग ग्रुप (आरजीबी) लैबरेटरी, इंजीनियरिंग डिजाइन विभाग, आईआईटी मद्रास ने इस करार के बारे में कहा, सड़कें हम सभी की साझा संपत्ति हैं और उन पर लोगों की सुरक्षा भी सभी भागीदारों की सामूहिक जिम्मेदारी है। हालांकि इस जिम्मेदारी को लेकर स्पष्टता नहीं हो और जिम्मेदारी तय नहीं की जा सके तो इसमें कमी बनी रहेगी। इसलिए डेटा के आधार पर ठोस रणनीति का विकास करना सबसे अच्छा उपाय है।

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Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

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आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

जयपुर। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा।

इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि श्री रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, डीन (औद्योगिक परामर्श और प्रायोजित अनुसंधान) ने हस्ताक्षर किए।

करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है।

करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री श्री प्रताप सिंह खचरियावास ने कहा, 'हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है ताकि कम-से-कम सड़क दुर्घटनाएं हों और इनसे मृत्यु के मामलों में कमी आए। इस संबंध में हम आईआईटी मद्रास के अरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं।'

करार के बारे में आईआईटी मद्रास के डीन (औद्योगिक परामर्श एवं प्रायोजित अनुसंधान) प्रो. रविंद्र गेट्टू ने बताया, 'इस एमओयू से हमारे आपसी सहयोग को



बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के विभिन्न भागीदारों की क्षमता का विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा।'

इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचआई), पुलिस, स्वास्थ्य एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां।

इस पहल के समन्वयक प्रो. वेंकटेश बाला

सुब्रमण्यन, फैकल्टी इन-चार्ज, रिहैबिलिटेशन कायोइजीनियरिंग ग्रुप (आरजीबी) लैबरेटरी, इंजीनियरिंग डिजाइन विभाग, आईआईटी मद्रास ने इस करार के बारे

में कहा, 'सड़कें हम सभी की साझा संपत्ति हैं और उन पर लोगों की सुरक्षा भी सभी भागीदारों की सामूहिक जिम्मेदारी है। हालांकि इस जिम्मेदारी को लेकर स्पष्टता नहीं हो और जिम्मेदारी तय नहीं की जा सके तो इसमें कमी बनी रहेगी। इसलिए डेटा के आधार पर ठोस रणनीति का विकास करना सबसे अच्छा उपाय है। इसके लिए डिजाइन थिंकिंग चाहिए क्योंकि केवल समस्याओं को समझ कर निदान करना पर्याप्त नहीं होगा बल्कि ऐसे बदलाव करने होंगे जो स्थानीय परिस्थितियों में स्थायी हों।'

प्रो. वेंकटेश बालासुब्रमण्यन ने कहा, 'यह व्यापक समझौता दोनों भागीदारों को लाभ देने का करारनामा है। आवश्यक ओरिवेटेशन और प्रशिक्षण कार्यक्रमों से राजस्थान राज्य सरकार के भागीदारों की सक्षमता और कार्य क्षमता दोनों में उल्लेखनीय वृद्धि की उम्मीद है। सड़क सुरक्षा को लेकर एमओआरटीएच, यानी, 'इंटीग्रेटेड रोड एक्सिडेंट डेटाबेस' (आईआरएडी) के डेटा (मैग्नेट ओपस) का उपयोग और लाभ लेने के दृष्टिकोण से भी इस करार की एक अनिवार्यता है।'

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आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

जयपुर। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा।

इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि श्री रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टु, जैन (औद्योगिक परामर्श और प्रयोजित अनुसंधान) ने हस्ताक्षर किए।

करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है।

करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री श्री प्रताप सिंह खचरियावास ने कहा, "हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है ताकि

कम-से-कम सड़क दुर्घटनाएं हों और इनसे मृत्यु के मामलों में कमी आए। इस संबंध में हम आईआईटी मद्रास के आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं।"



करार के बारे में आईआईटी मद्रास के जैन (औद्योगिक परामर्श एवं प्रयोजित अनुसंधान) प्रो. रविंद्र गेट्टु ने बताया, "इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के विभिन्न भागीदारों की क्षमता का

विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा।"

इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचआई),

पुलिस, स्वास्थ्य एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां।

इस पहल के समन्वयक प्रो. वेंकटेश बाला सुब्रमण्यन, फैकल्टी इन-चार्ज, रिहैबिलिटेशन बायोइंजीनियरिंग ग्रुप (आरबीबी) लैबरेटरी, इंजीनियरिंग डिजाइन विभाग, आईआईटी मद्रास ने इस करार के बारे में कहा, "सड़कें हम सभी की सड़कें संपत्ति हैं और उन पर लोगों की सुरक्षा भी सभी भागीदारों की सामूहिक जिम्मेदारी है। हालांकि इस जिम्मेदारी को लेकर स्पष्टता नहीं हो और जिम्मेदारी तय नहीं की जा सके तो इसमें कमी बनी रहेगी। इसलिए डेटा के आधार पर ठोस रणनीति का विकास करना सबसे अच्छा उपाय है। इसके लिए डिजाइन थिंकिंग चाहिए क्योंकि केवल समस्याओं को समझ कर निदान करना पर्याप्त नहीं होगा बल्कि ऐसे बदलाव करने होंगे जो स्थानीय परिस्थितियों में स्थायी हों।"

प्रो. वेंकटेश बालासुब्रमण्यन ने कहा, "यह व्यापक समझौता दोनों भागीदारों को लाभ देने का करारनामा है। आवश्यक ओरियंटेशन और प्रशिक्षण कार्यक्रमों से राजस्थान राज्य सरकार के भागीदारों की सक्षमता और कार्य क्षमता दोनों में उल्लेखनीय वृद्धि की उम्मीद है। सड़क सुरक्षा को लेकर एमओआरटीएच, यानी, 'इंटीग्रेटेड रोड एक्सप्लैंड डेटाबेस' (आईआरएडी) के डेटा (मैग्म ओपस) का उपयोग और लाभ लेने के दृष्टिकोण से भी इस करार की एक अनिवार्यता है।"

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Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

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आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

जयपुर। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा।

इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि श्री रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेटू, डीन (औद्योगिक परामर्श और प्रायोजित अनुसंधान) ने हस्ताक्षर किए।

करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है।

करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री श्री प्रताप सिंह खचरियावास ने कहा, 'हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है ताकि कम-से-कम सड़क दुर्घटनाएं हों और इनसे मृत्यु के मामलों

में कमी आए। इस संबंध में हम आईआईटी मद्रास के



आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं।

करार के बारे में आईआईटी मद्रास के डीन (औद्योगिक परामर्श एवं प्रायोजित अनुसंधान) प्रो. रविंद्र गेटू ने बताया, 'इस एमओयू से हमारे आपसी

सहयोग को बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के विभिन्न भागीदारों की क्षमता का विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा।'

इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचएआई), पुलिस, स्वास्थ्य एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां।

इस पहल के समन्वयक प्रो. वेकटेश बाला सुब्रमण्यन, फैकल्टी इन-चार्ज, रिहैबिलिटेशन बायोइंजीनियरिंग ग्रुप (आरबीबी) लैबरेटरी, इंजीनियरिंग डिजाइन विभाग, आईआईटी मद्रास ने इस करार के बारे में कहा, 'सड़कें हम सभी की साझा संपत्ति हैं और उन पर लोगों की सुरक्षा भी सभी भागीदारों की सामूहिक जिम्मेदारी है। हालांकि इस जिम्मेदारी को लेकर स्पष्टता नहीं हो और जिम्मेदारी तय नहीं की जा सके तो इसमें कमी बनी रहेगी।

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Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

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प्रदेश सरकार आईआईटी मद्रास की मदद से सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

जयपुर (एजेंसी)। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि श्री रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू, डीन (औद्योगिक परामर्श और प्रायोजित अनुसंधान) ने हस्ताक्षर किए। करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों की जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है। करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री प्रताप सिंह खचरियावास ने कहा, "हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है ताकि कम-से-कम सड़क दुर्घटनाएं हों और इनसे मृत्यु के मामलों में कमी आए। इस संबंध में हम आईआईटी मद्रास के आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं।

इस करार के परिणामस्वरूप मुख्य लक्ष्यों में शामिल हैं:

- ▶ राजस्थान की बुनियादी सड़क सुरक्षा टीम की क्षमता का विकास।
- ▶ राजस्थान में सड़क सुरक्षा के लक्ष्यों को पूरा करने हेतु राज्य के सभी संबद्ध विभागों को रणनीति बनाने और लागू करने में मदद करना।
- ▶ एसडीजी के लक्ष्यों को पूरा करने हेतु 2030 तक सड़क दुर्घटनाओं में 50 प्रतिशत कमी और अंततः सड़क दुर्घटनाओं में मृत्यु के मामले शून्य करने का रोड मैप तैयार करना।
- ▶ दुर्घटनाग्रस्तों के आघात उपचार के लिए आईआईटी मद्रास में विकसित संस्थागत पंजीकरण के साथ डेटा आधारित देखभाल की व्यवस्था करना।

करार के बारे में आईआईटी मद्रास के डीन (औद्योगिक परामर्श एवं प्रायोजित अनुसंधान) प्रो. रविंद्र गेट्टू ने बताया, इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के विभिन्न भागीदारों की क्षमता का विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा। इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचएआई), पुलिस, स्वास्थ्य

एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां। इस पहल के समन्वयक प्रो. वेंकटेश बाला सुब्रमण्यन, फैकल्टी इन-चार्ज, रिहैबिलिटेशन बायोइंजीनियरिंग ग्रुप (आरबीबी) लैबरेटरी, इंजीनियरिंग डिजाइन विभाग, आईआईटी मद्रास ने इस करार के बारे में कहा, सड़कें हम सभी की साझा संपत्ति हैं और उन पर लोगों की सुरक्षा भी सभी भागीदारों की सामूहिक जिम्मेदारी है। हालांकि इस जिम्मेदारी को लेकर स्पष्टता नहीं हो और जिम्मेदारी तय नहीं की जा सके तो इसमें कमी बनी रहेगी। इसलिए डेटा के आधार पर ठोस रणनीति का विकास करना सबसे अच्छा उपाय है। इसके लिए डिजाइन थिंकिंग चाहिए क्योंकि केवल समस्याओं को समझ कर निदान करना पर्याप्त नहीं होगा बल्कि ऐसे बदलाव करने होंगे जो स्थानीय परिस्थितियों में स्थायी हों। प्रो. वेंकटेश बालासुब्रमण्यन ने कहा, यह व्यापक समझौता दोनों भागीदारों को लाभ देने का करारनामा है। आवश्यक ओरियंटेशन और प्रशिक्षण कार्यक्रमों से राजस्थान राज्य सरकार के भागीदारों की सक्षमता और कार्य क्षमता दोनों में उल्लेखनीय वृद्धि की उम्मीद है। सड़क सुरक्षा को लेकर एमओआरटीएच, यानी, 'इंटीग्रेटेड रोड एक्सीडेंट डेटाबेस' (आईआरएडी) के डेटा (मैग्नेम ओपस) का उपयोग और लाभ लेने के दृष्टिकोण से भी इस करार की एक अनिवार्यता है।

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Media: Saccha Sagar (clip attached)

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Page No: 5

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: Rajasthan Govt to implement Data- based road safety system with the help of IIT Madras

आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी

जयपुर। भारतीय प्रौद्योगिकी संस्थान मद्रास राजस्थान सरकार से सहमति करार कर सड़क सुरक्षा का सुनियोजित ढांचा बनाने के लक्ष्य से डेटा-आधारित व्यवस्था कायम करने में राज्य सरकार की मदद करेगा।

इस सहमति करार पर हाल ही में राजस्थान सरकार के प्रतिनिधि श्री रवि जैन, परिवहन आयुक्त और आईआईटी मद्रास के प्रतिनिधि संस्थान के प्रोफेसर रविंद्र गेट्टू डीन (औद्योगिक परामर्श और प्रायोजित अनुसंधान) ने हस्ताक्षर किए।

करार का मुख्य उद्देश्य सड़क सुरक्षा के उपायों को बढ़ाना, सड़क पर दुर्घटनाग्रस्त लोगों को जान बचाने और राज्य में दुर्घटना के मामलों में कमी के बेहतर उपाय करने के लक्ष्य से सरकार में हर स्तर पर सक्षमता और कार्य क्षमता बढ़ाना है।

करार को अहम बताते हुए राजस्थान सरकार के परिवहन मंत्री श्री प्रताप सिंह खचरियावास ने कहा, "हमारी सरकार हमेशा पूरे राज्य में सड़क सुरक्षा के बेहतर उपाय करने को दृढ़ संकल्प रही है ताकि कम-से-कम सड़क दुर्घटनाएं हों और इनसे मृत्यु के मामलों में कमी आए। इस संबंध में हम आईआईटी मद्रास के आरबीजी लैब्स से करार कर बहुत खुश हैं। इससे सड़क सुरक्षा का तमिलनाडु मॉडल लागू करने में मदद मिलेगी और हम राजस्थान सरकार के भागीदारों और आईआईटी मद्रास के बीच संपर्क-संवाद की सुविधा बढ़ाने के लिए तैयार हैं।"

करार के बारे में आईआईटी मद्रास के डीन (औद्योगिक परामर्श एवं प्रायोजित अनुसंधान) प्रो. रविंद्र गेट्टू ने बताया, 'इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मिलेगा। आईआईटी मद्रास राजस्थान सरकार के



विभिन्न भागीदारों की क्षमता का विकास करेगा और उन्हें एक सफल सड़क सुरक्षा कार्यक्रम की रूपरेखा बनाने और लागू करने में मदद करेगा।'

इस करार के तहत सड़क सुरक्षा से जुड़े राजस्थान सरकार के विभिन्न विभाग भागीदार होंगे जैसे लोक निर्माण विभाग (पीडब्ल्यूडी), भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (एनएचएआई), पुलिस, स्वास्थ्य एवं चिकित्सा सेवा विभाग सहित अन्य एजेंसियां।

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Media: Rajasthan Patrika

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Journalist: Santosh Tiwari

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था करेगी लागू (Rajasthan government will implement data-based system of road safety with the help of IIT Madras)

URL: <https://www.patrika.com/chennai-news/govt-of-rajasthan-to-implement-data-driven-systems-approach-to-road-sa-6590423/>

भारतीय औद्योगिक संस्थान मास राजस्थान सरकार से सहमत करार कर सड़क सुरा का सुनयोजित ढांचा बनाने के लय से डेटा-आधारित वथा कायम करने म राय सरकार क मदद करेगा। इस सहमत करार पर हाल ही म राजस्थान सरकार के तनध रव जैन, परवहन आयु और आईआईटी मास के तनध संस्थान के ोफेसर रव गेटू, डीन (औद्योगिक परामश और ायोजत अनुसंधान) ने हतार कए। करार का मुय उेय सड़क सुरा के उपाय को बढ़ाना, सड़क पर घटनात लोग क जान बचाने और राय म घटना के मामल म कमी के बेहतर उपाय करने के लय से सरकार म हर तर पर समता और काय मता बढ़ाना है। खबर शानदार ह टोटल लॉकडाउन, रववार को खुलेगा बाजार . छीसगढ़ के इस गांव म पहली बार पंचे कलटर-एसपी, 8 पंचायत के लोग क महावत से बात करती है ये हथनी, वीडयो हो रहा वायरल इंडया उमीद राय मनोरंजन खेल व शा ऑटोमोबाइल गैजेट बजनेस वाय धम/योतष पकायन वीडयो तवीर शोक सदेश हमारी वेबसाइट पर कंटट का योग जारी रखकर आप हमारी गोपनीयता नीत और कूकज नीत से सहमत होते ह। आईआईटी मास की मदद सेराजस्थान सरकार सड़क सुरा की डे... ढ करार को अहम बताते ए राजस्थान सरकार के परवहन मंी ताप सह खचरयावास ने कहा, हमारी सरकार हमेशा पूरे राय म सड़क सुरा के बेहतर उपाय करने को ढ संकप रही है ताक कम-से-कम सड़क घटनाए ह और इनसे मृं यु के मामल म कमी आए। इस संबंध म हम आईआईटी मास के आरबीजी लैस से करार कर बत खुश ह। इससे सड़क सुरा का तमलनाडु मॉडल लाग करने म मदद ू मलेगी और हम राजस्थान सरकार के भागीदार और आईआईटी मास के बीच संपक-संवाद क सुवधा बढ़ाने के लए तैयार ह। करार के बारे म आईआईटी मास के डीन (औद्योगिक परामश एवं ायोजत अनुसंधान) ो. रव गेटू ने बताया, इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मलेगा। आईआईटी मास राजस्थान सरकार के वभन भागीदर क मता का वकास करेगा और उह एक सफल सड़क सुरा कायम क परेखा बनाने और लाग करने म मदद करेगा। ू इस करार के तहत सड़क सुरा से जुड़े राजस्थान सरकार के वभन वभाग भागीदार हगे जैसे लोक नमाण वभाग (पीडयूडी), भारतीय रीय राजमाग ाधकरण (एनएचएआई), परवहन, शा, शहरी वकास एवं आवास, थानीय व सरकार, पुलस, वाय एवं चकसा सेवा वभाग सहत अय एजसयां, इस पहल को सफल बनाएगे। आईआईटी मास कंे आरबीजी लैस ारा वकसत डजाइन थकग अपना कर राजस्थान म सड़क घटना म मृत्यु के मामल म कमी करना इसका मकसद है। इस पहल के समवयक ो. वकटेश बाला सुमयन, फैकट इन-चाज, रहैबलटेशन बायोइंजीनयरग प (आरजीबी) लैबरेटरी, इंजीनयरग डजाइन वभाग ने इस करार क ुे बारे म कहा, सड़क हम सभी क साझा संप ह और उन पर लोग क सुरा भी सभी भागीदार क सामूहक जमेदारी है। हालांक इस जमेदारी को लेकर पता नह हो और जमेदारी तय नह क जा सके तो इसम कमी बनी रहेगी। इसलए डेटा के आधार पर ठोस रणनीत का वकास करना सबसे अछा उपाय है। इसके लए डजाइन थकग चाहए यक केवल समया को समझ कर नदान करना पयात नह होगा बक ऐसे बदलाव करने हगे जो थानीय परथतय म थाई ह। ो. वकटेश बालासुमयन ने कहा, यह ापक समझौता दोन भागीदार को लाभ देने का करारनामा है। आवयक ओरयंटेशन और शण कायम से राजस्थान राय सरकार के भागीदार क समता और काय मता दोन म उलेखनीय वृ क उमीद है। सड़क सुरा को लेकर एमओआरएच, यानी, 'इंटेडेड रोड एसीडट डेटाबेस' (आईआरएडी) के डेटा (मैनम ओपस) का उपयोग और लाभ लेने के कोण से भी इस करार क एक अनवायता है। राय म 2030 तक सड़क घटना म 50 तशत कमी करने के एसडीजी (सतत वकास के लय) लय ात करने म इसका बत लाभ मलेगा। अंततः सड़क घटना म मृत्यु के मामले शूय करने का रोड मैप तैयार होगा। घटनात के आघात उपचार के लए आईआईटी मास म वकसत संथागत पंजीकरण के साथ डेटा आधारत देखभाल क वथा करना करार का मुय लय है।

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Edition: Online

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Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: आईआईटी मद्रास की मदद से राजस्थान सरकार सड़क सुरक्षा की डेटा-आधारित व्यवस्था लागू करेगी (Rajasthan government will implement data-based system of road safety with the help of IIT Madras)

URL: <https://www.patrikajagat.com/2020/12/govt-of-rajasthan-to-implement-data-driven-systems-approach-to-road-safety-in-collaboration-with-iit-madras/>

भारतीय औद्योगिक संस्थान मास राजस्थान सरकार से सहमत करार कर सड़क सुरा का सुनयोजित ढांचा बनाने के लय से डेटा-आधारित वथा कायम करने म राय सरकार क मदद करेगा। इस सहमत करार पर हाल ही म राजस्थान सरकार के तनध रव जैन, परवहन आयु और आईआईटी मास के तनध संस्थान के ोफेसर रव गेटू, डीन (औद्योगिक परामश और ायोजित अनुसंधान) ने हतार कए। करार का मुय उेय सड़क सुरा के उपाय को बढ़ाना, सड़क पर घटनात लोग क जान बचाने और राय म घटना के मामल म कमी के बेहतर उपाय करने के लय से सरकार म हर तर पर समता और काय मता बढ़ाना है। खबर शानदार ह टोटल लॉकडाउन, रववार को खुलेगा बाजार . छीसगढ़ के इस गांव म पहली बार पंचे कलटर-एसपी, 8 पंचायत के लोग क महावत से बात करती है ये हथनी, वीडयो हो रहा वायरल इंडया उमीद राय मनोरंजन खेल व शा ऑटोमोबाइल गैजेट बजनेस वाय धम/योतष पकायन वीडयो तवीर शोक सदेश हमारी वेबसाइट पर कंटट का योग जारी रखकर आप हमारी गोपनीयता नीत और कूकज नीत से सहमत होते ह। आईआईटी मास की मदद से राजस्थान सरकार सड़क सुरा की डे... ढ करार को अहम बताते ए राजस्थान सरकार के परवहन मंी ताप सह खचरयावास ने कहा, हमारी सरकार हमेशा पूरे राय म सड़क सुरा के बेहतर उपाय करने को ढ संकप रही है ताक कम-से-कम सड़क घटनाए ह और इनसे मृं यु के मामल म कमी आए। इस संबंध म हम आईआईटी मास के आरबीजी लैस से करार कर बत खुश ह। इससे सड़क सुरा का तमलनाडु मॉडल लाग करने म मदद ू मलेगी और हम राजस्थान सरकार के भागीदार और आईआईटी मास के बीच संपक-संवाद क सुवधा बढ़ाने के लए तैयार ह। करार के बारे म आईआईटी मास के डीन (औद्योगिक परामश एवं ायोजित अनुसंधान) ो. रव गेटू ने बताया, इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मलेगा। आईआईटी मास राजस्थान सरकार के वभन भागीदर क मता का वकास करेगा और उह एक सफल सड़क सुरा कायम क परेखा बनाने और लाग करने म मदद करेगा। ू इस करार के तहत सड़क सुरा से जुड़े राजस्थान सरकार के वभन वभाग भागीदार हगे जैसे लोक नमाण वभाग (पीडयूडी), भारतीय रीय राजमाग ाधकरण (एनएचएआई), परवहन, शा, शहरी वकास एवं आवास, थानीय व सरकार, पुलस, वाय एवं चकसा सेवा वभाग सहत अय एजसयां, इस पहल को सफल बनाएगे। आईआईटी मास क ंे आरबीजी लैस ारा वकसत डजाइन थकग अपना कर राजस्थान म सड़क घटना म मृत्यु के मामल म कमी करना इसका मकसद है। इस पहल के समवयक ो. वकटेश बाला सुमयन, फैकट इन-चाज, रहैबलटेशन बायोइंजीनयरग प (आरजीबी) लैबरेटरी, इंजीनयरग डजाइन वभाग ने इस करार क ुे बारे म कहा, सड़क हम सभी क साझा संप ह और उन पर लोग क सुरा भी सभी भागीदार क सामूहक जमेदारी है। हालांक इस जमेदारी को लेकर पता नह हो और जमेदारी तय नह क जा सके तो इसम कमी बनी रहेगी। इसलए डेटा के आधार पर ठोस रणनीत का वकास करना सबसे अछा उपाय है। इसके लए डजाइन थकग चाहए यक केवल समया को समझ कर नदान करना पयात नह होगा बक ऐसे बदलाव करने हगे जो थानीय परथतय म थाई ह। ो. वकटेश बालासुमयन ने कहा, यह ापक समझौता दोन भागीदार को लाभ देने का करारनामा है। आवयक ओरयंटेशन और शण कायम से राजस्थान राय सरकार के भागीदार क समता और काय मता दोन म उलेखनीय वृ क उमीद है। सड़क सुरा को लेकर एमओआरएच, यानी, 'इंटेडेड रोड एसीडट डेटाबेस' (आईआरएडी) के डेटा (मैनम ओपस) का उपयोग और लाभ लेने के कोण से भी इस करार क एक अनवायता है। राय म 2030 तक सड़क घटना म 50 तशत कमी करने के एसडीजी (सतत वकास के लय) लय ात करने म इसका बत लाभ मलेगा। अंततः सड़क घटना म मृत्यु के मामले शूय करने का रोड मैप तैयार होगा। घटनात के आघात उपचार के लए आईआईटी मास म वकसत संथागत पंजीकरण के साथ डेटा आधारित देखभाल क वथा करना करार का मुय लय है।

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Media: Ajmer Nama

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Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain

Headline: आईआईटी मास की मदद से राजधान सरकार सड़क सुरा की डेटा-आधारत वथा लागू करेगी (Rajasthan government will implement data-based system of road safety with the help of IIT Madras)

URL: <https://ajmernama.com/national/352408/>

भारतीय ौोगक संथान मास राजधान सरकार से सहमत करार कर सड़क सुरा का सुनयोजत ढांचा बनाने के लय से डेटा-आधारत वथा कायम करने म राय सरकार क मदद करेगा। इस सहमत करार पर हाल ही म राजधान सरकार के तनध रव जैन, परवहन आयु और आईआईटी मास के तनध संथान के ोफेसर रव गेटू, डीन (औौगक परामश और ायोजत अनुसंधान) ने हतार कए। करार का मुय उेय सड़क सुरा के उपाय को बढ़ाना, सड़क पर घटनात लोग क जान बचाने और राय म घटना के मामल म कमी के बेहतर उपाय करने के लय से सरकार म हर तर पर समता और काय मता बढ़ाना है। खबर शानदार ह टोटल लॉकडाउन, रववार को खुलेगा बाजार . छीसगढ़ के इस गांव म पहली बार पंचे कलटर-एसपी, 8 पंचायत के लोग क महावत से बात करती है ये हथनी, वीडयो हो रहा वायरल इंडया उमीद राय मनोरंजन खेल व शा ऑटोमोबाइल गैजेट बजनेस वाय धम/योतष पकायन वीडयो तवीर शोक सदेश हमारी वेबसाइट पर कंटट का योग जारी रखकर आप हमारी गोपनीयता नीत और कूकज नीत से सहमत होते ह। आईआईटी मास की मदद से राजधान सरकार सड़क सुरा की डे... ढ करार को अहम बताते ए राजधान सरकार के परवहन मंी ताप सह खचरयावास ने कहा, हमारी सरकार हमेशा पूरे राय म सड़क सुरा के बेहतर उपाय करने को ढ संकप रही है ताक कम-से-कम सड़क घटनाए ह और इनसे मृं यु के मामल म कमी आए। इस संबंध म हम आईआईटी मास के आरबीजी लैस से करार कर बत खुश ह। इससे सड़क सुरा का तमलनाडु मॉडल लाग करने म मदद ूमलेगी और हम राजधान सरकार के भागीदार और आईआईटी मास के बीच संपक-संवाद क सुवधा बढ़ाने के लए तैयार ह। करार के बारे म आईआईटी मास के डीन (औौगक परामश एवं ायोजत अनुसंधान) ो. रव गेटू ने बताया, इस एमओयू से हमारे आपसी सहयोग को बढ़ावा मलेगा। आईआईटी मास राजधान सरकार के वभन भागीदर क मता का वकास करेगा और उह एक सफल सड़क सुरा कायम क परेखा बनाने और लाग करने म मदद करेगा। ू इस करार के तहत सड़क सुरा से जुड़े राजधान सरकार के वभन वभाग भागीदार हगे जैसे लोक नमाण वभाग (पीड्यूडी), भारतीय रीय राजमाग ाधकरण (एनएचएआई), परवहन, शा, शहरी वकास एवं आवास, थानीय व सरकार, पुलस, वाय एवं चकसा सेवा वभाग सहत अय एजसयां, इस पहल को सफल बनाएगे। आईआईटी मास कंे आरबीजी लैस ारा वकसत डजाइन थकग अपना कर राजधान म सड़क घटना म मृत्यु के मामल म कमी करना इसका मकसद है। इस पहल के समवयक ो. वकटेश बाला सुमयन, फैकट इन-चाज, रहैबलटेशन बायोइंजीनयरग प (आरजीबी) लैबरेटरी, इंजीनयरग डजाइन वभाग ने इस करार क ुे बारे म कहा, सड़क हम सभी क साझा संप ह और उन पर लोग क सुरा भी सभी भागीदार क सामूहक जमेदारी है। हालांक इस जमेदारी को लेकर पता नह हो और जमेदारी तय नह क जा सके तो इसम कमी बनी रहेगी। इसलए डेटा के आधार पर ठोस रणनीत का वकास करना सबसे अछा उपाय है। इसके लए डजाइन थकग चाहए यक केवल समया को समझ कर नदान करना पयात नह होगा बक ऐसे बदलाव करने हगे जो थानीय परथतय म थाई ह। ो. वकटेश बालासुमयन ने कहा, यह ापक समझौता दोन भागीदार को लाभ देने का करारनामा है। आवयक ओरयंटेशन और शण कायम से राजधान राय सरकार के भागीदार क समता और काय मता दोन म उलेखनीय वृ क उमीद है। सड़क सुरा को लेकर एमओआरएच, यानी, 'इंटेडेड रोड एसीडट डेटाबेस' (आईआरएडी) के डेटा (मैनम ओपस) का उपयोग और लाभ लेने के कोण से भी इस करार क एक अनवायता है। राय म 2030 तक सड़क घटना म 50 तशत कमी करने के एसडीजी (सतत वकास के लय) लय ात करने म इसका बत लाभ मलेगा। अंततः सड़क घटना म मृत्यु के मामले शूय करने का रोड मैप तैयार होगा। घटनात के आघात उपचार के लए आईआईटी मास म वकसत संथागत पंजीकरण के साथ डेटा आधारत देखभाल क वथा करना करार का मुय लय है।

Date: 23rd December 2020

Media: Democratic Jagat

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Govt of Rajasthan to implement Data-driven Systems approach to Road Safety in Collaboration with IIT Madras

URL: <https://democraticjagat.com/news-post/5039/govt-of-rajasthan-to-implement-data-driven-systems-approach-to-road-safety-in-collaboration-with-iit-madras>

Indian Institute of Technology Madras will collaborate with the Government of Rajasthan to help it implement a structured framework for a data-driven systems approach to road safety.

A MoU for this collaboration was signed recently between the Rajasthan Government represented by its Shri Ravi Jain, Transport Commissioner, and IIT Madras by Prof Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras.

The key objective of this collaboration is to enhance road safety measures, increase capacity and capability across the board in the Government to both increase the survivability of road accident victims and reduce occurrence rate in the State

Marking the beginning of this partnership, Shri. Pratap Singh Khachariyawas, Minister for Transport, Government of Rajasthan, said, *"Our Government has always been very determined in strengthening our State's road safety measures so as to reduce the number of road accidents and fatalities from it considerably. In this regard, we are extremely delighted to join hands with RBG Labs at IIT Madras to help implement the Tamil Nadu Model of Road Safety and are ever ready to facilitate interactions between the stakeholders of Government of Rajasthan and IIT Madras."*

The key outcomes targeted from this collaboration include:

- Ø Building capability of the core road safety team in Rajasthan.
- Ø Help build strategies and implementation work packages for all stakeholder departments to realize safe roads in the State of Rajasthan.
- Ø Develop a road map towards reaching the SDG goal of 50% reduction in road fatalities by 2030 and eventually to zero deaths from road traffic accidents.
- Ø Help build a data driven trauma care with institutional registry developed by IITMadras.

Speaking on the association, Prof. Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras, said, *"This MoU will foster a collaborative partnership wherein IIT Madras will be building the capability of various stakeholders in Government of Rajasthan and help them design and implement a successful road safety program."*

This collaboration will involve various stakeholder Departments in Govt. of Rajasthan involved in road safety including Public Works Department (PWD), National Highways Authority of India (NHAI), police, health and medical services, among other agencies.

Elaborating on this engagement, Prof. Venkatesh Balasubramanian, Faculty In-Charge, Rehabilitation Bioengineering Group (RBG) Labs, Department of Engineering Design, IIT Madras, who is coordinating this initiative, said, *"Roads are shared asset and the safety on them is a collective responsibility of all the stakeholders. However, without having an overt and specific responsibility, it can be easily lost between the gaps. Therefore, it is quintessential to develop a good strategy based on data. It is, therefore, necessary to have a design thinking approach to solve the problem by not just identifying the issues but implementing changes that are sustainable in the local conditions."*

Prof. Venkatesh Balasubramanian added, *“The breadth of this engagement is a testament to the benefit it will bring to both the partners. With requisite orientation and training programmes, the stakeholders from the State of Rajasthan are expected to develop both capacity and capability. This will be essential in implementing and using the information from the magnum opus of road accident data from MoRTH, i.e., ‘Integrated Road Accident Database’ (iRAD).”*

Some of the other key projects on road safety taken of RBG Labs at IIT Madras include:

Ø Working with National Health Mission Tamil Nadu, helped build a unique Trauma Care program, TAEI (Tamil Nadu Accident and Emergency care Initiative). RBG Labs had advised in designing and implementing this unique trauma care program that uses principles of lean manufacturing

Ø Working with the Tamil Nadu Police, helped improve the data collection process of road traffic accidents called RADMS (Road Accident Database Management System). The resultant application TARA (Traffic Accident Reporting App) was geared to have an integrated approach to accident data collection.

Ø MoRTH adopted this integrated approach for data collection where in-depth data can be simultaneously collected from various domain specialist agencies called iRAD (Integrated Road Accident Database). RBG Labs, IIT Madras and NICS are currently in the process of developing and implementing nationally

Ø Based on a technology transfer from RBG Labs, IIT Madras to M/s Harita Seating Systems Limited, an IoT based ubiquitous monitoring of driver presence, performance and behaviour monitoring system called the HaritaIntellisea™ was launched in 2017 and won the auto-component of the year in 2018.

Congratulating the initiative for being proactive, Shri. Giridhar Aramane, Secretary, Ministry of Road Transport and Highways (MoRTH), Government of India, said, *“Safe Roads are critical for safe movement of goods and people that will result in a vibrant economy. MoRTH has been backing RBG Labs at IIT Madras to take its structured data-driven system approach to improve road safety pan-India. We look forward to seeing a major impact in Rajasthan from this initiative. We wish all the stakeholders the best to make our roads safe for all.”*

The Rehabilitation Bioengineering Group is an interdisciplinary group with competencies in Human Factors and Transportation, Innovation and Lean Operations, Medical Devices and Implants.

Speaking about this initiative, Shri Ravi Jain, Transport Commissioner, who is responsible for road safety in Rajasthan, said, *“Rajasthan is one of the pilot States that will be implementing the Integrated Road Accident Database. We look forward to aligning our stakeholder Departments to work on a systems approach to road safety using the Transportation Safety Framework developed by the RBG Labs. This will help us streamline our initiatives in road safety and have a significant impact in achieving SDG (Sustainable Development Goals) goal of 50 per cent reduction by 2030 in the State.”*

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Media: Exclusive News

Edition: Online

Journalist: NA

Professor: Prof. Ravindra Gettu, Prof. Venkatesh Balasubramanian

Spokesperson Quoted: Mr. Pratap Singh Kachariyawas, Mr. Ravi Jain, Mr. Giridhar Aramane

Headline: Rajasthan to implement Data-driven Systems approach to Road Safety in Collaboration with IIT Madras

URL: <https://exclusivenews.co.in/rajasthan-to-implement-data-driven-systems-approach-to-road-safety-in-collaboration-with-iit-madras/>

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A MoU for this collaboration was signed recently between the Rajasthan Government represented by its Shri Ravi Jain, Transport Commissioner, and IIT Madras by Prof Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras.

The key objective of this collaboration is to enhance road safety measures, increase capacity and capability across the board in the Government to both increase the survivability of road accident victims and reduce occurrence rate in the State

Marking the beginning of this partnership, Shri. Pratap Singh Khachariyawas, Minister for Transport, Government of Rajasthan, said, *“Our Government has always been very determined in strengthening our State's road safety measures so as to reduce the number of road accidents and fatalities from it considerably. In this regard, we are extremely delighted to join hands with RBG Labs at IIT Madras to help implement the Tamil Nadu Model of Road Safety and are ever ready to facilitate interactions between the stakeholders of Government of Rajasthan and IIT Madras.”*

The key outcomes targeted from this collaboration include:

- Ø Building capability of the core road safety team in Rajasthan.
- Ø Help build strategies and implementation work packages for all stakeholder departments to realize safe roads in the State of Rajasthan.
- Ø Develop a road map towards reaching the SDG goal of 50% reduction in road fatalities by 2030 and eventually to zero deaths from road traffic accidents.
- Ø Help build a data driven trauma care with institutional registry developed by IITMadras.

Speaking on the association, Prof. Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras, said, *“This MoU will foster a collaborative partnership wherein IIT Madras will be building the capability of various stakeholders in Government of Rajasthan and help them design and implement a successful road safety program.”*

This collaboration will involve various stakeholder Departments in Govt. of Rajasthan involved in road safety including Public Works Department (PWD), National Highways Authority of India (NHAI), police, health and medical services, among other agencies.

Elaborating on this engagement, Prof. Venkatesh Balasubramanian, Faculty In-Charge, Rehabilitation Bioengineering Group (RBG) Labs, Department of Engineering Design, IIT Madras, who is coordinating this initiative, said, *“Roads are shared asset and the safety on them is a collective responsibility of all the stakeholders. However, without having an overt and specific responsibility, it can be easily lost between the gaps. Therefore, it is quintessential to develop a good strategy based on data. It is,*

therefore, necessary to have a design thinking approach to solve the problem by not just identifying the issues but implementing changes that are sustainable in the local conditions."

Prof. Venkatesh Balasubramanian added, "The breadth of this engagement is a testament to the benefit it will bring to both the partners. With requisite orientation and training programmes, the stakeholders from the State of Rajasthan are expected to develop both capacity and capability. This will be essential in implementing and using the information from the magnum opus of road accident data from MoRTH, i.e., 'Integrated Road Accident Database' (iRAD)."

Some of the other key projects on road safety taken of RBG Labs at IIT Madras include:

Ø Working with National Health Mission Tamil Nadu, helped build a unique Trauma Care program, TAEI (Tamil Nadu Accident and Emergency care Initiative). RBG Labs had advised in designing and implementing this unique trauma care program that uses principles of lean manufacturing

Ø Working with the Tamil Nadu Police, helped improve the data collection process of road traffic accidents called RADMS (Road Accident Database Management System). The resultant application TARA (Traffic Accident Reporting App) was geared to have an integrated approach to accident data collection.

Ø MoRTH adopted this integrated approach for data collection where in-depth data can be simultaneously collected from various domain specialist agencies called iRAD (Integrated Road Accident Database). RBG Labs, IIT Madras and NICSi are currently in the process of developing and implementing nationally

Ø Based on a technology transfer from RBG Labs, IIT Madras to M/s Harita Seating Systems Limited, an IoT based ubiquitous monitoring of driver presence, performance and behaviour monitoring system called the HaritaIntellisea™ was launched in 2017 and won the auto-component of the year in 2018.

Congratulating the initiative for being proactive, Shri. Giridhar Aramane, Secretary, Ministry of Road Transport and Highways (MoRTH), Government of India, said, "Safe Roads are critical for safe movement of goods and people that will result in a vibrant economy. MoRTH has been backing RBG Labs at IIT Madras to take its structured data-driven system approach to improve road safety pan-India. We look forward to seeing a major impact in Rajasthan from this initiative. We wish all the stakeholders the best to make our roads safe for all."

The Rehabilitation Bioengineering Group is an interdisciplinary group with competencies in Human Factors and Transportation, Innovation and Lean Operations, Medical Devices and Implants.

Speaking about this initiative, Shri Ravi Jain, Transport Commissioner, who is responsible for road safety in Rajasthan, said, "Rajasthan is one of the pilot States that will be implementing the Integrated Road Accident Database. We look forward to aligning our stakeholder Departments to work on a systems approach to road safety using the Transportation Safety Framework developed by the RBG Labs. This will help us streamline our initiatives in road safety and have a significant impact in achieving SDG (Sustainable Development Goals) goal of 50 per cent reduction by 2030 in the State."

IIT Madras is an 'Innovation and Entrepreneurship' Hub

Date: 2nd December 2020

Media: The Statesman (clip attached)

Edition: Kolkata / New Delhi

Page No: 11

Journalist: NA

Professor: Prof. K. Murali

Spokesperson Quoted: Dr. D. Kumaran Raju and Mr. D Leo

Headline: Indigenous invention

PLUS POINTS

Indigenous invention



Researchers at the Indian Institute of Technology-Madras have developed a solar-powered unmanned autonomous survey craft for Indian ports and inland waterways. It can undertake autonomous hydrographic and oceanographic surveys and provide real-time data transmission over long distances.

The system can be equipped with an echo sounder, GPS system and broadband communication technology, capable of delivering precise depth measurements. In addition to an echo sounder and GPS system, it is possible to add additional oceanographic payloads (current and velocity measurements), 360-degree camera, LIDAR for seamless topography and bathymetry measurements. The autonomous survey craft was developed by a research team at the National Technology Centre for Ports, Waterways and Coasts in IIT-Madras.

Professor K Murali, Professor In-Charge, NTC,PWC, IIT-Madras, said, "This is a significant leap towards indigenisation of the Indian maritime sector, which is currently dominated by foreign technology. The craft can deliver precise and accurate depth measurements even in very shallow waters. this autonomous survey craft will help to meet the increasing demands for volume and efficiency as ships are becoming larger, with maximum loading to ensure most efficient operations."

Murali, who is also the head, department of ocean engineering, IIT-Madras, said, "The craft can undertake autonomous hydrography surveys at different times of the day to identify the navigable paths that can be used for operational window and navigational guidance. It has been developed to carry out survey operations in areas such as ports, harbours, waterways, dams, lakes, lagoons and other shallow water zones. It can be operated in manual mode by a remote-control setup or as a fully autonomous vehicle."

In addition, it can help some challenges that are being frequently encountered by port administrators in India like:

- Surveys slow down busy heavy traffic and even causing accidents
- Vessels to carry out the survey in the shallow area
- The high cost for periodical channel surveys

The craft is fully solar-powered. It can work five to several more hours depending on user requirements.

The research team included Murali, D Leo (principal scientist, NTC,PWC) and D Kumaran Raju (Principal Scientist, NTC,PWC). The survey craft development is part of the research funding provided to the NTC,PWC by the Union ministry of shipping. The craft had a successful field-test recently off the Chennai coast at Kamarajar Port. Further field trials under harsher environments have been scheduled at Shyama Prasad Mookerjee (SMP) Port, Kolkata.

PROMISING STARTUP

Fabric that can kill bacteria



IMAGINE wearing a protective covering that not only protects you from dust and grime, but claims to block 99 per cent UV rays, 95 per cent air pollution, and inhibits/kills 99 per cent bacteria and viruses!

At the TiE Women Regional Finals, hosted by TiE Hyderabad recently, Hyderabad-based Dibbu Solutions, founded by Deepthi Nathala, was adjudged the first runner up for their product Hecoll, a washable and reusable face mask and headgear that protects us from airborne viruses.

"The fabric is proven and tested against H1N1, Covid-19, Ecoli, and Salmonella and is safe against dust, SO₂, NO₂, pollen and ultraviolet A and B sun rays," says Deepthi, a 2007 IIT-Madras alumni.

Some of their innovative products include Hecoll antiviral fabric and products. According to Deepthi, the one-year-old Hyderabad-based startup manufactures textile using disinfectants. "The fabric is antibacterial, antifungal, anti-dust, anti-pollution and is technically engineered self-disinfectant cotton," shares Deepthi. She moved back to India last year after working in California, USA, and Dubai, UAE. What prompted her to make this product? She says, "Hyderabad's pollution and the scorching tropical sun were too much to bear. I started looking for solu-

tions. Sunscreen was not an option as many brands are getting banned as they use harsh chemicals and 142 billion of plastic waste that is being generated." She adds, "Being a nanotechnologist, I did not support surgical mask and N95 masks which are a disaster to dispose of – millions of contaminated waste – as they are biomedical waste."

Looking for natural solutions, she observed many people wrap dupattas and handkerchiefs around their heads. "Out of curiosity, I sent these samples to National laboratories only to find that they protect only from 10 per cent UV rays and 10 per cent air pollution," she informs.

"Having proof in terms of numbers, we decided to work towards inventing a revolutionary cotton fabric which can block 99 per cent UV rays, kill bacteria and virus upon contact, and filters 95 per cent air pollution," she says.

What does Hecoll mean? "Hecoll stands for 'Head Cover for All'. It is a brand that aims to transform how individuals across the globe view the term 'safety'," answers Deepthi.

The wide range of fabric-based products is technologically advanced, oriented towards 100 per cent sustainability, and is con-



temporary in design. "Firm believes in sustainability, we ensure that all our products are made with material that is completely compostable in 14 weeks."

All the products are stitched by women. Deepthi says, "We employed women who have previously worked as farm-hands and housemaids. We taught them tailoring and stitching."

The fabric comes in seven colours and can be ordered meter wise, or the masks can be bought on Amazon or Flipkart. How long does the effect of the fabric last? Deepthi says, "We recommend using the products for six months with regular wash."

Aiming to expand her business, Deepthi reiterates, "We are a conscious brand – we believe in placing the people and the planet first, striving for meaningful social and ecological impact."

Products

Antiviral mask, handkerchief, cap, headgear for bikers, bandana, baby wraps, sipper mask, stationary pouch, school bag, school uniform with in built hoodie and in built mask, drawstring bag, sling bag, fanny bag, DIY Kit: Buy fabric and stitch cushion cover, curtains, car seat cover, steering sleeve, door handles, law enforcement, construction worker, medical staff uniforms, table spread, serving apron, delivery bags, bedsheets

— Tamanna S Mehdi

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மாற்றுத் திறனாளிகளுக்காக

நவீன சக்கர நாற்காலிகள்

● ஐஐடி இளம் தொழில்முனைவோர் உருவாக்கினர்

■ சென்னை மாற்றுத் திறனாளிகள் எளிதாக பயன்படுத்தும் வகையில் சென்னை ஐஐடி இளம் தொழில் முனைவோர், பல்வேறு வசதிகளுடன் கூடிய நவீன சக்கர நாற்காலிகளை உருவாக்கியுள்ளனர்.

சென்னை ஐஐடி மாணவர்கள் பலர் அண்மைக் காலமாக படித்து முடித்ததும் வேலையில் சேருவதை விரும்பாமல் புதுமையான தொழில் நிறுவனங்களை (ஸ்டார்ட் அப்) தொடங்குவதில் ஆர்வமாக உள்ளனர். அந்த வகையில் ஐஐடி மாணவரால் கடந்த 2015-ம் ஆண்டு தொடங்கப்பட்ட நியோ மோஷன் நிறுவனம், மாற்றுத் திறனாளிகள் எளிதாக பயன்படுத்தும் வண்ணம் நவீன சக்கர நாற்காலிகளை

உருவாக்கியுள்ளது. ஏற்கெனவே சக்கர நாற்காலிகளை பயன்படுத்தி வரும் மாற்றுத் திறனாளிகளுடன் கலந்தாலோசித்து அவர்களின் விருப்பங்களை அறிந்து இந்த புதுமையான சக்கர நாற்காலிகள் வடிவமைக்கப்பட்டுள்ளன.

வரப்பிரசாதம்

நியோ-பிளை, நியோ போல்ட் என்ற அந்த இரு சக்கர நாற்காலிகளும் மோட்டாரில் இயங்கக் கூடியவை. வசதியாக அமர்ந்து கொண்டு பயணம் செய்யும் வகையில் உருவாக்கப்பட்டுள்ள இந்த மின்மோட்டார் சக்கர நாற்காலிகள், மாற்றுத் திறனாளிகளுக்கு வரப்பிரசாதமாக இருக்கும் என்று கூறப்படுகிறது.

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Media: The Hindu Business Line
Edition: Online
Journalist: Hemani Sheth
Alumni: Swostik Sourav Dash

Headline: Three Indian startups get grants from Prosus to build assistive tech for differently-abled

URL: <https://www.thehindubusinessline.com/news/variety/three-indian-startups-get-grants-from-prosus-to-build-assistive-tech-for-differently-abled/article33231645.ece>

The grant received from SICA will help these start-ups - Sohum, NeoMotion and Stamurai - to further their vision.

Bengaluru-based entrepreneur Nitin Sisodia wanted to build a simple technology that can detect hearing impairment amongst infants and small children and "prevent a disability for a lifetime." Sisodia can now invest further in scaling up this solution and creating awareness about hearing disabilities in developing countries with new funding received as part of the inaugural Prosus Social Impact Challenge for Accessibility (Prosus SICA).

Sisodia's Sohum Innovation Labs and two other Indian start-ups have secured a combined grant of ₹55 lakhs to scale up their solutions to assist the differently-abled as part of the Prosus SICA. Prosus, the global consumer internet group of Naspers, in collaboration with Invest India, Startup India and Social Alpha had launched SICA in August. It is a social impact investing challenge where start-ups with the most innovative solutions in the assistive technology space had competed for an annual grant.

Prosus has committed ₹16,500,000 over three years to the initiative. It had announced the winners on December 2 ahead of the International Day of People with Disabilities.

The first prize has been awarded to Sohum Innovation Labs. Founded by Swostik Sourav Dash, Chennai-based NeoMotion, which makes bespoke wheelchairs has grabbed the second spot in the challenge, followed by New-Delhi based Stamurai. Stamurai is a mobile app which addresses speech and language disabilities. It has been co-founded by Meet Singhal, Anshul Agarwal and Harsh Tyagi.

The ideas that won big

Sisodia, who started his journey in healthcare with the Stanford India by design program had observed an "unmet clinical need" while working at AIIMS.

"I came across this particular need when I was in a child development clinic. A parent walked in with their five-year-old child from Hisar, in Haryana. And they said, "Humara Baccha Bolta Nahi Hai, he's not able to speak" and as the doctor examined the child, he said, "He's not able to hear that's why he's not able to speak. Ye Sunta Nahi Hai Isliye Bolta Nahi Hai, and it's already too late to do any intervention," explained Sisodia.

"I went through the information and realized that close to 8 lakh such babies are born all over the world, and 90 per cent of them are born in the developing world. And they remain without hearing screening any further intervention early on, and they lose their speech for a lifetime," he added. From this experience was born the idea of a simple technology which can screen infants and small children for hearing disabilities. The technology is based on capturing brainwaves to detect a signal and screen children for hearing disabilities.

"This is the gold standard technology which is used in the US or UK. This is based on the same principles, but we have innovated to make it work in noisy environments. Any healthcare worker can

use it with minimal training; it does not require expensive disposables. It is very affordable for any rural or Primary Health Care Centre," he said.

The primary challenges faced by Sisodia and his team were in terms of hiring the right talent within India to build the technology along with funding.

"Our mandate is to screen every baby no matter where she or he is born, and make sure that they get early intervention and support so that we can avoid the disability from the society," he said. Dash, an alumnus of IIT Madras and a mechanical engineer by training, started his journey in 2015. The solution that took the second spot was based on two critical observations made by the founder while working with his alma mater on a project.

"Our first observation was that every year close to three lakh wheelchairs are sold in India, 95 per cent of them will be of the concept of one size fits all," said Dash explaining how this impacts their ability to move around and their posture.

The second issue was minimal outdoor mobility.

"If you need to decide to go out, you just simply walk out. But for a wheelchair user, it's a planned activity," Dash added.

Neofly and Neobolt

Born out of these key problems were Neofly and Neobolt. Neofly is a customized wheelchair which is built based on the health and lifestyle of the user. There are 18 customizations available.

"It is easy to cover three to five times more distance for every push. It's 30 per cent compact, which means without doing any infrastructural changes, things are accessible, narrow lifts, narrow bathrooms, they become accessible," Dash further said.

The solution follows the eight-step guidelines set by WHO.

The second product is called Neobolt. It's an attachment unit, which converts the wheelchair into a bike. It is powered by a battery and travels 30 kilometres per charge.

The product "can be taken on all sorts of Indian roads, has suspensions and all the features that are that in a bike," said Dash.

The products have so far assisted users in completing half marathons, enabled another user in bettering her posture and overcoming her back pain to participate in sports events and has helped a quadriplegic user travel to the United States and manage his trip by himself.

"We started our commercial sales in November 2019. As of today, we have delivered 220 units across 24 states in India," said Das.

While Sisodia and Dash's innovations are born out of exploring the world of healthcare, Stamurai has born out of the founders' personal experience.

"We are three co-founders; all three of us are IIT Delhi graduates. And two of us stutter ourselves, including me," Singhal explained.

"I've been stuttering since I was a child. And it has had a great impact on my personal life, my social life, my career choices, and I never had access to good speech therapy. So is the case with Anshul, the other co-founder," he added.

"Around two and a half, three years back, I was helping Anshul with his speech, when we came up with this idea that maybe we could codify the entire experience, making speech therapy,

accessible, affordable and high quality. And so, we started on this journey," Singhal detailed Stamurai's journey.

The app is live on Android and iOS. It is made up of instructional videos to teach speech therapy exercises, tools to help people practice those exercises, and a community of users which acts as a self-help group for other users. So far, the app has over 30,000 installs from across the globe. Stamurai follows a subscription-based business model.

The initial learning material on the app was based on Singhal's learnings.

"I have been practising self-therapy on myself for the past seven, eight years.

When we started off, it was me and my reading of the speech therapy books, to which we created the initial training plan. But over time we arrived, we have hired consultants, both in India and the US. And now we also have full-time speech therapists on board," added Singhal.

The way ahead

The grant received from SICA will help these start-ups further their vision. Sohum, NeoMotion and Stamurai will receive grants of ₹2,500,000, ₹1,800,000 and ₹1,200,000, respectively.

Sohum plans to invest the grant in "different gamuts apart from the product" to ensure that more babies are screened. The entrepreneur is also planning to expand the technology to more developing countries outside of India.

"We want to provide this technology to the rest of the world. Starting from other developing countries, we have started operating in Africa, in Tanzania and Uganda. And we are looking to expand in Southeast Asia and also some of the other neighbouring countries," Sisodia said. Dash, like Sisodia, will invest the funds received by NetMotion in creating market awareness for the product.

"A large part of this fund would go into creating awareness in the market. These are intangible investments that we need to do so that the market is created, the awareness is there, and which gives us returns in the longer term," he said.

Dash aims to reach close to one lakh users every year by 2025 and expand the product portfolio. Stamurai's goal is to expand further by going deep into stuttering itself and add more exercises apart from including other speech disorders as well into the app.

Apart from these three startups, in the fourth and fifth place are Cogniable and Thinkerbell Labs. All five startups will be inducted into a new Prosus SICA mentorship programme.

The challenge had witnessed participation from over 200 startups across the country. The top startups were selected by a specialist and expert jury which evaluated a range of attributes, such as the underlying issue being addressed by each startup, product scalability, market feasibility, outcomes of clinical trials and accessibility for the ultimate beneficiaries.

"It is actually a matter of pride for us, to have three top startups that are doing such great work. And it only reinforces and reiterates for us the idea behind this initiative, that there is a strong business case for supporting innovation entrepreneurs, and assistive technologies that need to go out into this world," said Sehraj Singh, Director, Public Policy and Corporate Affairs, India, Prosus.

Date: 3rd December 2020

Media: UNI

Edition: Online

Journalist: NA

Professor: Prof. A. Thillai Rajan Prof. G. Arun Kumar and Prof. Saji Mathew

Headline: Kamal Haasan releases book 'Thoduvanam Thedi' authored by IIT-Madras faculty

URL: <http://www.uniindia.com/~kamal-haasan-releases-book-thoduvanam-thedi-authored-by-iit-madras-faculty/States/news/2252934.html>

Actor and Makkal Needhi Maiam president Kamal Haasan on Thursday released 'Thoduvanam Thedi', a book authored by Indian Institute of Technology Madras faculty members. The book aims to help grassroots-level entrepreneurs enhance success and sustain their businesses, a statement from the institute said.

After releasing the book, Hassan said, "Thoduvanam Thedi, with its easy to understand narrative, will inspire first-generation entrepreneurs raring to reach great heights." IIT-M faculty undertook a programme in 2016 to enhance the creditworthiness of micro, marginal, and women entrepreneurs through training. It was implemented in partnership with 'Hand in Hand India,' a non-profit organisation.

To take the programme to more people, IIT-M faculty Thillai Rajan, G Arun Kumar and Saji Mathew created an edited collection of articles in Tamil by faculty members and mentors. The book is published by Vaanavil publications.

Date: 3rd December 2020

Media: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. A. Thillai Rajan, Prof. Ashok Jhunjhunwala

Headline: IIT Madras Management Faculty Author Book to help Grassroots Entrepreneurs Succeed

URL: <https://skilloutlook.com/education/iit-madras-management-faculty-author-book-to-help-grassroots-entrepreneurs-succeed>

Indian Institute of Technology Madras faculty have authored a book to help grassroots entrepreneurs enhance the success and sustainability of their businesses. A video of the event can be downloaded using the following link – <https://fromsmash.com/S-2wMgGuR6-dt>

Prof. A. Thillai Rajan, Prof. G. Arun Kumar and Prof. Saji Mathew from Department of Management Studies, IIT Madras, undertook a pioneering program in 2016 to train micro and grassroots entrepreneurs as a part of socially-relevant projects of the institute. It was implemented in partnership with 'Hand in Hand India,' a non-profit organization, with around 400 entrepreneurs in and around Kanchipuram district near Chennai having benefited.

Releasing the book at a function held today (3rd December 2020) at IIT Madras Research Park, Actor Politician Mr. Kamal Hassan said, *"Thoduvanam Thedi,' with its easy-to-understand narrative, will inspire the first-generation entrepreneurs raring to reach greater heights to realize their dreams. This publication will also help business students and common man to understand the nuances of running a business."*

The objective of the IIT Madras initiative was to pioneer a social concept to enhance the creditworthiness of micro, marginal women entrepreneurs through training and development. The program had several unique features such as being conducted in Tamil, with experienced faculty members, successful entrepreneurs as mentors, and a credit facilitation process as well.

In order to reach out to more grassroots entrepreneurs across Tamil Nadu, Prof. Thillai Rajan, Prof. G. Arun Kumar, and Prof. Saji Mathew have come out with an edited collection of articles written in Tamil by faculty members and mentors who interacted with the participants in the program. The book is titled as 'Thoduvanam Thedi' (Tamil for 'In Search of the Horizon'). The book is being published by Vaanavil publications.

As a part of this IIT Madras initiative, participants were provided hands-on high impact training on various functions of business and management to enhance the growth and profitability of their businesses run by the entrepreneurs. This was followed by a six-month mentorship program to ensure the implementation of the program learning in their own business practices. This was followed by a credit facilitation process for motivated entrepreneurs from various financial institutions and banks. Speaking on the occasion, Prof. A. Thillai Rajan said, *"The objective of 'Thoduvanam Thedi' is to synthesize and consolidate the lectures of the entrepreneurship development program in print form so that it is easily accessible to the large number of entrepreneurs who could not participate in the program because of locational or other constraints. We believe that by publishing the contents in a book form, we will leave behind a legacy for the entrepreneur community."*

Further, Dr. Kalpana Shankar, Chairperson, Hand in Hand India, which was closely involved with IIT Madras in implementing the program, said, *"I have seen thousands of men and women who want to create history as entrepreneurs. 'Thoduvanam Thedi' will be an excellent guide to realize their dreams. It is laudable that the book presents a path to success in a way that can be easily consumed by a micro and small business entrepreneur."*

Lauding the efforts of the authors for bringing out this much-needed compilation, C. Nagarajan, IAS, Director, Entrepreneurship Development and Innovation Institute (EDII), Government of Tamil Nadu said, "*Micro and small business entrepreneurs play a huge role in the economic growth of the country. 'Thoduvanam Thedi'* shares several strategies to overcome the challenges faced by medium, small and micro business entrepreneurs to lead their enterprises to success."

Traditionally, the mention of the term 'entrepreneur' is associated with founders of fast-growing innovative and technology companies that have turned household names in due course of time. However, beyond the limelight, there are nameless, faceless entrepreneurs at the bottom of the pyramid who play an important role in delivering the essential products and services that are used in daily lives.

Much of the innumerable need-based products and services that we consume – groceries, vegetables, hairdressing, foods and snacks, pharmacy, mobile phone repairs and servicing, dairy products, courier services, bottled water distribution, tailoring, and equipment servicing, among others, are offered by the micro-entrepreneurs. These entrepreneurs have moved beyond viewing their enterprise as just livelihood support to bigger aspirations of generating jobs and scaling up, to create a bigger impact with their broader business outlook.

'Thoduvanam Thedi' makes a unique attempt at concisely presenting in a book format, relevant business concepts applicable to this segment of the entrepreneurs. Entrepreneurs into any form of trade, irrespective of their educational background and size of their enterprise can benefit from the business basics addressed in this book. Apart from entrepreneurs, potential entrepreneurs and business students will also find the contents useful for a clearer understanding of the concepts.

Tour of IIT Madras Research Park and Deep-tech Incubation Ecosystem

Subsequent to the book release, Shri Kamal Haasan was given a brief tour of the IITM Research Park and Incubation Ecosystem by Professor Ashok Jhunjunwala, Institute Professor and Professor In-Charge of the IITM Research Park.

Prof. Ashok Jhunjunwala highlighted the objectives of the Research Park – innovation, Industry-Academia collaboration, enabling R&D focussed on commercialisation of technology and supporting startups. About 200 deep-tech startups have been incubated at the IIT Madras incubation cell across industry sectors – ranging from AI and Electric Vehicles to Water treatment, Waste management and technologies for Rural entrepreneurs. Shri. Kamal Haasan interacted with a few entrepreneurs including Dr Prabhjot Kaur, Chief Executive Officer, Esmi Solutions, Sabarinath Nair, CEO Skillveri Solutions and Shreeram Ravichandran, CEO of Modulus Housing and Dr Tamaswati Ghosh, CEO, IIT Madras Incubation Cell.

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Date: 3rd December 2020

Media: ETV Bharat

Edition: Online

Journalist: NA

Professor: Prof. A. Thillai Rajan, Prof. Ashok Jhunjhunwala

Headline: IIT Madras faculty authors' book to help grassroots entrepreneurs succeed

URL: <https://www.etvbharat.com/english/national/state/tamil-nadu/iit-madras-faculty-authors-book-to-help-grassroots-entrepreneurs-succeed/na20201203185204025>

Indian Institute of Technology Madras faculty have authored a book to help grassroots entrepreneurs enhance the success and sustainability of their businesses. A video of the event can be downloaded using the following link – <https://fromsmash.com/S-2wMgGuR6-dt>

Prof. A. Thillai Rajan, Prof. G. Arun Kumar and Prof. Saji Mathew from Department of Management Studies, IIT Madras, undertook a pioneering program in 2016 to train micro and grassroots entrepreneurs as a part of socially-relevant projects of the institute. It was implemented in partnership with 'Hand in Hand India,' a non-profit organization, with around 400 entrepreneurs in and around Kanchipuram district near Chennai having benefited.

Releasing the book at a function held today (3rd December 2020) at IIT Madras Research Park, Actor Politician Mr. Kamal Hassan said, *"Thoduvanam Thedi,' with its easy-to-understand narrative, will inspire the first-generation entrepreneurs raring to reach greater heights to realize their dreams. This publication will also help business students and common man to understand the nuances of running a business."*

The objective of the IIT Madras initiative was to pioneer a social concept to enhance the creditworthiness of micro, marginal women entrepreneurs through training and development. The program had several unique features such as being conducted in Tamil, with experienced faculty members, successful entrepreneurs as mentors, and a credit facilitation process as well.

In order to reach out to more grassroots entrepreneurs across Tamil Nadu, Prof. Thillai Rajan, Prof. G. Arun Kumar, and Prof. Saji Mathew have come out with an edited collection of articles written in Tamil by faculty members and mentors who interacted with the participants in the program. The book is titled as 'Thoduvanam Thedi' (Tamil for 'In Search of the Horizon'). The book is being published by Vaanavil publications.

As a part of this IIT Madras initiative, participants were provided hands-on high impact training on various functions of business and management to enhance the growth and profitability of their businesses run by the entrepreneurs. This was followed by a six-month mentorship program to ensure the implementation of the program learning in their own business practices. This was followed by a credit facilitation process for motivated entrepreneurs from various financial institutions and banks. Speaking on the occasion, Prof. A. Thillai Rajan said, *"The objective of 'Thoduvanam Thedi' is to synthesize and consolidate the lectures of the entrepreneurship development program in print form so that it is easily accessible to the large number of entrepreneurs who could not participate in the program because of locational or other constraints. We believe that by publishing the contents in a book form, we will leave behind a legacy for the entrepreneur community."*

Further, Dr. Kalpana Shankar, Chairperson, Hand in Hand India, which was closely involved with IIT Madras in implementing the program, said, *"I have seen thousands of men and women who want to create history as entrepreneurs. 'Thoduvanam Thedi' will be an excellent guide to realize their dreams. It is laudable that the book presents a path to success in a way that can be easily consumed by a micro and small business entrepreneur."*

Lauding the efforts of the authors for bringing out this much-needed compilation, C. Nagarajan, IAS, Director, Entrepreneurship Development and Innovation Institute (EDII), Government of Tamil Nadu said, "*Micro and small business entrepreneurs play a huge role in the economic growth of the country. 'Thoduvanam Thedi'* shares several strategies to overcome the challenges faced by medium, small and micro business entrepreneurs to lead their enterprises to success."

Traditionally, the mention of the term 'entrepreneur' is associated with founders of fast-growing innovative and technology companies that have turned household names in due course of time. However, beyond the limelight, there are nameless, faceless entrepreneurs at the bottom of the pyramid who play an important role in delivering the essential products and services that are used in daily lives.

Much of the innumerable need-based products and services that we consume – groceries, vegetables, hairdressing, foods and snacks, pharmacy, mobile phone repairs and servicing, dairy products, courier services, bottled water distribution, tailoring, and equipment servicing, among others, are offered by the micro-entrepreneurs. These entrepreneurs have moved beyond viewing their enterprise as just livelihood support to bigger aspirations of generating jobs and scaling up, to create a bigger impact with their broader business outlook.

'Thoduvanam Thedi' makes a unique attempt at concisely presenting in a book format, relevant business concepts applicable to this segment of the entrepreneurs. Entrepreneurs into any form of trade, irrespective of their educational background and size of their enterprise can benefit from the business basics addressed in this book. Apart from entrepreneurs, potential entrepreneurs and business students will also find the contents useful for a clearer understanding of the concepts.

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Date: 3rd December 2020

Media: India Education Diary

Edition: Online

Journalist: NA

Professor: Prof. A. Thillai Rajan, Prof. G. Arun Kumar, Prof. Saji Mathew and Prof. Ashok Jhunjhunwala

Headline: IIT Madras Management Faculty Author Book to help Grassroots Entrepreneurs Succeed

URL: <https://indiaeducationdiary.in/iit-madras-management-faculty-author-book-to-help-grassroots-entrepreneurs-succeed/>

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Date: 3rd December 2020

Media: India Times

Edition: Online

Journalist: Somak Adhikari

Alumni: Deepthi Nathala

Headline: An IIT-Madras Alumnus Has Made A Fabric, Claims It Can Kill Bacteria And Airborne Viruses

URL: <https://www.indiatimes.com/news/india/an-iit-madras-alumnus-has-made-a-fabric-claims-it-can-kill-bacteria-and-airborne-viruses-528886.html>

Deepthi Nathala has come up with a product called 'Hecoll'. It is a washable and reusable face mask and headgear that protects us from airborne viruses. She is the founder of Hyderabad-based Dibbu Solutions and her innovation got 2nd place at the TiE Women Regional Finals, hosted by TiE Hyderabad as per a report in **The New Indian Express**.

Deepthi is an alumnus of **IIT-Madras** of the 2007 batch. She says her product can block 99% UV rays and 95% air pollution too.

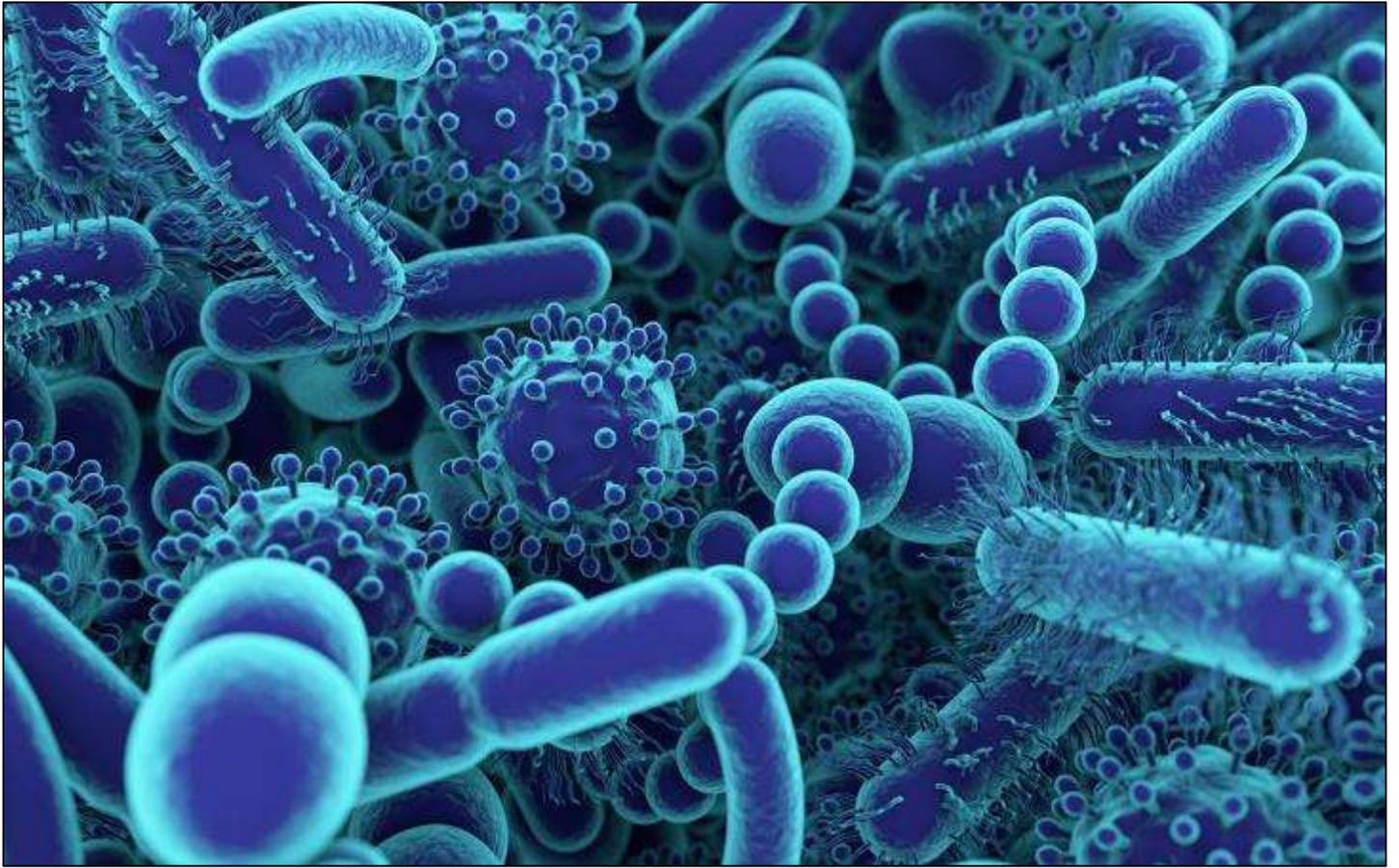
"The **fabric** is proven and tested against H1N1, Covid-19, Ecoli, and Salmonella and is safe against dust, SO₂, NO₂, pollen and ultraviolet A and B sun rays," she said.



© Provided by Indiatimes EPS

"Hyderabad's pollution and the scorching tropical sun were too much to bear. I started looking for solutions. Sunscreen was not an option as many brands are getting banned as they use harsh chemicals and 142 billion of plastic waste that is being generated," she added.

"Being a nanotechnologist, I did not support surgical mask and N95 masks which are a disaster to dispose of – millions of contaminated waste – as they are biomedical waste," she went on to say.



© Provided by Indiatimes Microbioz

She moved back to India in 2019 after working in USA and UAE.

This is a nice innovation and could be an effective way to walk around safely. Especially at a time COVID is a major threat to us every step of the way.

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Media: MSN

Edition: Online

Journalist: Somak Adhikari

Alumni: Deepthi Nathala

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URL: <https://www.msn.com/en-in/news/trendingtopics/an-iit-madras-alumnus-has-made-a-fabric-claims-it-can-kill-bacteria-and-airborne-viruses/ar-BB1bAy1E>

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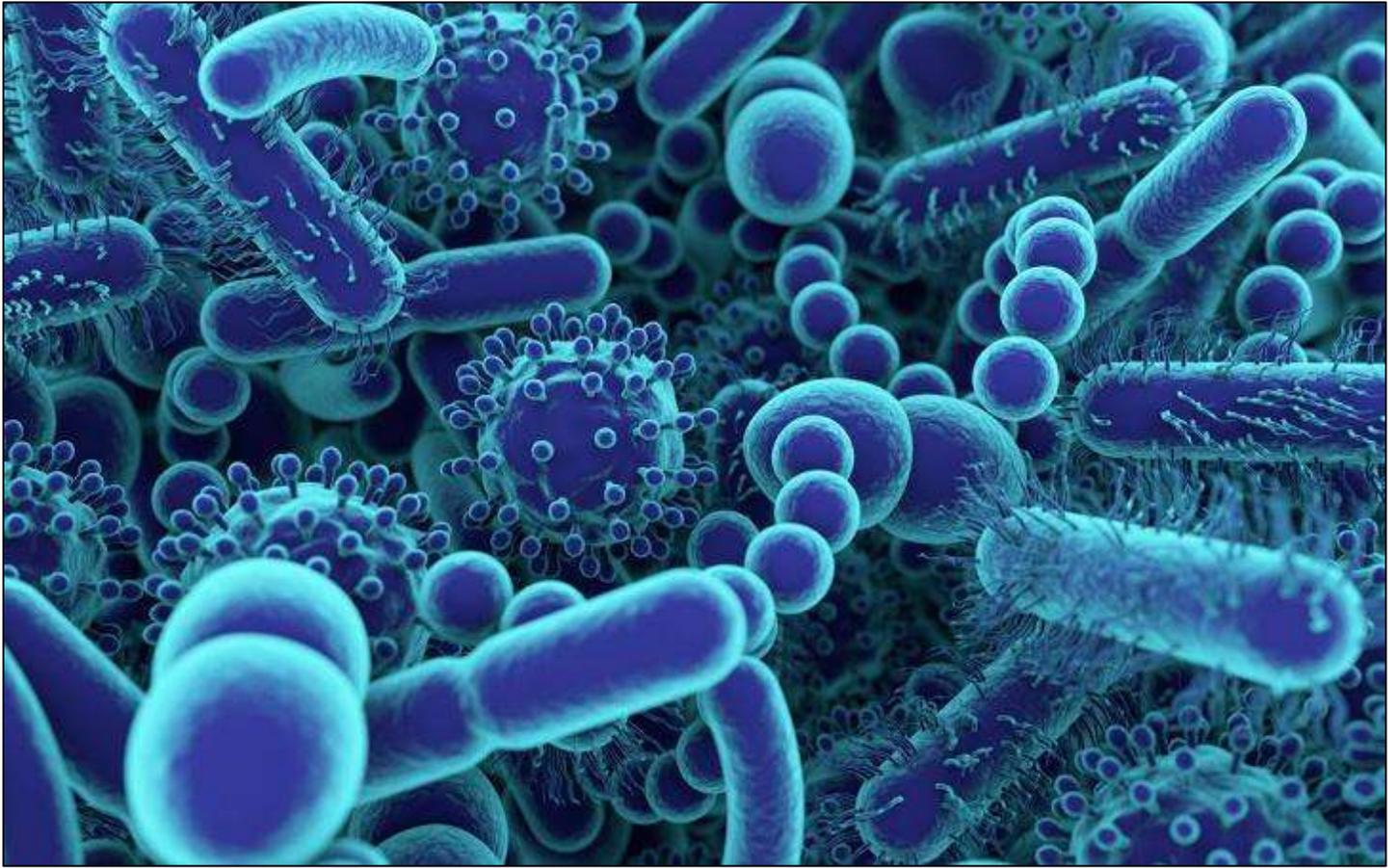
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Date: 4th December 2020

Media: Deccan Chronicle (clip attached)

Edition: Chennai

Page No: 2

Journalist: NA

Professor: Prof. A. Thillai Rajan, Prof. G. Arun Kumar and Prof. Saji Mathew

Spokesperson: Kamal Hassan

Headline: IIT-M releases book to help entrepreneurs

IIT-M releases book to help entrepreneurs

DC CORRESPONDENT
CHENNAI, DEC. 3

Thoduvanam Thedi, a book authored by Indian Institute of Technology Madras (IIT-M) professors to help grassroots entrepreneurs enhance the success and sustainability of their businesses, was released on Thursday.

Written by Prof. A. Thillai Rajan, Prof. G. Arun Kumar and Prof. Saji Mathew from Department of Management Studies, IIT-M, the book was launched by Kamal Haasan in a

ceremony held at IIT-M campus.

Kamal said that the book would inspire the first-generation entrepreneurs raring to reach greater heights to realize their dreams and understand the nuances of running a business.”

The book includes an edited collection of articles written in Tamil by faculty members and mentors who interacted with the participants of a pioneering training program IIT-M conducted in 2016 to train micro and grass-

roots entrepreneurs as a part of socially-relevant projects of the institute.

It was implemented in partnership with ‘Hand in Hand India,’ a non-profit organization, with around 400 entrepreneurs in and around Kanchipuram district near Chennai having benefited.

The objective of the IIT-M initiative was to pioneer a social concept to enhance the creditworthiness of micro, marginal women entrepreneurs through training and development.

Date: 4th December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Professor: Prof. A. Thillai Rajan, Prof. G. Arun Kumar, Prof. Saji Mathew and Prof. Ashok Jhunjunwala

Headline: Small businessmen are more important than corporates: Kamal

URL: <https://www.thehindu.com/news/national/tamil-nadu/small-businessmen-are-more-important-than-corporates-kamal/article33244447.ece>

Launch event for the book *Thoduvanam Thedi* held at IIT-Madras

Small businessmen are more important to the State and the country than corporate companies, actor-politician Kamal Haasan said here on Thursday.

At a book launch at the Indian Institute of Technology-Madras, he said the book, written in Tamil, opened his eyes to what he had been talking about but not acting on. He appreciated the book *Thoduvanam Thedi* (In search of the horizon), jointly authored by A. Thillai Rajan, G. Arun Kumar and Saji Mathew, saying it reached out to those who aspire to but did not know how to move ahead.

"These kinds of tools that you put in the hands of thinking minds become formidable weapons that will change the fate of our country. I truly believe that a small businessman is more important to India, especially Tamil Nadu. We are not averse to billion-dollar companies. Everything starts small and it is very important to respect that small entrepreneur. The individual matters whether it is satyagraha or small business. It is important to help realise their dreams," Mr. Haasan said.

Socially-relevant project

The authors, who are professors in the Department of Management Studies at the institute, undertook a programme in 2016 to train micro and grassroots entrepreneurs as part of socially-relevant projects of the institute. The project was implemented in partnership with Hand in Hand India, a non-profit organisation with around 400 entrepreneurs in and around Kancheepuram district. The book has been published by Vaanavil Publications.

Mr. Thillai Rajan said the objective of the book was to synthesise and consolidate the lectures of entrepreneurship development programmes in print and make it accessible to entrepreneurs who could not participate in the programme. "We believe that by publishing the contents in a book form we will leave behind a legacy for the entrepreneur community," he said.

Kalpna Shankar, chairperson of Hand In Hand India, said the book presented a path to success in a way that could be easily consumed by a micro and small business entrepreneur.

C. Nagarajan, director of the Entrepreneurship Development and Innovation Institute, said the book shared strategies to overcome challenges faced by small-, medium- and micro-business entrepreneurs.

Date: 4th December 2020

Media: The New Indian Express (clip attached)

Edition: Chennai

Page No: 7

Journalist: NA

Professor: Prof. A. Thillai Rajan, Prof. G. Arun Kumar, and Prof. Saji Mathew

Headline: Kamal launches IIT-M faculty's book

URL: <https://www.newindianexpress.com/states/tamil-nadu/2020/dec/04/kamal-haasan-launches-iit-madras-facultys-book-2231560.html>

Kamal launches IIT-M faculty's book

EXPRESS NEWS SERVICE

@ Chennai

ACTOR and Makkal Needhi Maiam president Kamal Haasan on Thursday released 'Thoduvanam Thedi', a book authored by Indian Institute of Technology Madras faculty members. The book aims to help grassroots-level entrepreneurs enhance success and sus-

tain their businesses, a statement from the institute said.

After releasing the book, Hassan said, "Thoduvanam Thedi, with its easy to understand narrative, will inspire first-generation entrepreneurs raring to reach great heights."

IIT-M faculty undertook a programme in 2016 to enhance the creditworthiness of micro, marginal, and women entrepre-

neurs through training. It was implemented in partnership with 'Hand in Hand India,' a non-profit organisation.

To take the programme to more people, IIT-M faculty Thillai Rajan, G Arun Kumar and Saji Mathew created an edited collection of articles in Tamil by faculty members and mentors. The book is published by Vaanavil publications.

Date: 4th December 2020

Media: Dinamani (Tamil) (clip attached)

Edition: Chennai

Page No: 7

Journalist: NA

Professor: Prof. A. Thillai Rajan, Prof. Ashok Jhunjunwala

Headline: Kamal Haasan launches IIT-Madras faculty's book



Date: 4th December 2020

Media: BW Education

Edition: Online

Journalist: NA

Professor: Prof. A. Thillai Rajan, Prof. G. Arun Kumar, Prof. Saji Mathew and Prof. Ashok Jhunjunwala

Headline: IIT Madras Management Faculty Author Book To Help Grassroots Entrepreneurs Succeed

URL: <http://bweducation.businessworld.in/article/IIT-Madras-Management-Faculty-Author-Book-To-Help-Grassroots-Entrepreneurs-Succeed/04-12-2020-349897/>

Indian Institute of Technology Madras faculty have authored a book to help grassroots entrepreneurs enhance the success and sustainability of their businesses.

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Date: 4th December 2020

Media: News Today

Edition: Online

Journalist: NA

Professor: Prof. A. Thillai Rajan, Prof. G. Arun Kumar, and Prof. Saji Mathew

Headline: Kamal Haasan releases IIT-M faculty's book

URL: <https://newstodaynet.com/index.php/2020/12/04/kamal-haasan-releases-iit-m-facultys-book/>

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Date: 4th December 2020

Media: ABP Education

Edition: Online

Journalist: NA

Professor: Prof. A. Thillai Rajan, Prof. G. Arun Kumar, and Prof. Saji Mathew

Headline: Book by IIT Madras management professors for grassroots entrepreneurs

URL: <https://www.abpeducation.com/news/book-by-iit-madras-management-professors-for-grassroots-entrepreneurs/cid/1205550>

Indian Institute of Technology Madras faculty have authored a book to help grassroots entrepreneurs enhance the success and sustainability of their businesses.

Prof. A. Thillai Rajan, Prof. G. Arun Kumar and Prof. Saji Mathew from Department of Management Studies, IIT Madras, undertook a pioneering program in 2016 to train micro and grassroots entrepreneurs as a part of socially-relevant projects of the institute. It was implemented in partnership with 'Hand in Hand India,' a non-profit organization, with around 400 entrepreneurs in and around Kanchipuram district near Chennai having benefited.

Releasing the book at a function held today (3rd December 2020) at IIT Madras Research Park, Actor Politician Mr. Kamal Hassan said, "'Thoduvanam Thedi,' with its easy to understand narrative, will inspire the first-generation entrepreneurs raring to reach greater heights to realize their dreams. This publication will also help business students and common man to understand the nuances of running a business."

The objective of the IIT Madras initiative was to pioneer a social concept to enhance the creditworthiness of micro, marginal women entrepreneurs through training and development. The program had several unique features such as being conducted in Tamil, with experienced faculty members, successful entrepreneurs as mentors, and a credit facilitation process as well.

In order to reach out to more grassroots entrepreneurs across Tamil Nadu, Prof. Thillai Rajan, Prof. G. Arun Kumar, and Prof. Saji Mathew have come out with an edited collection of articles written in Tamil by faculty members and mentors who interacted with the participants in the program. The book is titled as 'Thoduvanam Thedi' (Tamil for 'In Search of the Horizon'). The book is being published by Vaanavil publications.

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Date: 4th December 2020

Media: BW People

Edition: Online

Journalist: NA

Professor: Prof. A. Thillai Rajan, Prof. G. Arun Kumar, Prof. Saji Mathew and Prof. Ashok Jhunjunwala

Headline: IIT Madras Management Faculty Author Book To Help Grassroots Entrepreneurs Succeed

URL: <http://bwpeople.businessworld.in/article/IIT-Madras-Management-Faculty-Author-Book-To-Help-Grassroots-Entrepreneurs-Succeed/04-12-2020-349975/>

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Date: 5th December 2020

Media: Echo of India (clip attached)

Edition: Kolkata

Page No: 10

Journalist: NA

Professor: Prof. Raghunathan Rengaswamy

Headline: AUT strengthens bilateral ties with India

AUT strengthens bilateral ties with India

EOI CORRESPONDENT

KOLKATA/NEW DELHI, DEC 4/-- Auckland University of Technology (AUT) continues to strengthen bilateral ties with India through a Memorandum of Understanding (MOU) with India's top ranked technical university and a visit from the Indian High Commissioner.

AUT has signed an MOU with Indian Institute of Technology (IIT) Madras, the first agreement between IIT Madras and any university in New Zealand.

The MOU formalised the well-established history between the two universities which has included joint research activities, funding applications and collaborative post-graduate programmes.

Professor Guy Littlefair, Pro Vice-Chancellor International and Dean of Design and Creative Technologies at AUT said the two institutions are both very much at the fore of innovation and applied research. "The opportunities presented in this partnership will allow both students and staff tremendous prospects to enhance bi-national relations for the benefit of both countries and universities," said Professor Littlefair.

This was endorsed by Professor Raghunathan Rengaswamy, Dean Global Engagement at IIT Madras who said the agreement will allow "mobility of students, joint research and joint supervision of students and collaborative masters and doctoral programmes." The MOU means AUT students will get the opportunity to complete their final year project or internship at the prestigious IIT Madras which is an exciting prospect for all students and especially for those of Indian origin. The MOU was signed virtually and will take effect in 2021.

COVID-19 has meant some planned student exchange initiatives will be delayed; but work is already underway with academics and potential online student internships. Recently, AUT supported IIT Madras as foreign collaborator for joint research funding application with their Department of Science and Technology and the Government of India. New Zealand students will get a chance to do their internships/final year project at IIT madras considering the feel and excitement associated with studying at IIT especially for Indian origin students".

High Commissioner of India His Excellency Muktesh Pardeshi and Second Secretary Paramjeet Singh recently met with AUT Vice-Chancellor Derek McCormack, Professor Guy Littlefair, Indian-origin academics, and international students.

Date: 5th December 2020

Media: Trinity Mirror (clip attached)

Edition: Chennai

Page No: 6

Journalist: NA

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Date: 6th December 2020

Media: Dainik Statesman (Bengali) (clip attached)

Edition: Kolkata

Page No: 2

Journalist: NA

Headline: Auckland University of Technology strengthens bilateral ties with India

অকল্যাড বিশ্ববিদ্যালয়ে শিক্ষা

নিজস্ব প্রতিনিধি— ভারতের শিক্ষার্থীদের বাইরের দেশেও প্রযুক্তি শিক্ষার সুযোগ করে দেওয়ার জন্য অকল্যাড বিশ্ববিদ্যালয় ভারত সরকারের মাধ্যমে বিভিন্ন শিক্ষা প্রতিষ্ঠানের সঙ্গে চুক্তি করেছে। ইতিমধ্যেই মাদ্রাজ আইআইটির সঙ্গে অকল্যাড বিশ্ববিদ্যালয়ের পক্ষে চুক্তি স্বাক্ষরিত হয়েছে।

Date: 7th December 2020

Media: The Hindu Business Line (clip attached)

Edition: Bangalore / Chennai / Hyderabad / Mumbai / New Delhi

Page No: 6

Journalist: Shriya Mohan

Student: Tejas Deolasee, Kavan Savla, Shashwat Sahoo, Yash Patil, Anoubhav Agarwal

Headline: Tech schools go big on innovation

URL: <https://bloncampus.thehindubusinessline.com/engineering/how-innovation-is-being-engineered-at-tech-schools/article33255694.ece>

How innovation is being engineered at tech schools

Engineering colleges are in a race to innovate and spur entrepreneurship, providing rich learning for students along the way

SHRIYA MOHAN

Tejas Deolasee is a final year student of chemical engineering at IIT Madras. But the 22-year-old loves to describe himself as the student executive head of the Centre for Innovation (CFI) at IIT Madras. Started in 2008 as a forum for creative output for the institute's budding engineers, the student-run CFI today buzzes with ideas round the clock. The centre has helped IIT Madras top the Atal ranking of institutes on innovation achievements (ARIIA), for the second consecutive year. ARIIA, an initiative of the Ministry of Education, grades educational institutions on their ability to foster an ecosystem of high quality research, innovation and entrepreneurship.

Apart from three IITs (Madras, Bombay and Delhi), the top ranked institutions included College of Engineering, Pune; Kalinga Institute of Industrial Technology, Khordha; and SR Engineering College, Telangana. But the ARIIA list apart, education experts agree that innovation is no longer seen as the sole preserve of the IITs. In recent years, public and private engineering colleges and universities have jumped on the innovation bandwagon. By setting up technical infrastructure, incubation cells, technological transfer and patent cells, and research parks, they aim to ensure that they don't just churn out graduates with placement poten-



On track: In 2018, IIT Madras students (from left) Kavan Savla, Shashwat Sahoo, Yash Patil and Anoubhav Agarwal developed Artemis, a bot that can detect cracks on railway lines (pic on right) www.course.cri.iitm.ac.in

tial but also innovators and entrepreneurs who generate jobs.

A unique product

"Our motto is: Walk in with an idea and walk out with a product," says Deolasee. With clubs dedicated to specialisations such as 3D printing, techno infotainment, physics and astronomy, robotics, formula racing, aeromodelling and social innovation, the students have a lot to choose from. Typically, a student team either submits a project idea to an existing club or latches on to any of the clubs' ongoing research for some first-hand experience in

product development. Once a prototype is developed, the project moves to pre-incubation for financial support and mentorship. In the final phase the admin-run research park looks at technology transfers, filing for patents and marketing the product.

In the last ten years, nearly a dozen projects incubated at CFI have turned into market innovations. CFI has acquired 19 patents in the last six years. Some of the exciting projects in various stages of incubation include a low-cost bot that can detect cracks in a railway line, a portable text-to-Braille con-

verter, a foldable house for disaster-prone areas, mountaineering gear for the disabled, gas leak detection for chemical engineering industries, a mass river and more. "While it is difficult to turn all projects into full-fledged start-ups, the experience provides for rich learning," says Deolasee.

According to Dr W Selvamurthy, President, Amity Science, Technology and Innovation Foundation, innovation calls for human resource with the right aptitude, research and development infrastructure, and an ecosystem which fosters experiential learning and problem solving.

More than 200 research projects are on at Amity, across its 11 universities in India and 17 abroad, valued at more than ₹100 crore and funded by public and private foundations. "Amity's IPK [Intellectual Property Rights] cell has filed for 1,385 patents in recent years," says Selvamurthy. One of their most successful innovations is a nano silver-based water purification technology. "The product was designed by a multi-disciplinary team at the Amity institute of materials and devices, where a team of budding biologists, engineers, physicists and product designers worked together. If you have to build products and technology, you cannot function in silos," he explains.

Finding raw material

Smaller and newer private universities aren't far behind in this race



to innovate. The autonomous Shri Venkateshwara University, established by the Uttar Pradesh government in 2010, has three multi-disciplinary campuses – in Meerut and Gajraula (UP) and Lekhi village (Jhansi), Uttar Pradesh. It is ready to launch its first innovation and entrepreneurship cell in December at the Meerut campus. "The purpose is to build a platform where students from any stream will learn how to take an idea from start to finish," says Dr Naga Suresh Pasupuleti, Director, international research and collaborations, Venkateshwara group of institutions.

There are several factors spurring engineering and science institutions such as Pasupuleti's to enter the innovation game. Insiders point out that it started with the Make in India, Start-up India and Stand-up India buzzwords uttered by the Prime Minister.

Then followed the NIRF [National Institutional Ranking Framework] and ARIIA rankings coupled with accreditation from The National Assessment and Accreditation Council (NAAC) and the

National Board of Accreditation (NBA), all of which incentivised innovation on campuses. Yet another push came in the form of the central government's schemes to fund innovation cells. The Ministry of micro, small and medium enterprises (MSME) under MHRD and the ASPIRE scheme under Start-up India fund entrepreneurial development through incubators. But the problem is elsewhere.

"Students are mostly swamped by assignments, exams, publications, internships and academic research (and so they cannot) devote their time to innovations. Someone who is onto a successful idea should be exempt from writing an exam or two if he or she is going to be employing 10 others tomorrow," says Pasupuleti, explaining that students are given no more than 10 to 20 hours per semester to work on their innovations.

India moved up from 81st (2015) to 52nd position in 2019 on the Global Innovation Index (GII). With the world's largest youth population (10-24 years), an age group that's typically bubbling with creativity, there is tremendous potential. As Selvamurthy says, the innovation culture should start at home and at schools. It is where our raw material is made.

Read more stories on management, engineering and accountancy on www.bloncampus.com

Date: 7th December 2020

Media: Trinity Mirror (clip attached)

Edition: Chennai

Page No: 3

Journalist: NA

Professor: Prof. A. Thillai Rajan, Prof. G. Arun Kumar, and Prof. Saji Mathew

Headline: IIT faculty author book to help grassroots entrepreneurs

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Date: 7th December 2020

Media: Images Business of Fashion (clip attached)

Edition: Magazine

Page No: 32

Journalist: Akash Ashes

Headline: Post-Pandemic retail: Indian Tech Startup develops for textiles to destroy Coronavirus

where the fabric can maintain the effectiveness even after heavy washes.

IIT Delhi Start-Ups Launch Antiviral Shirts

Two start-ups - E-TEX and Clensta incubated at the Indian Institute of Technology (IIT) - have jointly launched antiviral T-shirts and a COVID-19 protection lotion at an affordable price.

Snapdeal In Partnership With Ottonomy IO To Test Robotic Deliveries In Delhi-Ncr

Indian e-commerce firm Snapdeal has teamed up with Ottonomy IO, a tech start-up known for building autonomous delivery robot fleets, to test robotic deliveries in the Delhi-NCR region.

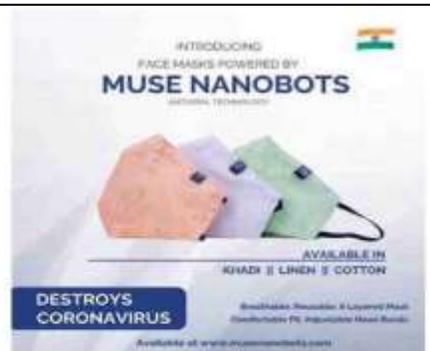


The initiative is for facilitating last-mile contactless delivery using robots that feature a first-of-its-kind in-built disinfectant that sanitizes the packet using ultraviolet rays on its way.

Indian Tech Startup Develops Nanotech Coating For Textiles To Destroy Coronavirus

After IIT-Hyderabad, now IIT-Madras has stepped up to combat the COVID-19 challenge! Muse Nanobots, a tech startup and a subsidiary of Muse Wearables which is also an IIT-

AmicorTM
Anti-Microbial Performance Fibre



Madras-incubated firm have come up with a nanotech coating for textiles. This coating claims to inactivate the coronavirus within 5 minutes of contact.

This nano-coated textile aims to provide enhanced protection as India has started opening businesses after months of COVID-19 lockdown.

Malls Unveil New Features On Its 'Lukout App' To Enable A Safe & Convenient Shopping Experience

One of India's biggest physical marketplace, DLF Malls has unveiled exciting new features on its 'DLF Malls Lukout app' to facilitate a safe and convenient shopping experience for its customers post the lockdown.



Date: 7th December 2020

Media: Business Line on Campus

Edition: Online

Journalist: TE Raja Simhan

Professor: Prof. Bhaskar Ramamurthi, Prof. Ravindra Gettu, Prof. Mohanasankar Sivaprakasam

Alumni: Mr. Shreeram Ravichandran,

Headline: IIT Madras becomes a fount of innovation to take on Covid-19

URL: <https://bloncampus.thehindubusinessline.com/engineering/how-iit-madras-has-become-a-fount-of-innovation/article33271641.ece>

The Covid-19 pandemic since March has brought the world to its knees. Everything came to a screeching halt due to the subsequent lockdowns but inside the sprawling campus at IIT Madras, researchers were working 24/7 to innovate solutions that could help society see through the turbulent times.

In the last six months, the researchers' vigour and passion led to some path-breaking Covid-related innovations. The institute and Helyxon, a healthcare start-up based out of the IIT Madras Research Park, developed and deployed remote patient monitoring solutions for Covid-19. An IIT Madras-incubated start-up — Modulus Housing — developed a portable hospital unit that can be installed anywhere within two hours by four people and researchers at the institute developed nano-coated filters for healthcare workers treating Covid-19 patients.



Research Park, IIT Madras

Each of the three initiatives had a big impact during the pandemic times. Innovation is now the hallmark of IIT Madras.

The remote monitoring device for Covid19 patients, developed by IIT Madras and Helyxon, and claimed to be first-of-its-kind in the market, registers clinically accurate continuous monitoring of four critical parameters — temperature, oxygen saturation, respiratory rate and heart rate. Over 5,000 devices have already been sold in public and private hospitals, and at homes, says Mohanasankar Sivaprakasam, Faculty in-Charge, Healthcare Technology Innovation Centre-IIT Madras, which collaborated with Helyxon to develop and deploy the remote patient monitoring solutions for Covid-19.

The device, that costs ₹2,500 to ₹10,000 depending on the configuration and parameters, is completely self-contained, portable, wireless and can be clipped on to a patient's finger and data is streamed to a mobile phone or central monitoring system. The temperature is measured at the armpit and blood oxygen level, and other parameters on the finger itself. The device is reusable and has a lifetime of over a year.

Portable hospital unit

Modulus Housing developed a portable hospital unit that can be installed anywhere within two hours by four people. Called MediCAB, it is a decentralised approach to detect, screen, identify, isolate and treat Covid-19 patients in their local communities through these portable micro-structures. It is foldable and is composed of four zones – a doctor's room, an isolation room, a medical room/ward and a twin-bed ICU, maintained at negative pressure.

Shreeram Ravichandran, CEO, Team Modulus, said that MediCAB is being deployed at various locations. "Currently, we are building a 100 bedded facility with CSR funding. We have implemented projects with private players, government bodies and NGOs," he said.

MediCABS comes equipped with a prefabrication modular technology and a telescopic frame that allows the model to be shrunk to one-fifth its original size, which makes it convenient for storage and transportation.

The nano-coated filters for workers treating Covid19 patients also has defence applications and other places where air filtration of sub-micron particles is required. It is currently in the process of being field tested in practical applications. The nano-coated filter media has been fabricated by a nylon-based polymer coating on cellulose paper and was developed through the electrospinning process. The coating properties are optimised for efficient removal of sub-micron-sized dust particles in the air.

With such innovations IIT Madras is today a leading research institute in the country.

Driving innovation

So, what drives innovation at IIT Madras? Bhaskar Ramamurthi, Director, IIT Madras, says it is due to the institute proactively encouraging innovations in addition to academic research. Innovations often lead to products and applications of use to society and/or with business potential.



Prof Bhaskar Ramamurthi, Director, IIT Madras

"We have an entire pre-incubation ecosystem on campus with a Centre for Innovation where students can walk in with an idea and walk out with a product, with facilities and funding support to progress with an idea," he said. All the faculty and research scholars at IIT Madras are involved in research with about 50 per cent doing research that also leads to innovations and technologies that can be taken commercial, he added.

The institute's Incubation Cell incubates companies that are able to develop a commercially viable idea or product. For instance, the Gopalakrishnan Deshpande Centre for Innovation and Entrepreneurship takes cohorts of students and faculty in IIT Madras, as well as other Institutes, through a carefully curated programme to discover the route from their nascent idea to a product that the market might be receptive to.

The research funding from the Government of India has been growing at a CAGR of more than 16 per cent in the last five years, while that from industry has been growing even faster at 24 per cent. "Our research intensity therefore is growing rapidly," says the Director. Currently, IIT Madras draws more than ₹500 crore per annum as research funding from the Centre and industry together, he adds.

Commercial value

"The total industry-funded research is now of the order of ₹250 crore. This level of funding implies we are delivering commercial value to the industry. Besides, we are incubating nearly one start-up per week. The combined valuation of our start-ups is now estimated to be close to ₹7,000 crore," he said.

Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras, on the role of industry in research said that it is significant and keeps increasing. Funding and collaboration are important for taking research to the field, keeping it relevant and throwing up problems that need solutions.

Most of the developments funded through research-based industrial research and consultancy go into practice. Research projects funded by grants and a lot of those that form part of student work may

take more time to reach commercial use, and this time varies considerably depending on the area of work and scope, he said.



Around ₹25 crore was earned from the innovations through patents, he said. The IIT Madras Incubation Cell and its sector-specific incubators for biosciences, medical technology and rural technologies continue to incubate companies at the rate of nearly one per week, with a total portfolio of over 200 start-ups.

The total valuation of IITM incubated start-ups is now in excess of ₹7,000 crore, with 88 start-ups in the market generating revenue of ₹366 crore and created more than 4,000 jobs in the last financial year, said sources at IIT Madras. "All these are deep-technology start-ups that incorporate sophisticated engineering and high-end manufacturing in their products," said an official.

With all the path-breaking work, IIT Madras has put India on the global map in R&D and innovation.

Date: 8th December 2020

Media: The Times of India

Edition: Online

Journalist: Rajesh Chandramouli

Alumni: C Vidyashankar

Headline: This Startup will build your house in three weeks at half the cost

URL: <https://timesofindia.indiatimes.com/companies/this-startup-will-build-your-house-in-three-weeks-at-half-the-cost/articleshow/79614197.cms>

Finishing touches are being given to a 600sqft single bedroom house in a corner near the IIT-Madras cricket ground, inside the sprawling tech campus. From the outside, it's nothing but a small building, but take a step inside and you would see no ordinary brick and mortar structure. The young turks supervising it would tell you it has been created ground up in less than three weeks, at nearly half the cost of traditional construction and is fully 3D printed. Built by Tvasta, a startup founded by three 2016-batch IIT-M mechanical engineering graduates, the structure will open for visitors later this week. "This is the first 3D printed house we made. All we need is a 2D building plan which will be printed out as a house," said C Vidyashankar, co-founder Tvasta Manufacturing Solutions. This unit is a proof of the concept which has come up with financial support from Habitat for Humanity, the USA. It does away with almost everything that is traditional in the construction space. No bricks, no scaffolding, no movement of a large number of construction workers. It is built using proprietary concrete mix, developed by Tvasta which the founders claim is stronger, lighter and more sustainable as it has lesser carbon footprint than traditional material. The concrete setting time in traditional methods is a minimum of 21 days and can go up to 48 days. But, in 3D printing, the green strength of the concrete is achieved within a few minutes, and the overall structure is ready within 7-10 days.

NEWS IN BRIEF
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• Bihar junked APMC Act in '06, but it hasn't benefited farmers
Bihar's farmers got the 'freedom of choices' in selling their produce 14 years ago with the scrapping of the Agricultural Produce Marketing Committee Act in the state in 2006, but that has not yielded better prices for them, an analysis of price trends before and after the scrapping of the Act shows. The gap between farm harvest prices and MSP has either widened or remained same.

• DCGI approves Oxford's Covishield and Bharat Biotech's Covaxin vaccines
The Drugs Controller General of India on Sunday gave nod to two coronavirus vaccines, one developed by AstraZeneca and Oxford University and the other by Bharat Biotech for restricted emergency use. The DCGI allayed concerns over the safety of the vaccines, saying "we'll never approve anything if there's slightest of safety concern." The entire technology developed indigenously in India — machine, material, software — if adopted by the construction sector can transform the housing industry. "The target is the affordable housing segment. We can roll this out for mass adoption," he said. The company has approvals to build units which are ground plus two floors. "We can build taller multiple-storey structures too, but we have approvals to build G+2 for now," he said....we should showcase and use it PM housing scheme.

• Ramesh Reddy Dendhi technology of 'Concrete 3D Printing' is a marriage of machine, material and software evolved from scratch by their in-house think-tank. It is an alternative, capable of pushing the frontiers of the modern-day construction practices, Vidyashankar said. "Our concrete 3D printer is backed by a variety of sub-technologies, (inherent to the printer), for raw material formulation, material handling, extrusion and software control. These have been specifically so designed for modularity and quick adaptation to production requirements," he said. "These sub-systems and associated technologies are in various stages of being patented."

Date: 8th December 2020

Media: UNI

Edition: Online

Journalist: NA

Alumni: Krishna Sumanth Alwala

Headline: IIT-M Startup's 3D Tech to Garments Sector to overcome COVID-19 challenges

URL: <http://www.uniindia.com/news/south/health-tn-garments-sector-3d-tech/2257212.html>

While using professional models is obviously a great way to showcase your products, it isn't always cost-effective. The best alternative option is here. A startup 'TRI3D' has developed software through which you can visualize the outfit.

Simply upload a flat image of a garment on the site <https://tri3d.in/?rc=pr> and get high quality, ecommerce ready, 3D images instantly.

This startup incubated by IIT Madras and NASSCOM has developed the software to help small and medium businesses survive the economic challenges brought about by COVID-19. It helps reduce the hassle of organizing and doing a photoshoot.

The software is convenient for even the small boutique designers and weavers who cannot afford photoshoots. The images generated by TRI3D are acceptable on most of the popular e-commerce websites.

According to the team, as many as 80,000 garments have been digitized and sold using TRI3D's Technology in India, Sri Lanka and Abu Dhabi in the last one year alone. More than 100 new generation entrepreneurs from across 50 locations in India have already deployed this technology.

You just need to simply upload flat images to get high quality, ecommerce ready, 3D images.

Explaining the advantages of this technology, Krishna Sumanth Alwala, Co-founder, TRI3D startup, and an IIT Madras alumnus, said, "The painstaking task of arranging a day-long photoshoot with models having to constantly change in and out of sarees, is easily bypassed. The desired image is generated in a matter of minutes, without any compromise. The quality of the generated image is on par if not superior to the images taken by a photoshoot."

This digital technology will go a long way in ensuring the smaller and medium businesses do not get behind in the digital revolution and are able to re-invent themselves for the pandemic era.

Elaborating on their technology, Nitish Reddy Parvatham, Co-founder, TRI3D startup, and an IIT Bombay Alumnus, said, "A simple picture of a flat piece of a saree is automatically draped onto a model with unchallenged realism, by the power of technology. The photo could also be one of an unstitched dress material and our software will not only 'stitch' the fabric but also visualise it as a finished garment draped onto a model, in a variety of poses."

He also said that many top retail companies have encouraged them and helped them shape the product and its realism. The team worked closely with one of the biggest fashion e-commerce players in India besides a major brand in South India, a couple of the largest saree retailers in Chennai.

TRI3D is currently being used not just by retailers but also wholesalers and manufacturers, B2B distributors and even handloom weavers directly in some cases. It is suitable for anybody who has a saree or a fabric to sell.

They currently have more than 150 active customers from all over India. A lot of them are from remote towns such as Kanjeevaram, Tirupur, Salem, Coimbatore, Mangalagiri, Chirala, Pochampally, Ikkat, Mysore, Nasik, Banaras, and Chanderi, among other places, apart from the metro cities.

Sharing his experiences in using this technology, Prem Vemuluri, Head of Operations, Kalanikethan, one of the largest retail brands in South India, said, "TRI3D made our work easy when we decided to launch our online store. The cataloging process was so simple we could finish one week of work in a single day".

Currently, the software is largely being used by customers to visualize dresses, shirts, trousers, blazers, suits, kurtis, Indian ethnic wear, and home furnishings.

Date: 8th December 2020

Media: Telangana Today

Edition: Online

Journalist: NA

Alumni: Krishna Sumanth Alwala

Headline: IIT Madras startup TRI3D brings Next-Gen 3D Tech to Indian garments sector

URL: <https://telanganatoday.com/iit-madras-startup-tri3d-brings-next-gen-3d-tech-to-indian-garments-sector>

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Date: 8th December 2020

Media: Deccan Herald

Edition: Online

Journalist: ETB Sivapriyan

Alumni: Krishna Sumanth Alwala

Headline: IIT-M and a start-up design technology to help garment sector

URL: <https://www.deccanherald.com/business/technology/iit-m-and-a-start-up-design-technology-to-help-garment-sector-924969.html>

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Date: 9th December 2020

Media: Analytics India Mag

Edition: Online

Journalist: Ambika Chaudhary

Headline: A compilation of Top initiatives by IITs in 2020

URL: <https://analyticsindiamag.com/top-ai-initiatives-by-iits-in-2020-2/>

When it comes to innovations in AI, Tier-1 institutes such as IIT have been trying to leave no stone unturned. IITs have been performing a lot of research work in the field of emerging technologies like AI, machine learning, blockchain, among others. The institutes are also joining hands with the government and various other prominent organisations to launch the Centre of Excellence (CoE), Research & Development Centres (R&Ds), among others.

In this list, we have curated the top AI initiatives, in no particular order, by IIT in the year 2020.

IIT Kharagpur

In January, Indian Institute of Technology, Kharagpur has evolved an AI-aided method to read legal judgements. This AI approach has been created to point out the laws which are being violated. For the solution, the researchers at IITK used two deep neural network models to learn the rhetorical roles of sentences in a legal case judgement.

In November, the institute developed a low-cost AI-based solution for real-time metrological inspection. It consists of a low-cost imaging device as well as an AI-enabled software that can be deployed in the production line to check the quality of the jobs.

The same month, the institute has also announced setting up an AI and machine learning innovation hub — IIT Kharagpur AI4CPS I Hub Foundation. The hub is focused on translating academic research to industrially scalable products and processes, focusing on AI interventions to Cyber-Physical Systems (CPS).

IIT Kanpur

In April, Indian Institute of Technology, Kanpur offered free statistics courses in assistance with professor Shalabh in order to help students stay productive amidst lockdown. The courses included regression analysis, sampling theory, design of experiment and analysis of variance, linear regression analysis and forecasting, introduction to R software, among others.

Further, in November, the institute announced two new free online courses on data science on SWAYAM NPTEL platform. It is a two-part course, which includes essentials of data science with R software — Probability and Statistical Inference and Essentials of Data Science With R Software and Sampling Theory and Linear Regression Analysis.

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IIT Mandi

Not far behind is IIT Mandi, which in March has managed to receive ₹7.25 crores from the Department of Science and Technology to build a technology innovation hub at the institute. The innovation hub is said to focus on human-computer interaction research.

In December, IIT Mandi again joined hands with the Technical Innovation Hub and WileyNXT to launch two six-month executive courses, which are Professional Certification courses in applied AI and full-stack development. The courses will begin accepting applications from next year. These courses

are aimed at early career professionals who are looking at building a career in artificial intelligence and analytics.

IIT Madras

Joining the troops, in February, IIT Madras along with Queen's University Belfast developed an innovative new algorithm to make artificial intelligence fairer and less biased when processing data.

Another initiative was launching an online BSc degree program in data science in August, that claims to produce graduates who will be employable in the sector that presently has high demand – programming and data science.

In September, IIT Madras developed AI models and datasets to process texts in 11 Indian regional languages. For this project, the institute joined hands with AI4Bharat, which is a platform for building AI solutions for problems that are relevant to India.

The following month, the researchers at the institute developed an AI and deep learning algorithm, known as AIsoft. Aiming to address engineering problems, this algorithm has been designed to assist in the fields of thermal management, semiconductors, automobile, aerospace and electronics cooling applications.

Recently, in November, IIT Madras collaborated with the NPTEL platform to launch two new online courses on artificial intelligence, free of costs. The two courses — AI: Constraint Satisfaction and Artificial Intelligence: Knowledge Representation and Reasoning have been designed to help students gain problem-solving capabilities using artificial intelligence.

IIT Roorkee

IIT Roorkee has also participated in advancing AI for many applications. One of such is partnering with US-based CloudxLab to launch an Advanced Certification Course on Deep Learning. This course enables students – as well as professionals – to upskill themselves while being homebound.

Post that, in July, the IIT Roorkee collaborated with WileyNXT and announced the launch of AI in banking programme. According to sources, 'AI in Banking' is a four-month programme that has been designed for existing as well as recently-graduated technology and finance professionals, who aspire to build a career in artificial intelligence and analytics in the banking domain.

In August, IIT Roorkee partnered with Coursera, to launch two new certificate programs— one in artificial intelligence and machine learning, and the other one in data science. The six-month certificate program in AI and ML consists of video lectures, hands-on learning opportunities, team projects, tutorials, and workshops.

Following that, the institute collaborated with TSW, the Executive Education Division of Times Professional Learning to launch a PG Certificate Programme in Data Science and ML. The programme is designed for working professionals to expose their knowledge in machine learning and other related technologies.

Recently, the institute has once again joined hands with WileyNXT to launch another PG certification course, but this time for digital business and eCommerce. The course has been specifically designed for students studying engineering, bachelor and masters of technology, computers and keen to build a career in digital business platforms.

IIT Jodhpur

In October, IIT Jodhpur launched a BTech programme in artificial intelligence and data science from the academic session 2020-21. This new undergraduate programme will have courses in computer science, mathematics, artificial intelligence, machine learning, data science, and their applications in various domains.

IIT Delhi

In the series of launching AI and data science courses, in February, IIT Delhi has also joined in with its new master's programs — MSc in Cognitive Science. According to the institute, this program would be extremely interdisciplinary that includes building on theories and methods from AI, neuroscience, among others.

The institute has further established an independent School of Artificial Intelligence (ScAI) on its campus, in September, that will commence its PhD program from the next admission cycle, i.e. January 2021.

IIT Bombay

Similar to IIT Mandi, in February this year, IIT Bombay joined hands with Bank of Baroda to set up an innovation centre. The innovation centre is aimed to focus on strengthening the relationship between the BFSI sector with emerging technologies.

IIT Hyderabad

In association with TalentSprint, in February, IIT Hyderabad announced the second cohort of Professional Certification Program in Artificial Intelligence and Emerging Technologies for college students and young professionals. This is a six-month program which includes a five-week boot camp at IIT Hyderabad with residential options.

Along with that, the institute collaborated with NVIDIA to launch a technology centre — NVIDIA AI Technology Centre (NVAITC), in order to accelerate research and commercial adoption in artificial intelligence.

IIT Ropar

In the month of June, IIT Ropar also joined hands with TSW and launched a Post Graduate Certificate Programme in Artificial Intelligence & Deep Learning. The programme has a duration of six months and classes are for weekends with live online instructor sessions by IIT-Ropar faculty and notable industry experts.

IIT Gandhinagar

Lastly, in June, IIT Gandhinagar developed an artificial intelligence-based deep learning tool for detection of the notorious virus from X-ray images. This developed online tool indicates the probability if a person is infected with COVID-19.

Date: 9th December 2020

Media: News Today (clip attached)

Edition: Chennai

Page No: 3

Journalist: NA

Headline: Guidelines for floating jetties along coastline issued

URL: <https://newstodaynet.com/index.php/2020/12/08/guidelines-for-floating-jetties-along-coastline-issued/>

Guidelines for floating jetties along coastline issued

New Delhi, Dec 8:

The Ministry of Ports, Shipping and Waterways has compiled the draft guidelines for technical specifications of floating structures, with a vision to set up and deploy world-class floating infrastructure all along the coastline.

The draft guidelines have been put up for public comments.

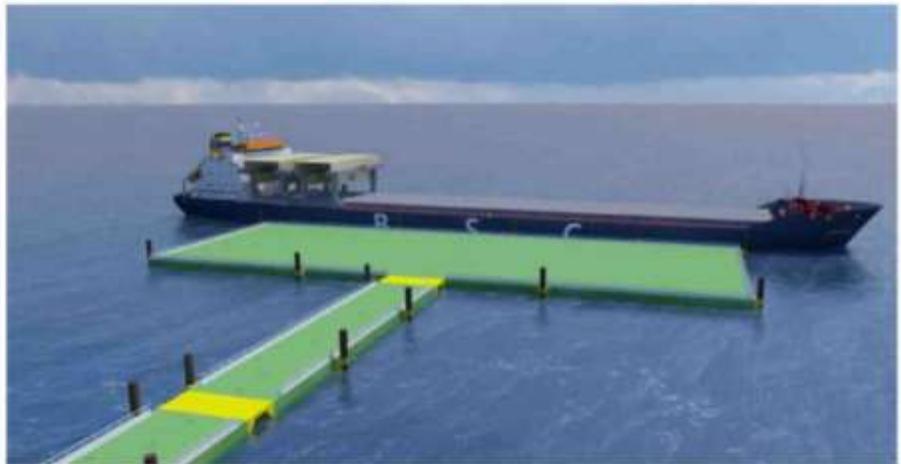
Floating structures, because of their inherent advantages, are an attractive solution and being encouraged by the Ministry.

Floating jetties have an advantage over the conventional quays and fixed concrete structures. It is a cost-effective solution and much cheaper than conventional structures.

Besides, setting it up is much faster and the entire structure can be built in 6-8 months as compared to 24 months for conventional structures.

The Ministry has successfully implemented a few pilot projects in the recent past by following international guiding principles.

These include setting up of passenger floating jetties in Goa, water-aerodromes



on the Sabarmati River and at Sardar Sarovar Dam (for the seaplane services) which are yielding the best results.

More than 80 similar projects of the Ministry are under planning stage all along the coastline for overall development and upliftment of the coastal community.

A benchmark and standard specifications at par with international standards are being evolved by the

Ministry so that technical specifications of floating structures are frozen after due deliberations with various stakeholders.

For this, the Ministry has entrusted IIT Chennai to work out the technical specifications of sustainable floating structures like floating jetties, water-aerodromes, floating marinas, fish landing facilities etc.

So that precise and stringent technical specifications are established.

Date: 9th December 2020

Media: Deccan Chronicle (clip attached)

Edition: Chennai

Page No: 2

Journalist: NA

Alumni: Krishna Sumanth Alwala

Headline: IIT-M start-up launches 3D Tech in garments sector

IIT-M start-up launches 3D tech in garments sector

DC CORRESPONDENT
CHENNAI, DEC. 8

The IIT-Madras (IIT-M)-incubated start-up TRI3D has introduced 3D technology to the traditional garments sector to help small and medium businesses survive the economic challenges caused by Covid-19.

The start-up has developed a software substitute for conventional model photoshoots, convenient for even the small boutique designers and weavers who cannot afford photoshoots. The images generated by TRI3D are acceptable on most of the popular e-commerce websites.

Mr. Krishna Sumanth Alwala, co-founder of the

start-up, said this technology would help bypass the task of arranging a day-long photoshoot with models having to constantly change in and out of sarees. With this, the desired image can be generated in minutes. The quality of the generated image is on par, if not superior, with the images taken by a photoshoot', he said.

According to him, as many as 80,000 garments have been digitized and sold using this technology in India, Sri Lanka and Abu Dhabi in the last one year.

'More than 100 new generation entrepreneurs from across 50 locations in India have already

deployed this technology. In the pandemic times, it will help small scale entrepreneurs in ensuring their business is not behind in the digital revolution', he said.

'Since the pandemic, e-commerce has become almost an essential tool for survival of businesses as most customers opt to shop online. But, one of the main barriers for this channel is to generate images of garments to be uploaded to e-commerce websites. TRI3D's unique apparel visualisation technology converts flat images of garments such as sarees into beautiful photo-realistic 3D images on models, mannequins and creative representations', he said.

Date: 9th December 2020

Media: The New Indian Express

Edition: Online

Journalist: NA

Alumni: Krishna Sumanth Alwala

Headline: IIT-Madras startup gives garment sellers 3D tech

URL: <https://www.newindianexpress.com/cities/chennai/2020/dec/09/iit-m-startup-gives-garment-sellers-3d-tech-2233647.html>

E-commerce has become an almost-essential tool for businesses, as most customers go online to shop. But small and medium apparel businesses have faced challenges in growing online due to difficulties in generating images of garments to be uploaded online.

To handle this, IIT-Madras and NASSCOM-incubated startup 'TRI3D' has used 3D technology to develop a unique apparel visualization software that converts flat images of garments into photo-realistic 3D images on models and mannequins. It offers a substitute even for small boutique designers and weavers who cannot afford photoshoots.

The images generated by TRI3D are acceptable on most popular online shopping sites, said a release from IIT-Madras. Krishna Sumanth Alwala, co-founder, TRI3D, and an IIT-M alumnus, said, "The painstaking task of arranging a day-long photoshoot with models having to constantly change in and out of sarees, is easily bypassed.

The desired image is generated in minutes, and the quality is on a par, if not superior, to images from a photoshoot." As many as 80,000 garments have been digitised and sold using TRI3D's technology in India, Sri Lanka and Abu Dhabi in the last year. More than 100 new-generation entrepreneurs from across 50 locations in India use this technology. Many of TRI3D's customers are from remote towns in India.

Date: 9th December 2020

Media: India Times

Edition: Online

Journalist: Somak Adhikari

Headline: Road Generating Electricity By Walking To Smartcane: Seven New IIT Innovations In Last Decade

URL: <https://www.indiatimes.com/news/india/iit-innovations-in-last-decade-529302.html>

IITians have come up with some innovative creations in the last decade or so. Not that it is a surprise, for both the students and teachers there are some of the most brilliant minds in the country. There have been some truly brilliant **innovations** over the last 10 years and some stand out more than others. Here's a look at the ones which really proved to be groundbreaking:

1. Road generating electricity by walking on it



iStock

Researchers at IIT-Mandi have found a way to generate electricity by walking on the road. The technology involves piezoelectric materials. They are known to interconvert mechanical energy and electrical energy.

2. Battery swapping for e-vehicles



TOI
IIT-Madras is working towards finding a comprehensive yet cheap solution for India's polluted mobility with e-vehicles.

Flash Sale



Reuters

Researchers at IIT Gandhinagar have developed an additive that when mixed with rocket fuel, boosts overall output while also reducing the weight, which will help in carrying more cargo into space.

4. Passive Solar Water Wall



The Better India

Sahashranshu Maurya and Somrup Chakraborty of IIT-Kharagpur have come up with his unique innovation. This cooling system revolves around a rectangular water tank fitted into a wall. It helps in a 50 percent reduction in cooling cost.

5. SmartCane



The Better India

This cane can help visually challenged people detect obstacles in their way and this can avoid serious injury. The brainchild was from an IIT professor and a social entrepreneur who joined hands. It costs Rs 3000.

Date: 10th December 2020

Media: The Logical India

Edition: Online

Journalist: Ankita Singh

Headline: This Startup Can Build A House In Three Weeks While Producing Less Carbon Footprint

URL: <https://thelogicalindian.com/sustainability/startup-building-sustainable-houses-25352>

A startup by three mechanical engineering graduates from IIT-Madras, Tvasta, has come up with a solution which would allow building a house in less than three weeks. The startup claims to build houses at nearly half the cost which is used for traditional construction by the use of 3D printing technology. For the construction of the building, the plan is firstly made in 2D. Once the plan for the house is completed, it is printed in 3D and the house is then constructed. While constructing houses, Tvasta avoids using any traditional construction materials such as bricks. The founders claim that the material used for the construction is stronger, lighter and more sustainable as it brings a lesser carbon footprint than traditional material. It uses a proprietary concrete mix for construction. Unlike the traditional methods used for construction that takes a minimum of 21 days to 48 days, the complete structure could be completed within 7-10 days by using the 3D printing technology. The technology used in the construction of houses has been developed indigenously in India. The founders of the startup said that if it is adopted by the construction sector, then it can transform the entire housing industry. "The target is the affordable housing segment. We can roll this out for mass adoption," said C Vidyashankar, the co-founder of Tvasta as reported by The Times Of India. The technology of 'Concrete 3D Printing' brings together machine, material and software and is expanding the frontiers of the modern-day construction practices. The concrete 3D printers that require the use of various sub-technologies for the formation and handling of raw material are in various stages of receiving the patent.

Date: 10th December 2020

Media: Samachar Nama

Edition: Online

Journalist: NA

Headline: 5 जी तकनीक पर काम करने वाली कई भारतीय कंपनियों (Many Indian companies working on 5G technology)

URL: <http://www.samacharnama.com/many-indian-companies-working-on-5g-technology/>

डिजिटल नेटवर्क इंटीग्रेटर कंपनी एसटीएल के ग्रुप सीईओ आनंद अग्रवाल कहते हैं कि यह देश के लिए अपनी खुद की 5 जी तकनीक विकसित करने का सबसे अच्छा समय है। अग्रवाल ने कहा कि 5G के लिए पूरा पारिस्थितिकी तंत्र पूरी तरह से खुला हुआ है और दुनिया भर में कुछ दूरसंचार ऑपरेटर कुछ कंपनियों और उनके मालिकाना उत्पादों के बंद पारिस्थितिकी तंत्र पर निर्भर होने के बजाय 5G तैनाती के लिए पूरी तरह से खुले रेडियो एक्सेस नेटवर्क (RAN) पारिस्थितिकी तंत्र की ओर बढ़ रहे हैं।

अग्रवाल कहते हैं, "चार में से तीन कंपनियों के बजाय कई कंपनियों के लिए वायरलेस इकोसिस्टम खुला हुआ है।" अग्रवाल कहते हैं कि देश में ऐसी कई कंपनियां हैं जो एसटीएल पर काम कर रही हैं।

एसटीएल ने पहले ही आईआईटी-चेन्नई, बंगलुरु की सांख्य लैब्स, गुडगांव में वीवीडीएन टेक्नोलॉजीज के साथ काम करना शुरू कर दिया है और उत्पादों को लॉन्च करने के लिए उनके साथ सहयोग किया है।

अग्रवाल के अनुसार, 5G में एक मजबूत सॉफ्टवेयर घटक है और यह भारत की ताकत है। इसके अलावा, देश पहले से ही वैश्विक कंपनियों के लिए इन तकनीकों को विकसित कर रहा था और अब वे उस क्षमताओं को भारत में बनाने के लिए निर्देशित कर सकते हैं। अग्रवाल कहते हैं, "भारत के लिए, यह लीप लेने का सही समय है और विशेष रूप से दुनिया चीन के विकल्प की तलाश कर रही है। उन्होंने कहा कि समय के हिसाब से यह भारत के लिए सबसे अच्छा समय है। उन्होंने कहा कि आपके स्वयं के विकास की एक डिग्री होनी चाहिए और यह हमारे अपने 5 जी पारिस्थितिकी तंत्र को विकसित करने का एक शानदार अवसर है, इसलिए इरादे-वार और कार्रवाई के लिहाज से यह सही दिशा है।

5G तकनीक सॉफ्टवेयर, हार्डवेयर, RAN, क्लाउड और इंटीग्रेटर्स के बारे में अधिक है। और, जैसा कि कंप्यूटिंग उद्योग में हुआ था, और हार्डवेयर और सॉफ्टवेयर को सॉफ्टवेयर से अलग किया जा सकता है, जो वह कर सकता है। इसलिए टेलीकॉम सर्विस ऑपरेटर अब इन शेल्फ को खरीद सकते हैं। उन्होंने कहा कि कैपेक्स में 30% की कमी और ओपेक्स में 30% की कमी है, इसलिए इसका परिणाम खुला रैन का उपयोग करके बहुत सारी बचत है।

"एसटीएल पिछले तीन वर्षों से वायरलेस इकोसिस्टम पर काम कर रहा है। कुछ ग्राहकों के साथ, हम भारत के साथ-साथ वैश्विक स्तर पर उनकी प्रयोगशालाओं में हैं और हम जल्द ही 2021 के पहले छमाही में वाणिज्यिक तैनाती के साथ क्षेत्र परीक्षण के लिए आगे बढ़ेंगे।" अग्रवाल ने कहा।

उन्होंने कहा कि एसटीएल ने कंपनियों का अधिग्रहण किया है और साथ ही संगठित रूप से निवेश कर रही है।

ग्रीनफील्ड प्रोजेक्ट 100% खुले आरएएन के लिए जा रहे हैं, जबकि ब्राउनफील्ड प्रोजेक्ट मिक्स एंड मैच के लिए जा रहे हैं। डिश नेटवर्क यूएस में पूर्ण खुला आरएएन जा रहा है और एसटीएल ने उनके साथ काम किया है। एसटीएल ने 5 जी नेटवर्क के लिए डिश नेटवर्क के साथ 5 जी मल्टी-बैंड मैक्रो रेडियो समाधान जारी किया।

सांख्य लैब्स के सह-संस्थापक और सीईओ पराग नाइक ने कहा कि 5G टेलीकॉम स्पेस में भारत की क्षमताओं को विकसित करना महत्वपूर्ण है क्योंकि यह 5G टेक्नोलॉजी में अग्रणी होने की ओर अग्रसर है।

सांख्य लैब खुले आरएएन आधारित संज्ञानात्मक स्केलेबल 5 जी आरएएन समाधान विकसित कर रहा है जिसमें मल्टी-बैंड रिमोट रेडियो इकाइयां शामिल हैं।

सांख्य लैब्स ने 5 जी प्रसारण समाधान विकसित किया है जो उच्च गुणवत्ता वाले वीडियो और अन्य प्रसारण सामग्री लागत को प्रभावी ढंग से अंतिम उपभोक्ता तक पहुंचाने के लिए प्रसारण और ब्रॉडबैंड के अभिसरण पर आधारित है, नाइक ने कहा।

जैसा कि दुनिया भर के ऑपरेटर 5G नेटवर्क परिनियोजन में तेजी लाते हैं, नए रेडियो समाधानों को किफायती कार्यान्वयन में तेजी लाने की आवश्यकता होगी और भारतीय कंपनियां ऑपरेटरों को बाजार में तेजी से समय के साथ कई तैनाती उपयोग के मामलों को संबोधित करने में सक्षम बनाने के लिए समाधान प्रदान कर सकती हैं।

Date: 12th December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Alumni: Mr. Krishna Sumanth Alwala

Headline: Now, digital mannequins used to model garments

URL: <https://www.thehindu.com/news/cities/chennai/now-designers-use-digital-mannequins-to-model-products/article33311401.ece>

TRI3D, a start-up, has come up with a software that helps develop a catalogue of garments without having to go through the process of having models physically display them.

Using 3D technology, the software aims to help small and medium business entrepreneurs survive the challenges brought on by the COVID-19 pandemic.

Developing a catalogue of images that could be uploaded to e-commerce websites posed a barrier for small garment businesses. The software converts images of garments into 3D images on models and mannequins, which can be used even by small boutique designers and weavers.

Krishna Sumanth Alwala, the co-founder of TRI3D and an alumnus of the Indian Institute of Technology-Madras (IIT-M), said, "The desired image is generated in a matter of minutes, without any compromise. The quality of the generated image is on a par, if not superior, to the images taken during a photo shoot."

In the past year, around 80,000 garments have been digitised and sold using TRI3D's technology in India, Sri Lanka and Abu Dhabi. Over 100 new-generation entrepreneurs from across 50 different areas in the country have deployed the technology, he said.

Nitish Reddy Parvatham, also a co-founder of TRI3D and an alumnus of the Indian Institute of Technology-Bombay, said any fabric could be draped on a model to provide a realistic view. "The photo could also be one of the dress material. Our software will not only 'stitch' the fabric, but also visualise it as a finished garment draped on a model in a variety of poses." Mr. Reddy said the start-up had worked with some of the biggest fashion e-commerce players in the country besides a major sari retailer in Chennai.

The start-up, incubated in the IIT Madras Research Park along with NASSCOM, has over 150 active customers, many of them from small towns including Kancheepuram, Tiruppur, Salem, Coimbatore, Mangalagiri, Chirala Pochampally, Ilkal, Mysuru, Nashik and Chanderi.

Date: 12th December 2020

Media: Rajasthan Patrika

Edition: Online

Journalist: Santosh Tiwari

Professor: Prof. Mohanasankar Sivaprakasam

Spokesperson: Mr. Azim Premji

Headline: सस्ती चिकित्सा प्रौद्योगिकी में स्थानीय नवाचार को बढ़ावा (Promote local innovation in affordable medical technology)

URL: <https://www.patrika.com/chennai-news/wipro-ge-healthcare-join-hands-with-iit-madras-to-foster-industry-acad-6568620/>

वो जीई हेथकेयर ने आईआईट मास के साथ फेलोशप भागीदारी क घोषणा क। इसके जरए रसच कालर को अधिक अवसर मुहैया कराया जाएगा ताक वे इनोवेशन इकोसटम को बनाने के साथ साथ इसका आगे वकास कर सके। इस कायम के तहत वो जीई हेथकेयर आईआईट मास म मां के जमदन को ने बनाया खास, मंगवाया सोने क परत चढ़ा केक इंडया उमीद राय मनोरंजन खेल व शा ऑटोमोबाइल गैजेट बजनेस वाय धम/योतष पकायन वीडयो तवीर शोक सदेश EPAPE हमारी वेबसाइट पर कंटट का योग जारी रखकर आप हमारी गोपनीयता नीत और कूकज नीत से सहमत होते ह। - सी िचिका ौोिगकी मथानीय नवाचार को बढ़ावा चुने ए रसच कालर माटस को वीय मदद एवं औौगक वशेषता भी मुहैया कराएगा। वो जीई हेथकेयर के चेयरमैन अजीम ेमजी ने कहा क इस भागीदारी से वाथय एवं उनके वचार को सलाह द जाएगी। साथ ही रसच कालर को नौ महीने का इटनशप अवसर दया जाएगा। आईआईट मास के नदेशक भाकर राममूत ने कहा क इससे रसच कालर को बड़ा अनुभव ात होगा। इस मौके पर जीई हेथकेयर के लोबल चीफ आपरेटग आफसर नलनीकांत गोलागुटा ने कहा क हम मता नमाण के लए तभा म नवेश म वास करते ह। इस दौरान आईआईट मास हेथकेयर टेनालाजी इनोवेशन सटर के हेड ो.मोहनशंकर शवकाशम ने कहा क इससे तभा एवं कौशल का वकास होगा। इस भागीदारी से सती चकसा ौौगक म थानीय नवाचार को बढ़ावा मलेगा।

Date: 14th December 2020

Media: The Telegraph (clip attached)

Edition: Kolkata

Page No: 13

Journalist: NA

Headline: Special apps for special children

URL: <https://www.telegraphindia.com/science-tech/special-apps-for-special-children/cid/1800500>

Special apps for special children

Children often have language and speech problems that parents do not like to admit even to themselves. These children need extra help and special instructions.

Today, we have apps that can help children with speech and language problems. Some of these apps support Indian languages too.

Though there are specialists and special schools that deal with this kind of disorder, you may not have access to them. These apps for computers, tablets and smartphones give a child access to effective tools to help them. The apps work through games and are a fun way of receiving therapy. Practising at home with parents or people they trust may make the child feel secure; children learn best in their comfort zone.

Avaz

Around 2006, a small group of inventors from IIT Madras was responsible for bringing AAC (Augmentative and Alternative Com-

munication) to India. A line-up of images is known as AAC. It was, at first, a tablet to be used by special needs children and called Avaz, meaning voice. In 2010, Avaz was rewritten as an app for Android and was sold bundled with a tablet. It became an integral part of special education and therapy and the inventor, Ajit Narayanan, got the National Award for Empowerment of Persons with Disabilities that year. The iOS version of the app was introduced about six years ago.

Avaz is a free communication and learning tool for children with speech disabilities who can use it to express themselves. It also teaches concepts. Avaz adapts itself to the needs of the child as their vocabulary grows. Over the years, using the same app, the child can move forward from using pictures to keyboards with audio output. Avaz is also available in Bengali in Google's Play Store.

Leeloo Autism Speech

The Leeloo AAC Autism Speech app is meant for nonverbal chil-

TECH TONIC SURIT DOSS

dren. A child may have a disorder where they are not able to say what they want to. Leeloo could help them communicate with parents, teachers or friends.

Leeloo uses AAC with the Picture Exchange Communication System (PECS). The app has a card for every word the child may need daily. And every card is matched with an image about the phrase or word the child is trying to communicate. Leeloo has a voice too. When the cards are pressed, the chosen phrases will be read out by a text-to-speech robot.

Many older people also lose their power of speaking at times because of a stroke or accident. The Leeloo app can help them communicate. Leeloo is available for

free at the Google Play Store and in Apple's App Store.

MITA language therapy

Language Therapy for Kids — MITA, is an app that can be used for free on Android and iOS devices. MITA stands for Mental Imagery Therapy for Autism.

Clinical trials have shown that children with language problems who have used MITA have bettered themselves by 70 per cent since the initial evaluation. It includes unlimited language and cognitive exercises. Parents and teachers can use this app to help their children improve at home.

It starts with simple vocabulary and progresses towards higher forms of language. For example, in one of the very first lessons, your child is presented with two separate images of a butterfly's body and wings, and a choice of complete butterflies. The task is to find the correct complete butterfly and place it in the empty square. Unfortunately, this app does not support any Indian language.

LetMeTalk

LetMeTalk is a free app available in the Apple App Store as well as Google's Play Store. It makes you line up images in a meaningful way to read as a sentence. It has a huge database of images. You can also add images of your own from your device. You do not need an Internet connection to make LetMeTalk function. There is a tutorial available at <https://bit.ly/2KaGZMd>.

Otsimo

Otsimo Special Education is another certified and award-winning educational game app that has been developed for individuals with learning disorders. It is available for both Apple and Android devices. Assistive games in Otsimo teach fundamental education and concepts such as vocabulary, numbers, emotions, music, colours and so on.

Send in your problems to askdoss2020@gmail.com with TechTonic as the subject line

TECHNOLOGY 4.0

Challenge and response 10▶

Start-ups incubated at the Indian Institute of Science and the IITs are tweaking their innovations to address the challenges posed by Covid-19.

PEERZADA ABRAR writes

Challenge and response

Start-ups incubated at the Indian Institute of Science and the IITs are tweaking their innovations to address the challenges posed by Covid-19, writes Peerzada Abrar

Tucked away in a corner of Indian Institute of Science's (IISc) verdant campus in Bengaluru is the Society for Innovation and Development (SID), an incubator which aims to commercialise innovations with the potential to directly impact society. This year, it has been helping deep-science and tech start-ups fight coronavirus. As soon as the Covid-19 pandemic struck, many start-ups incubated at SID began work on repurposing their innovations — ranging from vaccines and affordable diagnostic kits to tech-enabled hand-held devices — in the battle against the virus.

"The starting point for innovation is always an orbit-shifting challenge, and Covid-19 provided that challenge to our start-ups, who were able to capitalise on it," says C S Murali, chairman of the Entrepreneurship Cell at SID. "In the last six to seven months, 8-10 start-ups have been working towards providing solutions for Covid-19. Since these are deep-science start-ups, their underlying technology yielded extensions for battling Covid-19."

Take Azooka Life Sciences. Founded by Fathima Benazir and Alex Paul, it is developing a new class of safe fluorescent dyes and consumables for genomics research and molecular diagnostics. It has also developed a safer viral transport medium, and is working on an easy-to-deploy point-of-care diagnostic kit that will be useful in testing for Covid-19.

A daunting challenge in India is the large numbers who live in tier-2 and tier-3 cities and villages, and the need to reach them for testing and sample collection. Azooka developed RNA Wrapr, a molecular transport medium that is a safer alternative to the existing viral transport medium (VTMs), which requires a cold chain for storage and transportation of samples. When the swab is dropped into the molecular transport medium it immediately deactivates the virus and provides better RNA yields, which are critical for the RT-PCR (reverse



Azooka Life Sciences co-founder Fathima Benazir (above); and the Helyxon dashboard app

transcription-polymerase chain reaction) confirmatory test.

"Our solution is commercially available and can be ordered. As of now, our manufacturing capacity is one lakh units per month," says Azooka co-founder Benazir. "We are receiving orders from a few customers."

However, the challenge that Azooka is facing is that Indian government tender systems favour vendors who quote prices as low as ₹25 per VTM. "Azooka is trying to offer a safer molecular grade transport medium that is sub-₹100," says Benazir. "We are appealing to a segment of users who care about the safety of their frontline health care workers."

In Chennai, Helyxon, a start-up incubated at IIT-Madras, has developed an affordable and easy-to-use portable device that can monitor the vital parameters of Covid-19 patients (temperature, oxygen saturation and pulse) at home or in hospitals and stream the data to a smartphone app or a comput-

er server in a hospital.

Helyxon has deployed technologies such as artificial intelligence (AI), Internet of Things (IoT) and cloud to streamline patient monitoring. One of its products is the wireless patient monitoring (WPM) system for Covid care centres and hospitals, which enables

remote monitoring of hundreds of patients simultaneously and continuously, thereby reducing the stress on the health care system and freeing up hospital beds for severe cases.

Helyxon has also developed a "98.6 Fever Watch", an AI-based biosensor that is to be

placed under the armpit. The app can be downloaded onto a smartphone. It connects to the phone using Bluetooth and makes temperature readings available on the phone, and can be accessed by doctors, no matter how far away they are from the patient. Helyxon says some

of its solutions are helping patients in remote villages where even public transport buses do not ply.

At IISc's SID, PathShodh Healthcare Private Limited, also a start-up, is repurposing its technology for rapid and accurate Covid-19 diagnostics, which will also eliminate the need for polymerase chain reaction machines. It had developed a first-of-its-kind diagnostic system for testing blood and urine for all diabetes-related ailments, from research done by Vinay Kumar



THE STATE OF PLAY

Many Indian companies are repurposing their innovations to produce home-grown solutions that can be mass-produced and made accessible to a larger population.

■ **Azooka Life Sciences** has developed a safer viral transport medium, and is working on an easy-to-deploy point-of-care diagnostic kit

■ **Helyxon** has developed a portable remote device to monitor the vital parameters of Covid-19 patients, as well as "98.6 Fever Watch", an AI-based biosensor

■ **PathShodh Healthcare** has devised a handheld electronic device that can detect Covid-19 antibodies in humans through a blood test

■ **Equine Biotech**, a start-up like the other three, has built an indigenous RT-PCR diagnostic kit for affordable diagnosis of Covid-19

and Navakanta Bhat at the IISc's Centre for Nano Science and Engineering.

PathShodh's original anuPath™ system was meant for diagnosing diabetes and its related complications, and it was later expanded to enable diagnosis of Covid-19-related ailments. It involves the use of a handheld electronic device and a biosensor for detecting Covid-19 antibodies in humans through a blood test. The result will be faster and the process easier to use than conventional systems.

"We have completed trials with hospitals and labs for the Covid-19 antibody test and are in the process of sending it to the ICMR (Indian Council of Medical Research) to get a final certificate. It may take a month or so before the launch," says Kumar of PathShodh.

Equine Biotech, another start-up incubated by SID, has developed an indigenous RT-PCR diagnostic kit for Covid-19 that has been approved for use in authorised diagnostic labs by ICMR. The test takes about 1.5 hours to confirm the presence of the SARS-CoV-2 virus in patient samples, according to Utpal Taha, professor in the department of biochemistry at IISc, and founder of Equine Biotech. The company is seeking to license its test kit and to work with med-tech companies for producing and marketing it.

Date: 14th December 2020

Media: The Financial Express (clip attached)

Edition: Hyderabad / Mumbai / New Delhi

Page No: 12

Journalist: Khushhal Kaushik

Headline: Making cybersecurity part of IT curriculum

URL: <https://www.financialexpress.com/industry/technology/why-cybersecurity-should-be-a-part-of-it-curriculum/2149318/>

Making cybersecurity part of IT curriculum

Against a rough demand for a million cybersecurity experts, India has less than 10,000 professionals

KHUSHHAL KAUSHIK

USING COMPUTERS AND internet technologies without understanding the basics of cybersecurity is akin to driving a car without seatbelts. Even as information technology (IT) as a discipline has flourished in universities and colleges across the world, cybersecurity as a structured curriculum is a relatively recent phenomenon. Although India has fared well in terms of emerging as a software services power, the country is on its way to reinventing itself as a software product-making power. At the same time, as a major economy, coupled with the large-scale digitisation of our economic-financial governance systems as well as other systems of administration, the imperative to upgrade our cybersecurity defences at par with developed economies cannot be overstated.

As such, the world's second-largest internet-connected country needs to brace itself by training a sufficient pool of cyber-warriors to deal with the ever-rising cybersecurity threats posed to its IT-driven product and services infrastructure and systems. One of the biggest victims of cyberattacks in recent years, India was ranked the third-most cyber-attacked

country in the world, according to a report.

Cybersecurity is different from network security: There is often confusion between cybersecurity and network security, with many treating both as somewhat equivalent. Although both are a subset of the broader information security, traditionally it was network security as a regular part of the IT curriculum that could be considered closest to cybersecurity. As part of BTech/BE, MTech and MSc courses, along with topics such as software engineering, software testing, network engineering, hardware assembly, testing, etc, network security as a separate topic used to be mostly taught in classrooms of colleges and universities. The difference between network security and cybersecurity is that while the former has been envisaged to secure the integrity of the IT infrastructure, the latter pertains to protection of internet-connected systems and networks against digital attacks targeted at accessing, altering or sabotaging sensitive information; extorting money from users; or interrupting normal business processes, according to Cisco. While the former involves provisioning and administration of components such as network-monitoring tools, firewalls, switches, routers and virtual private networks (VPNs), the latter entails monitoring of networks to detect security breaches, installation and updating of safety software and simulation of attacks to identify vulnerabilities. The difference in the two definitions and the scope of work therein is self-explanatory as to why there is a need for a separate and more structured course



for cybersecurity in colleges, universities.

A flurry of courses on cybersecurity: Although not quite enough to meet the surge in demand, there has been a flurry of specialised and standalone courses on cybersecurity introduced by both government and private players in recent years. Ranging from part-time to distance learning to online mode with varied provisions for certification, diploma and degree programmes, these courses have found pop-

ularity amongst university students as well as career professionals. The Covid-19-driven shift to online education with the rise of online education portals and the rising cybersecurity threat during the lockdown has given a renewed impetus to this trend. Not only are top universities offering courses, but IT companies are also advancing courses in cybersecurity.

According to a popular education sector tracking website, there are 204 col-

leges—both government and private—offering programmes in cybersecurity at UG and PG levels. The government has instructed the National Institute of Electronics and Information Technology with its 24 centres to launch courses on cybersecurity. Government-backed initiatives include the launch of an online PG diploma in cyber law, crime investigation and digital forensics by the National eGovernance Division in partnership with the National Law Institute University, Bhopal, to train law enforcement and judicial officers. Also, in April, IIT Madras launched the Certified Cyber Warriors v.3.0 course.

Need for more cybersecurity professionals: Despite the increase in popularity of cybersecurity as a course, these are not enough. Against an estimated demand for a million cybersecurity experts, India has less than 10,000 professionals. It's time cybersecurity as a specialised discipline becomes an integral component of IT syllabus being taught in our university systems as well as outside. At the same time, we need to strengthen the foundations of our human resources by improving the quality of our STEM graduates.

The market for cybersecurity is expected to grow to \$3.05 billion by 2022 at a CAGR of 15.6%—nearly one and a half times the global rate, according to a PwC report. Only a substantially large number of cybersecurity professionals would be able to meet this demand.

The author is founder & CEO, Lisianthus Tech

Date: 14th December 2020

Media: Jansatta (clip attached)

Edition: Kolkata / New Delhi

Page No: 2

Journalist: NA

Alumni: Mr. Ravi Kant

Headline: Hyderabad engineer won the world quiz competition

हैदराबाद के इंजीनियर ने जीती विश्व प्रश्नोत्तरी प्रतियोगिता

हैदराबाद, 12 दिसंबर (भाषा)।

हैदराबाद के रहने वाले 43 साल के इंजीनियर ने प्रतिष्ठित अंतरराष्ट्रीय प्रतियोगिता 'वर्ल्ड क्विजिंग चैंपियनशिप-2020' जीता है। इस प्रतियोगिता में कुल 668 प्रतिभागियों ने हिस्सा लिया था।

आइआइटी मद्रास से स्नातक और आइआइएम अहमदाबाद से परास्नातक करने वाले और वर्तमान में सिंगापुर स्थित एक बहुराष्ट्रीय कंपनी में कार्यरत रविकांत अवा ने हाल में यह शीर्ष सम्मान प्राप्त किया है। यह जानकारी उनके पिता और के सेवानिवृत्त आइएएस अधिकारी एपीवीएन सरमा ने दी।

इस प्रतियोगिता का आयोजन इंटरनेशनल क्विजिंग एसोसिएशन (आइक्यूए) ने कराया था। इस साल प्रतियोगिता में दो घंटे की परीक्षा ली गई जिसमें विज्ञान, इतिहास, खेल, कला और संस्कृति सहित कुल आठ क्षेत्रों से 240 प्रश्न पूछे गए।

तेलंगाना के राज्यपाल के सलाहकार पद पर कार्यरत सरमा ने बताया कि अवा ने 159 अंक प्राप्त कर यह सम्मान हासिल किया। उन्होंने बताया कि अवा पिछले 25 साल से क्विज प्रतियोगिताओं में सक्रिय हैं और 2018 व 2019 में एशिया-प्रशांत क्षेत्र के डब्लूक्यूसी प्रतियोगिता में शीर्ष स्थान प्राप्त किया था।

Date: 14th December 2020

Media: TN Tribune

Edition: Online

Journalist: NA

Professor: Prof. SR Chakravarthy

Headline: India Opens Doors to Foreign Firms to Share its Space Technology

URL: <https://tntribune.com/india-opens-doors-to-foreign-firms-to-share-its-space-technology/>

Foreign companies will now be able to access technology developed by the Indian Space Research Organization (ISRO), which previously was restricted to use by domestic entities.

Recent government **guidelines** point out the change in policy, from the transfer of technology for domestic use to foreign entities, by the Department of Space (DOS).

"The technology transfer activities of the DOS are primarily intended for the domestic utilisation of DOS," the guidelines state. "ISRO developed technologies by Indian industries. However, in the context of liberalisation and globalisation, requests from foreign organisations for transfer of DOS or ISRO developed technologies shall be encouraged as per the guidelines issued by Government of India." ISRO Chief K. Sivan said that the agency will transfer technology to foreign companies in an effort to encourage startups. The transfer of technology will occur on a case-to-case basis, with restrictions on anything considered to be sensitive. This will encourage foreign firms to use Indian technology or collaborate with Indian companies, he said.

Former ISRO chief, G. Madhavan Nair, told Zenger News that ISRO might not give out its rocket technology, which is sensitive information. But he acknowledged that the new policy would be an immense help to startups.

"I think this knowledge-sharing based on contracts with companies will help startups to the extent that the startup would not have to spend time in conducting research," said Nair.

ISRO's "brand name" will also be beneficial to companies that use technology, analysts say.

"These companies will get the backing of ISRO, which will make it easy to attract funding," said S. R. Chakravarthy, a professor in aerospace engineering department at the Indian Institute of Technology in Madras, and a mentor to Agnikul Cosmos, a space-tech startup incubated at the institute. Agnikul Cosmos recently partnered with ISRO to test its small rockets, which aim to launch 100 kg (220-pound) satellites. Agnikul will use ISRO's facility for this project.

Close to 500 technologies are open for transfer and are already being used by Indian firms.

"One of India's USPs [unique selling points] is that ISRO makes these technologies at much cheaper costs as compared to counterparts in other countries," said Ajay Lele, senior fellow at the Manohar Parrikar Institute for Defence Studies and Analyses in New Delhi. "Companies have started to realize that launching their satellite is becoming expensive in other countries, which is why they will come to ISRO."

Chakravarthy agrees.

"When Mangalyaan (India's mission to Mars) was launched, India's prime minister [Narendra Modi] stated that the per kilometer cost was less than an auto-rickshaw ride in Ahmedabad in his home state Gujarat," said Chakravarthy. "That is how frugal ISRO is."

India completed the mission for a cost of about \$70 million, down from the estimated cost of \$100 million. In 2013, With this mission, India became the first country in Asia to reach Martian orbit.

Modi had also compared this mission, which was launched in 2014" to the Hollywood film "Gravity." He said, to his knowledge, the budget of Mangalyaan was less than what it cost to make the movie [reportedly \$100 million].

In recent years, India has launched U.S. satellites from the ISRO space center in Sriharikota in the southern state of Andhra Pradesh. ISRO's Polar Satellite Launch Vehicle has attracted deals from companies based in France, the United States and Canada for their satellites to be launched. These launches are operated by ISRO's commercial arm, **Antrix**, which has revenue of more than \$4 million. In November, ISRO launched 10 satellites, many from foreign countries, from its Sriharikota space center.

"Companies might have ideas but not the wherewithal to go ahead with it, especially to test their products. ISRO will be able to provide them with the needed help to develop their ideas," said Lele. When it comes to space science, security is a concern.

In regard to security concerns, Chakravarthy said, "According to international space laws, even though a company is conducting a project, the government of the country where the firm is originally registered is also responsible. This sovereign oversight will help. Also, ISRO usually trains private companies so that these companies can supply hardware which can be assembled at ISRO's centers." ISRO's technology transfer to industry will be done through NewSpace India Ltd., a **company** incorporated by the government for commercializing ISRO's research. While ISRO is helping companies with technology transfer, it is also working with organizations like NASA to develop new technologies.

Date: 16th December 2020

Media: Rajasthan Patrika (clip attached)

Edition: New Delhi

Page No: 9

Journalist: NA

Headline: Roads are being prepared with coconut pots in 7 states

हमेशा टिकाऊ

दम तोड़ रहे सीजीटी उद्योग को भी मिलेगा बढ़ावा

7 राज्यों में नारियल की जटाओं से तैयार हो रही हैं सड़कें

पत्रिका न्यूज नेटवर्क
patrika.com

चेन्नई. नारियल के ऊपरी छिलके के रेशे से जब तक रस्सी, चटाइयां, गद्दे ही बनते रहे हैं, लेकिन अब यहीं छिलके का रेशा सड़कों की गुणवत्ता सुधारेगा। आने वाले समय में सड़कों के निर्माण में नारियल की जटाओं और कॉयर जियो टेक्सटाइल्स (सीजीटी) तकनीक देखने को मिलेगी। ये सड़कें हर मौसम के लिए ज्यादा टिकाऊ होंगी। इससे देश में दम तोड़ रहे सीजीटी उद्योग को भी बढ़ावा मिलेगा। सीजीटी उद्योग के लिए यह बड़ा ब्रूस्टअप है।

■ नारियल के छिलके का रेशा अब सुधारेगा सड़कों की गुणवत्ता



5 फीसदी हिस्सा नई तकनीक से: पीएमजीएसवाई की गाइडलाइंस के मुताबिक, हर सड़क के प्रस्ताव में कुल लंबाई के 15 फीसदी के निर्माण में नई प्रौद्योगिकी का उपयोग किया जाएगा। इस 15 में से 5 फीसदी हिस्सा भारतीय सड़क कांग्रेस (आइआरसी) से मान्यता प्राप्त तकनीक से किया जाएगा। आइआरसी ने सड़कों के लिए सीजीटी तकनीक को मंजूरी दी है।

आइआइटी-मद्रास में शोध जारी

पिछले दिनों आइआइटी मद्रास ने ग्रामीण सड़कों के निर्माण में सीजीटी का उपयोग करने को हरी झंडी दिखाई थी। उसने यह कदम सूक्ष्म,

लघु व माध्यम उद्योग (एमएसएमई) के आर्थिक पर उतारा था। आइआइटी ने सीजीटी के उपयोग पर शोध के लिए एक एमओयू भी किया था।

नारियल रेशा उद्योग को मिलेगा प्रोत्साहन

तमिलनाडु समेत सात राज्यों में इस तकनीक से सड़कों का निर्माण शुरू किया गया है। पिछले दिनों केंद्र ने प्रधानमंत्री ग्राम सड़क योजना (पीएमजीएसवाई) के तहत ग्रामीण क्षेत्र में सड़कों के निर्माण में कॉयर जियो टेक्सटाइल्स का

उपयोग करने पर बल देने की बात कही थी। सड़क निर्माण से जुड़े लोगों का कहना है कि सड़क निर्माण में कॉयर जियो टेक्सटाइल्स यानी नारियल की जालीदार चटाइयों का इस्तेमाल होने से सड़कें मजबूत बनेंगी।

Date: 18th December 2020

Media: The Times of India- Education Times

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu, Prof. Mohanasankar Sivaprakasam, Prof. Sujatha Srinivasan, Prof. V kamakoti

Headline: IIT Madras wins CII's 'The Most Innovative Institute of the Year' award for disruptive innovations

URL: <https://www.educationtimes.com/article/campus-beat-college-life/79798888/iit-madras-wins-ciiis-the-most-innovative-institute-of-the-year-award-for-disruptive-innovations>

The Indian Institute of Technology (IIT) Madras has been judged as 'The Most Innovative Institute of the Year' by the Confederation of Indian Industry (CII) for its disruptive innovations. The award that was bestowed during the '26th DST-CII Technology Summit' held virtually on December 9, 2020, is one of the categories in CII Industrial Innovation Awards 2020.

The innovations recognised in this award include:

- The VITALSENS platform for clinical-grade wearable health monitoring, which includes the 'Wireless Continuous Multi-parameter Patient Monitoring Device' and related smartphone apps, developed by Mohanasankar Sivaprakasam, faculty head, Healthcare Technology Innovation Centre (HTIC), IIT Madras
- 'Arise,' said to be India's first standing wheelchair as per the Institute's official notification. It was developed by Sujatha Srinivasan, faculty Head TTK Center for Rehabilitation Research and Device Development, IIT Madras
- 'Shakti' considered as the country's first indigenous microprocessor according to the institute's release. It was developed by V Kamakoti, Department of Computer Science and Engineering

Ashutosh Sharma, secretary, Department of Science and Technology while addressing the winners said, "More incubators and startups have come in the last six years than the preceding 60 years. Both the Government and industry have realised that disruption to status quo can be beneficial. Awards like this one highlight the innovation in the Institutes."

"We constantly focus on making our innovations employable by the domestic industry by providing global-level knowhow and fostering academia-industry collaboration," said Ravindra Gettu, dean (Industrial Consultancy axnd Sponsored Research), IIT Madras.

The Institute was earlier adjudged as the 'Top innovative Institution' in the Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2019 and 2020. The Ranking was launched by the Innovation Cell of Ministry of Education.

Date: 18th December 2020

Media: India Today

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT Madras adjudged 'The Most Innovative Institute of the Year' by CII for disruptive innovations

URL: <https://www.indiatoday.in/education-today/news/story/iit-madras-adjudged-the-most-innovative-institute-of-the-year-by-cii-for-disruptive-innovations-1750808-2020-12-18>

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IIT Madras: Faculty statement

Congratulating the winners, Prof Ashutosh Sharma, Secretary, Department of Science and Technology, Government of India, who delivered the keynote address, said, "More incubators and startups have come in the last six years than the preceding 60 years."

Dean Sharma also added, **"Both the Government and industry have realized that disruption to status quo can be beneficial. Awards like this one highlight the innovation in the Institutes."**

Thanking CII for this recognition, Prof. Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras, said, "We constantly focus on making our innovations employable by the domestic industry by providing global-level knowhow and fostering academia-industry collaboration."

IIT Madras: Research Park

IIT Madras is the first IIT in the country to have a full-fledged Research Park where many multinational and domestic corporate firms have established R and D centres.

This is a great platform to facilitate Industry-Academic collaboration and provides opportunities for IIT-M students to intern and get jobs from top companies even before graduation.

IIT Madras Research Park also hosts the IIT Madras Incubation Cell, one of India's premier deep-tech incubators.

IIT Madras: Achievements of the research park

At end of October 2020, it has incubated 207 start-ups founded by students, alumni, faculty, and staff of IIT-Madras or external entrepreneurs.

The start-ups incubated by IITMIC have attracted a total investment to the tune of USD 280 million from Angel Investors/VCs.

Their combined market valuation is around USD 844 million and generated revenue of USD 50 million during FY 2019-20. The start-ups of IITMIC have created over 4,000 jobs and filed over 125 patents.

IIT Madras: Previous achievements

IIT Madras was previously adjudged as the 'Top innovative Institution' in the country in Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2019 and 2020.

ARIIA Ranking was launched by the Innovation Cell of the Ministry of Education.

Date: 18th December 2020

Media: NDTV- Education

Edition: Online

Journalist: Bhoomika Aggarwal

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT Madras Adjudged 'Most Innovative Institute Of The Year' By CII

URL: <https://www.ndtv.com/education/iit-madras-adjudged-most-innovative-institute-of-year-cii>

Indian Institute of Technology, Madras (IIT-M) has been adjudged as the 'Most Innovative Institute Of The Year' for its disruptive innovations by the Confederation of Indian Industry (CII) during the virtual DST-CII Technology Summit organised by the Department of Science and Technology on December 9. IIT Madras has been acknowledged for three of its projects including VITALSENS platform for wearable health monitoring, Arise - standing wheelchair and Shakti- indigenous microprocessor. Highlighting the future planning for incubators, Prof Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras, said, "We constantly focus on making our innovations employable by the domestic industry by providing global-level knowhow and fostering academia-industry collaboration."

While delivering the keynote address, Prof Ashutosh Sharma, Secretary, Department of Science and Technology said, "More incubators and startups have come in the last six years than the preceding 60 years. Both the Government and industry have realized that disruption to status quo can be beneficial. Awards like this one highlight the innovation in the Institutes.

The Institute has been previously adjudged as the 'Top innovative Institution' in the country in the Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2019-20. IIT Madras has developed an incubation cell hosting multiple incubators to promote students to do inventions using latest technologies under the guidance of world-renowned professionals.

The institute has recently launched new products developed in incubation startups including PURE EV, CSIR-CERCI working on Indigenous Battery Technology.

Date: 18th December 2020

Media: ABP Education

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT Madras adjudged The Most Innovative Institute of the Year by CII for disruptive innovations

URL: <https://www.abpeducation.com/amp/news/iit-madras-adjudged-the-most-innovative-institute-of-the-year-by-cii-for-disruptive-innovations/cid/1205812>

Indian Institute of Technology, Madras (IIT-M) has been adjudged as the 'Most Innovative Institute Of The Year' for its disruptive innovations by the Confederation of Indian Industry (CII) during the virtual DST-CII Technology Summit organised by the Department of Science and Technology on December 9. IIT Madras has been acknowledged for three of its projects including VITALSENS platform for wearable health monitoring, Arise - standing wheelchair and Shakti- indigenous microprocessor. Highlighting the future planning for incubators, Prof Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras, said, "We constantly focus on making our innovations employable by the domestic industry by providing global-level knowhow and fostering academia-industry collaboration."

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Date: 18th December 2020

Media: MSN

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT-Madras receives most innovative institute of the year award

URL: <https://www.msn.com/en-in/money/careers/iit-madras-receives-most-innovative-institute-of-the-year-award/ar-BB1c2dGz>

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Date: 19th December 2020

Media: Asian Live

Edition: Online

Journalist: NA

Headline: IIT-Madras Bags 'The Most Innovative Institute Of The Year' Award

URL: <http://asnlive.in/iit-madras-bags-the-most-innovative-institute-of-the-year-award/>

Indian Institute of Technology, Madras (IIT-M) has been adjudged as the 'Most Innovative Institute Of The Year' for its disruptive innovations by the Confederation of Indian Industry (CII) during the virtual DST-CII Technology Summit organised by the Department of Science and Technology on December 9. IIT Madras has been acknowledged for three of its projects including VITALSENS platform for wearable health monitoring, Arise - standing wheelchair and Shakti- indigenous microprocessor. Highlighting the future planning for incubators, Prof Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras, said, "We constantly focus on making our innovations employable by the domestic industry by providing global-level knowhow and fostering academia-industry collaboration."

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Date: 18th December 2020

Media: The Gulf Indians

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu, Prof. Mohanasankar Sivaprakasam, Prof. Sujatha Srinivasan, Prof. V kamakoti

Headline: IIT Madras bags “The Most Innovative Institute of the Year’ awards

URL: <https://www.thegulfindians.com/iit-madras-bags-the-most-innovative-institute-of-the-year-award/>

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Date: 18th December 2020

Media: Jagran Josh

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT Madras declared 'Most Innovative Institute of The Year' by Confederation of Indian industry

URL: <https://www.jagranjosh.com/news/iit-madras-declared-most-innovative-institute-of-the-year-by-confederation-of-indian-industry-157045>

Indian Institute of Technology, Madras (IIT-M) has been adjudged as the 'Most Innovative Institute Of The Year' for its disruptive innovations by the Confederation of Indian Industry (CII) during the virtual DST-CII Technology Summit organised by the Department of Science and Technology on December 9. IIT Madras has been acknowledged for three of its projects including VITALSENS platform for wearable health monitoring, Arise - standing wheelchair and Shakti- indigenous microprocessor. Highlighting the future planning for incubators, Prof Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras, said, "We constantly focus on making our innovations employable by the domestic industry by providing global-level knowhow and fostering academia-industry collaboration."

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Date: 18th December 2020

Media: Trinity Mirror

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT Madras 'Most Innovative Institute' : CII

URL: <https://www.trinitymirror.net/news/iit-madras-most-innovative-institute-cii/>

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Date: 18th December 2020

Media: Navbharat Times

Edition: Online

Journalist: Ratna Priya

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: ये है देश का सबसे इनोवेटिव इंस्टीट्यूट, 3 नवाचारों के लिए मिले अवॉर्ड्स (This is the country's most innovative institute, 3 awards for innovation)

URL: <https://navbharattimes.indiatimes.com/education/education-news/iit-madras-becomes-most-innovative-institute-of-india/articleshow/79795976.cms>

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Date: 18th December 2020

Media: Rozgar Rath

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT मद्रास ने 'वर्ष का सबसे नवीन संस्थान' घोषित किया (IIT Madras declared 'Most Innovative Institute of the Year)

URL: <https://rojgarrath.in/iit-मद्रास-ने-वर्ष-का-सबसे-नवी/>

Indian Institute of Technology, Madras (IIT-M) has been adjudged as the 'Most Innovative Institute Of The Year' for its disruptive innovations by the Confederation of Indian Industry (CII) during the virtual DST-CII Technology Summit organised by the Department of Science and Technology on December 9. IIT Madras has been acknowledged for three of its projects including VITALSENS platform for wearable health monitoring, Arise - standing wheelchair and Shakti- indigenous microprocessor. Highlighting the future planning for incubators, Prof Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras, said, "We constantly focus on making our innovations employable by the domestic industry by providing global-level knowhow and fostering academia-industry collaboration."

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Date: 18th December 2020

Media: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT Madras adjudged 'The Most Innovative Institute of the Year' by CII for its Disruptive Innovations

URL: <https://skilloutlook.com/education/iit-madras-adjudged-the-most-innovative-institute-of-the-year-by-cii-for-its-disruptive-innovations>

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Date: 18th December 2020

Media: Business Journal

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT Madras adjudged 'Most innovative institute of the year'-Business Journal

URL: <https://business-journal.in/education/iit-madras-adjudged-most-innovative-institute-of-the-year-business-journal/>

Indian Institute of Technology, Madras (IIT-M) has been adjudged as the 'Most Innovative Institute Of The Year' for its disruptive innovations by the Confederation of Indian Industry (CII) during the virtual DST-CII Technology Summit organised by the Department of Science and Technology on December 9. IIT Madras has been acknowledged for three of its projects including VITALSENS platform for wearable health monitoring, Arise - standing wheelchair and Shakti- indigenous microprocessor.

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Date: 18th December 2020

Media: College Dunia

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT Madras Receives Most Innovative Institute of the Year Award, Read Details Here

URL: <https://collegedunia.com/news/iit-madras-receives-most-innovative-institute-of-the-year-award-read-details-here-alertid-31036>

Indian Institute of Technology, Madras (IIT-M) has been adjudged as the 'Most Innovative Institute Of The Year' for its disruptive innovations by the Confederation of Indian Industry (CII) during the virtual DST-CII Technology Summit organised by the Department of Science and Technology on December 9. IIT Madras has been acknowledged for three of its projects including VITALSENS platform for wearable health monitoring, Arise - standing wheelchair and Shakti- indigenous microprocessor.

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Date: 19th December 2020

Media: The Times of India (Clip attached)

Edition: Chennai

Page No: 6

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT-M bags another award for innovation

URL: <https://timesofindia.indiatimes.com/home/education/news/iit-madras-receives-most-innovative-institute-of-the-year-award/articleshow/79797431.cms>

IIT-M bags another award for innovation

TIMES NEWS NETWORK

Chennai: The Indian Institute of Technology, Madras, has received an award for its disruptive innovations from Confederation of Indian Industry (CII).

The 'Most Innovative Institute of the Year' award bagged by IIT-M is one of the categories in CII Industrial Innovation Awards 2020. Innovations recognised for this award include VITALSENS — a platform technology for wearable health monitoring device, "Arise" — standing wheelchair for disabled people and Shakti — India's first indigenous microprocessor.

"Both the government and industry have realised that disruption to status quo can be beneficial," said Ashutosh Sharma, secretary, department of science and technology, Government of India. IIT-M was previously adjudged the 'Top innovative Institution' in the country in Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2019 and 2020.

Date: 19th December 2020

Media: The Hindu Business Line (Clip attached)

Edition: New Delhi

Page No: 9

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu, Prof. Mohanasankar Sivaprakasam, Prof. Sujatha Srinivasan, Prof. V kamakoti

Headline: IIT-M adjudged 'Most innovative institute of the year' by CII

URL: <https://www.thehindubusinessline.com/news/education/iit-madras-adjudged-most-innovative-institute-of-the-year/article33365094.ece>

IIT-M adjudged 'Most innovative institute of the year' by CII

OUR BUREAU

Chennai, December 18

The Indian Institute of Technology Madras has been adjudged as 'The Most Innovative Institute of the Year' for its disruptive innovations by the Confederation of Indian Industry (CII).

This award is one of the categories in CII Industrial Innovation Awards 2020 and was bestowed during the '26th DST-CII Technology Summit' held virtually on December 9, says a press release from the institute.

The innovations highlighted in this award include the VITAL-SENS platform for clinical-grade wearable health monitoring, which includes the 'wireless continuous multi-parameter patient monitoring device' and related smartphone apps, developed by Mohanasankar Sivaprakasam, Faculty Head, Healthcare Technology Innovation Centre (HTIC), IIT Madras.

'Arise,' India's First Standing Wheelchair developed by Su-



jatha Srinivasan, Faculty Head, TTK Center for Rehabilitation Research and Device Development, IIT Madras and 'Shakti,' the nation's first indigenous microprocessor, developed by V Kamakoti, Department of Computer Science and Engineering, were also highlighted.

On the award, Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras, said, "We constantly focus on making our innovations employable by the domestic industry by providing global-level knowhow and fostering academia-industry collaboration."

IIT Madras was previously adjudged as the 'Top innovative

Institution' in the country in Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2019 and 2020.

Research park

IIT Madras is the first IIT in the country to have a full-fledged Research Park where many multinational and domestic corporate firms have established R&D centres. The Park also hosts the IIT Madras Incubation Cell, one of India's premier deep-tech incubators. At the end of October 2020, it has incubated 207 start-ups founded by students, alumni, faculty and staff of IIT-Madras and external entrepreneurs.

The start-ups incubated by IITMIC have attracted a investments to the tune of \$280 million from Angel Investors/VCs. Their combined market valuation is around \$844 million and generated a revenue of \$50 million during FY 2019-20. The start-ups of IITMIC have created over 4,000 jobs and filed over 125 patents, the release said.

Date: 19th December 2020

Media: The Indian Express

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu, Prof. Mohanasankar Sivaprakasam, Prof. Sujatha Srinivasan, Prof. V kamakoti

Headline: IIT-Madras bags 'The Most Innovative Institute of the Year' award

URL: <https://indianexpress.com/article/education/iit-madras-bags-the-most-innovative-institute-of-the-year-award-iitm-ac-in-7109826/>

The Indian Institute of Technology (IIT-Madras) has bagged the most innovative institute award of this year. The Confederation of Indian Industry (CII) conferred the 'The Most Innovative Institute of the Year' award to the institute for its innovations in the field of Healthcare, Technology, other sectors.

The award was given for the innovations- VITALSENS platform for clinical-grade wearable health monitoring, which includes the 'Wireless Continuous Multi-parameter Patient Monitoring Device' and related smartphone apps, developed by Mohanasankar Sivaprakasam, Faculty Head, Healthcare Technology Innovation Centre (HTIC). The other awards are for 'Arise,' India's first standing wheelchair by Prof. Sujatha Srinivasan, faculty head, TTK Center for Rehabilitation Research and Device Development and Shakti, first indigenous microprocessor, developed by Prof. V. Kamakoti, Department of Computer Science and Engineering.

Congratulating the winners, Ashutosh Sharma, Secretary, Department of Science and Technology said, "More incubators and startups have come in the last six years than the preceding 60 years. Both the Government and industry have realized that disruption to status quo can be beneficial. Awards like this one highlight the innovation in the institutes."

Date: 19th December 2020

Media: Trinity Mirror (Clip attached)

Edition: Chennai

Page No: 6

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu, Prof. Mohanasankar Sivaprakasam, Prof. Sujatha Srinivasan, Prof. V kamakoti

Headline: IIT-M adjudged 'The Most innovative institute of the Year' by CII

IIT M adjudged 'The Most Innovative Institute of the Year' by CII

Chennai, Dec 19: Indian Institute of Technology Madras has been judged as 'The Most Innovative Institute of the Year' for its disruptive innovations by the Confederation of Indian Industry (CII). This award is one of the categories in CII Industrial Innovation

Awards 2020 and was bestowed during the '26th DST-CII Technology Summit' held virtually on 9th December 2020.

The VITALSENS platform for clinical-grade wearable health monitoring, which includes the 'Wireless Continuous Multi-parameter Patient

Monitoring Device' and related smartphone apps, developed by Prof. Mohanasankar Sivaprakasam, Faculty Head, Healthcare Technology Innovation Centre (HTIC), IIT Madras 'Arise,' India's First Standing Wheelchair developed by Prof. Sujatha Srinivasan, Faculty Head, TTK Center for Rehabilitation Research and Device Development, IIT Madras 'Shakti,' the nation's first indigenous microprocessor, developed by Prof. V. Kamakoti, Department of Computer Science and Engineering Congratulating the winners, Prof. Ashutosh Sharma, Secretary, Department of Science and Technology, Government of India, who delivered the keynote address, said, "More incubators and startups have come in the last six years than the preceding 60 years. Both the Government and industry have realized that disruption to status quo can be beneficial. Awards like this one highlight the innovation in the Institutes."

IIT Madras was previously adjudged as the 'Top innovative Institution' in the country in Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2019 and 2020. ARIIA Ranking was launched by the Innovation Cell of Ministry of Education.

Thanking CII for this recognition, Prof. Ravindra Gettu, Dean (Industrial Consultancy and Sponsored Research), IIT Madras, said, "We constantly focus on making our innovations employable by the domestic industry by providing global-level knowhow and fostering academia-industry collaboration." The start-ups incubated by IITMIC have attracted a total investment to the tune of USD 280 million from Angel Investors/VCs. Their combined market valuation is around USD 844 million and generated a revenue of USD 50 million during FY 2019-20. The start-ups of IITMIC have created over 4,000 jobs and filed over 125 patents.



Cheap & Best Mens Salon Brand inaugurated its 10th new salon outlet at Oragadam road, Venkatapuram, Ambattur. Location in a spacious of 352sqft property, the sleek salon interiors consists of six cutting chairs, one back wash station and one facial room. With affordable price on hair cut for Rs.99/- and more attractive rates on other services with international ambience, Cheap & Best Mens Salon promise to provide you the best service. Cheap & Best Mens Salon are open from 7am to 10 pm all 365 days.

Date: 19th December 2020

Media: The Hindu- Tamil

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: ஐஐடி சென்னைக்கு சிறந்த படைப்பாற்றல் நிறுவன விருது: இந்தியத் தொழில்துறை கூட்டமைப்பு அறிவிப்பு (IIT Chennai Best Creative Institution Award: Industry Federation of India Announcement)

URL: <https://www.hindustamil.in/news/vetrikodi/news/613451-iit-madras-adjudged-most-innovative-institute-of-the-year-by-cii.html?frm=rss> more article

2019- 20ஆம் ஆண்டின் சிறந்த படைப்பாற்றல் கொண்ட நிறுவனம் ஐஐடி சென்னை என்று இந்தியத் தொழில்துறை கூட்டமைப்பு அங்கீகாரம் வழங்கியுள்ளது. மத்திய அரசின் அறிவியல் மற்றும் தொழில்நுட்பத் துறை மற்றும் இந்தியத் தொழில்துறை கூட்டமைப்பு ஆகியவை இணைந்து மெய்நிகர் முறையில் தொழில்நுட்ப உச்சி மாநாட்டை நடத்தின. இதன் நிறைவு விழா டிசம்பர் 9-ம் தேதி நடைபெற்றது. இந்த மாநாட்டில் இந்தியத் தொழில்துறை கூட்டமைப்பு சார்பில், ஐஐடி சென்னைக்கு 2019- 20ஆம் ஆண்டின் சிறந்த படைப்பாற்றல் கொண்ட நிறுவனம் என்ற விருது அறிவிக்கப்பட்டுள்ளது.

ஐஐடி சென்னை உருவாக்கிய அணிந்துகொள்ளக் கூடிய சுகாதாரக் கண்காணிப்புக் கருவி (VITALSENS- இதயத் துடிப்பு, உடல் வெப்பநிலை, ரத்த ஆக்ஸிஜன் செறிவு அளவு (SpO2) மற்றும் உடல் செயல்பாடுகளைக் கண்காணிக்கும் கருவி), நிற்கக் கூடிய வகையிலான சக்கர நாற்காலி (Arise- standing wheelchair) மற்றும் உள்நாட்டிலேயே தயாரிக்கப்பட்ட மைக்ரோபிராசஸர் (Shakti- indigenous microprocessor) ஆகிய கண்டுபிடிப்புகளுக்காக இந்த கவுரவம் அளிக்கப்பட்டுள்ளது.

இதுகுறித்து மத்திய அறிவியல் மற்றும் தொழில்நுட்பத் துறைச் செயலாளர் அஷுதோஸ் சர்மா கூறும்போது, "கடந்த 60 ஆண்டுகளில் இருந்ததைக் காட்டிலும் இந்த 6 ஆண்டுகளில் அதிக அளவிலான புத்தாக்கக் கண்டுபிடிப்புகள் நிகழ்கின்றன. ஐஐடி சென்னைக்கு அறிவிக்கப்பட்டுள்ள இத்தகைய விருதுகள், கல்வி நிறுவனங்களில் நிகழும் கண்டுபிடிப்புகளை முன்னிலைப்படுத்தும்" என்று தெரிவித்தார்.

முன்னதாக, கண்டுபிடிப்புகளில் சாதனை நிகழ்த்திய நிறுவனங்களின் அடல் தரவரிசைப் பட்டியல் (ARIIA) சார்பில் 2019-20ஆம் ஆண்டுக்கான தேசத்தின் தலைசிறந்த கண்டுபிடிப்பு நிறுவனம் என்ற விருதை ஐஐடி சென்னை பெற்றது குறிப்பிடத்தக்கது.

Date: 19th December 2020

Media: Tech Gig

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT Madras bags 'The Most Innovative Institute of the Year' Award

URL: <https://content.techgig.com/IIT-Madras-bags-The-Most-Innovative-Institute-of-the-Year-Award/articleshow/79816777.cms>

The Indian Institute of Technology (IIT) Madras has secured a top award from the Confederation of Indian Industry (CII) for innovations. The award titled 'Most Innovative Institute of the Year' was offered during DST-CII Technology Summit.

The institute has secured the award for its achievements in Healthcare, Technology and other categories. The award is offered to innovations including VITALSENS for clinical-grade wearable monitoring. The innovations include the wireless continuous multi-parameter patient monitoring devices.

Another innovation by IIT Madras is 'Arise' standing wheelchair for disabled people and Shakti - India's first indigenous microprocessor.

Ashutosh Sharma, secretary of the Department of Science and Technology at Government of India said, "Both the government and industry have realised that disruption to status quo can be beneficial. The award also highlights the innovation in the institutes."

The institute was previously recognised as the Top Innovation Institution in Atal Ranking of Institution on Innovation Achievements (ARIIA). The ranking was first launched in 2019 and 2020.

Ravindra Get, dean of industrial consultancy and sponsored research at IIT Madras said, "We constantly focus on making our innovations employable by the domestic industry by providing global level know-how and fostering academia-industry collaboration."

The joint collaboration and efforts between the industry and government have helped in realising that disruption to status quo can be beneficial. Awards like CII highlight the innovations led by Indian institutes.

Date: 19th December 2020

Media: Edu Advice

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu, Prof. Mohanasankar Sivaprakasam, Prof. Sujatha Srinivasan, Prof. V kamakoti

Headline: IIT Madras adjudged 'The Most Innovative Institute of the Year' by CII for its Disruptive Innovations

URL: <http://eduadvice.in/home/NewsDetail?pid=32264>

The Indian Institute of Technology (IIT) Madras has secured a top award from the Confederation of Indian Industry (CII) for innovations. The award titled 'Most Innovative Institute of the Year' was offered during DST-CII Technology Summit.

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Date: 19th December 2020

Media: Purple Guide

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: IIT Madras declared 'Most Innovative Institute of The Year' by Confederation of Indian industry

URL: <https://purpleguide.in/iit-madras-declared-most-innovative-institute-of-the-year-by-confederation-of-indian-industry/>

The Indian Institute of Technology (IIT) Madras has secured a top award from the Confederation of Indian Industry (CII) for innovations. The award titled 'Most Innovative Institute of the Year' was offered during DST-CII Technology Summit.

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Date: 19th December 2020

Media: Brand Awareness

Edition: Online

Journalist: NA

Professor: Prof. Ashutosh Sharma, Prof. Ravindra Gettu

Headline: The most innovative institute of the year goes to IIT-Madras now

URL: <https://news.brandawareness.in/2020/12/18/iit-madras-receives-most-innovative-institute-of-the-year-award-times-of-india/>

The Indian Institute of Technology (IIT) Madras has secured a top award from the Confederation of Indian Industry (CII) for innovations. The award titled 'Most Innovative Institute of the Year' was offered during DST-CII Technology Summit.

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Date: 21st December 2020

Media: The Hindu Business Line (Clip attached)

Edition: Bangalore / Chennai / Hyderabad / Kolkata / Mumbai / New Delhi

Page No: 1,8

Journalist: M Ramesh

Headline: Packing batteries with more punch

URL: <https://www.thehindubusinessline.com/specials/packing-batteries-with-more-punch/article33377693.ece>

Packing batteries with more punch

Indian researchers are working on cells that can store more energy, last longer

M RAMESH

The scientific world is all charged up about developing batteries that can store more energy – and India seems to be at the forefront of the exercise.

A cell, which is a unit of a battery, has four parts – anode, which supplies electrons; cathode, which receives them; electrolyte, the medium through which the anode atoms that have lost an electron (or ion) move to the cathode; and separator, a physical barrier between anode and cathode (together called electrodes).

Of these, the separator's role is limited; intense research is on globally to make the other three better.

The favourite material for anode today – no prizes for guessing! – is lithium, for it is a very light metal with electrons to give away (though scientists are also trying out other metals such as sodium and iron). The anode is typically a compound of lithium, because pure (metallic) lithium is an uncontrollable brat. This compound is usually kept embedded in graphite.

The focus of many researchers is on developing better anodes so that a cell packs more energy and lasts longer. Scientists at the Hyderabad-based International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI) and IIT-Madras recently announced the development of a "high-performance" anode made of a composite material – an orthorhombic form of molybdenum trioxide and 'single-walled carbon nanohorns' (SWCNH).

(The SWCNHs are composed of thousands of carbon nanocones, which typically exist as spheres of 80 nanometres diameter. A nanometre is a billionth of a metre.)

This can load a lot more charge and speed up charging. "With a scalable synthesis technique and superior cell performance, the molybdenum trioxide/SWCNHs composite anode could replace the existing graphite-based anode for the next-generation lithium-ion batteries," says Dr R Prakash, a scientist at ARCI.

ARCI has also developed a new process for making the more conventional anode – lithium titanium oxide (LTO) – which has the potential to



bring down the cost of a battery. The scientists used different input materials (precursors) – TiO_2 and Li_2CO_3 , ARCI scientist Dr S Anandan says.

Solid state battery

Another significant research pertains to the development of a new type of electrolyte, a solid called 'lithium garnet', by Prof Ramaswamy Murugan of the University of Pondicherry. Murugan's solid electrolyte has a crucial advantage – it enables the use of metallic lithium, which can donate more electrons, which, in turn, means more energy can be stored.

Solid state batteries are the future, Prof Murugan tells *Quantum*, because of their high energy density.

"The combination of lithium garnet with metallic lithium is perfect," he says, but notes there is still work to be done at the interface between the electrolyte and the cathode. He is trying to solve this by adding a polymer nano composite to the electrolyte.

Murugan says the technology can deliver energy density of 350 Whr/kg initially, which can easily be scaled up to 500 Whr/kg. Conventional lithium-

ion batteries – of 100-260 Whr/kg capacity – are used everywhere, from cellphones and laptops to electric vehicles, but with greater storage capacity, can even power planes (see article below). His research promises to lead to cutting-edge anode-free lithium batteries, where they put a little of the metal on the cathode itself and produce the anode in-situ. This, incidentally, is the technology pursued by a US-based start-up called QuantumScape, founded by an Indian, Jagdeep Singh, and funded by Volkswagen and Bill Gates Foundation, and which went public just last year. Tellingly, the company's tagline is "the future is solid".

The next big breakthrough in Li-ion batteries is the commercial-scale production of a solid state battery, whose importance has been underscored by global experts such as Prof Werner Weppner of the University of Kiel, Germany. Niti Aayog has been apprised of Murugan's invention and Hyderabad-based, NSE-listed HBL Power Systems has shown interest in a tie-up.

Scientists are also on to sodium-ion,

iron-ion and zinc-ion anodes, too. While Dr AS Prakash and his team at the Central Electro-Chemical Research Institute (CECRI), Chennai, have developed a sodium-ion battery and fine-tuning its performance, Prof Ramaprabhu Sundara of IIT-Madras has come up with an iron-ion battery – the anode is a steel alloy with 0.15 per cent carbon, the cathode has vanadium pentoxide and the electrolyte is an iron perchlorate hydrate dissolved in non-inflammable ether.

His colleague, Dr Aravind Chandiran, is looking at a zinc-air battery, which will halve the cost per kWhr compared to conventional Li-ion

batteries. The project has got ₹1.49 crore government funding, besides support from Ashok Leyland and Hindustan Zinc.

However, most home-grown technologies fall into what is called the 'valley of death' – the grey zone between lab and market. Researchers that *Quantum* spoke to say that industry interface is crucial for bringing lab-grown technologies to the market.

Solid state batteries are the future

Date: 21st December 2020

Media: The CSR Times

Edition: Online

Journalist: NA

Headline: Packing Batteries With Extra Punch

URL: <https://www.thecsrtimes.com/2020/12/21/packing-batteries-with-extra-punch/>

The scientific world is all charged up about creating batteries that may retailer extra power — and India appears to be on the forefront of the train.

A cell, which is a unit of a battery, has 4 elements — anode, which provides electrons; cathode, which receives them; electrolyte, the medium by way of which the anode atoms which have misplaced an electron (or ion) transfer to the cathode; and separator, a bodily barrier between anode and cathode (collectively known as electrodes).

Of those, the separator's function is restricted; intense analysis is on globally to make the opposite three higher.

The favorite materials for anode in the present day — no prizes for guessing! — is lithium, for it's a very gentle steel with electrons to offer away (although scientists are additionally attempting out different metals corresponding to sodium and iron). The anode is often a compound of lithium, as a result of pure (metallic) lithium is an uncontrollable brat. This compound is normally stored embedded in graphite.

The main focus of many researchers is on creating higher anodes so that a cell packs extra power and lasts longer. Scientists on the Hyderabad-based Worldwide Superior Analysis Centre for Powder Metallurgy and New Supplies (ARCI) and IIT-Madras not too long ago introduced the event of a "high-performance" anode fabricated from a composite material — an ortho-rhombic type of molybdenum trioxide and 'single-walled carbon nanohorns' (SWCNH).

(The SWCNHs are composed of 1000's of carbon nanocones, which generally exist as spheres of 80 nanometres diameter. A nanometre is a billionth of a metre.)

This could load much more cost and pace up charging. "With a scalable synthesis approach and superior cell efficiency, the molybdenum trioxide/SWCNHs composite anode might substitute the present graphite-based anode for the next-generation lithium-ion batteries," says Dr R Prakash, a scientist at ARCI.

ARCI has additionally developed a brand-new course of for making the extra standard anode — lithium titanium oxide (LTO) — which has the potential to carry down the price of a battery. The scientists used completely different enter supplies (precursors) — TiO_2 and Li_2CO_3 , ARCI scientist Dr S Anandan says.

Stable state battery

One other important analysis pertains to the event of a brand new sort of electrolyte, a stable known as 'lithium garnet', by Prof Ramaswamy Murugan of the College of Pondicherry. Murugan's stable electrolyte has a vital benefit — it allows the usage of metallic lithium, which may donate extra electrons, which, in flip, means extra power might be saved.

Stable state batteries are the longer term, Murugan tells Quantum, due to their excessive power density.

"The mix of lithium garnet with metallic lithium is ideal," he says, however notes there may be nonetheless work to be accomplished on the interface between the electrolyte and the cathode. He's attempting to resolve that by including a polymer nano composite to the electrolyte.

By the way, Murugan's undertaking has been chosen for Authorities of India's monetary assist beneath an Indo-Hungarian science collaboration programme, which can cowl his bills of working with a Hungarian scientist. Hungarian assistance is sought to develop the polymer nano composite.

Murugan says that the expertise can ship power density of 350 Whr/kg initially, which may simply be scaled as much as 500 Whr/kg. Standard lithium-ion batteries — of 100-260 Whr/kg capability — are used in every single place, from cellphones and laptops to electrical automobiles, however with better storage capability, may even energy planes. His analysis guarantees to result in cutting-edge anode-free lithium batteries, the place they put just a little of the steel on the cathode itself and produce the anode in-situ. This, by the way, is the expertise pursued by a US-based start-up known as QuantumScape, based by an Indian, Jagdeep Singh, and funded by Volkswagen and Invoice Gates Basis, and which went public simply final 12 months. Tellingly, the corporate's tagline is "the longer term is stable".

The subsequent massive breakthrough in Li-ion batteries is the commercial-scale manufacturing of a stable state battery, whose significance has been underscored by world specialists corresponding to Prof Werner Weppner of the College of Kiel, Germany. Niti Aayog has been apprised of Murugan's invention and Hyderabad-based, NSE-listed HBL Energy Methods has proven curiosity in a tie-up.

Scientists are additionally on to sodium-ion, iron-ion and zinc-ion anodes, too. Whereas Dr AS Prakash and his crew on the Central Electro-Chemical Analysis Institute (CECRI), Chennai, have developed a sodium-ion battery and fine-tuning its efficiency, Prof Ramaprabhu Sundara of IIT-Madras has give you an iron-ion battery — the anode is a metal alloy with zero.15 per cent carbon, the cathode has vanadium pentoxide and the electrolyte is an iron perchlorate hydrate dissolved in non-inflammable ether.

His colleague, Dr Aravind Chandiran, is a zinc-air battery, which can halve the associated fee per kWhr in comparison with standard Li-ion batteries. The undertaking has bought ₹1.49 crore authorities funding, moreover assist from Ashok Leyland and Hindustan Zinc.

Battery expertise is among the many few applied sciences through which India is within the forefront of world efforts. For instance, CECRI's analysis in sodium-ion is on a par with work anyplace on the earth, says Dr Prakash.

Nevertheless, most home-grown applied sciences fall into what is named the 'valley of loss of life' — the gray zone between lab and market. Researchers that Quantum spoke to say that business interface is essential for bringing lab-grown applied sciences to the market.

Date: 21st December 2020

Media: The Hindu Business Line (Clip attached)

Edition: Bangalore / Hyderabad / Kolkata / Mumbai / New Delhi

Page No: 8

Journalist: M Ramesh

Professor: Prof. Mukesh Doble

Headline: Healing broken bones

URL: <https://www.thehindubusinessline.com/specials/life-science-healing-broken-bones/article33377423.ece>



LIFE SCIENCES

Healing broken bones

M RAMESH

To fix a broken bone, doctors often harvest another bone from the patient's body or from someone else. It is not always easy to find the right bone, so scientists have been exploring synthetic material—such as calcium phosphate and titanium—for bones.

Now, a team led by Prof Mukhesh Doble of the biotechnology department of IIT-Madras has come up with a new material—magnesium alloy.

While small fractures can be treated with plates and rods, 'segmental defects' or fractures longer than 5 cm in long bones (such as the ones in the forearm, leg or thigh that are about a foot long) take a long time to heal and need some sort of support. A titanium mesh cage is placed in the gap, which stabilises the bone and helps it heal. But titanium does not degrade—it remains in the body permanently, causing other problems.

Magnesium's capability to heal bones has been known, but the problem is the opposite of titanium—it degrades. Prof Doble's team has tackled this by coating magnesium with slow degrading polymers called 'polycaprolactone' and 'hydroxyapatite', using a coating technique known as electrospinning.

"Hydroxyapatite is a ceramic material naturally present at the bone extracellular matrix. It is the same as the bone material, so it doesn't cause any toxicity and integrates with the bone," says Prof Doble.

The team used AZ31, an alloy of magnesium, for the magnesium mesh cage implants. They then coated the implants with polycaprolactone and nano hydroxyapatite.

This nano-coated mag-

nesium mesh was then used to heal bone defects in the femur (thigh bone) of rabbits. The researchers found that the femur showed bone formation and also bridged the defect. This was possible due to the biocompatibility of polycaprolactone and nano-hydroxyapatite, which ensured good recovery without adverse reactions such as fibrosis.

"Current materials like titanium do not degrade, so they remain in the body forever," Prof Doble tells *Quantum*. "Also they have a much higher strength than bone, which is not desired. It leads to something called 'stress shielding'. Such strong material weakens the bone," he explains.

Magnesium, on the other hand, gets absorbed. It is part of the body, so does not create toxicity. With a mechanical strength close to bone, it has low stress shielding, he adds.

The nano coating provides 'osteo-conductive aligned structures'—on which bone can grow. This serves as a pathway for bone cells that divide and ultimately form bones to travel to the defect area and generate new bone.

This new way for making implants leads to better in-vivo bone formation.

"This work opens the way to the generation of clinically useful biodegradable bone implants with improved bone formation ability due to biomimetic strategies introduced in the implant design," writes Dr Ander Abarrategi, an expert in the field and Principal Investigator at the Spain-based CICbiomaGUNE Research Institute, in *IIT-M Tech Talk*.

Prof Doble says there is now a need to increase the number of tests on rabbits and larger animals. In-vivo studies also require large funds, which academic institutions cannot muster easily.



Miscellaneous News Items

Date: 1st December 2020
Media: The Indian Express
Edition: Online
Journalist: NA

Headline: IIT-Bombay best in country, 8 Indian institutes in top 500: QS World University Ranking 2021

URL: <https://indianexpress.com/article/education/qs-world-university-ranking-2021-iit-bombay-best-in-country-8-indian-institutes-in-top-500-7070566/>

The Indian Institute of Technology (IIT) Bombay is the best institute in India, as per the latest QS World University Ranking 2021. The institute has been ranked 172nd in top universities across the world by the Quacquarelli Symonds Ranking. Even as none of the Indian institutes could feature in the top 100, a total of eight institutes have found their place in the top 500.

The USA continued to dominate the ranking with four out of the top five institutes including the top rank holder MIT are from the country. Among Asian counterparts, the top-ranking is grabbed by the National University of Singapore.

QS World University Ranking 2021: Best institutes in India

Rank 172: IIT-Bombay
Rank 185: IISc Bangalore
Rank 193: IIT-Delhi
Rank 275: IIT-Madras
Rank 314: IIT-Kharagpur
Rank 350: IIT-Kanpur
Rank 387: IIT-Roorkee
Rank 470: IIT-Guwahati
501-510: University of Delhi
601-650: IIT-Hyderabad
651-700: Jadavpur University

QS World University Ranking 2021: Best institutes across the world

Rank 1: Massachusetts Institute of Technology (MIT)
Rank 2: Stanford University
Rank 3: Harvard University
Rank 4: California Institute of Technology
Rank 5: University of Oxford
Rank 6: ETH Zurich
Rank 7: University of Cambridge
Rank 8: Imperial College London
Rank 9: University of Chicago
Rank 10: UCL

QS ranking claims universities from across 80 different locations were ranking across six metrics — academic reputation, employer reputation, faculty-student ratio, citations per faculty, international faculty ratio, and international student ratio.

In the recently released, Employability Ranking, **IIT-Delhi was ranked as the most employable institute in India**. Globally, even as US-based institutes did well, the report claimed that both US and UK are losing their sheen as Asian-counterparts including India is providing employable graduates.

Date: 1st December 2020

Media: The Times of India (clip attached)

Edition: Chennai

Page No: 5

Journalist: Ragu Raman

Professor: Prof. Bhaskar Ramamurthi

Headline: IIT-M semester exams maybe held at all-India centres

IIT-M semester exams maybe held at all-India centres

Ragu.Raman@timesgroup.com

Chennai: IIT Madras plans to conduct the July-November 2020 semester exams at centres throughout the country in pen and paper mode from December 14 to 23. While IIT says this will reduce travel by students from their houses during the pandemic, students cite the second wave of Covid-19 and want an online proctoring test to avoid travel and the risk of infection.

Officials from IIT Madras said nothing had been finalised and they would take a decision in the next few days. IIT Madras started online courses for BTech and dual degree students in August. With most of the courses completed, the institute is planning to conduct exams for 2,500 students.

In an email to the students, Bhaskar Ramamurthi, director of the Institute, said, "We have gone to great lengths to ensure that you have to travel as little as possible from your homes. Towards this, we are requesting centres (schools/NPTEL partner institutions) throughout the country to conduct the exams for us."

He further said no student was under any compulsion to write exams in this mode. "If a student prefers not to write the exams in this period, he or she may opt out of the entire end-semester exams now and makeup exams as and when IIT-M reopens and can return," the mail said adding that a student cannot selectively opt out of exams in some courses.

The institute claimed



While IIT says this will reduce travel by students from their houses during the pandemic, students cite the second wave of Covid-19 and want an online proctoring test to avoid travel and the risk of infection.

that 57% of students have to travel around 5 km or less in this mode while others have to travel from 5 km to 20 km.

However, Students Legislative Council (SLC), a student body at IIT Madras, opposed the move to conduct exams at TCS ION centres, a partner institution of NPTEL. It claimed that for 43% of students, the nearest TCS ION centre is located 40 km away and 55% of students have to rely on public transport to travel to the exam centre. "In many states, there are signs of a Covid-19 second wave. Hence, choosing public transport or gathering together in the exam centre will be dangerous. Many students have senior citizens in their family," a resolution passed by SLC said.

"The alternative to take exams later on when the institute reopens is not possible for most of us as we have exams of nine to ten courses pending," a third-year student from IIT Madras said.

Date: 1st December 2020

Media: The Hindu (clip attached)

Edition: Chennai

Page No: 4

Journalist: Sangeetha Kandavel

Headline: Chennai firm to validate bugs, software flaws

URL: <https://www.thehindu.com/news/cities/chennai/chennai-firm-allowed-to-validate-bugs-software-flaw/article33208167.ece>

Chennai firm to validate bugs, software flaws

SANGEETHA KANDAVEL
CHENNAI

Cyber Security Works (CSW), a firm based out of the IIT-Madras Research Park, has been named a CVE Numbering Authority. This means CSW researchers can help validate any new bug, software flaw or misconfiguration discovered in a software product or language, device or operating system, assign a CVE (Common Vulnerabilities and Exposures) ID to the bug and present it to MITRE, which will then feed into the National Vulnerability Database (NVD).

“Maintaining a universal database of this sort helps software teams, developers and security experts refer to the vulnerability at one centralised place and saves significant time and costs,” said Ram Movva, president and co-founder of CSW. CSW is the second Indian company to be recognised as a CVE Numbering Authority. India has a vibrant ethical hacking community.

“We have a team of researchers and ethical hackers who have discovered 45-plus zero days (new bugs and vulnerabilities),” Mr. Movva said.

Date: 1st December 2020

Media: The Economic Times (clip attached)

Edition: Chennai / Kolkata / New Delhi

Page No: 12

Journalist: Sreeradha D Basu, Prachi Verma Dadhwal

Headline: Cohesity may Emerge as Top Paymaster at IITs

URL: <https://economictimes.indiatimes.com/jobs/as-placements-go-virtual-cohesity-may-emerge-as-the-top-paymaster-at-iits/articleshow/79490473.cms>

Cohesity may Emerge as Top Paymaster at IITs

US co to offer salaries of \$200,000 per annum on a CTC basis for US roles, highest so far

Sreeradha D Basu &
Prachi Verma Dadhwal

Kolkata | New Delhi: US information technology company Cohesity is likely to emerge as the top paymaster this year at the Indian Institutes of Technology, where final placements in virtual mode start on December 1.

Officials from leading campuses told ET that the San Jose-based company will offer salaries of \$200,000 (₹1.48 crore) per annum on a cost-to-company basis to the selected students for US roles, which is the highest package for the Class of 2021 so far.

According to IIT placement team members, Cohesity will offer a gross salary of \$120,000 per annum, while variable components and stock options account for roughly \$80,000.

"The offer packages have been shared with the respective placement cells and they are very competitive," Apurv Gupta, chief

AT THE TABLE



Cohesity likely to offer highest salary package at IIT final placements

The company offering a CTC of **\$200,000** (₹1.48 crore) for US roles, say campus sources

Hiring for software engineer and research engineer roles

Cohesity only one among last year's top paymasters including Microsoft, Uber, Salesforce that has confirmed US as a location

JOHN REGISTER, Green Chair

technology officer of Cohesity, said in an email response to ET, without mentioning figures. The company will visit the IITs at Bombay, Kanpur, Madras, Delhi, Kharagpur, Roorkee and BHU (Varanasi) to hire software engineers and research engineers. "We'll be hiring for both India and US roles. Candidates offered a position in the US

will move as soon as their visa situation permits," said Gupta. The company hires about 30 college graduates from India each year.

"This year's hiring goal is slightly more than last year," added Gupta.

Cohesity, along with Salesforce, Microsoft and Uber, had offered pay packages of ₹1 crore-plus for the cream of engineering talent at

the IITs during the final placements last year. As reported by ET on Friday, the other three companies are yet to confirm hiring for US locations, though they may move some students to the US once the Covid-19 situation improves.

An Uber spokesperson told ET that it's bullish on its long-term growth plans and will be recruiting for software engineering and product management roles.

Even in a year wracked by uncertainties because of the pandemic, most recruiters continue to maintain their relationships with these top engineering campuses. The IITs have tapped alumni networks and onboarded a bunch of new recruiters to offer graduating students more options.

Campus placement cells across the old IITs said that companies offering high pay packages for international and domestic locations this year include Ally Financial, Graviton Trading, Quantbox, MTX Group, Quadeye, AB InBev and Microsoft.

Date: 1st December 2020

Media: Financial Express (clip attached)

Edition: Ahmedabad /Mumbai /Bangalore / Chennai / Hyderabad / Kolkata / New Delhi

Page No: 10

Journalist: NA

Headline: Indian Bank EGM approves using share premium to set off Rs 18, 975-cr accumulated losses

Cheering a lap-win in an unfinished race

Cheap solar generation cannot by itself fix most of the multi-faceted stresses facing the power system, unless issues of market structure, discom finances, timely payment of generators and contractual sanctity are addressed

**ROHIT
CHANDRA**

Assistant professor, IIT Delhi and visiting fellow at CPR. Views are personal

EARLIER THIS WEEK, in a new round of SECI auctions, bids for supplying power from new solar PV plants purportedly hit historic new lows at ₹2/kWh. This tumble was driven by aggressive bids from Saudi firm Aljomaih Energy, a subsidiary of the Singapore's Sembcorp, and NTPC, closely on their heels, amongst a field of 14 bidders.

As we see the solar tariffs in SECI auctions tumble repeatedly in the last few years, one cannot help but think of the L1 seeking ruinous competition that has characterised many infrastructure bidding processes over the last few decades (consider Acme's recent cancellation of its ₹2.44/kWh project). Without some serious financial creativity, there are a few realistic project finance models under the sun that can produce a positive NPV at these prices, assuming realistic generation tariff-based income is the only source of income for the project. Not surprisingly, domestic banks are baulking at lending to any RE PPA under ₹3/kWh on the grounds of financial viability.

So then why are companies bidding so low? Such low prices cannot be justified simply through declines in panel prices (under threat due to growing disputes between India and China), advances in technology (which mostly bring marginal, not huge discontinuous changes in pricing), or any other traditional input into project finance models.

However, there are other reasons possibly driving down these bids. Consider foreign players who are looking to enter the Indian power market and test the waters. Such companies are willing to absorb a small loss (since RE plants are cheap to set up) to understand how to function and navigate in the Indian regulatory system. New Saudi, French, and Spanish companies would fall into this bucket. Some domestic companies are desperate to deploy capital quickly;

those who have raised short-term, high-risk money (primarily from private equity) and promised high returns, have an urgency to show progress to their investors, which requires aggressive moves in both capacity auctions and on the acquisitions markets. Many large Indian RE players would fall into this bucket.

In fact, observing the amount of mergers and acquisitions activity in the Indian RE space over the last few years, it is quite clear that once a company wins an auction, builds an asset, and gets it charged and generates cash flows, there are a range of investors from pension funds to aggregators to international energy firms and more, who would consider buying the asset. As long as a world awash with capital looking for green investments values the low-risk long tail of payments that accompanies RE plants, low bids may just be a way of getting a piece of the market, hoping to flip the asset soon after its completion.

Securing the land, procuring (largely imported) components, setting up the plant, connecting to the grid, ensuring PPA contract enforcement, and coaxing timely payment out of stressed discoms are among the tasks that await the auction winner. While many of these steps have been mitigated by the central government's policy interventions, particularly when trying to de-risk the off-take by discoms and payment by using NRVNL as an aggregator, power sector development in India is still a specialised activity. A range of firms which entered this space with little to no experience in power and government contract management have sold low and exit the industry in the last five years; consequently, the industry has consolidated considerably.

The ₹2/kWh benchmark (and any future lower bids) serves a range of

rhetorical and narrative purposes as well; it furthers the argument that renewable energy is definitively cheaper than coal-based power generation (wilfully ignoring substantial system integration and backup power costs), it helps the investment case for RE-adjacent technologies (particularly grid-scale storage which can unlock RE's broader potential), and it furthers India's leadership in this space (as one of the co-chairs of the ISA) and demonstrates progress towards its climate commitments. What it does not do, unfortunately, is substantially allay discoms' concerns about RE procurement.

The obsession with the low price of power, regardless of technology, has consistently been to the detriment of other parts of the Indian power system. Low RE prices do not fix state power planners' concerns with variability (if the sun doesn't shine or the wind does not blow) and reduce their desire for firm power, it does not get rid of discoms' incentives to buy in-state power because of their severe liquidity constraints, it does not bump private companies up the hierarchy of payment priority. On the margin, it may help in justifying the signing of some new PPAs, but it cannot guarantee any curtailment or full utilisation.

So, while we should cautiously applaud these new lows in price discovery, we should also be aware that victory is still quite far in the distance; what we want is a stable, robust power system which can provide reliable, affordable power for all. Cheap RE generation cannot by itself fix most of the multi-faceted stresses facing the power system. Until issues of market structure, discom finances, timely payment of generators and contractual sanctity are addressed, the occasional salve of cheap intermittent power will remain just that: temporary relief.

Date: 1st December 2020

Media: The Telegraph (clip attached)

Edition: Kolkata

Page No: 1,3

Journalist: Basant Kumar Mohanty

Headline: Centre's mother tongue push worries IITs

URL: <https://www.telegraphindia.com/india/govts-mother-tongue-push-worries-iits/cid/1799073>

pand their facilities to accommodate the quota, whereas they need more than Rs 20,000 crore, the official said.

"The 25 per cent increase in seats has caused a shortage of hostel berths, which the 50 extra seats will aggravate," he said.

"Besides, we need to expand our laboratory and classroom facilities and recruit more teachers. But no expansion is happening on any front."

Government officials said no discussions had taken place with the IITs on the decision to have regional language BTech courses.

Sunil Mukhi, a professor at the Indian Institute of Science Education and Research, Pune, said any decision about the IITs should be taken by the

IIT Council, and after consultations with the institutes.

"If the objective is to ensure that bright students who are weak in English do not miss out on the quality education the IITs can provide, I would say it's a nice idea," he said.

"But it involves certain challenges. Are the teachers trained enough to teach (in the regional languages)? Will the government provide funds to train them?"

Mukhi said the career opportunities of IIT students who take the regional language courses would be limited to a single state, or a handful of states.

"The brighter students would not want to limit the scope of their career within the state. They have the natu-

ral aspiration to serve nationally and globally," he said.

**BASANT KUMAR
MOHANTY**

New Delhi: Teachers and officials at the Indian Institutes of Technology are worried about a government move to introduce BTech programmes in Indian languages at these institutions from 2021.

They have cited possible damage to these premier tech schools' brand image and problems relating to infrastructure, teacher training and the students' career possibilities.

Several independent academics and retired professors too have questioned the government decision on these grounds, while also citing the lack of engineering books and terminology in the Indian languages.

The announcement came on Thursday from the education ministry, which said the IITs and the National Institutes of Technology (NITs) would offer BTech courses in the "mother tongue" too. Currently these tech schools teach BTech courses only in English.

Government officials clarified that the "mother tongue" referred to the principal language of the state in which a particular IIT was located, and that the option would probably be restricted to three courses: computer science, electronics and civil engineering.

So, while IIT Kharagpur would teach these three subjects to undergraduates in Bengali apart from English, IIT Bombay and IIT Madras would do so in Marathi and Tamil, respectively, they said. The IITs located in the Hindi-speaking states will offer these programmes in Hindi and English.

The officials said that each of the IITs would have to create 50 extra seats for students seeking to be taught in the regional language.

This means that would-be engineers will have the option of taking the JEE Advanced and JEE Main — through which the IITs and the NITs fill their seats, respectively — in all the major regional lan-

guages too. Currently, the JEE Advanced can be written in Hindi and English while the JEE Main allows Gujarati as well.

Those taking these exams successfully in the newly introduced languages will now figure on a separate merit list and will be eligible for admission only to the 50 extra seats created for them in each IIT, two officials said.

"There's huge worry (over the government decision) within the IIT system," an IIT official who did not wish to be quoted said.

"The brightest students will not want to enrol in the regional language courses. This will hurt the IITs' national character and their brand image as quality institutions."

The IIT official said that many students who take their board exams in their mother tongue go on to do well at the IITs despite the language of instruction being English.

But if learning in English is not difficult for these students, learning to teach in the regional language could prove difficult for the faculty, he said.

A senior official from an-



**File picture of IIT
Kharagpur**

other IIT said the 50 extra seats for the regional language courses would add nearly eight per cent seats to each IIT's BTech programme.

The IITs have over the past two years already added 25 per cent seats to implement the Economically Weaker Sections reservation. The government has allocated only Rs 429 crore for them this year to ex-

Date: 1st December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Headline: Public unhappy with both govts: Chandy

URL: <https://www.thehindu.com/todays-paper/tp-national/public-unhappy-with-both-govts-chandy/article33217742.ece>

Cong. leader flays NDA's handling of farmers' protest in Delhi

Former Chief Minister and Congress Working Committee (CWC) member Oommen Chandy has said that the growing discontent against both the Union and State governments will reflect on the local body polls.

Lashing out at the National Democratic Alliance (NDA) government, the Congress veteran said the farmers' agitation in New Delhi marked a landmark moment in the country's history. He blamed the Centre for going ahead with the new agriculture laws by turning a blind eye towards the farmers' woes.

"The government would not have hesitated to initiate talks with the protesters had they intended their well-being. The new legislations are meant to cater to the interests of corporate companies," he said.

PSC rank lists

The former Chief Minister criticised the LDF government for deciding against extending the period of Public Service Commission (PSC) rank lists beyond three years, even in the absence of fresh lists.

"The previous United Democratic Front (UDF) government had extended the period of 11 rank lists to four-and-a-half years within the scope of PSC rules. The CPI(M) has been hell-bent on cancelling rank lists to appoint party loyalists in various posts," he said.

Mr. Chandy maintained that the LDF was to be blamed for the Palarivattom flyover fiasco. The Pinarayi Vijayan government was hasty in commissioning the flyover without obtaining proper certification and also failed to conduct the load test recommended by experts from IIT Madras.

Date: 1st December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Headline: Kundannoor flyover to undergo load test

URL: <https://www.thehindu.com/news/cities/Kochi/kundannoor-flyover-to-undergo-load-test/article33217131.ece>

IIT-Madras to execute the process; defects to be rectified by builder firm at its own expense

Doubly cautious following the Palarivattom flyover fiasco, the Roads and Bridges Development Corporation of Kerala (RBDCK) has requested structural engineering experts from IIT-Madras to conduct a load test on the six-lane Kundannoor flyover which, along with the Vyttila flyover, is slated for commissioning in mid-December.

The condition that a load test should be done if RBDCK insisted, had been mentioned in the agreement with the construction company that built the Kundannoor flyover, said Jafar Malik, Managing Director, RBDCK. "Bituminous concreting work will get over in two days, following which load test will be done over a two-day period. Its report will be ready in around a week," he added.

Defects, if any, will have to be rectified by the builder company at its own expense. RBDCK will foot the approximately ₹3 lakh expense of the load test, if everything is good, he said.

Load test is considered the final procedure to verify a flyover's structural integrity.

Furthermore, RBDCK has requested the government to constitute a committee comprising three chief engineers from the Public Works Department (PWD), to inspect the structure and give a report, it is learnt.

Vyttila flyover

The PWD (NH Wing), which built the Vyttila flyover, had been entrusted with the supervision of the Kundannoor flyover work.

Sources in the PWD (NH Wing) said that painting of road markings on Vyttila flyover and roads at the junction would get over in a few days. This will be followed by erection of direction boards. A load test will be done, if instructed by the Kerala Road Fund Board (KRFB), which funded the project, they added.

Cochin Smart Mission Limited (CSML) has already completed a major portion of traffic signal installation work at Kundannoor Junction, while it will pick up the pace at Vyttila Junction, where five roads converge, in the coming days. The undulating service roads at Kundannoor will be repaired once the flyover is commissioned, to prevent traffic hold-ups, the sources said.

Palarivattom flyover

Meanwhile, the Delhi Metro Rail Corporation (DMRC) has completed 95% of work to dismantle girders and pier caps of the damaged Palarivattom flyover, two months since the work to rebuild the structure began. The debris of the dismantled structure comprising concrete and the black-topped portion was used to fill approaches within the retention walls of bridges that are under construction.

The girders of the central span have been retained, since they were built using pre-stressed technology, unlike the RCC girders that were dismantled. Work to strengthen pillars using concrete jacketing is under way. A few pier caps too were launched.

Pier caps and girders are under different stages of completion at the DMRC yard at Kalamassery.

Date: 1st December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Alumni: S. Ramakrishnan

Headline: Former VSSC director dead

URL: <https://www.thehindu.com/news/national/kerala/former-vssc-director-dead/article33222746.ece>

He held office from 2013, was a Padma Shri recipient

S. Ramakrishnan, former Director of Indian Space Research Organisation's Vikram Sarabhai Space Centre (VSSC), died here on Tuesday. He was 71 and resided at TC 29/1529, Post office Lane, Perunthanni.

Mr. Ramakrishnan joined the VSSC, a lead centre of the Indian Space Research Organisation (ISRO), in August 1972 after graduating from the College of Engineering, Guindy, and acquiring his MTech in Aeronautics from IIT, Madras.

He joined as a member of the SLV-3 project team responsible for the development of India's first satellite launch vehicle under the leadership of A.P. J. Abdul Kalam. He then moved to the Polar Satellite Launch Vehicle (PSLV) project in 1983 and worked on liquid propulsion systems. He was also project director for the PSLV continuation programme, and later, mission director for the PSLV C1, C2, C3 and C4 flights.

In 2003, he took over as Project Director, GSLV-Mk III. He became Director of the Liquid Propulsion Systems Centre (LPSC) in June 2010, and three years later, in 2013, he took over as VSSC Director.

Mr. Ramakrishnan is a recipient of the Dr Biren Roy Award conferred by the Aero Society of India and the Astronautical Society Award for outstanding contributions towards launch vehicle development and operationalisation of the PSLV. He received the Padma Shri in 2003.

Mr. Ramakrishnan leaves behind wife Anuradha, daughter Harini and son Shyam. The cremation will be held at 12 noon Wednesday at the Puthenkotta crematorium.

Chief Minister Pinarayi Vijayan condoled the death. Mr. Ramakrishnan was an expert in launch vehicle technology and played important roles in the development of the SLV-3, PSLV and GSLV Mk-III, he said.

Date: 1st December 2020

Media: Deccan Herald

Edition: Online

Journalist: NA

Student: Akash Kumar

Headline: A case for shutting down BSNL

URL: <https://www.deccanherald.com/opinion/a-case-for-shutting-down-bsnl-921991.html>

India's public-sector telecom operator BSNL traces its history back to the telegraph days. It'd have also been relegated to a relic of the past by now just like the telegraph, had it not been for the government bailouts and privileges it enjoys. According to Kotak Institutional Equities, its accumulated operating losses had crossed Rs 90,000 crore by March 2019 and it made further losses of Rs 39,000 crore from April-December 2019. Airtel, a private telecom operator had to file for bankruptcy because it had an operating loss of Rs 120 crore, a number that looks meagre in front of BSNL's losses. So, what's the *raison d'être* for BSNL's existence? Is it providing access to people who are poor or are in remote areas? If you leave out wired broadband in which BSNL enjoys an unfair advantage over its competitors owing to preferential treatment, that is not the case either. In 2011, TRAI had raised an issue with the then government's decision to designate BSNL as the executing agency for National Optical Fibre Network (later renamed as BharatNet) but the government went ahead regardless. It was not until late 2017 that private providers like Jio and Airtel were allowed to purchase bandwidth from the fibre network set up by BharatNet. On what turned out to be a not-so-auspicious occasion of Gandhi Jayanti for me, I applied for a BSNL Bharat Fiber connection which is the only one available in my hometown of Motihari, five hours away from the nearest airport in Patna. I was notified that their sales service would get back to me soon (how soon was unspecified, and intentional now that I think). I received no response for weeks. More than five visits to the BSNL office and three weeks later, a private subcontractor who enjoys a monopoly having been designated by BSNL officials as the contact point, showed up at my door. For less than a third of subscribers that Airtel has, BSNL has more than 12 times the number of employees that Airtel employs. But it still outsources a lot of its work to subcontractors. The subcontractor demanded Rs 5,500 for the connection while the official communication I had received from BSNL said that I didn't need to pay in advance for subscription or installation. I was promised installation in four days and when it didn't happen for over a month, he had a plethora of excuses to explain it. First, it was Bihar polls, then it was Diwali, Chitragupta Puja and Chhath. The onus was always on me to be in contact with the BSNL office and the subcontractor. It took me over 45 days to get the activation email from BSNL and they haven't yet installed the device. Close to two months on, numerous visits and immense mental tribulations later, I still don't have a connection. I missed my exams, and now my placement interviews seem to be on a cliffhanger. In an eerie reminder of the license-raj era, an acquaintance had applied for a broadband connection in the summer of 2016 and hasn't gotten it yet notwithstanding the fact that he filed several complaints and the DSL service he applied for is itself out of touch with the fast-paced technological changes now. Anecdotes tell me that it would have been a different story had I been in a position of power. BSNL officials apparently do this at the beck and call of a politician or a bureaucrat and that partially explains the enduring charm of the good-old IAS among the educated youth in the Hindi heartland. Compare this experience to my Airtel DTH service which on registering a complaint, sends a representative to rectify any issue within 45 minutes. The marketplace provides, and any discrimination has a cost unless you are an inefficient government-owned company being bailed out on hard-earned taxpayer money. It would be a mistake to think that this is an isolated event or that the problem is confined to just BSNL. It's not that people working at BSNL or at other PSUs are essentially bad or lazy people. The problem is that they are working under a bloated bureaucratic system that doesn't incentivize competence or customer service. Those who oppose privatisation of PSUs claim that the government turned BSNL unprofitable by opening the sector up and giving into the private sector. But BSNL was profitable only till it enjoyed an effective monopoly of the sector with the help of state patronage. The company has not made a profit in any year starting 2009-10. The real telecom revolution in India happened after private companies took mobile connectivity to the poorest of Indians in the remotest of villages. Last

year, the Government of India merged BSNL and MTNL and bailed the entity out with approximately Rs 70,000 crore of taxpayers' money. If you just account for the 5.65 crore income taxpayers of the country, that would amount to upwards of Rs 12,000 on an average income taxpayer. But even a daily wage labourer pays a tax when he buys anything that has GST levied on it. So an average Indian, be it a user of Jio or Airtel, paid Rs 550 to sustain BSNL & MTNL last year. The current Prime Minister has invoked Gandhi's Talisman multiple times while speaking in the public fora. Would Gandhi approve of the inhumane nature of this state subsidy that uses the taxes collected from the poorest of the poor to protract the eventual crumbling down of the inefficient public telco? I don't think so. Notwithstanding your political convictions, shouldn't you be opposing this atrocity? Should this money be either left in the hands of the people by reduction of direct/indirect taxes or be better invested in education or health? Budget allocation for a particular year, unlike voluntary exchange and free trade, is a zero-sum game. The government that was elected first on the premise of "minimum government, maximum governance" has been more than happy to flush money down the drain by bailing out BSNL (and countless other poor-performing public sector firms). Only words proclaiming the government has no business being in business wouldn't do. Actions from the central government need to speak, and they need to speak louder than PM Modi's words. Close it down or sell it off but don't waste our money on this monstrosity further. Most consumers have already done it, now it is high time that the government hangs up on BSNL!

Date: 1st December 2020

Media: The Times of India

Edition: Online

Journalist: NA

Headline: Kalpathi ventures back into education space, focus on competitions

URL: <https://timesofindia.indiatimes.com/home/education/news/kalpathi-ventures-back-into-education-space-focus-on-competitions/articleshow/79511634.cms>

The Rs 4,000 crore Kalpathi AGS Group, led by Suresh Kalpathi, is getting back into education space with Veranda Learning Solution - this time online - focused on competitive exams and niche software courses. The group is also looking at acquisitions for faster growth and expansion with a total investment kitty of Rs 50 crore for Veranda Learning. In 1991 Kalpathi, along with his two brothers Kalpathi S. Aghoram and Kalpathi S. Ganesh set up SSI Ltd as an IT training provider in Chennai. The SSI later acquired Aptech and grew into a global provider of education, consultancy & software services. It went on to become the first Indian IT company to be listed on the London Stock Exchange. Veranda Learning will offer training programmes in test preparation for all competitive exams in India and abroad, including IIT JEE, NEET, GRE/TOEFL/IELTS/GMAT, IAS, State PSC, Banking/Staff Selection/RRB, CA/ACS related exams, Medical, K-12, NTSE and Olympiads. It will also offer courses in software development namely databases, languages, development tools, cloud/analytics/big data/AI/ML platform. Kalpathi said the fee structure will be 50-75 per cent economical than the offline version. "The discipline and rigour of the offline classes are missing in the online model. A customer is interested in outcome. We will have the rigour of the class room coaching in our online classes," he said. "I studied for 12 hours a day to get into Indian Institute of Technology-Madras (IIT-M)," he recalled. He said the fees charged by many of the offline coaching institutes are affordable only to few but not for the real India and online courses offers that opportunity to cut the price. "We are not a price point player. We don't believe in burn rate. We want to be profitable from first year onwards," he added. According to him, the batches will have specific times and each teacher will have about 70 students. Kalpathi said in Tamil Nadu itself, about 30 lakh people appear for state government recruitment exams which itself offers an opportunity of about Rs 1,500 crore. "The Indian online education market, supported by macro-economic changes, improvements in product offerings and changes in business models, is expected to grow to \$1.96 billion by 2021 and to \$4.87 billion by 2024," he said.

Date: 1st December 2020

Media: New Kerala

Edition: Online

Journalist: NA

Headline: Kalpathi ventures back into education space, focus on competitions

URL: <https://www.newkerala.com/news/2020/208595.htm>

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Date: 1st December 2020

Media: Portland Indian

Edition: Online

Journalist: NA

Headline: Kalpathi ventures back into education space, focus on competitions

URL: <https://www.portlandindian.com/desi/newsdetail.asp?id=615314>

The Rs 4,000 crore Kalpathi AGS Group, led by Suresh Kalpathi, is getting back into education space with Veranda Learning Solution - this time online -focused on competitive exams and niche software courses.

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Date: 1st December 2020

Media: Seattle Indian

Edition: Online

Journalist: NA

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URL: <https://www.seattleindian.com/seattle/newsdetail.asp?id=615314>

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Media: Miami Indian

Edition: Online

Journalist: NA

Headline: Kalpathi ventures back into education space, focus on competitions

URL: <https://www.miamiindian.net/desi/newsdetail.asp?id=615314>

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Media: LA Indian

Edition: Online

Journalist: NA

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Media: Daji World

Edition: Online

Journalist: NA

Headline: Kalpathi ventures back into education space, focus on competitions

URL: <http://www.dajiworld.com/news/newsDisplay.aspx?newsID=777094>

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Date: 1st December 2020

Media: NP News 24

Edition: Online

Journalist: NA

Headline: Kalpathi ventures back into education space, focus on competitions

URL: <https://npnews24.com/2020/12/01/kalpathi-ventures-back-into-education-space-focus-on-competitions/>

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Date: 3rd December 2020

Media: India Retailing

Edition: Online

Journalist: Akash Ashesh

Headline:

In

the

'new normal', innovations, inventions & contactless experiences will rule the retail space

URL: <https://www.indiaretailing.com/2020/12/03/fashion/in-the-new-normal-innovations-inventions-contactless-experiences-will-rule-the-retail-space/>

It is rightly said that some of the biggest changes need some situations like COVID-19 to bring about important transformation. The crisis has increased digital adoption significantly with companies and even customers going digital for getting their jobs done. Times have changed and there is no denying that this pandemic is going to change how we do many things, forever.

Sustainability & Responsible Fashion

The future of fashion will be around natural, durable, and bio-degradable, basis different studies and figures. The customer has had time to reflect during the lockdown and is now more inclined towards sustainability and eco-friendly fashion.

Social Distancing To Become The Norm

Even though many governments are allowing retail stores to open, they're doing so while imposing a strict set of guidelines and conditions to prevent the further spread of COVID-19. If the stores want to do business, they have no choice but to comply with these guidelines.

The problem for the stores in imposing social distancing norms is that it limits the number of customers that can be present inside the premises, leading to fewer sales.

The Fear Of Infection Would Be Key To Making Sales

Wearing masks, avoiding handshakes, and sanitizing hands have now become a habit. Naturally, shoppers would prefer to go to establishments that have strict hygiene measures in place. A survey conducted in the US showed that 87 percent of fashion buyers preferred shopping at places that offered contactless, cashless shopping, and self-checkout options. The idea of a "cashless transaction system" has existed in India for a while now, and this pandemic could accelerate its adoption.

The Moment Of Omnichannel

While large and small retailers launched Omnichannel initiatives to facilitate retail for consumers with even mom-and-pop stores offering contactless curbside pick-up, appointment-based shopping will become the new norm in the coming days, and shops will have to work around it.

Innovation Adoption

Along with hygienic measures, the retail industry has sped up its rate of technological adoption in the new normal. Currently, 95 percent of Indian retail sales happen at physical stores and online contributes to only 5 percent, and this is expected to change dramatically to breach the double-digit mark within the next one or one and half year.

The need to stay away from each other during the ongoing pandemic has made the industry think and use technology that was previously targeted at solving a different problem – convenience – to offering an altogether different advantage of lower interaction between people, products, and infrastructure.

Retailers are now increasingly looking at implementing contactless and mobile payments for transactions to avoid touch as much as possible.

Moving forward, rethought store designs will reconceptualise how brick-and-mortar stores serve multiple purposes of consumers. The stores will move from trying to attract more and more consumers at a given point in time to try to minimize the number of people inside the outlet at a time or even resorting to appointment-based shopping.

While there is uncertainty on when consumers will start coming back to offline retail stores, consumers have already started embracing the new normal.

Technological Need Of The Moment

As the country grapples with the COVID-19 pandemic, anti-viral fabric have become the buzzword in the textile industry. Industry players said that technology for anti-viral or anti-microbial textiles existed even before the pandemic and was being used largely by doctors and health workers in hospital settings. After the pandemic hit, demand for these fabrics have skyrocketed and players across globe are launching their own ranges.

Current Innovations & Inventions

Van Heusen Launches Anti-Viral Shirts: This range is treated with HeiQ Viroblock NPJ03 Anti-Viral technology that is tested to provide resistance against common viruses (enveloped) and bacteria as per AATCC100 and ISO18184 global testing methods, up to 20 gentle washes. Resistance against COVID-19 is yet to be assessed.

Amicor, Aditya Birla Group: Amicor, an Anti-Microbial Fiber From Thai Acrylic Fibre (Taf) of Aditya Birla Group, has been tested effective against the Sars-COVID-2 Virus. The fiber, which can reduce the virus by 99 percent in only 18 seconds, has all three properties: antibacterial, anti-fungal, and anti-viral. Hence, Amicor offers the highest level of protection against all the three kinds of micro-organisms, bacteria, fungus, and viruses.

Moreover, the fiber is durable and can be reused and maintains its efficiency up to 100 washes. One of the most important success stories of the development is in the use of denim where the fabric can maintain the effectiveness even after heavy washes.

IIT Delhi Start-Ups Launch Antiviral Shirts: Two start-ups – E-TEX and Clensta incubated at the Indian Institute of Technology (IIT) – have jointly launched anti-viral T-shirts and a COVID-19 protection lotion at an affordable price.

Snapdeal In Partnership With Ottonomy IO To Test Robotic Deliveries In Delhi-NCR: Indian e-commerce firm Snapdeal has teamed up with Ottonomy IO, a tech start-up known for building autonomous delivery robot fleets, to test robotic deliveries in the Delhi-NCR region. The initiative is for facilitating last-mile contactless delivery using robots that feature a first-of-its-kind in-built disinfectant that sanitizes the packet using ultraviolet rays on its way.

Indian Tech Startup Develops Nanotech Coating For Textiles To Destroy Coronavirus: After IIT-Hyderabad, IIT-Madras has stepped up to combat the COVID-19 challenge! Muse Nanobots, a tech startup and a subsidiary of Muse Wearables which is also an IIT-Madras-incubated firm, has come up with a nanotech coating for textiles. This coating claims to inactivate the Coronavirus within 5 minutes of contact. This nano-coated textile aims to provide enhanced protection as India has started opening businesses after months of COVID-19 lockdown.

Malls Unveil New Features On Its 'Lukout App' To Enable A Safe & Convenient Shopping Experience: One of India's biggest physical marketplace, DLF Malls has unveiled exciting new features on its 'DLF Malls Lukout app' to facilitate a safe and convenient shopping experience for its customers post the lockdown. The new 'Shop Safe' feature on the app uses advanced algorithms, data from multiple sensors to calculate real-time mall traffic and safety updates, and informs customers on the permissible number versus the actual number of people (at any given point of time) in the mall as per social distancing norm. This would help consumers make an informed decision on the time to visit the mall. The app also allows shoppers to express check-in through Safe Pass or their Aarogya Setu QR code.

This has helped the DLF Shopping Malls transform the overall experience during the pandemic. The features in the app enable the customers to plan their mall visits by pre-booking their time slot while sitting at home. Another one-of-its-kind new feature is the 'Lukout Closet', which is a digital wardrobe for fashion enthusiasts. This complete immersive visual experience helps curate the look as per the season's latest trends.

Furthermore, the exclusive DLF Malls Shop Assist service connects consumers with the brand's store manager directly. This feature also enables shoppers to enjoy live video calling and virtual video navigation.

Know All About Nila! India's first digital model Inega, a service provider for photography, models, etc., has launched India's very first digital model 'Nila'. With this, the company became India's first agency to represent a digital model. This development marks India's foray into the world of the digital ramp,

after other international digital influencers Sudhu and Imma Gram. Nila made her first appearance via her Instagram handle @nila.gram and via Inega's official handle @inega.in.

The concept of the virtual digital model has already been accepted internationally. Brands like Valentino, Dior, and Prada have welcomed virtual models into their campaigns to complement real models. From brand endorsements in static and motion media to virtual fashion shows, Nila is all set to revolutionize the norms of the industry. The innovation has opened a road to create the concept of supermodels in India. The fashion world and brand endorsements are extremely dynamic ones and there is a need for newer experience and concept every time.

Ikea India Introduces Click & Collect: To Facilitate Contactless Shopping IKEA India has introduced Click & Collect shopping experience at its Hyderabad store to enable contactless shopping for customers amidst COVID-19. The service is available for IKEA's different range of products including home furniture, work furniture, cooking essentials, and textiles. The introduction of this service is to reduce the contact between the customer and staff

Conclusion

"Virtual reality is going to be a new normal moving forward. A great online experience is what's going to attract customers, so brands and companies will have to innovate and focus more on the digital and virtual experiences. Offline shopping will become a secondary medium, we can expect to see a rise in virtual shopping stores, models to try on clothes through the screen, etc. We're going to witness a renewed revolution of the digital era with newer technologies and applications. The change in consumer behaviour is permanent and now the retail industry has to adapt to the new normal. The new mantra is touch as little as necessary and sanitizes when you do. Retail stores will not look the same as they used to before the pandemic hit the country and the world.

Date: 3rd December 2020

Media: Andhra Prabha (Telugu) (clip attached)

Edifion: Hyderabad

Page No: 4

Journalist: NA

Headline: IIT Madras wins Edge 5th edition

ఎడ్జ్ ఐదో ఎడిషన్లో ఐఐటీ మద్రాస్ విజయం

బంజారాహిల్స్, డిసెంబర్ 2 (ప్రభ న్యూస్) : ప్రముఖ కన్సూమర్ ఎలక్ట్రానిక్స్ బ్రాండ్ శాంసంగ్ దేశంలోని వివిధ క్యాంపస్లలో ఈడీజీఈ(ఎడ్జ్) ఐదో ఎడిషన్ను ఇటీవల నిర్వహించింది. వివిధ విద్యాసంస్థలు, యూనివర్సిటీలకు చెందిన 5200 మందికి పైగా విద్యార్థులు, పోటీ జరిగిన మూడు నెలల కాలంలో వాస్తవ పరిస్థితుల్లో పనిచేసి, వినూత్నమైన పరిష్కారాలను పంచుకున్నారు. ఈపోటీలో ఐఐటీమద్రాస్ తొలిస్థానంతో విజయం సాధించగా, ఢిల్లీకి చెందిన ఎఫ్ఎంఎస్సంస్థ రెండో స్థానంలో నిలిచింది. వర్చువల్గా నిర్వహించిన శాంసంగ్ సీఈవోకెన్ కాంగ్ ఎడ్జ్లో పాల్గొన్న విద్యార్థులను అభినందించారు. తమ ఆలోచనలను, స్వప్నాలను సాధించేందుకు పట్టువదలకుండా కృషి చేవలసిందిగా ఆయన విద్యార్థులకు ఉద్బోధించారు. శాంసంగ్ ఇండియా హ్యూమన్ రిసోర్సెస్ విభాగం హెడ్ సమీర్ వాధనవ్ మాట్లాడుతూ... సమాజానికి అవసరమైన నైపుణ్యాలు కలిగిన మెరికల్లాంటి విద్యార్థులు ఎడ్జ్లో పాల్గొనడం సంతోషం కలిగించిందన్నారు.

Date: 3rd December 2020

Media: Dinamani (clip attached)

Edition: Chennai

Page No: 4

Journalist: NA

Headline: IIT-M Designs Customisable Wheelchair that Transforms into an Electric Vehicle

மாற்றுத் திறனாளிகளுக்கான நவீன சக்கர நாற்காலிகள்: ஐஐடி தொழில்முனைவோர் கண்டுபிடிப்பு

சென்னை, டிச. 2: மாற்றுத் திறனாளிகளுக்கான நவீன சக்கர நாற்காலிகளை ஐஐடி தொழில்முனைவோர் உருவாக்கியுள்ளனர்.

சென்னை ஐஐடி மாணவர்கள் பலர் அண்மைக் காலமாக படித்து முடித்ததும் வேலையில் சேருவதை விரும்பாமல் புதுமையான தொழில் நிறுவனங்களைத் (ஸ்டார்ட் அப்) தொடங்குவதில் ஆர்வமாக உள்ளனர். அந்த வகையில், ஐஐடி மாணவரால் கடந்த 2015-ஆம் ஆண்டு தொடங்கப்பட்ட நியோ மோஷன் நிறுவனம், மாற்றுத் திறனாளிகள் எளிதாகப் பயன்படுத்தும் வண்ணம் நவீன சக்கர நாற்காலிகளை உருவாக்கியுள்ளது.

ஏற்கெனவே சக்கர நாற்காலிகளைப் பயன்படுத்தி வரும் மாற்றுத் திறனாளிகளுடன் கலந்தாலோசித்து அவர்களின் விருப்பங்களை அறிந்து இந்த புதுமையான சக்கர நாற்காலிகள் வடிவமைக்கப்பட்டுள்ளன.

நியோ-பிளை, நியோ போல்ட் என்ற அந்த இரு சக்கர நாற்காலிகளும் மோட்டாரில் இயங்கக் கூடியவை. வசதியாக அமர்ந்து கொண்டு பயணம் செய்யும் வகையில் உருவாக்கப்பட்டுள்ள இந்த மின் மோட்டார் சக்கர நாற்காலிகள், மாற்றுத் திறனாளிகளுக்கு வரப்பிரசாதமாக இருக்கும் என அந்நிறுவன நிர்வாகிகள் தெரிவித்தனர்.

Date: 3rd December 2020

Media: Outlook

Edition: Online

Journalist: NA

Professor: Prof. Satya Chakravarthy

Alumni: Pranjali Mehta

Headline: The ePlane Company raises seed funding from Speciale Invest

URL: <https://www.outlookindia.com/newscroll/the-eplane-company-raises-seed-funding-from-speciale-invest/1986848>

IIT-Madras incubated start-up The ePlane Company on Thursday said it has raised a seed funding from Speciale Invest to be used to augment building critical infrastructure, including flying taxis. The undisclosed investment was led by VC Speciale Invest and FirstCheque, JavaCapital and Sharechat co-founder Farid Ahsan. The fresh round of financing would allow the company to augment building critical infrastructure and a worldclass team of engineers to develop IP and show early product demonstrations by 2021, a company statement said here. "Electric planes can really disrupt aviation over short distances characterising urban aerial mobility. The configuration we are building will enable cost-effective air taxi operations in the future," the company co-founder professor Satya Chakravarthy said. The startup, incubated at IIT-Madras Incubation Cell, operates from the National Centre for Combustion Research and Development. "We at Speciale Invest believe in the founders' deep-technical insights that are leading them to build a roadmap of electric planes and associated critical infrastructure," Speciale Invest managing partner Vishesh Rajaram said. The ePlane Company is building electric planes which can be used for faster commute within cities at a similar price to road taxi and can also be used for moving cargo in remote and rural areas, the statement said. PTI VIJ NVG NVG

Date: 3rd December 2020

Media: Tech Observer

Edition: Online

Journalist: NA

Professor: Prof. Satya Chakravarthy

Alumni: Pranjali Mehta

Headline: IIT Madras incubated startup ePlane Company raises seed funding from Speciale Invest

URL: <https://techobserver.in/2020/12/03/iit-madras-incubated-startup-eplane-company-raises-seed-funding-from-speciale-invest/>

IIT-Madras incubated start-up The ePlane Company on Thursday said it has raised a seed funding from Speciale Invest to be used to augment building critical infrastructure, including flying taxis. The undisclosed investment was led by VC Speciale Invest and FirstCheque, JavaCapital and Sharechat co-founder Farid Ahsan. The fresh round of financing would allow the company to augment building critical infrastructure and a worldclass team of engineers to develop IP and show early product demonstrations by 2021, a company statement said here. "Electric planes can really disrupt aviation over short distances characterising urban aerial mobility. The configuration we are building will enable cost-effective air taxi operations in the future," the company co-founder professor Satya Chakravarthy said. The startup, incubated at IIT-Madras Incubation Cell, operates from the National Centre for Combustion Research and Development. "We at Speciale Invest believe in the founders' deep-technical insights that are leading them to build a roadmap of electric planes and associated critical infrastructure," Speciale Invest managing partner Vishesh Rajaram said. The ePlane Company is building electric planes which can be used for faster commute within cities at a similar price to road taxi and can also be used for moving cargo in remote and rural areas, the statement said. PTI VIJ NVG NVG

Date: 4th December 2020

Media: The Times of India (clip attached)

Edition: Chennai

Page No: 17

Journalist: NA

Professor: Prof. Satya Chakravarthy

Alumni: Pranjal Mehta

Headline: IIT-M startup ePlane Company raises funds to build flying taxis

URL: <https://timesofindia.indiatimes.com/business/india-business/iit-m-startup-eplane-company-raises-funds-to-build-flying-taxis/articleshow/79553221.cms>

IIT-M startup ePlane Company raises funds to build flying taxis

Chennai: IIT-Madras incubated startup The ePlane Company has raised an undisclosed amount of seed funding from deep-tech focused VC firm Speciale Invest.

The round also saw participation from IIM-Ahmedabad's CII, FirstCheque, JavaCapital, and Sharechat co-founder Farid Ahsan. The startup said that the

**PRODUCT
DEMO IN 2021**

new round of financing will allow the company to augment critical infrastructure and bring in a quality engineering team to develop IP and show early product demonstrations by 2021. Founded in 2017 and operational by 2019, ePlane is building electric planes for door-to-door commute in cities. IIT-M profes-

sor Satya Chakravarthy and Pranjal Mehta launched the startup to solve the inefficiencies in cargo and passenger transportation. The startup is building electric planes that can be used for 10X faster commute within cities at a similar price to road taxi and can also be used for moving cargo in remote and rural areas. "In urban areas, people spend 1-2 hours every day traveling. Can we reduce it to 10-15 minutes at a similar cost? There is immense societal and economic value in that. It can even make affordable air ambulances a reality. The possibilities are endless." Pranjal Mehta, Co-founder, and CEO, The ePlane Company, said. The startup is incubated at IIT-M's Incubation Cell and operates from the National Centre for Combustion Research and Development at IIT-M. TNN

Date: 4th December 2020

Media: Business Standard (clip attached)

Edifion: Bangalore / Chennai / Hyderabad / Mumbai / New Delhi

Page No: 2

Journalist: NA

Headline: ePlane Company raises undisclosed seed funding

URL: https://www.business-standard.com/article/companies/electric-aircraft-builder-eplane-company-raises-undisclosed-seed-funding-120120301083_1.html

ePlane Company raises undisclosed seed funding

IIT Madras incubated start-up, The ePlane Company, which builds electric planes for door-to-door commute in cities, has raised an undisclosed round of financing in seed funding. The investment is led by VC Speciale Invest and has participation from IIM Ahmedabad's CIIE.CO, FirstCheque, JavaCapital, and Sharechat co-founder Farid Ahsan.

BS REPORTER

Date: 4th December 2020

Media: Financial Express (clip attached)

Edition: Bangalore / Chennai / Hyderabad / Kolkata

Page No: 3

Journalist: NA

Professor: Prof. Satya Chakravarthy

Alumni: Pranjal Mehta

Headline: The ePlane Company raises seed funding from Speciale Invest to build flying taxis

URL: <https://www.financialexpress.com/industry/the-eplane-company-raises-seed-funding-from-speciale-invest-to-build-flying-taxis/2142791/lite/>

The ePlane Company raises seed funding from Speciale Invest to build flying taxis

FE BUREAU

Chennai, December 3

IIT MADRAS INCUBATED start-up, The ePlane Company, building electric planes for door-to-door commute in cities has raised an undisclosed round of financing in seed funding.

The company was founded in 2017 and fully launched in 2019 by Satya Chakravarthy and Pranjal Mehta to find a solution for the inefficiencies in both cargo and passenger transportation.

The investment is led by deep-tech VC Speciale Invest and has participation from IIM Ahmedabad's CIIE.CO, FirstCheque, Java-

Capital, and Sharechat co-founder Farid Ahsan.

The fresh round of financing will allow the company to augment building critical infrastructure and a world-class engineering team to develop IP and show early product demonstrations by 2021.

Satya Chakravarthy, co-founder and CTO, The ePlane Company, said: "Electric planes can disrupt aviation over short distances characterising urban aerial mobility. The configuration we are building would enable cost-effective air taxi operations in the future. Progressively, the outlook for this technology to

make further forays into the general aviation space look very promising."

The startup is building electric planes which can be used for 10X faster commute within cities at a similar price to road taxi and can also be used for moving cargo in remote and rural areas.

Pranjal Mehta, co-founder, and CEO, The ePlane Company, said: "In urban areas, people spend 1-2 hours every day traveling. Can we reduce it to 10-15 minutes at a similar cost? There is immense societal and economic value in that. It can even make affordable air ambulances a reality. The possibilities are endless."

Date: 3rd December 2020

Media: The Times of India (clip attached)

Edition: New Delhi / Mumbai

Page No: 16

Journalist: Chethan Kumar

Headline: Space dept ties up with startup to build small launch vehicle

URL: <https://timesofindia.indiatimes.com/india/in-a-first-dos-ties-up-with-startup-to-build-small-launch-vehicle/articleshow/79551317.cms>

Space dept ties up with startup to build small launch vehicle

Chethan.Kumar@timesgroup.com

Bengaluru: In a first, the Department of Space (DoS) on Thursday signed an agreement with a startup — Agnikul Cosmos — allowing the latter to access Isro facilities to build a small launch vehicle. Agnikul is a Chennai-based firm located in the National Centre for Combustion R&D, IIT-M, working on building private small satellite launch vehicles.

“This non-disclosure agreement (NDA) is the first one of its kind the department has signed after the establishment of IN-SPACE, the authorisation and regulatory body under DoS for enabling private players to undertake space activities in India,” DoS said.

Under the NDA, the company will be enabled for accessing the facilities and technical expertise available in Isro centres to proceed with their launch vehicle development programme. Founded in 2016 by Srinath Ravichandran and Moin SPM, Agnikul, which has raised more than \$3m in funding so far, is now looking to launch its launch vehicle.

Ravichandran had told **TOI** earlier: “In the next five to six years, we’ll see technology scratching the surface of deep space activity and I think we will be ready.”

Date: 3rd December 2020

Media: The Economic Times (clip attached)

Edition: Mumbai

Page No: 10

Journalist: NA

Headline: Isro to Help Agnikul with Tech Support to Build Small Rocket

URL: <https://economictimes.indiatimes.com/small-biz/startups/newsbuzz/isro-to-help-agnikul-with-tech-support-to-build-its-small-rocket/articleshow/79551653.cms>

Isro to Help Agnikul with Tech Support to Build Small Rocket

Our Bureau

Bengaluru: In a first to promote the private sector, India's space agency said that it would help Chennai rocket startup Agnikul Cosmos to test and qualify its small rocket that can launch 100 kg satellites into low earth orbit. Agnikul signed a non disclosure agreement with the Department of Space that will allow it to access Indian Space Research Organisation (Isro) facilities and technical expertise to build its rocket.

"Under the NDA, the company will be enabled for accessing the facilities and technical expertise available in ISRO centers to proceed with their launch vehicle development program," the space agency said in a statement. Agnikul founder and CEO Srinath Ravichandran and Isro scientific secretary R Umamaheswaran signed the pact.

Agnikul is the winner in the top innovator category in the ET Startup Awards 2020.

The agreement is the first one of its kind, the Department has signed after the establishment of IN-SPACE, the authorization and regulatory body under DOS for enabling private players to undertake space activities in India, it said.

Agnikul is looking to disrupt the small rockets space at a time when India is opening up the sector to private players. The startup, incubated at IIT Madras in 2017, is building a small rocket with a 3D printed engine – which is lighter, has less moving parts and more efficient compared to conventional engines.

Date: 3rd December 2020

Media: The Hindu Business Line

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: Department of Space enters into pact with Agnikul Cosmos for launch vehicle development program

URL: <https://www.thehindubusinessline.com/news/department-of-space-enters-into-pact-with-agnikul-cosmos-for-launch-vehicle-development-program/article33243337.ece>

K Sivan, ISRO's Chairman

Department of Space on Thursday entered into a Non-Disclosure Agreement (NDA) with Agnikul Cosmos Pvt. Ltd, a Chennai based start-up located in the National Centre for combustion R&D, IIT Madras, which builds small private satellite launch vehicle.

Under the NDA, the company will be enabled for accessing the facilities and technical expertise available in Indian Space Research Organisations (ISRO) centers to proceed with their launch vehicle development program, says a press release from ISRO.

The agreement is the first one of its kind, and the Department has signed after the establishment of IN-SPACe, the authorization and regulatory body under DOS for enabling private players to undertake space activities in India.

The NDA was signed in the presence of K Sivan, Secretary, DOS/ Chairman, ISRO, and Bhaskar Ramamurthi, Director, IIT Madras. R Umamaheswaran, Scientific Secretary, ISRO, was the signatory on behalf of Department of Space for the NDA with Agnikul Cosmos Pvt Ltd. Shri Srinath Ravichandran, CEO, Aginukul signed the NDA on behalf of the company, the release said.

Date: 3rd December 2020

Media: Business Insider

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: ISRO gives a rocket building startup access to its facilities

URL: <https://www.businessinsider.in/science/space/news/isro-gives-a-rocket-building-startup-access-to-its-facilities/articleshow/79558185.cms>

The Department of Space on Thursday said it has signed a non-disclosure agreement (NDA) with Chennai-based small rocket company Agnikul Cosmos Pvt Ltd to access the facilities and technical expertise available in Indian Space Research Organisation (ISRO) centres.

According to DoS, this is the first NDA to be signed after the establishment of IN-SPACe, the authorization and regulatory body for enabling private players to undertake space activities in India.

Under the NDA, Agnikul Cosmos will be enabled to access the facilities and technical expertise available in ISRO centres to proceed with their launch vehicle development programme.

The start-up company is located in the National Centre for Combustion Research and Development, Indian Institute of Technology, Madras.

The NDA was signed in the presence of Space Secretary and ISRO Chairman Dr. K Sivan, and IIT-Madras Director Prof. Bhaskar Ramamurthi. R. Umamaheswaran, Scientific Secretary, ISRO, was the signatory on behalf of Department of Space for the NDA and Agnikul Cosmos CEO Srinath Ravichandran on behalf of the company.

The ISRO officials assured all support to Agnikul Cosmos for testing and qualifying its rocket.

Date: 3rd December 2020

Media: ETV Bharat

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: In a first, DoS ties up with startup to build small launch vehicle

URL: <https://www.etvbharat.com/english/national/bharat/bharat-news/in-a-first-dos-ties-up-with-startup-to-build-small-launch-vehicle/na20201204030927005>

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Date: 3rd December 2020

Media: Lokmat

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: Start-up rocket company Agnikul allowed access to ISRO facilities

URL: <https://english.lokmat.com/technology/start-up-rocket-company-agnikul-allowed-access-to-isro-facilities/>

The Department of Space on Thursday said it has signed a non-disclosure agreement (NDA) with Chennai-based small rocket company Agnikul Cosmos Pvt Ltd to access the facilities and technical expertise available in Indian Space Research Organisation (ISRO) centres.

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Date: 3rd December 2020

Media: Sify.com

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: Start-up rocket company Agnikul allowed access to ISRO facilities

URL: <https://www.sify.com/news/start-up-rocket-company-agnikul-allowed-access-to-isro-facilities-news-education-umdrIDcbcggh.html>

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Date: 3rd December 2020

Media: WEB India 123

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: Start-up rocket company Agnikul allowed access to ISRO facilities

URL: <https://news.webindia123.com/news/Articles/Science/20201204/3668598.html>

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Date: 3rd December 2020

Media: Daily Hunt

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: Start-up rocket company Agnikul allowed access to ISRO facilities

URL: <https://m.dailyhunt.in/news/india/english/news+karnataka-epaper-newskarn/start+up+rocket+company+agnikul+allowed+access+to+isro+facilities-newsid-n233792246>

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Date: 3rd December 2020

Media: Social News XYZ

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: Start-up rocket company Agnikul allowed access to ISRO facilities

URL: <https://www.socialnews.xyz/2020/12/03/start-up-rocket-company-agnikul-allowed-access-to-isro-facilities/>

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Date: 3rd December 2020

Media: Miami Indian

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: Start-up rocket company Agnikul allowed access to ISRO facilities

URL: <https://www.miamiindian.net/desi/newsdetail.asp?id=616115>

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Date: 3rd December 2020

Media: Seattle Indian

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: Start-up rocket company Agnikul allowed access to ISRO facilities

URL: <https://www.seattleindian.com/seattle/newsdetail.asp?id=616115>

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Edition: Online

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Professor: Prof. Bhaskar Ramamurthi

Headline: Start-up rocket company Agnikul allowed access to ISRO facilities

URL: <https://www.kentuckyindian.com/desi/newsdetail.asp?id=616115>

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The ISRO officials assured all support to Agnikul Cosmos for testing and qualifying its rocket.

Date: 3rd December 2020

Media: ST Louis Indian

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

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URL: <https://www.stlouisindian.net/desi/newsdetail.asp?id=616115>

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Date: 4th December 2020

Media: SheThePeople

Edition: Online

Journalist: Dr. Yamini Pustake Bhalerao

Spokesperson Quoted: Dr Jane Prasad

Headline: Dr Jane Prasad: The Only Woman Registrar Among The First Generation IITs

URL: <https://www.shethepeople.tv/interviews/dr-jane-prasad-the-only-woman-registrar-among-the-first-generation-iits/>

Dr Jane Prasad feels that her early years of schooling at Vidyodaya, a popular ICSE school in Chennai patterned after Shantiniketan, and later, Women's Christian College, also in Chennai, gave her the much needed strong robust foundation to be a well-rounded professional. It is this foundation that helps her power through her job as a registrar at IIT-Madras. Oh, and she is the only woman to hold that post among the first generation IITs today.

Dr Prasad completed her PhD in Biochemistry from Madras University and went on to enter the Civil Services with the Indian Post & Telecommunication Accounts and Finance Service (P&TAFS) in the 1998 batch. She has been posted in Guwahati in Assam and later in Chennai in her civil services role. She moved to IIT Madras as Registrar in 2018 and has completed over two years of her five-year term.

Also Read: Harpreet A De Singh Becomes First Woman CEO To Head An Indian Airline

She tells **SheThePeople** that generally people come up through ranks to become a registrar at an IIT. Not many women manage to do so though. "At the starting itself, you have more men than women working. So they are already at a disadvantage," says she.

Not just on the management level though, the classrooms in IITs are also dominated largely by men. To rectify this imbalance, it was announced in March this year that a fifth of seats at IITs will be reserved for women students. Dr Prasad feels that we cannot change the system in one shot, and with this move, the change will come in an incremental way.

Opportunity Gap

"Women are at a little bit of disadvantage when they start off. The society as a whole, the kind of ease at which you do things, I think it is a little difficult for women at the age of 18 or 19 when you are just starting off. Not many families would send their girl child to study outside. So fixing a percentage right now in a way would at least make sure that 20 percent of those seats are filled up by girls." Dr Prasad further adds that IITs have a supernumerary quota, which means that IITs will accommodate women who qualify, even if the said 20 percent seats are filled.

Also Read: Preeti Aghalayam: Chemical Engineering Prof At IIT Madras Who Runs Marathons And Writes Blogs

While her work is mostly administrative Dr Prasad regularly interacts with students at the institute. She has observed that women students do feel a little under confident, being outnumbered by men. If there is an issue for instance, "a girl won't be that vocal, whereas a boy will be aggressive and talk about it." However, she does add the women students that come from city background aren't reticent or take the backseat. On the other hand, girls from rural background find it very difficult to adjust as well. "It is a big change for them, coming here being all alone, taking care of themselves and then mingling with others; it takes some time for them to form a group of their own, with some common interests. Once they find that then they are okay."

50-year-old Dr Prasad loves reading books and cycles around IIT Madras campus. She also likes to go for walks with her daughter and husband inside campus, spotting the rare birds.

Finding Balance

Balancing work and personal life is very difficult, a struggle that is echoed by many women across fields. In a society that conditions women to never prioritise career at the cost of caring for their families, it isn't easy for women to excel at both the fronts.

Says Dr Prasad. "If everything goes well, your family side is okay, then you can manage. But then if anything goes wrong, say someone at home is unwell, then it is difficult to focus on work. As a woman,

I feel it takes a toll. Whereas a man in that position he will have someone to handle things for him. So he will be able to work consistently, but a woman will have to take that pressure, as well as work pressure and still give your output.”

This stereotyping of women as homemakers first, career-oriented later, has another downside to it. They have to endure additional scrutiny at work and work harder to prove their mettle. Dr Prasad opines that women are constantly under watch at work. “You have everybody looking at you, where you trip. You are always judged against a man. Yet somehow we manage both sides.”

Early Learnings

Jane was posted in the Social Welfare Department of Nilgiris in Tamil Nadu during her early career with the State Government. She says this experience grounded her to the grassroots, working with marginalised communities in the Social Welfare Department. It is not easy for girls from such backgrounds to not only get into premier institutes like IIT, but to complete their education and then go on to have flourishing careers.

Skilling Up

Speaking on some of the challenges these young women faces, Dr Jane Prasad says, “Firstly it is the language, since it is English that is mostly used here. When they come from a rural background, they lose out on communication skills. This affects their confidence levels as well. The standard at IITs is quite high, when it comes to learning and performance. All these things are challenging for someone who has studied at a small town. We do help out such students, as well have wellness centres, we provide counselling and debriefing is done as well. We also teach them English in first year.”

Date: 4th December 2020

Media: The Times of India (clip attached)

Edition: Chennai

Page No: 17

Journalist: NA

Professor: Prof. Satya Chakravarthy

Alumni: Pranjal Mehta

Headline: IIT-M startup ePlane Company raises funds to build flying taxis

URL: <https://timesofindia.indiatimes.com/business/india-business/iit-m-startup-eplane-company-raises-funds-to-build-flying-taxis/articleshow/79553221.cms>

IIT-Madras incubated startup The ePlane Company has raised an undisclosed amount of seed funding from deep-tech focused VC firm Speciale Invest. The round also saw participation from IIM-Ahmedabad's CII, FirstCheque, JavaCapital, and Sharechat co-founder Farid Ahsan. The startup said that the new round of financing will allow the company to augment critical infrastructure and bring in a quality engineering team to develop IP and show early product demonstrations by 2021. Founded in 2017 and operational by 2019, ePlane is building electric planes for door-to-door commute in cities. IIT-M professor Satya Chakravarthy and Pranjal Mehta launched the startup to solve the inefficiencies in cargo and passenger transportation. The startup is building electric planes that can be used for 10X faster commute within cities at a similar price to road taxi and can also be used for moving cargo in remote and rural areas. "In urban areas, people spend 1-2 hours every day traveling. Can we reduce it to 10-15 minutes at a similar cost? There is immense societal and economic value in that. It can even make affordable air ambulances a reality. The possibilities are endless." Pranjal Mehta, Co-founder, and CEO, The ePlane Company, said. The startup is incubated at IIT-M's Incubation Cell and operates from the National Centre for Combustion Research and Development at IIT-M. ePlane has built a small scale prototype by bootstrapping, with a dedicated team of 10 currently and is currently expanding their team to 25.

Date: 4th December 2020

Media: Bhaskar Live

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: Start-up rocket company Agnikul allowed access to ISRO facilities

URL: <https://www.bhaskarlive.in/start-up-rocket-company-agnikul-allowed-access-to-isro-facilities/>

The Department of Space on Thursday said it has signed a non-disclosure agreement (NDA) with Chennai-based small rocket company Agnikul Cosmos Pvt Ltd to access the facilities and technical expertise available in Indian Space Research Organisation (ISRO) centres. According to DoS, this is the first NDA to be signed after the establishment of IN-SPACe, the authorization and regulatory body for enabling private players to undertake space activities in India. Under the NDA, Agnikul Cosmos will be enabled to access the facilities and technical expertise available in ISRO centres to proceed with their launch vehicle development programme. The start-up company is located in the National Centre for Combustion Research and Development, Indian Institute of Technology, Madras. The NDA was signed in the presence of Space Secretary and ISRO Chairman Dr. K Sivan, and IITMadras Director Prof. Bhaskar Ramamurthi. R. Umamaheswaran, Scientific Secretary, ISRO, was the signatory on behalf of Department of Space for the NDA and Agnikul Cosmos CEO Srinath Ravichandran on behalf of the company. The ISRO officials assured all support to Agnikul Cosmos for testing and qualifying its rocket. Source: IANS December 4, 2020 1/3/2021 Start-up rocket company Agnikul allowed access to ISRO facilities - Bhaskar Live English News <https://www.bhaskarlive.in/start-up-rocket-company-agnikul-allowed-access-to-isro-facilities/> 2/3 1BHK Flats in Jabalpur for sale at budget price ? Approximate 200+ 1BHK apartments or ats in Jabalpur available for sale at budget price As per available data with BhaskarProperty.com approximate 200+ 1BHK Residential Flats for Sale in Jabalpur at a very low price. This is the right time for small property buyer to grab new property in Jabalpur with multiple benefits. At this time Builder and Developer in Jabalpur also target to the maximum sale before the end of year. Also banks are giving low rate loan for housing. The 1BHK Flats for sale at multiple prime residential location in Jabalpur are available.

Date: 4th December 2020

Media: The Hawk

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: Start-Up Rocket Company Agnikul Allowed Access To ISRO Facilities

URL: <http://www.thehawk.in/science/start-up-rocket-company-agnikul-allowed-access-to-isro-facilities-189989>

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Date: 4th December 2020

Media: NFA Post

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: ISRO's IN-SPACe Signs Agreement With Chennai Startup Agnikul Cosmos

URL: <https://www.thenfapost.com/2020/12/04/isros-in-space-signs-agreement-with-chennai-startup-agnikul-cosmos/>

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Date: 4th December 2020

Media: New Kerala

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: Start-up rocket company Agnikul allowed access to ISRO facilities

URL: <https://www.newkerala.com/news/2020/210015.htm>

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Date: 4th December 2020

Media: CEO Insight

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: Spacetech Startup Agnikul Gets Entry into ISRO to Launch Vehicle Program

URL: <https://www.ceoinsightsindia.com/news/spacetech-startup-agnikul-gets-entry-into-isro-to-launch-vehicle-program-nwid-4311.html>

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Date: 4th December 2020

Media: Yourstory

Edition: Online

Journalist: Shreya Ganguly

Headline: Chennai-based spacetech startup Agnikul partners with DoS under IN-SPACe entity to develop launch vehicles

URL: <https://yourstory.com/2020/12/chennai-based-spacetech-startup-agnikul-dos-inspace-isro>

IIT-Madras incubated startup The ePlane Company on Thursday said it has raised seed funding from Speciale Invest to be used to augment building critical infrastructure, including flying taxis. The undisclosed investment was led by VC Speciale Invest and FirstCheque, JavaCapital and Sharechat Co-founder Farid Ahsan. The fresh round of financing would allow the company to augment building critical infrastructure and a world-class team of engineers to develop IP and show early product demonstrations by 2021, a company statement said here. "Electric planes can really disrupt aviation over short distances characterising urban aerial mobility. The configuration we are building will enable cost-effective air taxi operations in the future," the company co-founder professor Satya Chakravarthy said. "In urban areas, people spend 1-2 hours every day traveling. Can we reduce it to 10-15 minutes at a similar cost? There is immense societal and economic value in that. It can even make affordable air ambulances a reality. The possibilities are endless," said Pranjal Mehta, Co-founder and CEO, The ePlane Company. The startup, incubated at IIT-Madras Incubation Cell, operates from the National Centre for Combustion Research and Development. "We at Speciale Invest believe in the founders' deep-technical insights that are leading them to build a roadmap of electric planes and associated critical infrastructure," Speciale Invest managing partner Vishesh Rajaram said. Founders of The ePlane Company ALSO READ [Funding alert] HappyLocate raises Rs 4.4 Cr in Pre-Series A round The ePlane Company is building electric planes, which can be used for faster commute within cities at a similar price to road taxi and can also be used for moving cargo in remote and rural areas, the statement said. It was founded in April 2017 and fully launched in 2019 by Professor Satya Chakravarthy and Pranjal Mehta to enable aerial mobility. Sign up for our exclusive newsletters. Subscribe to check out our popular newsletters. The startup is building electric planes, which can be used for 10X faster commute within cities at a similar price to road taxi and can also be used for moving cargo in remote and rural areas. ePlane has built a small scale prototype by bootstrapping, with a dedicated team of 10, and is currently expanding its team to 25.

(Disclaimer: Additional background information has been added to this PTI copy for context)

Date: 4th December 2020

Media: Daily Excelsior

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: DOS signs non-disclosure agreement with Chennai start-up, giving it access to ISRO facilities

URL: <https://www.dailyexcelsior.com/dos-signs-non-disclosure-agreement-with-chennai-start-up-giving-it-access-to-isro-facilities/>

The Department of Space (DOS) has entered into a Non-Disclosure Agreement (NDA) with a Chennai-based start-up Agnikul Cosmos Pvt Ltd, that will allow it to access facilities and technical expertise available in ISRO centres to proceed with their launch vehicle development programme. Signed on Thursday, the agreement is the first one of its kind, the Department has signed after the establishment of IN-SPACe, the authorisation and regulatory body under DOS for enabling private players to undertake space activities in India. Agnikul Cosmos Pvt. Ltd, is located in the National Centre for combustion R&D, IIT-M, Chennai, building private small satellite launch vehicles. The NDA was signed in the presence of Secretary, DOS and Chairman ISRO Dr K Sivan and Director IIT Madras Prof. Bhaskar Ramamurthi, an official statement said. Scientific Secretary, ISRO, R Umamaheswaran was the signatory on behalf of the Department of Space with Agnikul Cosmos Pvt Ltd. CEO Srinath Ravichandran signed it on behalf of the company. Dr K Sivan along with ISRO Centre Directors have assured all support to Agnikul for testing and qualifying their launch vehicles, it added. (AGENCIES)

Date: 6th December 2020

Media: Deccan Chronicle (clip attached)

Edition: Chennai

Page No: 2

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson Quoted: Prof. K. VijayRaghavan

Headline: 'India has a history of bringing out successful vaccines'

URL: <https://www.deccanherald.com/national/south/india-has-extraordinary-history-of-bringing-out-successful-vaccines-says-expert-923845.html>

'India has history of bringing out successful vaccines'

DC CORRESPONDENT
CHENNAI, DEC. 5

The Indian society and health-care system have seen a sea of changes because of its extraordinary vaccine administering programme, said Prof. K. Vijayraghavan, principal scientific adviser, Government of India.

He was delivering a speech on science and technology and the 'new normal,' at 'Sangam 2020', a month-long virtual expo being conducted by the IIT-Madras Alumni Association.

"India has got an extraordinary history of successful vaccinations. The country conducted vaccinations for smallpox and other diseases. They were administered without much discussion. Today, the world has changed. Vaccines are administered to healthy people. Therefore, the demand for trials and safety are enormous. A vaccine that is administered has to be safe with an immune response. Therefore, all vaccines that are in late-phase trials are subjected to very stringent tests. Normally, vaccines take 10 years to develop but this (Covid-19 vaccine) has been done in a year."

'Sangam 2020', being held from December 1-6, also features a month-long virtual showcase of global innovations from start-ups.

Date: 7th December 2020

Media: The Hindu Business Line (clip attached)

Edition: Bangalore / Chennai / Hyderabad / Kolkata / Mumbai / New Delhi

Page No: 2

Journalist: NA

Spokesperson Quoted: Sridhar Vembu

Headline: Zoho will create more jobs in rural centres: Sridhar Vembu

URL: <https://www.thehindubusinessline.com/companies/zoho-will-create-more-jobs-in-rural-centres-sridhar-vembu/article33258057.ece>

Zoho will create more jobs in rural centres: Sridhar Vembu

OUR BUREAU

Chennai, December 6

The 'new normal' in Zoho — an Indian/American software development company with headquarters in Chennai — is that it will create most of the jobs in the company in rural centres, said Sridhar Vembu, Founder and CEO of Zoho. "We will pay the same pay scale as in Chennai," he added.

"In a rural economy even if one or two per cent of our kind of jobs that are high paying and globally competitive are created, we can bring the rural economy in to a balance," he said in a virtual conversation with Mahesh Panchagnula, Dean - Alumni & Corporate Relations, IIT Madras, at Sangam, the annual event organised by IIT Madras Alumni Association.

Elaborating on the 'balance', he said, today villages export (within

India and abroad) only agricultural commodities and import other products like smartphones or motorcycles. This is not a balance. However, bringing in ten jobs in a village that has around 1,000 persons (about 1 per cent) is what the new normal will be.

Issue of imbalance

"Look at what is going on in the villages. One can immediately see the problem. No economic theory is required.

What goes out is not sufficient to buy all the things that come in. They are pledging the land and pledging their souls," he said.

"For me, the real normal is how to address the imbalances that have come up in the rural eco-

nomy in the last 20-30 years of the old normal. This needs to be corrected by the new normal. This itself is an entrepreneurial opportunity, and a massive opportunity," said Sridhar.

"I am doing all these village experiments not as a philanthropic initiative but as

a business venture that will make Zoho a stronger company," he added. Within a 10-15 km radius in the Thanjavur district, there are a couple

of thousand people who desperately need jobs today. Putting raw talent to work is 'capital' today. The job of the entrepreneur is to figure out how to use all these surplus talent. This is the biggest opportunity available today, he said.



Sridhar Vembu, Founder and CEO, Zoho

Date: 6th December 2020

Media: Echo of India (clip attached)

Edition: Kolkata

Page No: 1

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson Quoted: Prof. K. VijayRaghavan

Headline: India has an extraordinary history of bringing out successful vaccines: Principal scientific adviser

India has extraordinary history of bringing out successful vaccines: Principal scientific adviser

CHENNAI, DEC 5 /--/ Principal scientific adviser Vijay Raghavan today said India has an extraordinary history of bringing out successful vaccines which have transformed the health care system, similar to that for smallpox, "which were administered without much discussion." The investments made for vaccines does not mean shortcuts and huge investments in vaccination trials have enabled processes to happen in parallel to speed up the development, he said, participating in a function through video conference. "Vaccines are administered to healthy people. Therefore, the demand for trials and safety are enormous. A vaccine that is administered has to be safe, has to have an immune response that suggests it can deal with the infection and must be effective in the field", he said at



**Principal
scientific
advisor Vijay
Raghavan**

'Sangam2020,' the annual flagship event of IIT Madras Alumni Association "India has got an extraordinary history of successful vaccinations... India was successful in putting forth vaccines which completely transformed the health care system. Other vaccines like smallpox were administered without much discussion... today the world has changed and everyone rightly discusses and debates everything, as it should be," Raghavan said. The principal scientific advisor's comments come at a time when 30

vaccine candidates for COVID-19 are being developed within the country. Five vaccine candidates are under different phases of clinical trials in India. Raghavan said vaccines are subjected to stringent tests. "Typically, vaccines take 10 years to develop," he said. "There has been a huge amount of investment and investment comes by allowing what could otherwise have gone in series to now go in parallel. You stockpile and manufacture while the trials are going on.. but supposing the trials fail, the whole stockpile has to be dumped", he said. IIT Madras director professor Bhaskar Ramamurthi, speaking on the new normal in education and research in the backdrop of COVID-19 induced lockdown, said 40 per cent of students could not join the classes initially. "Now we are able to make sure everybody is able to attend classes, barring a handful and those cases also have been resolved now", he said. (PTI)

Date: 5th December 2020

Media: Deccan Herald

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: India has extraordinary history of bringing out successful vaccines, says expert

URL: <https://www.deccanherald.com/national/south/india-has-extraordinary-history-of-bringing-out-successful-vaccines-says-expert-923845.html>

Principal Scientific Adviser K Vijay Raghavan on Saturday said India has an extraordinary history of bringing out successful vaccines which have transformed the health care system, similar to that for smallpox, "which were administered without much discussion."The investments made for vaccines does not mean shortcuts and huge investments in vaccination trials have enabled processes to happen in parallel to speed up the development, he said, participating in a function through video conference."Vaccines are administered to healthy people. Therefore, the demand for trials and safety are enormous. A vaccine that is administered has to be safe, has to have an immune response that suggests it can deal with the infection and must be effective in the field", he said at 'Sangam 2020,' the annual flagship event of IIT Madras Alumni Association. "India has got an extraordinary history of successful vaccinations... India was successful in putting forth vaccines which completely transformed the health care system. Other vaccines like smallpox were administered without much discussion... today the world has changed and everyone rightly discusses and debates everything, as it should be," he said.His comments come at a time when 30 vaccine candidates for Covid-19 are being developed within the country. Five vaccine candidates are under different phases of clinical trials in India. Vijay Raghavan said vaccines are subjected to stringent tests."Typically, vaccines take 10 years to develop," he said. "There has been a huge amount of investment and investment comes by allowing what could otherwise have gone in series to now go in parallel. You stockpile and manufacture while the trials are going on.. but supposing the trials fail, the whole stockpile has to be dumped", he said.IIT Madras director professor Bhaskar Ramamurthi, speaking on the new normal in education and research in the backdrop of Covid-19 induced lockdown, said 40 per cent of students could not join the classes initially."Now we are able to make sure everybody is able to attend classes, barring a handful and those cases also have been resolved now", he said.

Date: 5th December 2020

Media: The Hindu Business Line

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson Quoted: Prof. K. VijayRaghavan

Headline: India has extraordinary history of successful vaccinations: K Vijayaraghavan, Principal Scientific Adviser, GoI

URL: <https://www.thehindubusinessline.com/news/india-has-extraordinary-history-of-successful-vaccinations-k-vijayaraghavan-principal-scientific-adviser-goi/article33256863.ece>

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Date: 5th December 2020

Media: The Hindu Business Line

Edition: Online

Journalist: NA

Spokesperson Quoted: Sonam Wangchuk

Headline: Covid-19 effect: Schools will become live labs, says Sonam Wangchuk

URL: <https://www.thehindubusinessline.com/news/national/covid-19-effect-schools-will-become-live-labs-says-sonam-wangchuk/article33257998.ece>

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Date: 5th December 2020

Media: The Financial Express

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson Quoted: Prof. K. VijayRaghavan

Headline: India has extraordinary history of bringing out successful vaccines: K VijayRaghavan

URL: <https://www.financialexpress.com/lifestyle/health/india-has-extraordinary-history-of-brining-out-successful-vaccines-k-vijayraghavan/2144025/>

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Date: 6th December 2020

Media: Outlook

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Spokesperson Quoted: Prof. K. VijayRaghavan

Headline: "India has extraordinary history of bringing out successful vaccines"

URL: <https://www.outlookindia.com/newscroll/india-has-extraordinary-history-of-brining-out-successful-vaccines/1988004>

Principal Scientific Adviser K VijayRaghavan on Saturday said India has an extraordinary history of bringing out successful vaccines which have transformed the health care system, similar to that for smallpox, "which were administered without much discussion." The investments made for vaccines does not mean shortcuts and huge investments in vaccination trials have enabled processes to happen in parallel to speed up the development, he said, participating in a function through video conference. "Vaccines are administered to healthy people. Therefore, the demand for trials and safety are enormous. A vaccine that is administered has to be safe, has to have an immune response that suggests it can deal with the infection and must be effective in the field", he said at "Sangam2020," the annual flagship event of IIT Madras Alumni Association "India has got an extraordinary history of successful vaccinations... India was successful in putting forth vaccines which completely transformed the health care system. Other vaccines like smallpox were administered without much discussion... today the world has changed and everyone rightly discusses and debates everything, as it should be," he said. His comments come at a time when 30 vaccine candidates for COVID-19 are being developed within the country. Five vaccine candidates are under different phases of clinical trials in India. VijayRaghavan said vaccines are subjected to stringent tests. "Typically, vaccines take 10 years to develop," he said. "There has been a huge amount of investment and investment comes by allowing what could otherwise have gone in series to now go in parallel. You stockpile and manufacture while the trials are going on.. but supposing the trials fail, the whole stockpile has to be dumped", he said. IIT Madras director professor Bhaskar Ramamurthi, speaking on the new normal in education and research in the backdrop of COVID-19 induced lockdown, said 40 per cent of students could not join the classes initially. "Now we are able to make sure everybody is able to attend classes, barring a handful and those cases also have been resolved now", he said. PTI VIJAPR ADMINISTRATOR ADMINISTRATOR

Date: 5th December 2020

Media: The New Indian Express- EDEX

Edition: Online

Journalist: Prajanma Das

Spokesperson Quoted: Dr Vinay Sahasrabuddhe

Headline: Leadership is like God: Why BJP MP Dr Vinay Sahasrabuddhe thinks we need better B-schools

URL: <https://www.edexlive.com/news/2020/dec/05/dr-vinay-sahasrabuddhe-at-iit-madras-we-need-better-b-schools-and-mbas-16387.html>

The COVID-19 pandemic has been the most uncertain time that the world has seen in this millennium but it has also made structural changes and exposed cracks in the system, said Dr Vinay Sahasrabuddhe, the National Vice-President of the Bharatiya Janta Party (BJP) and a Rajya Sabha MP. Dr Sahasrabuddhe was speaking at IIT Madras' conclave Sangam, which is being held virtually this year.

Talking about why we need better institution-building abilities, Dr Sahasrabuddhe said that we need better leadership and the institutes need to teach not just corporate leadership but other forms as well. "Leadership, like God, is omnipresent. But what our management schools teach is very lopsided. It does not look into the aspect of political, social, situational or thought leadership. There are management institutes in India whose own management is in shambles. Institution building is a science but we are not paying heed to it. We are suffering from a crisis of purpose, the crisis of authenticity, the crisis of ownership and the crisis of relationship. Unless we deal with these the bickering in the society will be there," he added.

Uncertainty is the one thing that makes people more uncomfortable than anything else. It's like trying to find your way in the dark, said Dr Sahasrabuddhe. "Epidemiology, I believe has a sociological aspect. The Sociology of Epidemiology requires to be further researched. The pandemic has given us an opportunity to evolve a deeper sense of responsibility. We need to learn the balance between individualism and collectivism. It is also the time to learn how to empathise, not only with the patients but with those who are at the fringe of the society and are marginalised. Staying locked inside now room makes you feel like an untouchable — this can give us a feeling of how the untouchables in our society must have felt like. It helps us empathise," he added.

He also said that the way migrant labourers were dealt with showed the strong bond between people. "The way the migrant labourers were welcomed by the villagers and rehabilitated by the government and non-governmental agencies is definitely a positive sign. The pandemic has also made us realise that we can be self-supportive, self-sufficient or Aatmanirbhar. To be Aatmanirbhar you need to have self-realisation as well," added the author and politician.

Date: 5th December 2020

Media: The News Indian Express-EDEX

Edition: Online

Journalist: Parvathi Benu

Spokesperson Quoted: Prof. K. VijayRaghavan

Headline: Principal Scientific Adviser K VijayRaghavan: We are alive today because we got vaccinated

URL: <https://www.edexlive.com/news/2020/dec/05/principal-scientific-adviser-k-vijayraghavan-we-are-alive-today-because-we-got-vaccinated-16389.html>

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Date: 5th December 2020

Media: India TV

Edition: Online

Journalist: NA

Spokesperson Quoted: Prof. K. VijayRaghavan

Headline: "कामयाब टीके विकसित करने में भारत का असाधारण इतिहास रहा है"
("India has an extraordinary history of brining out successful vaccines")

URL: <https://www.indiatv.in/india/national-india-has-extraordinary-history-of-brining-out-successful-vaccines-758034>

केंद्र सरकार के प्रधान वैज्ञानिक सलाहकार के.विजय राघवन ने शनिवार को कहा कि कामयाब टीके विकसित करने में भारत का असाधारण इतिहास रहा है, जिसने स्वास्थ्य सेवा प्रणाली को बदल दिया है। इसके लिए उन्होंने चेचक के टीके का हवाला दिया और कहा "जिसे बहुत चर्चा के बिना उपयोग में लाया गया था।" एक कार्यक्रम के दौरान ऑनलाइन संबोधन में राघवन ने कहा कि टीका विकसित करने के लिए किए गए भारी निवेश का मतलब बीच का रास्ता अपनाना कतई नहीं है। उन्होंने कहा, "टीके की खुराक स्वस्थ लोगों को दी जाती है, इसलिए परीक्षण एवं सुरक्षा संबंधित मांगें असाधारण होती हैं।" आईआईटी मद्रास के पूर्व छात्रों के संघ के वार्षिक कार्यक्रम "संगम 2020" के दौरान राघवन ने कहा, "कामयाब टीके विकसित करने में भारत का असाधारण इतिहास रहा है भारत ऐसा टीका विकसित करने में सबसे आगे रहा, जिसने स्वास्थ्य सेवा प्रणाली को बदलकर रख दिया।"

Date: 5th December 2020

Media: Navbharat Times

Edition: Online

Journalist: NA

Spokesperson Quoted: Prof. K. VijayRaghavan

**Headline: कामयाब टीके विकसित करने में भारत का असाधारण इतिहास रहा है: विजयराघवन
(India has an extraordinary history of bringing out successful vaccines: VijayRaghavan)**

URL: <https://navbharattimes.indiatimes.com/state/other-states/bangalore/chennai/india-has-an-extraordinary-history-in-developing-successful-vaccines-vijayaraghavan/articleshow/79584361.cms>

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अयोध्या: 200 फीट के नीचे भुरभुरी बालू के कारण रुका काम मंदिर का निर्माण, रौनाही में दो मीनारों वाली अंडाकार मस्जिद की डिजाइन तैयार

विध्वंस की स्मृति को पीछे छोड़ सृजन के सपने बुन रही रामनगरी

मस्जिद के ट्रस्ट में नहीं होगी सरकारी नुमाइंदगी, सुप्रीम कोर्ट ने खारिज की याचिका

पत्रिका न्यूज नेटवर्क
patrika.com

अयोध्या. छह दिसंबर 1992 की तारीख ने भले ही हम सभी के जहन में अमिट छाप छोड़ी हो, पर 28 साल के लंबे सफर के बाद आज की तस्वीर पूरी तरह से बदल चुकी है। रामनगरी ध्वंस की काले पीछे छोड़कर अब सृजन के सपने बुन रही है। भव्य मंदिर निर्माण की बात जोर रही विहिप पहले ही प्लान कर चुकी है कि अब शीर्ष विवस मनाने की कोई जरूरत नहीं। निर्णय आने के बाद मंदिर निर्माण ही सबसे बड़े शीर्ष का पर्याय होगा। आज विवादित डांच

डहाए जाने की बरती है। पहले की बरसी के मुकाबले इस बार 6 दिसंबर की पूर्व संध्या कहीं ज्यादा शांत नजर आई। दरअसल विवादित डांचा गिराए जाने की घटना के बाद से ही हर साल 6 दिसंबर को जहां एक पक्ष शीर्ष विवस मनाता रहा है तो वहीं मस्जिद के दावेदार गम कर इजहार करते रहे हैं। पर बीते साल से ही यहां बदलाव बचा होने लगा है। मंदिर निर्माण की तैयारियों के बीच रामलला के प्रति आभुक्तता में न केवल बुद्धि हुई है, बल्कि राम भक्तों के रुख रुझान में भी तब्दीली आई है। जिस मंदिर-मस्जिद विवाद के चलते रामनगरी ध्वंस के सनसनीखेज कांड से गुजरी, उस विवाद को पीछे छोड़कर अयोध्या अब नये सपने संजोये आकाश की ओर उड़ान भर रही है। बीते साल 9 नवंबर को सुप्रीम कोर्ट का फैसला आने के बाद न केवल भव्य राम मंदिर की तैयारी है बल्कि दिव्य अयोध्या का भी स्वाका खींचा जा रहा है।

मस्जिद के ट्रस्ट में नहीं होगी सरकारी नुमाइंदगी

अयोध्या में पांच एकड़ जमीन पर मस्जिद निर्माण के लिए बनाई गई कमेटी में कोई भी सरकारी कर्मचारी शामिल नहीं किया जाएगा। सुप्रीम कोर्ट ने मस्जिद निर्माण के लिए गठित कमेटी में सरकार के लोगों को शामिल करने की मांग वाली जनहित याचिका को खारिज करके यह फैसला सुनाया है। मस्जिद निर्माण के लिए बंडो इस्लामिक कल्चरल फाउंडेशन ट्रस्ट नाम से कमेटी बनाई गई है। इसमें सभी सदस्य सक्रिय बोर्ड के सदस्य शामिल हैं। आपसो बल दें कि सर्वोच्च न्यायालय ने उत्तर प्रदेश सुनौ बका बोर्ड को राम मंदिर की जमीन के बदले में अलग जमीन दी है। जहां मस्जिद बनाई जाएगी।

मजबूत नींव पर फंसा पेंच

श्रीरामजन्मभूमि पर हजार साल तक अक्षुण्ण रहने वाले भव्य राममंदिर निर्माण शुरू करने से पहले इंजीनियरों का कार्य मुश्किलों से सामना हो रहा है। राम मंदिर के दो सौ फीट नीचे तक खुदाई में भुरभुरी बालू मिलने से मजबूत नींव तैयार करने पर कई पेंच फंसा गये हैं। सेंट्रल थिंकिंग रिसर्च इंस्टीट्यूट (सीबीआरआई) रुड़की ने अपनी रिपोर्ट में सरयू की किनारा और भुरभुरी बालू को रोका रिफोर्ट दी है, इसके बाद आईआईटी केरई हर तूकान, भूकंप आदि में मजबूत नींव न हिले, ऐसी तकनीकी आधार बनाने में जुटी है। श्रीरामजन्मभूमि तीर्थक्षेत्र ट्रस्ट के महासंघिव चंपत राय की ओर देश के तमाम शीर्ष

संत-धर्माचार्यों को मेजे जा रहे संदेश से यह तथ्य सामने आया है। दरअसल नींव निर्माण में हो रही बेरी पर कई संतों ने ट्रस्ट से जानना चाहा है कि इसकी वजह क्या है। अभी तक मंदिर का निर्माण क्यों नहीं हो पा रहा। इसके जवाब में चंपत राय का एक मैसेज वायरल हुआ है, जिसमें उन्होंने देश के शीर्ष संतों को रिश्ति स्पष्ट करते हुए लिखा है कि सरयू नदी के पास मंदिर का निर्माण होने के चलते और भूमि के नीचे दो सौ फीट गहराई तक भुरभुरी बालू होने के कारण मजबूत नींव की खोज पर इंजीनियर आपस में चर्चा कर रहे हैं। सामुहिक निर्णय के पश्चात नींव के निर्माण का कार्य शीघ्र प्रारंभ हो सकेगा।

दो मीनारों वाली अंडाकार मस्जिद की डिजाइन तैयार

अयोध्या के बनने वाली मस्जिद का खाका तैयार कर लिया गया है। इंडो इस्लामिक कल्चरल फाउंडेशन ट्रस्ट ने मस्जिद का जो डिजाइन तैयार कराया है, उसके मुताबिक मस्जिद दो मीनारों वाली अंडाकार आकार में होगी। इसके अलावा दो हजार लोग परिसर में एक साथ नमाज अदा कर सके। जामिया मिलिया इस्लामिया में आर्किटेक्टर विभाग के अध्यक्ष प्रोफेसर एसाद अख्तर को डिजाइन बनाने की जिम्मेदारी दी गई थी। मस्जिद में रौशनी की व्यवस्था सौर ऊर्जा के माध्यम से होगी, यही नहीं, जल संरक्षण की भी व्यवस्था होगी।

Date: 6th December 2020

Media: Zee News

Edition: Online

Journalist: Manmeet Gupta

Headline: राम मंदिर निर्माण की शुभ घड़ी नजदीक, नींव खुदाई की तारीख तय करने को कल अहम बैठक (Auspicious time for construction of Ram temple near, important meeting tomorrow to fix date for foundation excavation)

URL: <https://zeenews.india.com/hindi/india/up-uttarakhand/ram-mandir-nirman-become-faster-important-meeting-on-7-and-8th-december-dvup/800934>

अयोध्या में राम मंदिर निर्माण की नींव रखने का काम जल्द शुरू हो सकता है। इसे लेकर श्री राम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट और राम मंदिर निर्माण समिति की एक अहम बैठक 7 और 8 दिसंबर को होनी है। इस बैठक में शामिल होने के लिए राम मंदिर निर्माण समिति के चेयरमैन पूर्व आईएएस अधिकारी नृपेंद्र मिश्र अयोध्या पहुंच चुके हैं। उनके साथ राम मंदिर मॉडल बनाने वाले सोमपुरा परिवार से आशीष सोमपुरा भी गुजरात से आ गए हैं।

दो दिन दो जगह पर होगी बैठक

7 और 8 दिसंबर की राम मंदिर निर्माण समिति की बैठक बेहद अहम मानी जा रही है। यह माना जा रहा है कि इस बैठक में राम मंदिर निर्माण कार्य की शुरुआत की तिथि पर निर्णय लिया जाएगा। ऐसी भी उम्मीद जताई जा रही है कि इसी महीने में राम मंदिर निर्माण के लिए महत्वपूर्ण नींव खुदाई का काम शुरू हो जाएगा। बैठक सर्किट हाउस और राम जन्मभूमि परिसर दोनों जगह रखी गई है।

मंदिर निर्माण समिति के चेयरमैन ने किए रामलला के दर्शन

अयोध्या पहुंचे मंदिर निर्माण समिति के चेयरमैन नृपेंद्र मिश्र ने रामलला के दर्शन किए और हनुमानगढ़ी जाकर भगवान हनुमान का आशीर्वाद लिया। इसके बाद सर्किट हाउस में अधिकारियों के साथ औपचारिक मुलाकात की। 7 दिसंबर को दोपहर 12:00 बजे मंदिर निर्माण समिति की बैठक बुलाई गई है।

मंदिर निर्माण से जुड़े लोग होंगे बैठक में शामिल

इस बैठक में मंदिर निर्माण समिति के चेयरमैन पूर्व आईएएस अधिकारी नृपेंद्र मिश्र, टाटा कंसल्टेंसी इंजिनियर्स, निर्माण कंपनी लार्सन एंड टूब्रो के इंजीनियर आईआईटी चेन्नई के विशेषज्ञ वैज्ञानिक टेक्निकल टीम के लोग शामिल होंगे। सबसे पहले 7 दिसंबर की सुबह राम मंदिर निर्माण समिति के चेयरमैन राम जन्म भूमि परिसर जाएंगे जहां स्थलीय निरीक्षण करेंगे। इस दौरान राम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महामंत्री चंपत राय, ट्रस्टी डॉ अनिल मिश्र, ट्रस्ट विमलेंद्र मोहन प्रताप मिश्र भी साथ होंगे।

Date: 6th December 2020

Media: Amar Ujala

Edition: Online

Journalist: NA

Headline: राममंदिर निर्माण पर मंथन करने पहुंचे नृपेंद्र मिश्र (Nripendra Mishra arrived to discuss the construction of Ram temple)

URL: <https://www.amarujala.com/uttar-pradesh/faizabad/nripendra-mishra-arrived-to-discuss-the-construction-of-ram-mandir-faizabad-news-lko5535167184>

अयोध्या में राम मंदिर निर्माण की नींव रखने का काम जल्द शुरू हो सकता है. इसे लेकर श्री राम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट और राम मंदिर निर्माण समिति की एक अहम बैठक 7 और 8 दिसंबर को होनी है. इस बैठक में शामिल होने के लिए राम मंदिर निर्माण समिति के चेयरमैन पूर्व आईएएस अधिकारी नृपेंद्र मिश्र अयोध्या पहुंच चुके हैं. उनके साथ राम मंदिर मॉडल बनाने वाले सोमपुरा परिवार से आशीष सोमपुरा भी गुजरात से आ गए हैं.

दो दिन दो जगह पर होगी बैठक

7 और 8 दिसंबर की राम मंदिर निर्माण समिति की बैठक बेहद अहम मानी जा रही है. यह माना जा रहा है कि इस बैठक में राम मंदिर निर्माण कार्य की शुरुआत की तिथि पर निर्णय लिया जाएगा. ऐसी भी उम्मीद जताई जा रही है कि इसी महीने में राम मंदिर निर्माण के लिए महत्वपूर्ण नींव खुदाई का काम शुरू हो जाएगा. बैठक सर्किट हाउस और राम जन्मभूमि परिसर दोनों जगह रखी गई है.

मंदिर निर्माण समिति के चेयरमैन ने किए रामलला के दर्शन

अयोध्या पहुंचे मंदिर निर्माण समिति के चेयरमैन नृपेंद्र मिश्र ने रामलला के दर्शन किए और हनुमानगढ़ी जाकर भगवान हनुमान का आशीर्वाद लिया. इसके बाद सर्किट हाउस में अधिकारियों के साथ औपचारिक मुलाकात की. 7 दिसंबर को दोपहर 12:00 बजे मंदिर निर्माण समिति की बैठक बुलाई गई है.

मंदिर निर्माण से जुड़े लोग होंगे बैठक में शामिल

इस बैठक में मंदिर निर्माण समिति के चेयरमैन पूर्व आईएएस अधिकारी नृपेंद्र मिश्र, टाटा कंसल्टेंसी इंजिनियर्स, निर्माण कंपनी लार्सन एंड टूब्रो के इंजीनियर आईआईटी चेन्नई के विशेषज्ञ वैज्ञानिक टेक्निकल टीम के लोग शामिल होंगे. सबसे पहले 7 दिसंबर की सुबह राम मंदिर निर्माण समिति के चेयरमैन राम जन्म भूमि परिसर जाएंगे जहां स्थलीय निरीक्षण करेंगे. इस दौरान राम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महामंत्री चंपत राय, ट्रस्टी डॉ अनिल मिश्र, ट्रस्ट विमलेंद्र मोहन प्रताप मिश्र भी साथ होंगे.

Date: 7th December 2020

Media: Aaj Tak

Edition: Online

Journalist: Abhishek Kumar

Headline: राम मंदिर निर्माण पर मंथन के लिए अयोध्या पहुंचे नृपेंद्र मिश्र, आज होगी चर्चा (Nripendra Mishra arrives in Ayodhya for brainstorming on Ram temple construction, will be discussed today)

URL: <https://www.aajtak.in/india/uttar-pradesh/story/head-of-the-ram-temple-construction-committee-nripendra-mishra-reached-ayodhya-1172968-2020-12-07>

अयोध्या में राम मंदिर निर्माण की नींव रखने का काम जल्द शुरू हो सकता है. इसे लेकर श्री राम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट और राम मंदिर निर्माण समिति की एक अहम बैठक 7 और 8 दिसंबर को होनी है. इस बैठक में शामिल होने के लिए राम मंदिर निर्माण समिति के चेयरमैन पूर्व आईएएस अधिकारी नृपेंद्र मिश्र अयोध्या पहुंच चुके हैं. उनके साथ राम मंदिर मॉडल बनाने वाले सोमपुरा परिवार से आशीष सोमपुरा भी गुजरात से आ गए हैं.

दो दिन दो जगह पर होगी बैठक

7 और 8 दिसंबर की राम मंदिर निर्माण समिति की बैठक बेहद अहम मानी जा रही है. यह माना जा रहा है कि इस बैठक में राम मंदिर निर्माण कार्य की शुरुआत की तिथि पर निर्णय लिया जाएगा. ऐसी भी उम्मीद जताई जा रही है कि इसी महीने में राम मंदिर निर्माण के लिए महत्वपूर्ण नींव खुदाई का काम शुरू हो जाएगा. बैठक सर्किट हाउस और राम जन्मभूमि परिसर दोनों जगह रखी गई है.

मंदिर निर्माण समिति के चेयरमैन ने किए रामलला के दर्शन

अयोध्या पहुंचे मंदिर निर्माण समिति के चेयरमैन नृपेंद्र मिश्र ने रामलला के दर्शन किए और हनुमानगढ़ी जाकर भगवान हनुमान का आशीर्वाद लिया. इसके बाद सर्किट हाउस में अधिकारियों के साथ औपचारिक मुलाकात की. 7 दिसंबर को दोपहर 12:00 बजे मंदिर निर्माण समिति की बैठक बुलाई गई है.

मंदिर निर्माण से जुड़े लोग होंगे बैठक में शामिल

इस बैठक में मंदिर निर्माण समिति के चेयरमैन पूर्व आईएएस अधिकारी नृपेंद्र मिश्र, टाटा कंसल्टेंसी इंजिनियर्स, निर्माण कंपनी लार्सन एंड टूब्रो के इंजीनियर आईआईटी चेन्नई के विशेषज्ञ वैज्ञानिक टेक्निकल टीम के लोग शामिल होंगे. सबसे पहले 7 दिसंबर की सुबह राम मंदिर निर्माण समिति के चेयरमैन राम जन्म भूमि परिसर जाएंगे जहां स्थलीय निरीक्षण करेंगे. इस दौरान राम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महामंत्री चंपत राय, ट्रस्टी डॉ अनिल मिश्र, ट्रस्ट विमलेंद्र मोहन प्रताप मिश्र भी साथ होंगे.

Date: 9th December 2020

Media: The New Indian Express (clip attached)

Edition: Bangalore / Chennai / Hyderabad / New Delhi

Page No: 10

Journalist: Namita Bajpai

Headline: Work on Ram temple foundation to start after Dec 15

URL: <https://www.newindianexpress.com/nation/2020/dec/08/work-on-ram-temple-foundation-to-take-off-in-ayodhya-after-december-15-2233549.html>

Work on Ram temple foundation to start after Dec 15

NAMITA BAJPAI @Lucknow

THE work on the foundation for proposed Ram temple on Ram Janmabhoomi premises is likely to take off after December 15. The decision to this effect came to the fore after the conclusion of a two-day meeting of the construction committee for Ram temple, presided over by chairman Nripendra Mishra in the temple town of Ayodhya on Tuesday.

As per the sources, experts

from L&T, Tata Consultant Engineers, IIT-Madras and IIT-Roorkee, the architect of Akshardham temple, Brahma Bihari Swami, and one of the architects for the Ram Mandir, Ashish Sompura, were present in the meeting.

The sources claimed that the experts are likely to submit a soil test report and drawing report of temple foundation to the construction



committee by December 15. According to temple trust treasurer Mahant Govind Dev Giri, based on the experts' report, a roadmap for temple construction would be drawn and the work on its structure would begin around January 15.

The sources, privy to the construction committee meeting, claimed that in the first phase, construction of an outer security wall of the 67-acre

Ram Janmabhoomi premises would be taken up.

The sources said that the roadmap to develop the 65-acre land outside the periphery of the temple was also discussed at the meeting. He claimed that UP CM Yogi Adityanath wanted to develop the Ram Janmabhoomi premises as 'Vedic City'.

"Even we aspire to develop Janmabhoomi premises as the 'cultural capital of world,'" said Mahant Govind Dev Giri.

Date: 8th December 2020

Media: The Times of India

Edition: Online

Journalist: NA

Headline: Defying sand hurdle, temple pillars to be laid after Dec 15

URL: <https://timesofindia.indiatimes.com/city/lucknow/defying-sand-hurdle-temple-pillars-to-be-laid-after-dec-15/articleshow/79633479.cms>

Ayodhya: Defying initial hiccups of loose sand impairing a robust foundation to the Ram temple in Ayodhya, work on the foundation will finally take off after December 15, exactly two months behind schedule. The move was green-flagged by the Ram temple construction committee led by chairman Nripendra Mishra, who concluded the two-day brainstorming session at Faizabad Circuit House on Tuesday evening. Experts from Larsen & Toubro, Tata Consultancy, IIT Madras, IIT Roorkee, Akshardham temple architect, Brahm Bihari Swami, and Ram temple architect Ashish Sompura were present at the meeting along with members of the Trust, including secretary Champat Rai. Retired IAS officer and former receiver of Ramjanmabhoomi, Shatrughan Singh, made his debut at the panel meeting on Tuesday. The experts will soon submit their report to the construction committee. Talking to TOI, Dr Anil Mishra, trustee of Ram temple Trust, confirmed work on laying the temple foundation will begin after December 15 and in the first phase, the outer security wall will be built.

Date: 8th December 2020

Media: Zee Business

Edition: Online

Journalist: NA

Headline: Work on laying foundations for Ram temple in Ayodhya to begin after Dec 15

URL: <https://www.zeebiz.com/india/news-work-on-laying-foundations-for-ram-temple-in-ayodhya-to-begin-after-dec-15-143243>

The work on laying the foundations for the Ram temple here will start after December 15, the two-day meeting of the Ram Mandir construction committee concluded on Tuesday. Experts from Larsen & Toubro, Tata Consulting Engineers Limited, Indian Institute of Technology Madras, IIT Roorkee, architect of Achar Dham temple architect Braham Vihari Swami and one of the architects of the Ram temple, Ashish Sompura, were present in the meeting. The experts will soon submit their report to the construction committee. Anil Mishra, Trustee of the Sri Ram Janmabhoomi Tirath Kshetra Trust, told PTI that the work on laying the foundations will start after December 15 and in the first phase the construction of the outer security wall will start. According to Govind Dev Giri, Treasurer of the Trust, in the outer periphery of the Ram Janmabhoomi premises of 67 acres, the Trust will also do the development work in coordination with the local administration. Apart from Mishra and Giri, the meeting was also attended by construction committee chairman Nripendra Mishra, Trust Secretary? Champat Rai and retired IAS officer Shatrughan Singh.

Date: 8th December 2020

Media: Deccan Herald

Edition: Online

Journalist: NA

Headline: Work on laying foundations for Ram temple in Ayodhya to begin after December 15

URL: <https://www.deccanherald.com/national/work-on-laying-foundations-for-ram-temple-in-ayodhya-to-begin-after-december-15-925063.html>

The work on laying the foundations for the Ram temple here will start after December 15, the two-day meeting of the Ram Mandir construction committee concluded on Tuesday. Experts from Larsen & Toubro, Tata Consulting Engineers Limited, Indian Institute of Technology Madras, IIT Roorkee, architect of Achar Dham temple architect Braham Vihari Swami and one of the architects of the Ram temple, Ashish Sompura, were present in the meeting. The experts will soon submit their report to the construction committee. Anil Mishra, Trustee of the Sri Ram Janmabhoomi Tirath Kshetra Trust, told PTI that the work on laying the foundations will start after December 15 and in the first phase the construction of the outer security wall will start. According to Govind Dev Giri, Treasurer of the Trust, in the outer periphery of the Ram Janmabhoomi premises of 67 acres, the Trust will also do the development work in coordination with the local administration. Apart from Mishra and Giri, the meeting was also attended by construction committee chairman Nripendra Mishra, Trust Secretary? Champat Rai and retired IAS officer Shatrughan Singh.

Date: 8th December 2020

Media: The Economic Times

Edition: Online

Journalist: NA

Headline: Work on laying foundations for Ram temple in Ayodhya to begin after December 15

URL: <https://economictimes.indiatimes.com/news/politics-and-nation/work-on-laying-foundations-for-ram-temple-in-ayodhya-to-begin-after-december-15/articleshow/79628925.cms>

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Date: 8th December 2020

Media: Outlook

Edition: Online

Journalist: NA

Headline: Work on laying foundations for Ram temple in Ayodhya to begin after Dec 15

URL: <https://www.outlookindia.com/newscroll/work-on-laying-foundations-for-ram-temple-in-ayodhya-to-begin-after-dec-15/1989712>

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Date: 8th December 2020

Media: The Week

Edition: Online

Journalist: NA

Headline: Work on laying foundations for Ram temple in Ayodhya to begin after Dec 15

URL: <https://www.theweek.in/wire-updates/national/2020/12/08/des53-up-ayodhya-temple.html>

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Date: 8th December 2020

Media: Devdiscourse

Edition: Online

Journalist: NA

Headline: Work on laying foundations for Ram temple in Ayodhya to begin after Dec 15

URL: <https://www.devdiscourse.com/article/science-environment/1364227-work-on-laying-foundations-for-ram-temple-in-ayodhya-to-begin-after-dec-15>

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Date: 8th December 2020

Media: Siasat Daily

Edition: Online

Journalist: NA

Headline: Work on laying foundations for Ram temple to begin after Dec 15

URL: <https://www.siasat.com/work-on-laying-foundations-for-ram-temple-to-begin-after-dec-15-2041214/>

The work on laying the foundations for the Ram temple here will start after December 15, the two-day meeting of the Ram Mandir construction committee concluded on Tuesday. Experts from Larsen & Toubro, Tata Consulting Engineers Limited, Indian Institute of Technology Madras, IIT Roorkee, architect of Achar Dham temple architect Brahm Vihari Swami and one of the architects of the Ram temple, Ashish Sompura, were present in the meeting. The experts will soon submit their report to the construction committee. Anil Mishra, Trustee of the Sri Ram Janmabhoomi Tirath Kshetra Trust, told PTI that the work on laying the foundations will start after December 15 and in the first phase the construction of the outer security wall will start. According to Govind Dev Giri, Treasurer of the Trust, in the outer periphery of the Ram Janmabhoomi premises of 67 acres, the Trust will also do the development work in coordination with the local administration. Apart from Mishra and Giri, the meeting was also attended by construction committee chairman Nripendra Mishra, Trust Secretary Champat Rai and retired IAS officer Shatrughan Singh. PTI CORR KJ

Date: 8th December 2020

Media: Daily Excelsior

Edition: Online

Journalist: NA

Headline: Work on laying foundations for Ram temple in Ayodhya to begin after Dec 15

URL: <https://www.dailyexcelsior.com/work-on-laying-foundations-for-ram-temple-in-ayodhya-to-begin-after-dec-15/>

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Date: 8th December 2020

Media: ABP Live

Edition: Online

Journalist: Rishi Gupta

Headline: राम मंदिर निर्माण: बुनियाद की मजबूती की रिसर्च रिपोर्ट 15 दिसंबर तक मिलेगी, अप्रैल तक नींव के पिलर बनाने का लक्ष्य (Ram temple construction: Research report of foundation's strength will be received by December 15, target to make foundation pillar by April)

URL: <https://www.abplive.com/states/up-uk/1200-pillars-of-ram-temple-completed-till-april-of-next-year-in-ayodhya-ann-1670532>

अयोध्या मी राम जमभूम मंदर का नमाण कायइसी माह दसंबर मपूरी तरह शु हो जाएगा. नमाण काय मलगी एजसय के बीच समवय और अनुबंध का कायपूरा हो चुका है. सरयूका कनारा होनेके कारण नीचे एक साथ दो कोरोना वैसीन लॉच कर भारत नेनया मखुद को... e रलेटेड टोरीज उराखंड म AAP और BJP के बीच दलचप ई सयासी जंग, जान- य खास हैकल का दन होम लखनऊ देहरान वाराणसी कानपुर आगरा मेरठ नोएडा यागराज गेस गाजयाबाद बालूक माा अधक पाई जा रही है, इसीलए बुनयाद चर कस तरह लंबेसमय तक मजबूत रहे, इस पर रसच चल रहा है. यह रसचरपोट 15 दसंबर तक ट को मल जाएगी. इसी के बाद राम मंदर के नमाण को पंख लग जाएगे ं . राम जमभूम मंदर नमाण कायक समीा और नमाण एजसी के इंजीनयर और ट के लोग सेबातचीत करनेके लए राम मंदर नमाण समत के अय नृप म रववार को अयोध्या पंचेऔर सोमवार को उहने3 घंटेसेअधक समय तक ट के पदाधकारय और नमाण एजसय के वशेष सेवचार वमश कया. यह सलसला मंगलवार को भी जारी रहेगा. इसके तहत एजडे म बुनयाद क मजबूती, नमाण सामी क गणवा ु तथा मंदर नमाण क मब समय सीमा है. बुनयाद केपलर अल तक बन जाएगे ं सबसे पहले राम जमभूम मंदर क दवार और परकोटे बनाए जाएगे ं . इसी दौरान मंदर क बुनयाद के 1200 पलर तैयार कए जाएगे ं . इसके लए कुछ अयाधुनक मशीनभी राम जमभूम परसर ममौजूद ह. सू क मानेतो पलर नमाण का काय अल तक पूरा हो जाएगा. पलर तैयार होने के बाद बुनयाद का पूरा ढांचा पलर को आपस म जोड़कर तैयार कया जाएगा. बुनयाद तैयार होनेके बाद राम मंदर नमाण के लए तराशेगए पथर को मब तरीके सेलगाया जाएगा. राम मंदर नमाण का थम तल लगभग दो वष मतैयार होनेक बात कही जा रही है. एक बार थम तल तैयार हो जाएगा, उसके बाद राम मंदर के सरेतल का नमाण शु होगा. इसी दौरान राम जमभूम मंदर के चार तरफ नमाण होनेवाली न वाटका , राम रायबरेली: दबंग नेबाहर सेताला लगाकर घर म लगाई आग, पीड़त... चारधाम याय के लए अछ खबर, ऑल वेदर रोड केसाथ बनेगा 19... गाजयाबाद: मुरादनगर म गरा मशान घाट का लटर, अब तक 16 लो... िवापन सोनया गांधी नेकहा- 50 टॉप टोरीज गाजयाबाद: चार महीनेपहलेही बनी थी मशान घाट क छत, हादसेमअब तक 18 लोग क मौत | राम मंिदर िनमाण: बुिनयाद की मजबूती की रसचरपोट के जीवन को दशत करनेवाली मूतय क ृंखला , संत नवास समेत अय नमाण भी मब तरीकेसेहोतेरहगे. ी राम जमभूम तीथे ट के कोषाय आनंद गरी ने बताया क, हम लोग को फाउंडेशन बनानेक सेजो काय करना है, उसमबत तालमेल के साथ एलएनट, सीपीआरआई और ट क कंशन कमेट मलकर के काम कर रही है. आज पूरेथान का अवलोकन कया और इस थान मजद ही नमाण का कायआरंभ हो जाएगा. ी राम जमभूम तीथे ट के महासचव नेकहा क लासन टू के एीमट पर सनेचर हो गए हऔर ोजेट के कंसलटट के प मटाटा कंसलटट इंजीनयर के कंपनी के साथ अनुबंध हो गया है. शेष बुनयाद मजबूत बनेइस पर आपस मआईआईट मुंबई ,आईआईट दली ,आईआईट चेनई , सीपीआरआई इक, टाटा और एलएनट के इंजीनयर आपस मबातचीत कर रहेह.

Date: 8th December 2020

Media: Lokmat

Edition: Online

Journalist: NA

Headline: Sand not a problem for temple construction: Trustee

URL: <https://english.lokmat.com/politics/sand-not-a-problem-for-temple-construction-trustee/>

The Ram Mandir construction committee is working on finalising the foundation laying plan for the upcoming temple in consultation with building experts, said a key member of the Sri Ram Janmabhoomi Tirath Kshetra Trust.

After the first day of a slated two-day meeting, chaired by Ram temple construction committee chief Nripendra Mishra, Trust member Anil Mishra told PTI that the committee along with the experts from Larsen & Toubro and Tata Consulting Engineers Limited reviewed the preparations for the construction of the shrine and also discussed its layout plan.

The committee is working on finalising the foundation laying plan for the Ram Janmabhoomi Temple, said Dr Anil Mishra.

As part of the meeting, the temple construction committee chairperson Nripendra Mishra also visited the site of the upcoming temple and inspected it along with the experts and the members of the Sri Ram Janmabhoomi Tirath Kshetra Trust and the building experts from the two firms.

The Trust members who visited the site included its secretary Champat Rai and trustees Govind Dev Giri and Anil Mishra. Talking of the finding of sand a few feet below the surface at the construction site, Dr Mishra termed the discovery not surprising.

'Experts have found sand below the ground but it has not come as any surprise,' said Dr Mishra, adding the sandy soil or loose sand was expected as the Ayodhya is situated on the banks of a river.

Dismissing reports fearing that sandy soil found below the construction site may pose a hurdle to the project, Dr Mishra cited the examples of Taj Mahal, built on the Yamuna riverbank in Agra.

"Take the example of Taj Mahal. It is standing without any damage to its structure on land which has loose sand under the ground," he said.

'In today's meeting the construction committee chairman Nripendra Mishra and other Trustees took stock of the situation from the experts involved in the construction,' added Dr Mishra.

"The experts are working to ensure that the foundation of Ram temple must be strong enough to last for 1000 years," he added.

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CORR RAX RAX

Date: 8th December 2020

Media: Yahoo

Edition: Online

Journalist: NA

Headline: Ram Temple construction panel working to finalise building plan: Trust member

URL: <https://in.news.yahoo.com/ram-temple-construction-panel-working-185637640.html>

The Ram Mandir construction committee is working on finalising the foundation laying plan for the upcoming temple in consultation with building experts, said a key member of the Sri Ram Janmabhoomi Tirath Kshetra Trust.

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CORR RAX RAX

Date: 8th December 2020

Media: Bhaskar Live

Edition: Online

Journalist: NA

Headline: Sand under Ram Janambhoomi site will lay strong foundation for temple, says Trust

URL: <https://www.bhaskarlive.in/sand-under-ram-janambhoomi-site-will-lay-strong-foundation-for-temple-says-trust/>

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CORR RAX RAX

Date: 8th December 2020

Media: Udayavani

Edition: Online

Journalist: NA

Headline: Ram Temple construction panel working to finalise building plan: Trust member

URL: <https://www.udayavani.com/english-news/ram-temple-construction-panel-working-to-finalise-building-plan-trust-member>

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CORR RAX RAX

Date: 8th December 2020

Media: NP News 24

Edition: Online

Journalist: NA

Headline: Ram Janambhoomi: Sand under site will lay strong foundation for temple, says Trust

URL: <https://npnews24.com/2020/12/08/ram-janambhoomi-sand-under-site-will-lay-strong-foundation-for-temple-says-trust/>

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CORR RAX RAX

Date: 8th December 2020

Media: Prokerala

Edition: Online

Journalist: NA

Headline: Sand not a problem for temple construction: Trustee

URL: <https://www.prokerala.com/news/articles/a1109613.html>

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CORR RAX RAX

Date: 8th December 2020

Media: Daji World

Edition: Online

Journalist: NA

Headline: Sand not a problem for temple construction: Trustee

URL: <http://www.daijiworld.com/news/newsDisplay.aspx?newsID=779313>

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CORR RAX RAX

Date: 8th December 2020

Media: TFI Post

Edition: Online

Journalist: NA

Headline: Sand not a problem for temple construction: Trustee

URL: <https://tfipost.com/ians-news/sand-not-a-problem-for-temple-construction-trustee/>

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CORR RAX RAX

Date: 8th December 2020

Media: Vishwa Times

Edition: Online

Journalist: NA

Headline: Sand under Ram Janambhoomi site will lay strong foundation for temple, says Trust

URL: <https://vishvatimes.com/sand-under-ram-janambhoomi-site-will-lay-strong-foundation-for-temple-says-trust>

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CORR RAX RAX

Date: 8th December 2020

Media: Windows To News

Edition: Online

Journalist: NA

Headline: Sand not a problem for temple construction: Trustee

URL: <https://www.windowtonews.com/news.php?id=398636>

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CORR RAX RAX

Date: 8th December 2020

Media: New Kerala.com

Edition: Online

Journalist: NA

Headline: Sand not a problem for temple construction: Trustee

URL: <https://www.newkerala.com/news/2020/212350.htm>

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CORR RAX RAX

Date: 8th December 2020

Media: Orlando Indian

Edition: Online

Journalist: NA

Headline: Sand not a problem for temple construction: Trustee

URL: <https://www.orlandoindian.com/desi/newsdetail.asp?id=617328>

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Date: 8th December 2020

Media: Atlanta Indian

Edition: Online

Journalist: NA

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Media: MO Indian

Edition: Online

Journalist: NA

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CORR RAX RAX

Date: 8th December 2020

Media: Web India 123

Edition: Online

Journalist: NA

Headline: Sand not a problem for temple construction: Trustee

URL: <https://news.webindia123.com/news/Articles/India/20201208/3670936.html>

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After the first day of a slated two-day meeting, chaired by Ram temple construction committee chief Nripendra Mishra, Trust member Anil Mishra told PTI that the committee along with the experts from Larsen & Toubro and Tata Consulting Engineers Limited reviewed the preparations for the construction of the shrine and also discussed its layout plan.

The committee is working on finalising the foundation laying plan for the Ram Janmabhoomi Temple, said Dr Anil Mishra.

As part of the meeting, the temple construction committee chairperson Nripendra Mishra also visited the site of the upcoming temple and inspected it along with the experts and the members of the Sri Ram Janmabhoomi Tirath Kshetra Trust and the building experts from the two firms.

The Trust members who visited the site included its secretary Champat Rai and trustees Govind Dev Giri and Anil Mishra. Talking of the finding of sand a few feet below the surface at the construction site, Dr Mishra termed the discovery not surprising.

'Experts have found sand below the ground but it has not come as any surprise,' said Dr Mishra, adding the sandy soil or loose sand was expected as the Ayodhya is situated on the banks of a river.

Dismissing reports fearing that sandy soil found below the construction site may pose a hurdle to the project, Dr Mishra cited the examples of Taj Mahal, built on the Yamuna riverbank in Agra.

"Take the example of Taj Mahal. It is standing without any damage to its structure on land which has loose sand under the ground," he said.

'In today's meeting the construction committee chairman Nripendra Mishra and other Trustees took stock of the situation from the experts involved in the construction,' added Dr Mishra.

"The experts are working to ensure that the foundation of Ram temple must be strong enough to last for 1000 years," he added.

IIT-Madras is working on the soil testing of the foundation of Ram Mandir and the Trust has already started shifting carved stones from the Karsevakpuram workshop to the temple premises, he said. PTI
CORR RAX RAX

Date: 8th December 2020

Media: Mena FN

Edition: Online

Journalist: NA

Headline: Sand not a problem for temple construction: Trustee

URL: <https://menafn.com/1101249098/Sand-not-a-problem-for-temple-construction-Trustee&source=22>

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CORR RAX RAX

Date: 14th December 2020

Media: Amar Ujala (clip attached)

Edition: New Delhi

Page No: 11

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: 8-member committee for temple construction

मंदिर निर्माण के लिए 8 सदस्यीय कमेटी

तकनीकी टीम 15 दिसंबर को देगी रिपोर्ट, फिर अयोध्या में श्रीराममंदिर की नींव का काम शुरू करने पर होगा निर्णय

अयोध्या। श्रीराम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट व मंदिर निर्माण समिति ने श्रीराममंदिर के नींव डिजाइन की समीक्षा और सिफारिशों के लिए आठ सदस्यीय तकनीकी विशेषज्ञों की कमेटी बनाई है। कमेटी 15 दिसंबर को अपनी रिपोर्ट देगी। इसके बाद मंदिर की नींव का काम शुरू करने पर निर्णय लिया जाएगा।

पिछले दिनों अयोध्या में निर्माण समिति की हुई बैठक में एलएंडटी व टाटा कंसल्टेंसी के इंजीनियरों की नींव की डिजाइन पर सहमति नहीं बन सकी थी। इसे लेकर अलग-अलग सुझाव थे। इसे देखते हुए देशभर के शीर्ष 8 इंजीनियरों की कमेटी बनाई गई है। ट्रस्ट, एलएंडटी व टाटा कंसल्टेंसी नींव की डिजाइन से लेकर मिट्टी व

समिति में देशभर के विशेषज्ञ

1. प्रो. वी.एस.राजू : पूर्व निदेशक, आईआईटी दिल्ली : अध्यक्ष
2. प्रो. एन.गोपालकृष्णन : निदेशक, सीबीआरआई, रुड़की : कन्वेनर
3. प्रो.एस.आर.गांधी : निदेशक, एनआईटी, सूरत : सदस्य
4. प्रो. टी जी सीताराम : निदेशक, आईआईटी, गुवाहाटी : सदस्य
5. प्रो बी भट्टाचारजी : एमेरिटस-प्रोफेसर, आईआईटी, दिल्ली : सदस्य
6. एपी मल्ल : सलाहकार टीसीई : सदस्य
7. प्रो मनु संतानम : आईआईटी, मद्रास : सदस्य
8. प्रो प्रदीप्ता बनर्जी : आईआईटी, मुंबई : सदस्य



पाइल टेस्ट की रिपोर्ट इस कमेटी को सौंपेंगे। यह कमेटी इन रिपोर्टों का अध्ययन कर अपनी रिपोर्ट तैयार करेगी। उम्मीद जताई जा रही है कि कमेटी 15 दिसंबर को राममंदिर निर्माण

समिति के अध्यक्ष नृपेंद्र मिश्र को अपनी रिपोर्ट प्रस्तुत करेगी। इसके बाद ही नींव निर्माण पर फैसला लिया जाएगा। गौरतलब है कि राममंदिर परिसर में जहां नींव की खोदाई की जानी है, वहां जमीन के 200 फीट नीचे भुरभुरी बालू मिल रही है। तकनीकी कमेटी मंदिर निर्माण से जुड़े कई अन्य तथ्यों पर भी अपने सुझाव देगी। संवाद

Date: 14th December 2020

Media: Navbharat Times

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: राम मंदिर की आधारशिला संबंधी कार्य की निगरानी के लिए विशेषज्ञों की 8 सदस्यीय समिति गठित (8-member committee of experts constituted to oversee the work related to the foundation stone of the Ram temple)

URL: <https://navbharattimes.indiatimes.com/state/uttar-pradesh/ayodhya/8-member-committee-of-experts-constituted-to-oversee-the-work-related-to-the-foundation-stone-of-the-ram-temple/articleshow/79709393.cms>

राम मंदिर निर्माण समिति ने आईआईटी-दिल्ली के पूर्व निदेशक वी एस राजू की अध्यक्षता में देश के शीर्ष इंजीनियरों और निर्माण विशेषज्ञों की आठ-सदस्यीय समिति का गठन किया है, जो मंदिर की नींव रखने से जुड़े कार्यों की निगरानी करेगी। समिति के अन्य सदस्यों में सीबीआरआई-रूड़की के निदेशक एन गोपाल कृष्णन, एनआईटी सूरत के निदेशक एस आर गांधी, आईआईटी गुवाहाटी के निदेशक टी जी सीताराम, आईआईटी दिल्ली के प्रोफेसर एमेरिटस एम भट्टाचार्जी, टीसीआई के सलाहकार एपी मल्ल, आईआईटी मद्रास के मनु संथानम और आईआईटी बंबई के प्रदीप बनर्जी शामिल हैं। अयोध्या के भाजपा विधायक वेद गुप्ता ने रविवार को कहा कि राम मंदिर निर्माण समिति द्वारा एक अधिसूचना के जरिए समिति की स्थापना की गयी। गुप्ता ने कहा, "ट्रस्ट ने नींव के डिजाइन की समीक्षा और सिफारिशों के लिए संबंधित क्षेत्र के प्रतिष्ठित इंजीनियरों की एक विशेषज्ञ समिति का गठन किया है।" उन्होंने कहा कि इसका मकसद विभिन्न भू-प्रौद्योगिकी सिफारिशों पर गौर करते हुए उच्चतम गुणवत्ता और लंबी अवधि के लिए मंदिर का निर्माण करना है। प्रस्तावित मंदिर निर्माण स्थल पर जमीन से कुछ फुट नीचे रेतीली मिट्टी मिलने के बाद प्रधानमंत्री नरेंद्र मोदी के पूर्व प्रधान सचिव नृपेंद्र मिश्रा की अध्यक्षता में राम मंदिर निर्माण समिति ने पिछले सप्ताह मंदिर की नींव तैयार करने की योजना को अंतिम रूप देने के लिए बैठक की थी।

Date: 14th December 2020

Media: Lokmat- Hindi

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: राम मंदिर की आधारशिला संबंधी कार्य की निगरानी के लिए विशेषज्ञों की 8 सदस्यीय समिति गठित (8-member committee of experts constituted to oversee the work related to the foundation stone of the Ram temple)

URL: <https://www.lokmatnews.in/india/8-member-committee-of-experts-constituted-to-oversee-the-work-related-to-the-foundation-stone-of-the-b421/>

राम मंदिर निर्माण समिति ने आईआईटी-दिल्ली के पूर्व निदेशक वी एस राजू की अध्यक्षता में देश के शीर्ष इंजीनियरों और निर्माण विशेषज्ञों की आठ-सदस्यीय समिति का गठन किया है, जो मंदिर की नींव रखने से जुड़े कार्यों की निगरानी करेगी। समिति के अन्य सदस्यों में सीबीआरआई-रूड़की के निदेशक एन गोपाल कृष्णन, एनआईटी सूरत के निदेशक एस आर गांधी, आईआईटी गुवाहाटी के निदेशक टी जी सीताराम, आईआईटी दिल्ली के प्रोफेसर एमेरिटस एम भट्टाचार्जी, टीसीआई के सलाहकार एपी मल्ल, आईआईटी मद्रास के मनु संथानम और आईआईटी बंबई के प्रदीप बनर्जी शामिल हैं। अयोध्या के भाजपा विधायक वेद गुप्ता ने रविवार को कहा कि राम मंदिर निर्माण समिति द्वारा एक अधिसूचना के जरिए समिति की स्थापना की गयी। गुप्ता ने कहा, "ट्रस्ट ने नींव के डिजाइन की समीक्षा और सिफारिशों के लिए संबंधित क्षेत्र के प्रतिष्ठित इंजीनियरों की एक विशेषज्ञ समिति का गठन किया है।" उन्होंने कहा कि इसका मकसद विभिन्न भू-प्रौद्योगिकी सिफारिशों पर गौर करते हुए उच्चतम गुणवत्ता और लंबी अवधि के लिए मंदिर का निर्माण करना है। प्रस्तावित मंदिर निर्माण स्थल पर जमीन से कुछ फुट नीचे रेतीली मिट्टी मिलने के बाद प्रधानमंत्री नरेंद्र मोदी के पूर्व प्रधान सचिव नृपेंद्र मिश्रा की अध्यक्षता में राम मंदिर निर्माण समिति ने पिछले सप्ताह मंदिर की नींव तैयार करने की योजना को अंतिम रूप देने के लिए बैठक की थी।

Date: 14th December 2020

Media: India TV

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: राम मंदिर की आधारशिला संबंधी कार्य की निगरानी के लिए विशेषज्ञों की 8 सदस्यीय समिति गठित (8-member committee of experts constituted to oversee the work related to the foundation stone of the Ram temple)

URL: <https://www.indiatv.in/india/uttar-pradesh-8-member-expert-panel-set-up-to-supervise-ram-temple-foundation-laying-work-759546>

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Date: 13th December 2020

Media: The Times of India

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: 8-member expert panel set up to supervise Ram temple foundation-laying work

URL: <https://timesofindia.indiatimes.com/india/8-member-expert-panel-set-up-to-supervise-ram-temple-foundation-laying-work/articleshow/79708857.cms>

The Ram temple construction committee has set up an eight-member panel of India's top engineers and structural experts headed by IIT-Delhi's former Director V S Raju to supervise the foundation laying work for the temple. The other members of the panel are CBRI-Rookie Director N Gopal Krishnan, NIT-Surat Director S R Gandhi, IIT-Guwahati Director T G Sitaram, IIT-Delhi's professor emeritus B Bhattacharji, TCI advisor A P Mull besides Manu Santhanam of IIT-Madras and Pradipt Banerjee of IIT-Bombay. The panel was set up through a notification by the Ram Construction Committee, said Ayodhya's BJP MLA Ved Gupta on Sunday. "The Trust has constituted an expert committee of eminent engineers in the relevant field for the review and recommendations on the foundation design," said Gupta.

Date: 13th December 2020

Media: MSN

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: 8-member expert panel set up to supervise Ram temple foundation-laying work

URL: <https://www.msn.com/en-in/news/newsindia/eight-member-expert-panel-set-up-to-supervise-ram-temple-foundation-laying-work-in-ayodhya/ar-BB1bTsUi>

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Date: 13th December 2020

Media: Outlook

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: 8-member expert panel set up to supervise Ram temple foundation-laying work

URL: <https://www.outlookindia.com/newscroll/8member-expert-panel-set-up-to-supervise-ram-temple-foundationlaying-work/1992503>

The Ram temple construction committee has set up an eight-member panel of India's top engineers and structural experts headed by IIT-Delhi's former Director V S Raju to supervise the foundation laying work for the temple. The other members of the panel are CBRI-Rookie Director N Gopal Krishnan, NIT-Surat Director S R Gandhi, IIT-Guwahati Director T G Sitaram, IIT-Delhi's professor emeritus B Bhattacharji, TCI advisor A P Mull besides Manu Santhanam of IIT-Madras and Pradipt Banerjee of IIT-Bombay. The panel was set up through a notification by the Ram Construction Committee, said Ayodhya's BJP MLA Ved Gupta on Sunday. "The Trust has constituted an expert committee of eminent engineers in the relevant field for the review and recommendations on the foundation design," said Gupta.

Date: 13th December 2020

Media: The Week

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

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URL: <https://www.theweek.in/wire-updates/national/2020/12/13/des41-up-ayodhya-temple.html>

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Date: 13th December 2020

Media: Business Standard

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: 8-member expert panel set up to supervise Ram temple foundation-laying work

URL: https://www.business-standard.com/article/current-affairs/8-member-expert-panel-set-up-to-supervise-ram-temple-foundation-laying-work-120121300767_1.html

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Date: 13th December 2020

Media: Deccan Herald

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: 8-member expert panel set up to supervise Ram temple foundation-laying work

URL: <https://www.deccanherald.com/national/8-member-expert-panel-set-up-to-supervise-ram-temple-foundation-laying-work-926987.html>

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Date: 13th December 2020

Media: News- 18 India

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Eight-member Expert Panel Set Up to Supervise Ram Temple Foundation-laying Work in Ayodhya

URL: <https://www.news18.com/news/india/eight-member-expert-panel-set-up-to-ram-temple-foundation-laying-work-in-ayodhya-3174632.html>

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Date: 13th December 2020

Media: The New Indian Express

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Eight-member expert panel set up to supervise Ram temple foundation-laying work

URL: <https://www.newindianexpress.com/nation/2020/dec/13/eight-member-expert-panel-set-up-to-supervise-ram-temple-foundation-laying-work-2235755.html>

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Date: 13th December 2020

Media: Prime Times. in

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Eight-member Expert Panel Set Up to Supervise Ram Temple Foundation-laying Work in Ayodhya

URL: <https://www.primetimes.in/news/546972/eight-member-expert-panel-set-up-to-supervise-ram-temple-foundation-laying-work-in-ayodhya/>

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Date: 15th December 2020

Media: The Economic Times (clip attached)

Edition: Ahmedabad / Kolkata / New Delhi

Page No: 3

Journalist: Anubhuti Vishnoi

Headline: Most IITs Opposed to Tech Courses in Indian Languages

URL: <https://economictimes.indiatimes.com/industry/services/education/most-iits-opposed-to-tech-courses-in-indian-languages/articleshow/79726971.cms>

Most IITs Opposed to Tech Courses in Indian Languages

IIT chiefs say move not in conformance with global work and industry demands

Anubhuti.Vishnoi
@timesgroup.com

New Delhi: The directors of premier engineering institutions in the country, including the prestigious Indian Institutes of Technology (IITs), are learnt to have opposed a government proposal to offer technical courses in Indian languages from the next academic year, citing dissonance with global demand.

At a 'high-level' meeting on December 2 that discussed the proposal announced by Union education minister Ramesh Pokhriyal Nishank, the invitation extended to the RSS-backed Samkalp Foundation, an IAS coaching academy, is also said to have raised quite a few eyebrows.

Directors of IIT-Delhi, Bombay, Madras, Kanpur, Kharagpur, Tirupati, and Banaras Hindu University and a few NIT Directors as well as officials from the AICTE were present at the meeting, ET has gathered.

Directors of IIT Delhi, Madras, Bombay, Kanpur and Tirupati spoke largely in one voice to oppose the move, saying it was not in conformance with global work and industry demands. They also cited the absence of teaching and reference material in various Indian languages, besides the acute shortage of faculty trained in regional languages, ET has learnt. At the meeting, a presentation was made proposing courses in Indian languages in Electrical, Civil and Mechanical Engineering in select IITs in batches of 50, half of all National Institutes of Technology and select government engineering colleges from 2020-21. The phase 2 and phase 3 of the programme, spread over 2022-23 and 2023-24, seek to expand the language-based tech courses to 50% of IITs and 75% of IITs, respectively; and 100% NITs with increased batch sizes, ET has learnt.

In Phase 1, supernumerary seats were to be created for these courses in Indian languages, with IIT Madras offering them in Tamil, IIT Tirupati in Telugu, IIT Kharagpur in Bangla, IIT Delhi, Kanpur and BHU in Hindi.

Most of the IITs pointed out how creating supernumerary seats - adding seats to the existing number - was untenable with the present fund allocation and infrastructure.



RSS TOUCH

Invite to RSS-backed IAS coaching academy at high-level meeting also raises eyebrows

Several IITs also pointed out how their current faculty was not adequately trained to teach in Indian languages and hiring faculty only on the basis of language would compromise their high academic standards. IIT BHU and IIT Kharagpur were the only two IITs that were agreeable to the idea of launching language-based tech courses, it is learnt.

In response to ET queries on the strong objections raised by IIT Directors, the education ministry said that a task force has been set up under the chairmanship of secretary, higher education and it will take into consideration the suggestions made by various stakeholders.

"During the meeting, it was emphasised to all stakeholders that no language will be imposed on any student. However, an enabling environment will be created so that those students from all over the country who have not studied in English medium schools, are able to pursue higher education without difficulty" the ministry said. The December 2 meeting was also attended by the RSS-affiliated Samkalp Foundation which is learnt to have made a presentation calling for implementation of language-based tech courses from the 2021 academic session. When ET contacted Samkalp Foundation's Santosh Taneja on the meeting he had attended, he said the education ministry had invited them as they were 'well-wishers' working in the area of education.

Date: 16th December 2020

Media: The Times of India (clip attached)

Edition: Chennai / Mumbai

Page No: 2

Journalist: Yogita Rao

Headline: IIT-B may open campus to a few final-year undergrads

URL: <https://timesofindia.indiatimes.com/city/mumbai/iit-bombay-may-open-campus-to-a-few-final-year-undergrads/articleshow/79750629.cms>

IIT-B may open campus to a few final-year undergrads

Yogita.Rao@timesgroup.com

Mumbai: IIT-Bombay is likely to reopen its campus for a limited number of final-year undergraduate students in the upcoming spring semester, after assessing their laboratory requirements and willingness. So far, just PhD and second-year MTech students were allowed on campus.

The plan, though, will be evaluated based on feedback from IIT-Madras, which was shut following a spurt in Covid cases.

While the institute's senate is yet to finalise the academic plan for the semester, officials say given the pandemic situation, classes will be conducted online in all likelihood. Students facing resource constraints in attending online classes, though, may be allowed on campus too.

While the final semester does not involve much laboratory work, many who have opted for projects may require the institute's resources, said a professor. "Though there are some who can manage their projects remotely using simulation, others may have to rely on laboratory work. The numbers could be small but the institute may allow them only if they are wil-



IIT-B will seek feedback from IIT-Madras, which saw a spurt in Covid cases

ling to return to the campus and if their guides approve their requirements."

There are also students who live in remote areas and have been facing difficulties in attending online classes. "There are problems with internet connectivity, erratic power supply or just space constraints. If such students want to return to campus, the institute may consider applications on a case-to-case basis," said a professor. The institute's senate will meet soon to finalise the mode of conduct of lectures in the spring semester, starting January.

IIT-B director Subhasis Chaudhuri confirmed the institute is looking at allowing undergra-

duate students in smaller groups, especially the ones who have projects in their final year. It will be completely voluntary though, he said, adding the plan will be evaluated based on feedback they receive from Chennai.

A final-year student said many who have bagged offers and do not have a project may not consider returning. He said some who have opted for the honours programme or final-year dual-degree students may have lab work. For some final-year students, lab work in the autumn semester was deferred; they may be allowed now, said the student. "Students may be called sometime after January, depending on the pandemic."

IIT-Guwahati develops AgSpeak to help farmers manage crops

GUWAHATI

STUDENTS of IIT Guwahati and alumni of NIT Silchar and Dibrugarh Universities in Assam have developed a multi-lingual smartphone application, AgSpeak, for farmers to manage their crops. The agri-tech start-up which is free for small farmers has been developed with the goal of optimising in-farm productivity through Artificial Intelligence (AI), a press release issued by IIT, Guwahati said.

The start-up has been co-founded by Siddhartha Bora (NIT Silchar alumnus), Manik Mittal (IIT Guwahati student), Akash Sharma (IIT Guwahati student), Nitin Chauhan (IIT Guwahati student), Dhritiman Talukdar (NIT Silchar alumnus), and Kookil Pran Goswami (Dibrugarh University alumnus).

This application will help the farmers in making decisions and managing farm activities by the click of a single button on their smartphone or computer. IIT Director Prof T G Sitharam said that it is a matter of immense pride that "our students are working to bring out a state-of-the-art tech-



AgSpeak considers up to 20 local crop parameters which are key indicators of their health like temperature, rainfall, sunlight hours, soil health status, among others, to alert farmers about probable crop threats in advance

nology for the farmers of our country".

'AgSpeak' is multilingual and has an option of Assamese and this feature is a first among all the agri-tech applications available in the market, the release said. The application considers up to 20 local

crop parameters which are key indicators of their health like temperature, rainfall, sunlight hours, soil health status, among others, to alert farmers about probable crop threats in advance and suggest best practices to tackle the problems, hence optimising the

resources used and maximising productivity. The app along with the Internet of Things (IoT) hardware has been tested for the past three months with 500 farmers and two tea estates and some of the major breakthroughs were precise prediction about blights in potatoes, tea mosquito bug along with water stress in winter crops which are a major concern for farmers and can cause major crop damages, if not controlled in time, the release said.

Nearly 250 farmers have already been provided hands on training in utilising the full potential of the app and its user friendliness and multilingual features make it extremely easy for farmers to use. Major commercial users of the product include commercial plantation farms like tea gardens, lemon orchards and grape vineyards.

AgSpeak is free for small farmers and there is a system for in-app purchases like soil testing and agri-doctor consultation. Besides, the IoT devices can be rented on monthly/yearly basis by commercial farms to further enhance precision farm management, the release said.

Date: 16th December 2020

Media: The Free press Journal (clip attached)

Edifion: Mumbai

Page No: 6

Journalist: NA

Headline: Virus Tidbits

VIRUS TIDBITS

- » Govt says cases, deaths declining in India; cautions against any laxity
- » Indian vax candidate from Genova Pharma Ltd will start human trials soon
- » 79 more Covid-19 cases from IIT-M, tally now 183
- » SC asks Centre to consider granting break to doctors engaged in COVID-19 duty
- » Vice Admiral Srikant dies of Covid-related complications
- » Telangana Minister tests +ve, state tally at 2.78 lakh
- » World's highest post office in Himachal hit by coronavirus

Date: 16th December 2020

Media: The Indian Express

Edition: Online

Journalist: Avaneesh Mishra

Headline: Ram Temple In Ayodhya: Experts' panel to review all, from design to construction

URL: <https://indianexpress.com/article/cities/lucknow/ram-mandir-ram-janmabhoomi-ayodhya-expert-committee-7105202/>

Ahead of the beginning of the construction work for a grand Ram temple in Ayodhya, the Shri Ram Janmabhoomi Teerth Kshetra Trust has formed an expert committee of eminent engineers, which will submit its report and recommendations to the Trust.

The construction work, which was earlier planned to start from October, was recently pushed to December 15.

The eight-member expert committee, which was formed on Sunday, is headed by former director of IIT-Delhi, VS Raju. Director of Central Building Research Institute (CBRI) in Roorkee, N GopalKrishnan, is its convener. Six other experts — NIT Surat Director SR Gandhi, IIT Guwahati Director TG Sitharam, Emeritus Professor at IIT Delhi B Bhattacharjee, TCE consultant AP Mull, Professor Manu Samthanam of IIT Madras and Professor Pradipta Banerji of IIT Mumbai — are its members.

The Trust said the committee would be provided with all the details and reports available with them as well as Larsen and Toubro (L&T) and Tata Consulting Engineers (TCE) regarding architectural and structural design, soil investigation report and pile test reports among others.

The L&T, which was given the contract to design and build the temple, had carried out soil investigation of the area through Cengrs Geotechnica Pvt Ltd.

The work of TCE, which is the project management consultant, includes review and certification of the foundation design proposed by the L&T. All the data and documents required by the TCE for design review have been provided to them by the L&T, a Trust member said.

According to a statement issued by the Trust, the committee has the mandate to have discussion and dialogue with the design team of the L&T, design review team of the TCE, CBRI-Roorkee and IIT-Madras, and seek details, data and documents in connection with their work.

The committee is expected to submit its report and recommendations to the Trust by December 15, after which the actual construction work at the Ram Janambhoomi will start.

Earlier in a tweet from its official account, the Trust confirmed that the temple construction committee, under the chairmanship of Nripendra Mishra, has constituted a sub-committee of eminent engineers "in the relevant field for review and recommendations on the foundation design for Ram Janmabhoomi Mandir in Ayodhya".

"The objective is to construct the temple with the highest quality and longevity taking into accounts the various geotechnical suggestions. The committee will study all suggestions and proposals and will come up with a detailed plan regarding construction," it added.

The committee will review soil investigation carried out by L&T, evaluate the possibility of liquefaction of soil under seismic hazards and suggests safeguard. It would also review precedents of similar structures constructed in the recent past in either India or abroad and whether the methodology would be appropriate for this temple, the Trust said.

The expert panel will also review the foundation system and the choice of the construction material proposed by the L&T.

"In addition, the committee will provide suggestions on construction methodology to be adopted to minimize thermal and shrinkage cracks. The committee will also be free to add any other relevant consideration for the objective and provide preferred alternatives," the Trust said.

It has been confirmed that on the basis of soil testing data and superstructure load details provided by the temple's chief architect, CB Sompura, the L&T finalised and submitted the foundation design comprising plain cement concrete raft resting on about 1,200 cement concrete piles and going 20 to 40 metres deep with around 1 metre in diameter. The L&T has got the design vetted from IIT-Chennai, NIT Surat and CBRI Roorkee. However, the foundation design is yet to be finalised.

Date: 16th December 2020

Media: MSN

Edition: Online

Journalist: Avaneesh Mishra

Headline: Ram Temple In Ayodhya: Experts' panel to review all, from design to construction

URL: <https://www.msn.com/en-in/news/newsindia/ram-temple-in-ayodhya-experts-panel-to-review-all-from-design-to-construction/ar-BB1bVZnQ>

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Date: 15th December 2020

Media: Lifeberrys

Edition: Online

Journalist: NA

Headline: राम मंदिर निर्माण में जुटे इंजीनियरों के सामने आई तकनीकी चुनौतियां, टेस्टिंग के दौरान खिसक गए पिलर (Technical challenges faced by engineers engaged in construction of Ram temple, Pilar slipped during testing)

URL: <http://hindi.lifeberrys.com/news/uttar-pradesh-ayodhya-ram-mandir-construction-challenge-soil-testing-159982.html>

अयोध्या में राम मंदिर निर्माण में जुटे इंजीनियरों के सामने तकनीकी चुनौतियां आ रही हैं। मंदिर निर्माण के लिए जब 200 फीट नीचे के मिट्टी की जांच की गई तो पता चला वहां की मिट्टी बलुआ है यानी सिर्फ पत्थरों से बनने वाले राममंदिर के भार को उठाने के लिए जिस तरह की मिट्टी की दरकार थी वो मिट्टी वहां नहीं मिल पा रही है। दरअसल पाइलिंग टेस्ट के दौरान पिलर थोड़ा खिसक गया था। पता चला कि इसकी वजह जमीन के नीचे सरयू नदी की परत मिलना है। राम जन्मभूमि मंदिर के निर्माण के लिए 12 सौ स्तंभों का निर्माण किया जाना है। इसके पहले टेस्टिंग के लिए 12 पिलर का निर्माण किया गया है। लेकिन टेस्टिंग के दौरान जब इस पर भार डाला गया तो कुछ पिलर जमीन के निचले हिस्से में खिसक से गए। टेस्टिंग का यह कार्य आईआईटी चेन्नई के विशेषज्ञों ने किया।

सरयू नदी राम जन्मभूमि के करीब से बहती थी

सरयू नदी के किनारे होने के कारण बुनियाद में मिल रही बालू के कारण मंदिर की मजबूती को लेकर सवाल पैदा हो रहे हैं। तकनीकी विशेषज्ञों का मानना है कि कभी इसके पास से सरयू नदी गुजरती रही होगी। गोस्वामी तुलसीदास ने जब रामचरित मानस की रचना की थी उस समय सरयू नदी राम जन्मभूमि के और करीब से बहती थी। इसीलिए यहां वाटर लेवल का स्टेटस भी और स्थानों के अपेक्षा ऊपर है। यही कारण है कि जमीन के नीचे रेत की परत है। जबकि तलाश मजबूत और ठोस जमीन की है।

रामजन्म भूमि पर पिछले एक महीने से ज्यादा से पाइलिंग की खुदाई कर मिट्टी की जांच का काम चल रहा है लेकिन जब मंदिर निर्माण में लगी कंपनी लॉर्सन एंड टूब्रो को मनमाफिक मिट्टी की परत नहीं मिली तो रामजन्मभूमि तीर्थ क्षेत्र ट्रस्ट के सामने दिक्कतें आईं।

अब मंदिर निर्माण समिति के अध्यक्ष नृपेंद्र मिश्र की अध्यक्षता में एक सब-कमिटी बनाई गई है जिसमें देश के नामी और प्रतिष्ठित तकनीकी विशेषज्ञ मंदिर की नींव फाउंडेशन को लेकर अपनी अनुशंसा देंगे। निर्माण एजेंसी के विशेषज्ञों और ट्रस्ट के सदस्यों के बीच 2 दिन के विचार-विमर्श के बाद तय हुआ कि अब तकनीकी सब-कमिटी की रिपोर्ट के बाद नए सिरे से मंदिर निर्माण के फाउंडेशन की शुरुआत होगी। अब विशेषज्ञों की नई रिसर्च रिपोर्ट जल्द आएगी। बताया जाता है कि इस रिपोर्ट पर मंथन के बाद ही अब राम मंदिर निर्माण का कार्य शुरू होगा।

1000 साल हो मंदिर की आयु

राम जन्मभूमि मंदिर का निर्माण ईट के बजाए पत्थर की तराशी गयी शिलाओं से होगा। निश्चित रूप से शिलाओं का वजन भी अधिक होगा। राम मंदिर निर्माण ट्रस्ट चाहता है कि राम जन्मभूमि पर बनने वाले श्री राम जन्मभूमि मंदिर की अवधि 1000 साल से कम ना हो। इसीलिए यह तय किया गया कि राम मंदिर की बुनियाद के पिलर में लोहे की सरिया का इस्तेमाल ना किया जाए, क्योंकि लोहे में जंग जल्दी लगता है।

बालू में किया जाएगा पिलर को बोर

विशेषज्ञों की सलाह के बाद यह तय हुआ है कि जिस तरह नदी में निर्माण के लिए पिलर को बोर किया जाता है उसी तरह राम मंदिर निर्माण के लिए भी अत्याधुनिक मशीनों के जरिए बुनियाद के पिलर को जमीन में बोर किया जाएगा। इसमें परीक्षण के बाद चुनी गई

पत्थर की गिट्टी और मोरंग के साथ उच्च क्षमता वाली सीमेंट में अलग से केमिकल का मिश्रण कर उसकी क्षमता बढ़ाई जाएगी और इसके बाद इन तीनों के मिश्रण को मशीन के जरिए पिलर के लिए खोदे गए गहरे होल में सांचे के माध्यम से डाला जाएगा जिससे सूखने के बाद वह पिलर शिला में तब्दील हो जाए।

Date: 16th December 2020

Media: Divya Himachal

Edition: Online

Journalist: NA

Headline: टेस्टिंग के दौरान खिसक गए स्तंभ, निर्माण में नई अड़चन, जमीन के नीचे बालू की परत ने पैदा की मुश्किल (Slipped pillar during testing, new bottleneck in construction, sand layer below ground created difficulty)

URL: <https://www.divyahimachal.com/2020/12/testing-ke-dauran-khisak-gae-stambh-nirman-mein-nae-adchan-jameen-ke-neeche-baloo-kee-parat-ne-paida-kee-mushkil/>

अयोध्या में राम मंदिर निर्माण में जुटे इंजीनियरों के सामने तकनीकी चुनौतियां आ रही हैं। मंदिर निर्माण के लिए जब 200 फीट नीचे के मिट्टी की जांच की गई तो पता चला वहां की मिट्टी बलुआ है यानी सिर्फ पत्थरों से बनने वाले राममंदिर के भार को उठाने के लिए जिस तरह की मिट्टी की दरकार थी वो मिट्टी वहां नहीं मिल पा रही है। दरअसल पाइलिंग टेस्ट के दौरान पिलर थोड़ा खिसक गया था। पता चला कि इसकी वजह जमीन के नीचे सरयू नदी की परत मिलना है। राम जन्मभूमि मंदिर के निर्माण के लिए 12 सौ स्तंभों का निर्माण किया जाना है। इसके पहले टेस्टिंग के लिए 12 पिलर का निर्माण किया गया है। लेकिन टेस्टिंग के दौरान जब इस पर भार डाला गया तो कुछ पिलर जमीन के निचले हिस्से में खिसक से गए। टेस्टिंग का यह कार्य आईआईटी चेन्नई के विशेषज्ञों ने किया।

सरयू नदी राम जन्मभूमि के करीब से बहती थी

सरयू नदी के किनारे होने के कारण बुनियाद में मिल रही बालू के कारण मंदिर की मजबूती को लेकर सवाल पैदा हो रहे हैं। तकनीकी विशेषज्ञों का मानना है कि कभी इसके पास से सरयू नदी गुजरती रही होगी। गोस्वामी तुलसीदास ने जब रामचरित मानस की रचना की थी उस समय सरयू नदी राम जन्मभूमि के और करीब से बहती थी। इसीलिए यहां वाटर लेवल का स्टेटस भी और स्थानों के अपेक्षा ऊपर है। यही कारण है कि जमीन के नीचे रेत की परत है। जबकि तलाश मजबूत और ठोस जमीन की है।

रामजन्म भूमि पर पिछले एक महीने से ज्यादा से पाइलिंग की खुदाई कर मिट्टी की जांच का काम चल रहा है लेकिन जब मंदिर निर्माण में लगी कंपनी लॉसन एंड टूब्रो को मनमाफिक मिट्टी की परत नहीं मिली तो रामजन्मभूमि तीर्थ क्षेत्र ट्रस्ट के सामने दिक्कतें आईं।

अब मंदिर निर्माण समिति के अध्यक्ष नृपेंद्र मिश्र की अध्यक्षता में एक सब-कमिटी बनाई गई है जिसमें देश के नामी और प्रतिष्ठित तकनीकी विशेषज्ञ मंदिर की नींव फाउंडेशन को लेकर अपनी अनुशंसा देंगे। निर्माण एजेंसी के विशेषज्ञों और ट्रस्ट के सदस्यों के बीच 2 दिन के विचार-विमर्श के बाद तय हुआ कि अब तकनीकी सब-कमिटी की रिपोर्ट के बाद नए सिरे से मंदिर निर्माण के फाउंडेशन की शुरुआत होगी। अब विशेषज्ञों की नई रिसर्च रिपोर्ट जल्द आएगी। बताया जाता है कि इस रिपोर्ट पर मंथन के बाद ही अब राम मंदिर निर्माण का कार्य शुरू होगा।

1000 साल हो मंदिर की आयु

राम जन्मभूमि मंदिर का निर्माण ईट के बजाए पत्थर की तराशी गयी शिलाओं से होगा। निश्चित रूप से शिलाओं का वजन भी अधिक होगा। राम मंदिर निर्माण ट्रस्ट चाहता है कि राम जन्मभूमि पर बनने वाले श्री राम जन्मभूमि मंदिर की अवधि 1000 साल से कम ना हो। इसीलिए यह तय किया गया कि राम मंदिर की बुनियाद के पिलर में लोहे की सरिया का इस्तेमाल ना किया जाए, क्योंकि लोहे में जंग जल्दी लगता है।

बालू में किया जाएगा पिलर को बोर

विशेषज्ञों की सलाह के बाद यह तय हुआ है कि जिस तरह नदी में निर्माण के लिए पिलर को बोर किया जाता है उसी तरह राम मंदिर निर्माण के लिए भी अत्याधुनिक मशीनों के जरिए बुनियाद के पिलर को जमीन में बोर किया जाएगा। इसमें परीक्षण के बाद चुनी गई

पत्थर की गिट्टी और मोरंग के साथ उच्च क्षमता वाली सीमेंट में अलग से केमिकल का मिश्रण कर उसकी क्षमता बढ़ाई जाएगी और इसके बाद इन तीनों के मिश्रण को मशीन के जरिए पिलर के लिए खोदे गए गहरे होल में सांचे के माध्यम से डाला जाएगा जिससे सूखने के बाद वह पिलर शिला में तब्दील हो जाए।

Date: 16th December 2020

Media: The Times of India

Edition: Online

Journalist: Jasjeev Gandhiok

Headline: Take Delhi Metro if you want to keep pollution exposure to minimum

URL: <https://timesofindia.indiatimes.com/city/delhi/take-delhi-metro-if-you-want-to-keep-pollution-exposure-to-minimum/articleshow/79749974.cms>

If you wish to reduce your exposure to polluted air, travelling by the Delhi Metro or an air-conditioned car may be your safest bet, a study analysing the inhalation and exposure of PM 2.5 in various modes of travel across the city has found. Exposure to PM 2.5 was highest in an autorickshaw. Track the pollution level in your city. The study, carried out by researchers from Northumbria University (Newcastle), IIT Madras, CSIR-NEERI and Central Road Research Institute (CRRRI) among others, recorded real-time data monitored through an 11-km long stretch from IIT Delhi to Connaught Place. It used a portable TSI SidePak Aerosol Monitor AM520 and collected the ambient air quality readings of the area as well as the possible exposure inside the vehicle. It found walking to be the most dangerous, with the highest respiratory deposition per kilometre occurring while walking, followed by a rickshaw ride. NEWS IN BRIEF EXPLORE BRIEFS. Drugs gang uses 'Covid duty' sticker, two arrested in Delhi. The Crime Branch on Saturday busted a syndicate transporting drugs in the guise of medical equipment in vehicles bearing "On Covid Duty" stickers. Two people have been arrested and contraband worth over Rs 3.5 crore seized. Police seized 950 kg of marijuana along with the vehicle used in the crime. The bust, cops claim, is the biggest seizure of cannabis in Delhi in last one year. Zydus Cadila gets DCGI nod to initiate Phase-3 clinical trials for Covid-19 vaccine. Drug firm Zydus Cadila on Sunday said it has received DCGI approval to initiate Phase III clinical trials of its Covid-19 vaccine ZyCoV-D. The company will now be initiating Phase III clinical trial in around 30,000 volunteers, Zydus Cadila said in a statement. ZyCoV-D was found to be safe, well-tolerated and immunogenic in phase I and II clinical trials, it added. The study states the highest PM 2.5 exposure was recorded through autorickshaws, which resulted in a mean PM 2.5 concentration of 266 g/m³ (± 159 g/m³), followed by walking 259 g/m³ (± 102 g/m³). The lowest readings were recorded in the Metro (72 ± 11 g/m³), followed by an air-conditioned car (89 ± 30 g/m³). Exposure was moderate in buses (113 ± 14 g/m³) and non-AC cars (149 ± 13 g/m³), however, open windows and local factors caused a surge in PM2.5 concentration for both these modes of transport, the study says. All readings were collected in February 2018. "Closed, air-conditioned transport modes were shown to be the best modes for avoiding high concentrations of PM2.5, however, other factors (e.g. time of the day, window open or closed in the vehicles) affected exposure levels significantly," said the study. Per kilometre, the study said, the highest respiratory deposition doses (RDDs) were highest for walking, followed by a rickshaw. While the RDD value for walking was estimated at 84.7 ± 33.4 g/km, it was 15.8 ± 9.5 g/km for rickshaw, followed by 9.7 ± 0.9 g/km for a non-AC car. "Different modes of transport were analysed during the winter period when pollution levels are at their peak and their impact on the respiratory system is much more. While closed environments are considered equally challenging, we found air-conditioned cars and the Delhi Metro to both be faring extremely well and the airconditioning here plays a key role in reducing the impact of PM 2.5, while also allowing ventilation," said Kamal Jyoti Maji, co-author and researcher at Northumbria University. The study noted slight route deviations were taken for rickshaw and buses. "The region from Prithviraj Road to Janpath Road is less populated and comprises key government offices and embassies. The area between Janpath Road to Connaught Place is mainly of government authorities' structures, small retail infrastructures with a large hotel. The final part of the route, Connaught Place, is a series of ring roads. It is surrounded by a central park and markets and is often congested due to large number of rickshaws and cars using the area," said the study. Maji says the PM 2.5 exposure during walking and rickshaws was also much higher than the ambient PM 2.5 concentration in the surrounding, which was around 146 ± 53 micrograms per cubic metre. Anil Namdeo, another coauthor, says the study aims to encourage the implementation of integrated and intelligent transport systems while also educating commuters on ways to reduce exposure levels. "The

impact on the health of a commuter and the exposure levels, especially during winters, can create both short-term and long-term problems," said Namdeo.

Date: 16th December 2020

Media: UNI

Edition: Online

Journalist: NA

Headline: Ram Mandir Nidhi Samarpan drive to start on Jan 15

URL: <http://www.uniindia.com/~ram-mandir-nidhi-samarpan-drive-to-start-on-jan-15/India/news/2265780.html>

'Shri Ram Mandir Nidhi Samarpan drive' will run from January 15 to February 27, Vice-President of Vishva Hindu Parishad (VHP) and Secretary General of Shri Ram Janmabhoomi Teerth Kshetra Trust, Champat Rai said here on Wednesday. 'The support of every Ram devotee from all over the country will be solicited for the grand temple, to be built on the birthplace of Bhagwan Sri Rama in Ayodhya. For this, the Karyakartas of VHP will go from door-to-door with the venerated saints and the rest of the people of society,' Mr Rai said. Announcing the decision at a press conference here, Mr Rai said that during this intensive and extensive campaign, which will start on Makar Sankranti (January 15) to Magh-Purnima (February 27), VHP Karyakartas will reach out to 110 million families of 400,000 villages of the country and propagate and flourish Ramatwa by connecting the common man directly with Shri Ram Janmabhoomi. With the support of people of every caste, creed, sect, region and language of the country, the Ram temple will actually take the form of a 'Rashtra Mandir' (Temple of the nation), he asserted. Addressing the press conference here, Mr Rai said that preparations were underway to construct the temple. Engineers from IIT Mumbai, IIT Delhi, IIT Chennai, IIT Guwahati, CBRI Roorkee, Larsen & Toubro and TATA's were working on the foundation drawing, he added. The foundation configuration and layout would be finalised soon. The whole temple would be of stone blocks. Each of the three floors would be 20 feet high, while the length and breadth of the temple would be 360 and 235 feet, respectively. Mr Rai said the temple would make the present and the future generations of the country aware about the historical truths. By going from door-to-door, at least half of the country's 1350 million people would be made aware of the historical truths of Shri Ram Janmabhoomi. 'From Kashmir to Kanyakunmari and Attock to Cuttack, we won't leave any corner of the country unvisited. The VHP Karyakartas (volunteers) will reach out to every nook and corner of the country, including the Rann of Kutch, Arunachal Pradesh, Nagaland, Andaman & Nicobar Islands and the mountainous, forest and desert regions of Bharat, to hand out Ram temple literature to people and seek their support.' 'People have a strong desire that Sri Ram's Nativity Temple should come up at his Janmabhoomi soon,' he added. According to Mr Rai, 'Millions of Karyakartas would take part in this historical campaign and the society would voluntarily cooperate and co-create because the work is of Bhagwan (God) and the temple is of Ram'. 'Funds cannot be a hindrance in the work of God. In order to maintain transparency in the financial dealings and transactions, the trust has printed coupons and receipts of denominations of Rs 10, Rs 100 and Rs 1000. The Karyakartas will issue coupons or receipts, according to what the society contributes. The picture of Bhagwan Sri Ram's temple will reach millions of homes.' he added. UNI NY RKM RJ 2208

Date: 16th December 2020

Media: Deccan Herald

Edition: Online

Journalist: NA

Headline: Vishva Hindu Parishad to conduct pan-India donation drive for Ram temple in 2021

URL: <https://www.deccanherald.com/national/vishva-hindu-parishad-to-conduct-pan-india-donation-drive-for-ram-temple-in-2021-928108.html>

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Date: 16th December 2020

Media: Zee News

Edition: Online

Journalist: NA

Headline: राम मंदिर निर्माण के लिए जन सहयोग की रणनीति बनाएगा संत समाज, 19 को काशी में जुटेंगे संत (Sant Samaj will make strategy of public cooperation for construction of Ram temple, saints will gather in Kashi on 19th)

URL: <https://zeenews.india.com/hindi/india/up-uttarakhand/sant-samaj-will-make-strategy-of-public-cooperation-for-ram-temple-sant-meeting-in-kashi-prant-on-19th-dec-dvup/807737>

अयोध्या में बनने रामलला के भव्य मंदिर के लिए जन सहयोग अभियान की शुरुआत 15 जनवरी से होगी. इसमें लोगों की सहभागिता सुनिश्चित करने की रणनीति बनाने के लिए 19 दिसंबर को विश्व हिंदू परिषद (विहिप) के काशी प्रांत के कार्यालय में संतों की बैठक होगी. इसके बाद 21 दिसंबर को काशी के बाबा बालक दास आश्रम में भी संत समाज की बैठक होगी. इससे पहले श्रीराम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महामंत्री चंपत राय ने इस बात की जानकारी दी थी कि राम भक्तों के स्वैच्छिक सहयोग से ही ट्रस्ट मंदिर का निर्माण करेगा. इसमें किसी तरह के सरकारी धन का उपयोग नहीं होगा.

विहिप के प्रांतीय संगठन मंत्री मुकेश कुमार ने बताया कि केसर भवन में संत सम्मेलन दोपहर 2 बजे से चार बजे तक होगा. संतों के माध्यम से हिंदू समाज के बीच और संघ विचार परिवार के कार्यकर्ताओं के द्वारा यह अभियान चलाएगा. संत सम्मेलन में प्रमुख रूप से स्वामी वासुदेवानंद, नरेंद्र गिरी, हरि चेतन ब्रह्मचारी, स्वामी गोपाल, राम रतन दास महाराज फलारी बाबा, रामानुजाचार्य, रामदास, ब्रह्म लोचन ब्रह्मचारी, लाल बाबा शिरकत करेंगे.

प्रयाग और काशी के प्रमुख संत होंगे शामिल
प्रयाग में होने वाले संत सम्मेलन में प्रयागराज, प्रतापगढ़, कौशांबी, सुल्तानपुर, अमेठी के प्रमुख संत शामिल होंगे. जबकि काशी में होने वाले संत सम्मेलन में काशी, जौनपुर, मिर्जापुर, गाजीपुर, सोनभद्र के प्रमुख संत होंगे. इसमें संत समाज के मार्गदर्शन में धन संग्रह अभियान चलाने की रूपरेखा तय की जाएगी. इन्हीं संतों के माध्यम से हिंदू समाज के बीच व संघ विचार परिवार के कार्यकर्ताओं की ओर से जन सहयोग अभियान चलाया जाएगा. इसमें शंकर विमान मंडपम, इस्कान मंदिर, रामकृष्ण मिशन, दिव्य ज्योति जागृति संस्थान, निंबार्क आश्रम, परमानंद आश्रम, योगदा सोसाइटी, विश्वशांति आश्रम, ओम नमः शिवाय, जय गुरुदेव, निरंकारी, वेणी माधव मंदिर, अय्यप्पा मंदिर, जूना, पंचायती, निरंजनी सहित सभी अखाड़ों सभी आश्रम के प्रमुख पूज्य संतों को आमंत्रित किया गया है.

कैसे कर सकते हैं दान?
जनसंपर्क के दौरान लाखों कार्यकर्ता गांव-गांव और मोहल्लों में जाएंगे. इस दौरान समाज स्वेच्छा से कुछ न कुछ सहयोग करेगा और उसी समर्पण को कार्यकर्ता स्वीकार करेंगे. आर्थिक पारदर्शिता बनाए रखने के लिए ट्रस्ट की ओर से 10 रुपये, 100 रुपये, 1000 रुपये के कूपन व रसीदें छापी गई हैं. जो जितना दान करेगा, उसी के अनुरूप कूपन या रसीद उन्हें दी जाएगी.

मकर संक्रांति से शुरू होगा जनसंपर्क अभियान
धन एकत्रित करने के लिए जनसंपर्क का कार्य विश्व हिंदू परिषद के सहयोग से मकर संक्रांति से शुरू होगा और माघ पूर्णिमा तक चलेगा. श्रीराम मंदिर तीर्थ क्षेत्र ट्रस्ट के महामंत्री चंपत राय के मुताबिक कि देश का कोई कोना नहीं छूटेगा. अरुणाचल प्रदेश, नागालैंड, अंडमान निकोबार, कच्छ के रण से लेकर त्रिपुरा तक कार्यकर्ता पहुंचेंगे और राम भक्तों से मुलाकात करेंगे.

जल्द सामने होगा नींव का प्रारूप
संपूर्ण मंदिर पत्थरों का बनेगा ताकि अगले 1000 वर्षों तक सुरक्षित रहे. आईआईटी मुंबई, आईआईटी दिल्ली, आईआईटी चेन्नई तथा आईआईटी गुवाहाटी, सीबीआरआई रुड़की, लार्सन टुब्रो और टाटा के इंजीनियर्स नींव की ड्राइंग पर आपस में परामर्श कर रहे हैं. मंदिर

की प्रत्येक मंजिल की उंचाई 20 फीट, लंबाई 360 फीट तथा चौड़ाई 235 फीट होगी. बताया जा रहा है कि मंदिर का फर्श धरातल से 16.5 फीट ऊंचा होगा.

Date: 16th December 2020

Media: The Sentinel

Edition: Online

Journalist: NA

Headline: Union Ministry of Education demands to scrap quota for faculty recruitment in IITs

URL: <https://www.sentinelassam.com/national-news/union-ministry-of-education-demands-to-scrap-quota-for-faculty-recruitment-in-iits-516585>

A committee constituted by the Union Ministry of Education (MoE) to suggest measures for effective implementation of reservation policies in Indian Institute of Technology (IIT) has recommended that these institutions must exempt from following the reservation policies in faculty recruitment. The committee had come to such a conclusion primarily on arguments claiming the need for Indian Institute of Technology (IITs) to maintain their academic excellence and the lack of candidates from the reserved categories who fulfil the qualification criteria. Also Read - Hotel ITC Grand Chola in Chennai turns Covid cluster, 85 test Positive The committee had suggested that Indian Institute of Technology (IITs) be included in the list of Institutes of Excellence that are exempted from reservation policies under the Central Educational Institutes (Reservation in Teachers' Cadre) Act (CEI Act) of 2019. Currently, eight institutions including the Homi Bhabha National Institute and its constituent units, Tata Institute of Fundamental Research, Space Physics Laboratory and Indian Institute of Remote Sensing are part of this exempted list. Also Read - 8 civilians injured in grenade attack in J&K's Pulwama A committee member had said in a statement, "Being established and recognised as institutions of national importance under an Act of Parliament, IITs have ought to be listed under the Schedule to the above CEI Act, 2019 for exemption from reservations." To address the diversity issues, the recommendations also argue a "system emphasising targeted goals over a period of time" and not "specific quotas" be followed so that IITs can "compete with other top institutions in the world in terms of excellence, output, research and teaching." Also Read - Mumbai NCB busts inter-State drug network in New Year The Committee was constituted in April 2020 with the Director of IIT Delhi, V. Ramgopal Rao, the Chairperson and the Director off IIT Kanpur, Registrars of IIT Bombay and IIT Madras and representatives from Ministry of Social Justice and Empowerment (MoSJE), Ministry of Tribal Affairs, Department of Personnel and Training and Department of Persons with Disabilities as members. It was asked to suggest some measures on effective implementation of reservation policies not only in recruitment, but also for admissions. The committee had met twice in May and had submitted its report on June 17,2020. Also Read - Does India have the doses to fulfil Phase-1 COVID vaccine goals? The report had mentioned that the expectation from IITs is very high due to their quality and standards of education.

Date: 16th December 2020

Media: Jansatta

Edition: Online

Journalist: NA

Headline: IITs में नहीं लागू होगा आरक्षण? 8 सदस्यों वाली समिति ने शिक्षा विभाग को सौंपी रिपोर्ट में की सिफारिश, जानें अभी किन बड़े संस्थानों में मिल रहा फायदा (Will reservation not apply in IITs? 8-member committee recommended in report submitted to education department, know which major institutions are getting benefit now)

URL: <https://www.jansatta.com/education/will-reservation-not-apply-in-iits-8-member-committee-recommended-in-report-submitted-to-education-department-know-which-major-institutions-are-getting-benefit-now/1593195/>

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Date: 17th December 2020

Media: India TV

Edition: Online

Journalist: Abhinav Ranjan

Headline: Vishwa Hindu Parishad to launch crowd funding drive for Ayodhya Ram Mandir from Makar Sankranti

URL: <https://www.indiatvnews.com/news/india/ayodhya-ram-mandir-construction-update-vhp-crowd-funding-672113>

The Vishwa Hindu Parishad (VHP) has announced that it will launch a mega public outreach programme to crowd-fund the grand Ram Mandir in Ayodhya. According to its leader Champat Rai, VHP cadres will fan out across the country to collect funds from as many as 10 crore people in four lakh villages.

The drive will begin from Makar Sankranti (January 15) and conclude on February 27 on the occasion of Magh Purnima and birth anniversary of Sant Ravidas.

Rai, also the general secretary of the Shri Ram Janmbhumi Teerth Kshetra, said that volunteers will go from door-to-door with saints to seek their participation.

"In this intensive and extensive campaign from the upcoming Makar Sankranti to Magh Purnima, VHP karyakartas will reach out to 110 million families of 400,000 villages of the country and propagate and flourish Ramatwa by connecting the common man directly with Shri Ram Janmabhoomi," he said.

"With the support of people of every caste, creed, sect, region and language of the country, the Ram temple will actually take the form of a Rashtra Mandir (Temple of the nation)," he added.

Rai also called upon every Rama bhakt (devotee) to come forward enthusiastically and proactively for this "Ram-Kaaj" (cause). "For this, we need not only funds-contributors but also time- contributors," he said.

"From Kashmir to Kanyakumari and Attock to Cuttack, we won't leave any corner of the country unvisited. The VHP volunteers will reach out to every nook and corner of the country, including the Rann of Kutch, Arunachal Pradesh, Nagaland, Andaman & Nicobar Islands and the mountainous, forest and desert regions of Bharat, to hand out Ram temple literature to people and seek their support. People have a strong desire that Sri Ram's Nativity Temple should come up at his Janmabhoomi soon," he said.

Rai said that preparations are underway to construct the temple. He said that engineers from IIT Mumbai, IIT Delhi, IIT Chennai, IIT Guwahati, CBRI Roorkee, Larsen & Toubro and Tata Group are working on the foundation drawing. The foundation configuration and layout will very soon come out.

The whole temple will be of stone blocks, he said, adding that each of the three floors will be 20 feet high, the length and breadth of the temple will be 360 and 235 feet, respectively.

The cadres will be given coupons for Rs 10, Rs 100 and Rs 1,000 for the crowd funding drive. They will issue coupons or receipts according to what the public contribute. Also, picture of the proposed Ram temple will be distributed among people.

Date: 17th December 2020

Media: Central Chronicle

Edition: Online

Journalist: NA

Headline: Ram Mandir Nidhi Samarpan drive to start on Jan 15

URL: <https://centralchronicle.com/posts/Ram-Mandir-Nidhi-Samarpan-drive-to-start-on-Jan-15>

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Date: 18th December 2020

Media: The Times of India (Clip attached)

Edition: Hyderabad

Page No: 9

Journalist: NA

Headline: Make faculty appointments in IITs quota-exempt: Panel

URL: <https://timesofindia.indiatimes.com/india/make-faculty-appointments-in-iits-quota-exempt-panel/articleshow/79787786.cms>

Make faculty appointments in IITs quota-exempt: Panel

TIMES NEWS NETWORK

New Delhi: The Indian Institutes of Technology (IITs) should be exempt from reservations in faculty positions as these are "institutes of national importance and involved in research" and the power of appointment should be vested with their Board of Governors, an eight-member panel, set up by the ministry of education, said in its report.

The panel stated that rather than specific quotas, diversity issues should be addressed through outreach campaigns and targeted recruitment of faculty in IITs. There are 23 IITs.

The report, submitted in June and accessed by TOI, said, "Being established and recognised as institutions of national importance under an Act of Parliament, IITs ought to be listed under (Clause 4) of the CEI (Reservation in Teacher's Cadre) Act 2019, for exemption from reservations. This must be immediately reconsidered for inclusion of IITs in the Schedule taking into account the nature of these institutions, duties and their activities. The matter of reservations in these institutions may be vested with their respective Board of Governors as per the Board resolutions, statutes and bye-laws."

According to the Clause 4 of the CEI Act, institutions of excellence, research institutions and institutions of national and strategic im-

portance are exempt from granting caste-based reservations in faculty appointments.

At present, eight institutions are listed under the Clause — Tata Institute of Fundamental Research in Mumbai, National Brain Research Centre in Gurgaon, North-Eastern Indira Gandhi Regional Institute of Health and Medical Science in Shillong, Jawaharlal Nehru Centre for Advanced Scientific Research in Bengaluru, Physical Research Laboratory in Ahmedabad, Space Physics Laboratory in Thiruvananthapuram, Indian Institute of Remote Sensing in Dehradun and Homi Bhabha National Institute and all its 10 constituent units in Mumbai.

The panel was constituted in April with Director of IIT Delhi, V Ramgopal Rao, as its chairperson and director of IIT Kanpur, registrars of IIT Bombay and IIT Madras, and representatives from ministries of social justice and empowerment and tribal affairs besides the departments of personnel and training and persons with disabilities as members.

The panel also noted that expectations from the faculty members of IITs are very high. "The faculty being recruited at IITs are candidates with a minimum of PhD degree with superior academic record and high research accomplishments," the report said.

Full report on www.toi.in

Date: 18th December 2020

Media: The Pioneer (Clip attached)

Edition: Hyderabad

Page No: 1,2

Journalist: NA

Headline: 'Exempt IITs from reservation in faculty selection'

'Exempt IITs from reservation in faculty selection'

PNS ■ NEW DELHI

The Indian Institutes of Technology (IITs) should be exempted from reservations in faculty appointments and rather than specific quotas, diversity issues should be addressed through outreach campaigns and targeted recruitment of faculty, a Ministry of Education (MoE) panel has recommended.

The eight-member committee comprising IIT directors was asked to suggest measures on effective implementation of reservation policies not only in recruitment, but also for

The panel said that the IITs should be exempted from reservations because they were 'institutes of national importance and are involved in research'.

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recognised as institutions of national importance under an Act of Parliament, IITs have ought to be listed under (clause

4) of the CEI (Reservation in Teacher's Cadre) Act 2019, for exemption from reservations. This must be immediately reconsidered for inclusion of IITs in the Schedule taking into account the nature of these institutions, duties and their activities," the report sought through RTI by a Lucknow based activist said.

"In order to compete with other top institutions in the world in terms of excellence, output, research and teaching, a system emphasising targeted goals over a period of time,



Date: 18th December 2020

Media: Times Now News

Edition: Online

Journalist: NA

Headline: Exempt IITs from reservation in faculty recruitment: Expert panel

URL: <https://www.timesnownews.com/education/article/exempt-iits-from-reservation-in-faculty-recruitment-expert-panel/696047>

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"In order to compete with other top institutions in the world in terms of excellence, output, research and teaching, a system emphasising targeted goals over a period of time, rather than specific quotas, to address diversity issues through outreach campaigns," it added.

According to clause 4 of the Central Educational Institutions (CEI) Act, institutions of excellence, research institutions and institutions of national and strategic importance are exempted from granting caste-based reservation in faculty hiring.

At present, eight institutions are listed under the clause ? the Tata Institute of Fundamental Research in Mumbai, National Brain Research Centre in Gurgaon, North-Eastern Indira Gandhi Regional Institute of Health and Medical Science in Shillong, Jawaharlal Nehru Centre for Advanced Scientific Research in Bengaluru, Physical Research Laboratory in Ahmedabad, Space Physics Laboratory in Thiruvananthapuram, Indian Institute of Remote Sensing in Dehradun and Homi Bhabha National Institute and all its 10 constituent units in Mumbai.

There are 23 IITs in the country.

The committee was constituted in April this year with director of IIT-Delhi, V Ramgopal Rao, as its chairperson and the director of IIT Kanpur, registrars of IIT-Bombay and IIT-Madras, and representatives from Ministry of Social Justice and Empowerment (MoSJE), Ministry of Tribal Affairs, Department of Personnel and Training and Department of Persons with Disabilities as members. The committee, which met twice in May and submitted its report on June 17, 2020, also noted that the expectations on the faculty from IITs were very high due to the quality and standards of education.

"The faculty being recruited at IITs are candidates with minimum of PhD degree with superior academic record and with high research accomplishments," the report said.

"The enrolment of reserved category students in the PhD programme is low and needs to be addressed? This is severely limiting the number of reserved category candidates available to be hired as faculty in the IIT system," it added.

The committee also suggested offering a two-year Research Assistantship for students from reserved categories aspiring to join PhD programmes.

"However, the subsequent selection of these students to regular Ph.D programmes will be only based on 'merit' and there shall be no obligation on IITs to admit them," it said. According to student group Ambedkar Periyar Phule Study Circle (APPSC), the report should have been made public for feedbacks and suggestions.

"Instead of highlighting wrongs in the existing selection process and recommending ways to correct those, the committee carries their casteist ignorance and leaves the blame on candidates from reserved categories for not being qualified enough," it said in a statement.

"There exists sufficient data to suggest that the lack of qualified candidates from the reserved categories was never a reason for their lack of admissions in PhD programmes at the IITs," the APPSC said.

"It is the cut-off mark that is used to deny entry to eligible SC/ST/OBC students in campuses like IITs for years. The report should be kept in public domain for feedbacks and suggestions," it added.

Date: 18th December 2020

Media: Amar Ujala

Edition: Online

Journalist: NA

Headline: विशेषज्ञ समिति का सुझाव, शिक्षक भर्ती में आरक्षण से आईआईटी को छूट दी जाए (Expert committee's suggestion, IITs should be exempted from reservation in teacher recruitment)

URL: https://www.amarujala.com/india-news/iits-should-be-exempted-from-reservation-in-faculty-appointments-says-expert-panel?utm_campaign=whatsapp_edition&utm_source=pdf&utm_medium=whatsapp

शिक्षा मंत्रालय से जुड़ी विशेषज्ञ समिति ने सुझाव दिया है कि भारतीय प्रौद्योगिकी संस्थान (आईआईटी) को शिक्षकों की नियुक्ति में आरक्षण से छूट दी जाए और विशिष्ट कोटा की बजाए विभिन्न मुद्दों का समाधान सम्पर्क अभियान और शिक्षकों की लक्षित भर्ती के जरिये किया जाए ।

आईआईटी के निदेशकों सहित आठ सदस्यीय समिति से भर्ती और दाखिले में आरक्षण नीति को प्रभावी ढंग से लागू करने के उपाए सुझाने को कहा गया था ।

जून में सरकार को सौंपी रिपोर्ट में समिति ने कहा कि आईआईटी को आरक्षण से छूट दी जाए क्योंकि ये राष्ट्रीय महत्व के संस्थान हैं और इससे अनुसंधान का कार्य जुड़ा है ।

इसमें कहा गया है कि संसद से कानून के रूप में राष्ट्रीय महत्व के संस्थान के रूप में आरक्षण से छूट के लिये आईआईटी को सीईआई (शिक्षक कैडर में आरक्षण) अधिनियम 2019 के तहत उपबंध 4 के तहत सूचीबद्ध किया जाए। उक्त रिपोर्ट सूचना के अधिकार के तहत लखनऊ स्थित एक कार्यकर्ता ने मांगी थी ।

Date: 18th December 2020

Media: Hindustan

Edition: Online

Journalist: Anuradha Pandey

Headline: शिक्षक भर्ती में आरक्षण से IIT को छूट दी जाए : विशेषज्ञ समिति का सुझाव (IIT should be exempted from reservation in teacher recruitment: expert committee suggestion)

URL: <https://www.livehindustan.com/career/story-iit-should-be-exempted-from-reservation-in-teacher-recruitment-expert-committee-suggestion-3690391.html>

शिक्षा मंत्रालय से जुड़ी विशेषज्ञ समिति ने सुझाव दिया है कि भारतीय प्रौद्योगिकी संस्थान (आईआईटी) को शिक्षकों की नियुक्ति में आरक्षण से छूट दी जाए और विशिष्ट कोटा की बजाए विभिन्न मुद्दों का समाधान सम्पर्क अभियान और शिक्षकों की लक्षित भर्ती के जरिये किया जाए।

आईआईटी के निदेशकों सहित आठ सदस्यीय समिति से भर्ती और दाखिले में आरक्षण नीति को प्रभावी ढंग से लागू करने के उपाए सुझाने को कहा गया था।

जून में सरकार को सौंपी रिपोर्ट में समिति ने कहा कि आईआईटी को आरक्षण से छूट दी जाए क्योंकि ये राष्ट्रीय महत्व के संस्थान हैं और इससे अनुसंधान का कार्य जुड़ा है।

इसमें कहा गया है कि संसद से कानून के रूप में राष्ट्रीय महत्व के संस्थान के रूप में आरक्षण से छूट के लिये आईआईटी को सीईआई (शिक्षक कैडर में आरक्षण) अधिनियम 2019 के तहत उपबंध 4 के तहत सूचीबद्ध किया जाए। उक्त रिपोर्ट सूचना के अधिकार के तहत लखनऊ स्थित एक कार्यकर्ता ने मांगी थी।

Date: 18th December 2020

Media: Lokmat News

Edition: Online

Journalist: NA

Headline: राम मंदिर निर्माण के लिए मकर संक्रांति से शुरू होगा संपर्क अभियान: चंपत राय (Contact campaign for construction of Ram temple will begin from Makar Sankranti: Champat Rai)

URL: <https://www.lokmatnews.in/india/contact-campaign-for-construction-of-ram-temple-will-begin-from-makar-sankranti-champat-rai-b421/>

विश्व हिंदू परिषद के केंद्रीय उपाध्यक्ष एवं श्रीराम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महासचिव चंपत राय ने शुक्रवार को कहा कि अयोध्या में राम मंदिर का निर्माण समाज के सहयोग से साकार होगा और मंदिर निर्माण से लोगों को स्वेच्छा से जुड़ने का अभियान मकर संक्रांति से शुरू होकर माघ पूर्णिमा तक पूरा होगा। चंपत राय ने यहां पत्रकारों से बातचीत करते हुए कहा कि इस अभियान में चार लाख कार्यकर्ता शामिल होंगे जिनकी एक लाख से ज्यादा टोलियाँ होंगी। राय ने कहा कि अभियान में 12 करोड़ परिवारों से संपर्क किया जाएगा जिसमें साधु संत भी भाग लेंगे। राय ने बताया, "तीन वर्ष में मंदिर निर्माण पूरा कर लिया जाएगा। मंदिर के वास्तु का दायित्व अहमदाबाद के चंद्रकान्त सोमपुरा को दिया गया है, जबकि 'लार्सन एंड टुब्रो' कम्पनी को मंदिर निर्माण का कार्य दिया गया है और निर्माता कंपनी के सलाहकार के रूप में ट्रस्ट ने 'टाटा कंसल्टेंट इंजीनियर्स' को चुना है।" राय ने कहा कि जमीन के नीचे 200 फुट तक भुरभुरी बालू पायी गयी है और गर्भगृह के पश्चिम में कुछ दूरी पर ही सरयू नदी का प्रवाह है। इस भौगोलिक परिस्थिति में 1000 वर्ष की आयु वाले पत्थरों के मन्दिर का भार सहन कर सकने वाली मज़बूत नींव के संबंध में आईआईटी बंबई, आईआईटी दिल्ली, आईआईटी चेन्नई, आईआईटी गुवाहाटी, केंद्रीय भवन अनुसंधान संस्थान, रुड़की, लार्सन टुब्रो व टाटा कंपनी के इंजीनियर आपस में परामर्श कर रहे हैं। उन्होंने कहा कि जनसंपर्क में लाखों कार्यकर्ता गाँव और मोहल्लों में जाएँगे। उन्होंने बताया कि कि पारदर्शिता बनाए रखने के लिए ट्रस्ट ने दस रुपये, सौ रुपये, एक हजार रुपये के कूपन व रसीदें छापी हैं।

Date: 18th December 2020

Media: The week

Edition: Online

Journalist: NA

Headline: Ayodhya temple to be 360 feet tall: Ram Mandir trust

URL: <https://www.theweek.in/news/india/2020/12/18/ayodhya-temple-to-be-360-feet-tall-ram-mandir-trust.html>

The proposed Lord Ram temple in Ayodhya would be about 360 feet tall, said Sri Ram Janmabhoomi Teerth Kshetra Trust general secretary Champat Rai in Lucknow on Friday. The width of the structure will be 235 feet while the shikhar (spire) will measure 161 feet.

Rai said the load testing of the mandir construction site has failed, adding that that "many scientists" from the Indian Institutes of Technology were researching the issue.

The temple will be surrounded by a security wall spanning five acres. A total of four lakh cubic feet of stone will be used in the construction of the temple that will not make any use of any iron.

The process of the cleaning of the stones—a pink sandstone variety brought from Bansi Paharpur in Rajasthan—is currently underway.

Date: 18th December 2020

Media: The Pioneer

Edition: Online

Journalist: NA

Headline: VHP workers to collect donations for Ram temple construction

URL: <https://www.dailypioneer.com/2020/state-editions/vhp-workers-to-collect--donations-for-ram--temple-construction.html>

Vishwa Hindu Parishad (VHP) workers will go from door to door from January 15 to collect donations for the construction of Ram temple in Ayodhya.

This was stated by VHP vice-president and secretary general of Shri Ram Janmabhoomi Teerth Kshetra Trust, Champat Rai, in Lucknow on Friday.

Announcing the launch of Shri Ram Janmabhoomi Mandir Nidhi Samarpan Abhiyan, Rai said the campaign would start from Makar Sankranti (January 15, 2021) and continue up to Magh-Purnima (February 27) when VHP workers would reach out to 110 million families of 4,00,000 villages of the country to seek donation for the Ram temple, linking the common man with Shri Ram Janmabhoomi. "The VHP workers would issue coupons or receipts with the picture of Lord Ram's temple," he said. "With public support from every caste, creed, sect, region and language of the country, the Ram temple would actually take the form of a Rashtra Mandir (Temple of the Nation)," he said.

Addressing press persons, Rai said that the Hindu society struggled for five centuries to protect the country's honour by reclaiming the birthplace of Lord Ram.

"Finally, the Supreme Court accepted the sentiments of the society and directed the government to form a trust," he said.

On undergoing preparations for the temple, Rai said that engineers from IIT-Mumbai, IIT-Delhi, IIT-Chennai, IIT-Guwahati, CBRI Roorkee, Larsen & Toubro and Tatas were working on the foundation drawing which would soon come out.

The three-storeyed temple will be made of stone blocks and each floor will be 20 feet high while the length and breadth of the temple will be 360 feet and 235 feet, respectively.

Date: 18th December 2020
Media: Punjab Kesari
Edition: Online
Journalist: NA

Headline: राम मंदिर निर्माण के लिए मकर संक्रांति से शुरू होगा संपर्क अभियान: चंपत राय (Contact campaign for construction of Ram temple will begin from Makar Sankranti: Champat Rai)

URL: <https://m.up.punjabkesari.in/uttar-pradesh/news/pti-uttar-pradesh-story-1297527>

श्रीराम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महासचिव चंपत राय ने शुक्रवार को कहा कि अयोध्या में राम मंदिर का निर्माण समाज के सहयोग से साकार होगा और मंदिर निर्माण से लोगों को स्वेच्छा से जुड़ने का अभियान मकर संक्रांति से शुरू होकर माघ पूर्णिमा तक पूरा होगा।

चंपत राय ने यहां पत्रकारों से बातचीत करते हुए कहा कि इस अभियान में चार लाख कार्यकर्ता शामिल होंगे जिनकी एक लाख से ज्यादा टोलियाँ होंगी। राय ने कहा कि अभियान में 12 करोड़ परिवारों से संपर्क किया जाएगा जिसमें साधु संत भी भाग लेंगे।

उन्होंने बताया कि मुंबई से शिवसेना ने एक करोड़ रुपये भेजे हैं जबकि उत्तर प्रदेश के मुख्यमंत्री योगी आदित्यनाथ ने निजी रूप से 11 लाख रुपये दिये हैं।

राय ने बताया, "तीन वर्ष में मंदिर निर्माण पूरा कर लिया जाएगा। मंदिर के वास्तु का दायित्व अहमदाबाद के चंद्रकान्त सोमपुरा को दिया गया है, जबकि 'लार्सन एंड टुब्रो' कम्पनी को मंदिर निर्माण का कार्य दिया गया है और निर्माता कंपनी के सलाहकार के रूप में ट्रस्ट ने 'टाटा कंसल्टेंट इंजीनियर्स' को चुना है।"

राय ने कहा कि जमीन के नीचे 200 फुट तक भुरभुरी बालू पायी गयी है और गर्भगृह के पश्चिम में कुछ दूरी पर ही सरयू नदी का प्रवाह है। इस भौगोलिक परिस्थिति में 1000 वर्ष की आयु वाले पत्थरों के मन्दिर का भार सहन कर सकने वाली मज़बूत नींव के संबंध में आईआईटी बंबई, आईआईटी दिल्ली, आईआईटी चेन्नई, आईआईटी गुवाहाटी, केंद्रीय भवन अनुसंधान संस्थान, रुड़की, लार्सन टुब्रो व टाटा कंपनी के इंजीनियर आपस में परामर्श कर रहे हैं।

उन्होंने कहा कि जनसंपर्क में लाखों कार्यकर्ता गाँव और मोहल्लों में जाएँगे। उन्होंने बताया कि कि पारदर्शिता बनाए रखने के लिए ट्रस्ट ने दस रुपये, सौ रुपये, एक हजार रुपये के कूपन व रसीदें छापी हैं।

Date: 18th December 2020

Media: Navbharat Times

Edition: Online

Journalist: NA

Headline: राम मंदिर निर्माण के लिए मकर संक्रांति से शुरू होगा संपर्क अभियान: चंपत राय (Contact campaign for construction of Ram temple will begin from Makar Sankranti: Champat Rai)

URL: <https://navbharattimes.indiatimes.com/metro/lucknow/other-news/contact-campaign-for-makar-sankranti-to-start-ram-temple/articleshow/79795738.cms>

श्रीराम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महासचिव चंपत राय ने शुक्रवार को कहा कि अयोध्या में राम मंदिर का निर्माण समाज के सहयोग से साकार होगा और मंदिर निर्माण से लोगों को स्वेच्छा से जुड़ने का अभियान मकर संक्रांति से शुरू होकर माघ पूर्णिमा तक पूरा होगा।

चंपत राय ने यहां पत्रकारों से बातचीत करते हुए कहा कि इस अभियान में चार लाख कार्यकर्ता शामिल होंगे जिनकी एक लाख से ज्यादा टोलियाँ होंगी। राय ने कहा कि अभियान में 12 करोड़ परिवारों से संपर्क किया जाएगा जिसमें साधु संत भी भाग लेंगे।

उन्होंने बताया कि मुंबई से शिवसेना ने एक करोड़ रुपये भेजे हैं जबकि उत्तर प्रदेश के मुख्यमंत्री योगी आदित्यनाथ ने निजी रूप से 11 लाख रुपये दिये हैं।

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राय ने कहा कि जमीन के नीचे 200 फुट तक भुरभुरी बालू पायी गयी है और गर्भगृह के पश्चिम में कुछ दूरी पर ही सरयू नदी का प्रवाह है। इस भौगोलिक परिस्थिति में 1000 वर्ष की आयु वाले पत्थरों के मन्दिर का भार सहन कर सकने वाली मज़बूत नींव के संबंध में आईआईटी बंबई, आईआईटी दिल्ली, आईआईटी चेन्नई, आईआईटी गुवाहाटी, केंद्रीय भवन अनुसंधान संस्थान, रुड़की, लार्सन टुब्रो व टाटा कंपनी के इंजीनियर आपस में परामर्श कर रहे हैं।

उन्होंने कहा कि जनसंपर्क में लाखों कार्यकर्ता गाँव और मोहल्लों में जाएँगे। उन्होंने बताया कि कि पारदर्शिता बनाए रखने के लिए ट्रस्ट ने दस रुपये, सौ रुपये, एक हजार रुपये के कूपन व रसीदें छापी हैं।

Date: 19th December 2020

Media: Business Standard (Clip attached)

Edition: Ahmedabad / Bangalore / Hyderabad / Kolkata / Mumbai / New Delhi

Page No: 7

Journalist: Samreen Ahmad

Alumni: Sudheer Koneru

Headline: The uber-stylist

URL: https://www.business-standard.com/article/companies/zenoti-hopes-to-redefine-wellness-grooming-industry-to-make-it-uber-like-120121801353_1.html

The uber-stylist

India's newest SaaS-based unicorn Zenoti hopes to redefine the wellness and grooming industry to make it Uber-like

SAMREEN AHMAD
Bangalore, 18 December

The pandemic has seen several start-ups born in India hitting the golden \$1-billion valuation mark. After Unacademy, Razorpay and Cars24, the latest India-born start-up to join the unicorn club is Zenoti, which eventually shifted base to the US in order to go global.

Born out of a small Hyderabad office in 2010 with business spread across the US, the UK, Australia and West Asia, Zenoti is the newest SaaS (Software as a Service) success story coming out of India, joining the likes of Freshworks, Icortis, Driva and Zoho.

It has been built by former Microsoft executive Sudheer Koneru, who took a break from work and was not really looking to build a start-up initially. Today, Zenoti has digitised some of the top salons such as Lakme, Enrich and Gostanjali via its software, and has attracted attention from some of the top PE/VC firms such as Accel, Tiger Global and, recently, Advent Technologies.

In fact, the firm VC cheque that



was written to Zenoti in 2014 by Accel Partners was the result of an experience linked to an Enrich salon, Abhinav Chaturvedi, then a young associate at Accel, had gone for a haircut at an Enrich salon in Jayanagar in Bengaluru. The smooth check-out experience, thanks to the software they were using, got him curious. The software turned out to be ManageMySpa, later renamed Zenoti.

Koneru has been something of an enthusiast of personal wellness as a business proposition. After quitting his first venture, IntelliPeep,

which later became SumTotal, an HR management software system, he invested in a wellness chain called LatitudePro when he realised that the segment did not have a software to run its operations and everything was nix school. He saw this as an opportunity and with his experience in building software for Microsoft, built one for the space in two years.

"When people come out of a wellness centre, they feel confident. These are some of the businesses where you let people enter your personal space and come out feeling

good. I am not someone who could run a brick-and-mortar business, so the next thing I thought was to take care of all their work so they can take care of their craft and make people feel good," said Koneru, an IIT Madras alumna.

The Tiger Global and Accel-backed company recently raised \$160 million led by private equity firm Advent International, through Advent Tech and affiliate Sunley House Capital, at a valuation of over \$1 billion.

With this capital, the company is broadening its ambitions. Earlier it managed customers' appointments, front desk, payroll, inventory and marketing for its clients. It is now trying to redefine the industry and make it more Uber-like.

Soon, if a customer enters a Zenoti-powered salon, the person will be charged for the service, pay a tip and rate the stylist without reaching the front desk. Koneru said there are certain things that people still decide at such centres, such as employee scheduling and inventory. The company is now investing in an AI-based algorithm that will help with these decisions, including price surge for different services during different times of the day.

"Drivers who use Uber trust the platform to do everything and they just focus on the ride. The same way we want people to focus on their craft and leave the rest to us," he said.

Calling the Indian start-up ecosystem a vibrant one,

Koneru believes the way India used to be an outsourcing hub a while ago, it is now moving to a stage where all business software will originate from the country.

In that case, why did he shift base to the US after starting out in India? "Of the total global opportunity in software sales, the US accounts for 80 per cent of that market. So in order to pursue global ambition, it made sense to move to the US," he explained. Today, the US forms around 60 per cent of Zenoti's new business for the company, followed by the UK and Australia. India forms less than 10 per cent of its total business, where

the revenue per store is much less as compared with the US. In 2021, it will go deeper into the European markets with ambi-

tions to go for an IPO in the US in the next 2-3 years. The company has recently forayed into pet spas, too.

With many vendors struggling through the Covid-19-induced slowdown, the company is looking at consolidation opportunities that may come up in the US and the UK for faster growth. It is also open to collaborate with Indian start-ups that make interesting technologies that could be used in the wellness and grooming industry.

Of the company's 550-strong global workforce, Zenoti has 400 employees working out of India, serving 12,000 locations globally.

With contactless transactions becoming the new normal and more companies adopting such technologies, Koneru thinks his company will zoom past the 100 per cent annual growth rate soon.

At any rate, Zenoti's investors seem satisfied with the journey so far. As Shekhar Kirani, partner, Accel, said, "From Accel's perspective, it has been gratifying to see

what Sudheer and Zenoti have been able to achieve. There are enough lessons in their execution to fill a book, but we want to draw attention to one particular aspect of Zenoti's organisational culture and leadership: Fast decision-making, which has helped them to gain momentum in the wellness market."

"DRIVERS WHO USE UBER TRUST THE PLATFORM TO DO EVERYTHING AND THEY FOCUS ON THE RIDE. THE SAME WAY WE WANT PEOPLE TO FOCUS ON THEIR CRAFT AND LEAVE THE REST TO US"

SUDHEER KONERU
Founder & CEO, Zenoti



Professor: Prof. Jyotirmaya Tripathy

Headline: Master of the post-modern game

URL: <https://www.dailypioneer.com/2020/columnists/master-of-post-modern-game.html>

Master of post-modern game

Modi's post-modern politics took root not by replacing his modernist development agenda but by working around it and mediating the universal development through particularist identities



JYOTIRMAYA TRIPATHY

Thinking of Prime Minister Narendra Modi as a post-modernist is a little intriguing for intellectuals but a no-brainer for both, his admirers and detractors. For the former, Modi carries the hopes and aspirations of millions and there is little that he cannot do, so there is no reason why he cannot be a post-modernist. For the detractors, he epitomises everything that ails India, so it is not a stretch to assign a post-modern dimension to him. Given that the latter group has already assigned the choicest of adjectives to Modi that establish his limitless power and absolute control over the Indian body politic, they cannot deny a mere post-modernist tag to him.

That said, Modi's supposed post-modernity may evoke surprise and even derision from the intellectual class who, for the first time, see themselves as powerless and realise that the cliché "speaking truth to power" is just an honourable trope. For them, the very idea of yoking Modi with post-modernity is an act of violence and may be a cruel joke that compromises the emancipatory promise of post-modernity and completely de-intellectualises the concept.

In fact, they could imagine this proposition as a game plan to control knowledge. Having been forced to cede political space to Modi, they had retired to their comfort zones of universities and NGOs. The possibility of Modi's post-modernity may appear to them another strategy to rob them of their safe spaces and legitimise him intellectually.

Modernisation first: Let me assure them I have no such objective and that the present engagement comes from within the same thinking class. I would much rather identify the shift in Modi's politics that makes his post-modernity an eminently believable idea. Before Modi became the phenomenon that he is today, he was a moderniser. After an accidental ascension to the Chief Minister's chair, he capitalised on the entrepreneurial community of Gujarat and channelled their success to a pan-Indian aspiration, to be known as the "Gujarat model", though critics would still find many contradictions within that claim.

In terms of Hindu consolidation against an aggressive Mandalisation of politics and the division of Hindu society along caste lines, BJP veteran leader L.K. Advani had already sought to unify Hindus through the Ram Mandir agitation. Modi took this unification strategy from Advani and gave it a developmental idiom. Whether it was intended to arrest the fragmentation of Hindus for cultural or political reasons is anybody's guess, but what we can agree on is the fact that Modi went beyond Hindu unity and created a developmental unity.

As a modernist he was both, disruptive in terms of breaking away from traditional politics and constructive, as in ushering in a new type of politics that was the beginning of development. His modernity was palpable when he invested his political future in the idea of development as universal with the hope of neutralising particularist assertions.

If secularism was the master code of the pre-Modi era, his counter-master narrative was development. The slogan "Sabka Saath, Sabka Videsh, Sabka Vishwas" articulated a new India's resolve for the 21st century. This is not to gloss over alleged incidents of atrocities against minorities after his rise as Prime Minister, though they are not unique to his era. As Chief Minister, Modi had shown his resolve in infrastructure develop-

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MANDAL POLITICS HAD POLITICISED A FEW DOMINANT CASTES. MODI IS TAKING IT TO ITS LOGICAL CONCLUSION BY BREAKING THE MONOLITH. SIMILARLY, THE SINGLE VOTING BLOCK OF DALITS IS OVER AND POLITICIANS AND INTELLECTUALS CANNOT COMPLAIN AGAINST SOMETHING THAT THEY THEMSELVES CHAMPIONED
”



ment, even by demolishing many Hindu temples in Gujarat's Capital Gandhinagar.

Modi took upon himself the responsibility of creating a new political culture where nationalism is no longer a bad word and development is the master legitimiser of contemporary politics. His rationalisation of development as the new mantra may be dismissed as reflective of a post-World War mentality but the fact that India continues to be underdeveloped is the reason behind Modi's success as a moderniser. His promotion of women's empowerment (through the 'Beti Bachao, Beti Padhao' initiative), more seats for women candidates in ITIs and the 'Ujjwala Yojana' for rural women, among others, created development as the new universal and legitimated development as the new catch-all category of Indian politics. So much so that all parties reimagined themselves as development-oriented ones.

The post-modern turn: The Opposition had understood that to keep their hopes alive they had to reclaim Backward communities from Modi and bring them to make common cause with minorities. The fact that non-BJP parties had benefitted heavily from this so-called Backward-Dalit-Muslim unity, something which development started eroding steadily, made them jittery.

There is a post-modern challenge that survived on dissociating Dalits, OBCs, women, Muslims from the modernist project of development. Modi needed a new strategy to reinvigorate himself and he found one, to beat his critics in their own game. His modernist thrust had created a catch-all and all-encompassing category such as development that appeared to have replaced politics. Now began Modi's post-modern politics, not by replacing

his modernist development agenda but by working around it and mediating the universal development through particularist identities.

The mistake many intellectuals make is imagining that Modi and his party as intellectually challenged. They too, imagined the strategy of fragmentation as the bulwark against Modi's judgement (that depended on universals such as nationalism and development) and highlighted difference, fragmentation, particularism and so on. If Modi spoke of Hindutva, the post-modern impulse was to highlight caste difference; if he spoke of nationalism, the post-modern impulse was to offer regional and religious challenges; if development promised equal opportunity, the post-modern alternative was to highlight development's religious and caste blindness. Modi used their tool of fragmentation to fragment further.

Most politicians and intellectuals were convinced that particulars such as Dalit or Muslim or Other Backward Classes (OBC) can never be another universal, but Modi knew better. He criminalised triple talaq and broke the Muslim universal and its inherent patriarchy, something that had been avoided by most political parties.

The Mandalisation of politics had created the greatest monolith of OBCs but Modi knew that OBC is a political construct and so can be refashioned. More than 50 per cent of the country's population cannot be a monolith and that it cannot be a cohesive unit. In 2018, the Rohini Commission recommended splitting of the OBC quota of 27 per cent because about 25 per cent of the 27 per cent OBC quota is usually gobbled up by around 10 dominant castes and the remaining 1,000 castes are largely left out. Modi instinctively understood that these silent groups can be persuaded to see the irony of OBC

reservation and can be the site of a counter-OBC formation.

He also worked around the creamy layer among the OBCs (mostly the salaried and middle-class) who are usually vocal about rights. He knew that their exclusion from the OBC umbrella would dilute the narrative of OBC assertion. So far as Dalit votes are concerned, every State has a few dominant castes (Jats, Mahars, Madigas depending on the region) who are heavily politicised to the extent of hijacking the Dalit movement away from marginal Dalit communities.

Now Modi and the BJP are actively working with these marginalised castes and are integrating their practices in the Hindu cultural sphere. They are also actively empowering them through mobilisation at the grassroots level.

Conclusion: Mandal politics had politicised a few dominant castes. Modi is taking it to its logical conclusion by breaking the monolith. Similarly, the single voting block of Dalits is over and politicians and intellectuals cannot complain against something that they themselves championed. On top of that, Modi's introduction of the Economically Weaker Section quota was a masterstroke that brought caste rather than caste into distributive politics, something Indian communists had chosen to ignore.

Intellectuals and politicians did not have the foresight to see the vulnerability of their position. In their enthusiasm, they had forgotten that though the minority/Dalit/OBC difference can threaten the universal nation, the former is equally vulnerable to contradictions within. Modi beat them in their post-modern game.

(The writer is Professor, Faculty of Humanities and Social Sciences, IIT Madras and a cultural critic. The views expressed are personal)

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Journalist: Prince Frederick

Headline: Have you tried catching up with these passage migrants?

URL: <https://www.thehindu.com/society/have-you-tried-catching-up-with-these-passage-migrants/article33371014.ece>

In November 2011, senior member of Madras Naturalists Society (MNS) Ramanan Padmanabhan posted a picture of a flycatcher that had invited itself to his home at Shastri Nagar. It resembled the Asian Brown Flycatcher closely, but was smaller and darker on the sides. After studying the other photos of the bird clicked by Ramanan, Gnanaskandan Kesavabharathi, an eBird reviewer and also an MNS member, sensed it could be a Dark-sided Flycatcher.

The bird reportedly hanging around the greenery near Ramanan's home the next day, Gnanaskandan decided to make a visit.

"There were heavy showers before the day of the sighting, on that day as well as the next. The bird was probably staying back due to the rains," recalls Gnanaskandan.

Around evening time, when there was let-up in the rain, Gnanaskandan, a resident of Besant Nagar at that time, headed to another MNS member Sivakumar Hariharan's home, and the two were on their way to Ramanan's.

"I knew that if I let go of this opportunity, I would have to go only to the Himalayas to see the Dark-sided Flycatcher," says Gnanaskandan. "After the visitors had waited for a while, the bird showed up on a tree next to Ramanan's balcony.

"We took pictures and jotted down notes. He used to see the Asian Brown Flycatcher there before; and so we had to be certain it was the same bird he had seen the day before. After thorough examination, we documented that it was a Dark-sided Flycatcher."

Gnanaskandan continues: "The pointers were very clear: It was smaller than the Asian Brown Flycatcher; had darker flanks; a very pointed beak; a conspicuous narrow white line running in the centre of the belly; and the primary projection was larger than that of the Asian Brown Flycatcher."

Gnanaskandan points out that in November 2015 in Avadi, there was a sighting of the Dark-sided Flycatcher by Pronoy Baidya, "a Goan birder who was living in Chennai at that time".

Vikas Madhav Nagarajan, an eBird reviewer, documented the sighting of a juvenile Dark-Sided Flycatcher that was on its return migration, in March 2016, at Guindy National Park (GNP).

Tickell's Blue Flycatcher



A Tickell's Blue Flycatcher at GNP in 2016. Photo: Vikas Madhav Nagarajan

"Tickell's Blue Flycatcher is a passage migrant in Chennai and its sightings are highly localised," says Vikas. The bird seems to choose GNP and IIT-M probably because these places are heavily wooded, for its short sojourn, as records of its sighting have emerged from there. Vikas had seen a Tickell's Blue Flycatcher at Guindy National Park in November 2016, and interestingly made another sighting bang on "the other side of the wall on the IIT-M campus". Other birders, Mahathi Narayanaswamy in particular, have sighted this scarce passage migrant at IIT-M. "It is a forest bird, and likes a particularly secluded area," points out Vikas. "It is also drawn to patches with streams. In western ghats, I have seen this bird around streams."

Ultramarine Flycatcher

During a one-year study of butterflies and birds at Guindy National Park, Vikas made quite a number of flycatcher records, and that includes the rare sighting in March 2016 of a male Ultramarine Flycatcher, a scarce passage migrant in Chennai, and a winter visitor to the Nilgris.



Ultramarine Flycatcher at Guindy National Park in 2016. Photo: Vikas Madhav Nagarajan

There are flycatchers with generous "coats" of blue, but there is an ethereal quality to an adult male Ultramarine Flycatcher's blue. It has lapis lazuli written all over it. The white brow and the white patch running from throat to the belly accentuates the blueness. Birder Rama Neelamegam was one of the other birders on the spot when Vikas saw the Ultramarine Flycatcher at GNP. "I was there, but I missed seeing it," says Rama. Given the rarity and beauty of the Ultramarine Flycatcher, she knows that would have made one unforgettable lifer, had she seen the bird that day.

Rusty-tailed Flycatcher

Vikas would choose to cautiously place the Rusty-tailed Flycatcher "somewhere between a scarce winter visitor and a passage migrant", though he sees enough reason to name it a passage migrant, straightaway. "I had seen it on December 31, 2016 and in the previous season, in late April 2016. If a bird is seen at the beginning and end of a migratory season, they are likely a passage migrant for that area. The fact that I saw the bird on a December 31, well into a migration season makes me think that all may not be just passing through Chennai, and a few may be lingering on a bit longer than you would expect a passage migrant to," explains Vikas.

The perch

Flycatchers share their diet preferences and even their table manners — they hawk to get their prey. However, each seems to have a mind of its own when it comes to deciding on the ideal height of their perches.

Says Vikas Madhav Nagarajan, "I have seen the Dark-sided Flycatcher only once in Chennai, but whenever I have seen it in the Himalayas, I have seen it sitting right at the top of a tree. The Asian Brown Flycatcher is in the habit being perched at the top, but the Dark-sided Flycatcher goes for a perch even higher. The Blue-throated Flycatcher would go for the lower branches, and the Brown-breasted Flycatcher would settle for the lowest. At GNP, there is a nice bamboo thicket opposite what is called KK Tank (Kathan Kollai Tank), where we would be treated to the sight of the Brown-breasted Flycatcher sitting really lower down the bamboo bush, to the point that it would appear to be sitting on the ground."

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Journalist: NA

Professor: Prof. Satya Chakravarthy (Authored Article)

Headline: Future of short-haul flights: Electric planes

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Electric aviation can drive down costs and help UDAN soar

Domestic short-haul civil aviation has not taken off as desired essentially because of lack of demand, which is a function of pricing. With today's combustion engine

अयोध्या • राम मंदिर की नींव के नीचे बालू और पानी, इस वजह से टल रहा निर्माण नींव कैसी हो, भूमिपूजन के 138 दिन बाद आज रिपोर्ट देगी कमेटी

नींव तैयार करने वाली एजेंसी का मानना; जमीन की भारवहन क्षमता कम

विजय उपाध्याय | अयोध्या/लखनऊ

अयोध्या में प्रधानमंत्री नरेंद्र मोदी ने 161 फीट ऊंचे बनने वाले श्रीराम जन्मभूमि मंदिर का भूमिपूजन किया था। लेकिन 138 दिन बाद मंदिर की नींव को लेकर हो रही लेट-लतीफी पर देश की प्रतिष्ठित भवन निर्माण संस्थाओं पर सवाल खड़े हो रहे हैं। लासर्स एंड टूबो (एलएंडटी) ने मंदिर की नींव के लिए भूमिगत खंभे की डिजाइन केंद्रीय भवन शोध संस्थान रुड़की और आईआईटी चेन्नई और एनआईटी सूरत की मदद से तैयार की थी। अब 4 महीने बाद समीक्षा करने के बाद हाई एक्सपर्ट कमेटी सोमवार को अपनी रिपोर्ट मंदिर निर्माण समिति के अध्यक्ष नृपेंद्र मिश्र को सौंपेगी।

मंदिर के आर्किटेक्ट सीवी

कमेटी से इन 5 बिंदुओं पर मिलेगा जवाब



- मिट्टी दुरुस्त है या नहीं, समीक्षा करें।
- मंदिर की भूकंप रोधी डिजाइन का मूल्यांकन सही है या नहीं।
- मंदिर के डिजाइन को देश-विदेश में बने मंदिरों से अध्ययन करें।
- प्रस्तावित नींव के तरीके का मूल्यांकन।
- मिट्टी में जहरीले रसायनों की मौजूदगी का असर और भूकंप से बचाव के उपायों की समीक्षा। साथ ही भूमिगत पानी का असर।

सोमपुरा के बेटे निखिल ने कहा- 'सोमपुरा मंदिर शास्त्र में परंपरागत तरीके से चूने और पत्थर से ही मंदिर की नींव तैयार की जाती है। कुछ मंदिरों में हमने आधुनिक पद्धति का भी प्रयोग किया है। जहां तक श्रीराम जन्मभूमि मंदिर की नींव की बात है तो उसकी नींव कैसी हो, इस पर बनी विशेषज्ञ कमेटी की रिपोर्ट का इंतजार है, क्योंकि नींव तैयार करने वाली एजेंसी का मानना है कि

जन्मस्थान की भूमि की भारवहन करने क्षमता कम है। सबके अपने विचार हैं। हम इसमें कुछ नहीं कर सकते हैं।' उधर, मध्य प्रदेश के जबलपुर में बन रहे देश के सबसे बड़े 268 फीट ऊंचे जैन मंदिर के आर्किटेक्ट स्नेहिल पटेल ने कहा कि राम मंदिर की नींव में अड़चन के पीछे इसकी डिजाइन है।

दूसरी ओर, ट्रस्ट ने खंभों पर नींव तैयार करने के लिए शुरुआती

तौर पर एलएंडटी को 29.5 करोड़ दिए हैं। एलएंडटी ने 14-15 सितंबर को टेस्टिंग के लिए दो स्थानों पर 10 टेस्ट पिलर तैयार किए हैं। एक मीटर मोटे 100 फीट गहरे इन पिलर को सीमेंट और कॉन्क्रीट से तैयार किया गया है। 28 दिन पकने के बाद इनकी टेस्टिंग विशेषज्ञों द्वारा की गई। लेकिन पिलर की टेस्ट रिपोर्ट संतोषजनक नहीं रही। इसके बाद मिट्टी को लेकर सवाल खड़े किए गए। ट्रस्ट ने मंदिर के निर्माण कार्य की निगरानी की जिम्मेदारी टाटा कंसल्टिंग इंजीनियरिंग (टीसीई) को दी है।

भूमिगत खंभों की रिपोर्ट ठीक न आने पर ट्रस्ट ने दिल्ली आईआईटी के पूर्व निदेशक वीएस राजू की अध्यक्षता में 8 सदस्यों की कमेटी बना दी। इसमें भूमिगत खंभों की डिजाइन बनाने वाले तीनों संस्थान के प्रतिनिधि भी हैं। कहा गया है कि राम जन्मभूमि की जमीन के नीचे जहरीले रसायनों वाली मिट्टी भी है।

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Journalist: NA

Alumni: Balaji Ramanujam

Headline: WhiteHat Jr hires 4 senior execs to strengthen leadership team

WhiteHat Jr hires 4 senior execs to strengthen leadership team

ED-TECH MAJOR WHITEHAT JR on Monday said it has roped in four senior executives from diverse business backgrounds.

The company has onboarded

Trupti Mukker (ex global business head for banking and financial services digital operations at Wipro) as head of customer experience and Balaji

Ramanujam (an IIM-Bangalore and IIT-Madras alumnus) as head of curriculum and learning experience, a statement said.

WhiteHat Jr has also

appointed Vishnu Dutt Sharma (ex CEO of Vidya Mandir Classes) as its head of global business, and Hemant Sachetee (ex VP HFCL Group) as its CFO. —PTI

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Alumni: Balaji Ramanujam

Headline: WhiteHat Jr hires 4 senior executives to strengthen leadership team

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Edtech major WhiteHat Jr on Monday said it has roped in four senior executives from diverse business backgrounds, including ex-HFCL Group VP as its Chief Financial Officer, to strengthen its leadership team.

The company has onboarded Trupti Mukker (former Global Business Head for Banking and financial services digital operations at Wipro) as Head of Customer Experience and Balaji Ramanujam (an IIM-Bangalore and IIT-Madras alumnus with strong innovation and edtech entrepreneurship experience) as Head of Curriculum and Learning Experience, a statement said.

WhiteHat Jr has also appointed Vishnu Dutt Sharma (former CEO of Vidya Mandir Classes) as its Head of Global Business, and Hemant Sachetee (former Vice President HFCL Group) as its Chief Financial Officer, it added.

The entire core leadership portfolio will work closely with founder and CEO Karan Bajaj to deliver the vision of delivering personalised, live learning with individualised outcomes for every child, the statement said.

"In line with this, WhiteHat Jr has also committed to expanding its highly trained and qualified women-only teacher workforce, currently 11,000-strong to 1,00,000 in the next three years to deliver its proprietary, creative activity-based, age-appropriate curriculum to fuel growth and expansion across geographies," it added.

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Date: 22nd December 2020

Media: The Financial Express (Clip attached)

Edition: New Delhi

Page No: 5

Journalist: NA

Alumni: Balaji Ramanujam

Headline: WhiteHat Jr hires 4 senior execs to strengthen leadership team

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Date: 21st December 2020

Media: The Times of India

Edition: Online

Journalist: NA

Alumni: Balaji Ramanujam

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URL: <https://timesofindia.indiatimes.com/business/india-business/whitehat-jr-hires-4-senior-executives-to-strengthen-leadership-team/articleshow/79836077.cms>

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Date: 21st December 2020

Media: Mint

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Journalist: Nandita Mathur

Alumni: Balaji Ramanujam

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URL: <https://www.livemint.com/companies/start-ups/whitehat-jr-hires-industry-veterans-to-fuel-growth-11608552461936.html>

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Media: Tech Circle

Edition: Online

Journalist: Shweta Sharma

Alumni: Balaji Ramanujam

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Date: 21st December 2020

Media: The Economic Times- BFSI

Edition: Online

Journalist: Amol Detha

Headline: Indian Bank sets up mid-corporate vertical, expects 10% growth

URL: <https://bfsi.economictimes.indiatimes.com/news/banking/indian-bank-setup-mid-corporate-vertical-expects-10-growth/79833004>

Indian bank has decided not to postpone any default with the repayments. The bank has also been reaching out to borrowers in order to avoid potential defaults. But like many others, Indian Bank, too, is receiving low response for restructuring.

“We were expecting corporate and retail both to apply for restructuring schemes. But now there is a low response from the retail segment. On the corporate side, a few are showing interest, said Padmaja Chunduru, MD & CEO, Indian Bank.

She added that recovery has been improved in the last two months

Date: 22nd December 2020
Media: The New Indian Express
Edition: Online
Journalist: NA

Headline: VHP to rope in 5 lakh volunteers from Karnataka for Ram temple fundraising

URL: <https://www.newindianexpress.com/nation/2020/dec/22/vhp-to-rope-in-5-lakh-volunteers-from-karnataka-for-ram-temple-fundraising-2239631.html>

The VHP will rope in over five lakh volunteers to start a door-to-door fundraising drive in Karnataka from January 15 to February 27 next year to build a grand Sri Ram Temple in Ayodhya, the outfit's international working president Alok Kumar said on Tuesday.

Addressing reporters here, he said, "We are going to form a lakh groups comprising volunteers will go to 27,500 villages in the state and will be able to contact 90 lakh 'devotees' for obtaining the 'Nidhi Samarpan' (fund for temple).

" Laying out plans for fundraising, Kumar said a committee called Sri Ram Mandir Nidhi Samarpan Abhiyan Samiti has been formed in the state to oversee the fund collection drive.

According to Kumar, RSS functionary N Thippeswamy will be the secretary of the Karnataka Samiti. There will be a committee of saints to guide the Samiti. Kumar further said the fund would be collected through tokens of Rs 10, Rs 100, Rs 1,000. For those who donate more than Rs 2,000 there will be a receipt. These donations will be exempted under 80G of the Income Tax Act.

The VHP president said every group will consist of five persons who will hand over money to the depositor, who will deposit the entire money within 48 hours in designated bank accounts.

"Every depositor will have a registered code number at the nearest branch of one of the three banks namely State Bank of India, Bank of Baroda and Punjab National Bank.

Full transparency would be maintained in the collection," he added.

On the temple project, Kumar said Larsen and Toubro is building the temple on a turn-key basis whereas Tata Consultancy would be the engineers for the construction.

He noted that there was a challenge facing the engineers as the temple was coming up adjacent to the perennial Sarayu river and there is sand to the depth of 60 to 70 ft.

The three-storey stone structure with an estimated life of 1,000 years will be built without using cement and iron rods.

"For the stability of the structure, engineers from IIT Mumbai, IIT Delhi, IIT Chennai, IIT Guwahati, CBRI Roorkee, Larsen & Toubro are working on the foundation drawing," he explained.

According to him, the temple made of stone blocks would have a total area of 2.7 acres. The construction area is 57,400 sq.ft. The length of the shrine would be 360 feet with 235 feet.

It would be a three-storied structure with 5 mandaps.

It is expected that by 2024 Shri Ram Lala, the idol of Lord Rama, shall be established in the sanctum sanctorum of the main temple.

Along with the temple, there will be several other projects spread over 108 acres, Kumar said adding that all of them will be of world standard and marvellous in all aspects.

He underlined that the VHP does not consider it as yet another temple but a medium of social, religious and spiritual rejuvenation.

"We want to abolish all the differences related to caste, region and linguistics with this temple to build a harmonious society," Kumar said.

He added that the VHP will not be collecting money from any government, municipal corporation or any public body.

Observing that funds will be collected from the Hindu community, he appealed to the people to donate generously.

"We will heartily accept a charity of even Rs 10 and Rs 100," the VHP president said.

On August 5, Prime Minister Narendra Modi had performed the 'bhoomi puja' of a Supreme Court-mandated Ram temple in Ayodhya, bringing to fruition the BJP's 'mandir' movement that defined its politics for three decades and took it to the heights of power.

On November 9, 2019, the SC settled the fractious issue going back more than a century and backed the construction of a Ram temple by a trust at the disputed site.

It also ruled that an alternative five-acre plot must be found for a mosque in the Hindu holy town.

Date: 22nd December 2020

Media: Deccan Herald

Edition: Online

Journalist: NA

Headline: HP to enlist 5 lakh volunteers in Karnataka for Ram Mandir fundraising'

URL: <https://www.deccanherald.com/national/vhp-to-enlist-5-lakh-volunteers-in-karnataka-for-ram-mandir-fundraising-930272.html>

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Date: 22nd December 2020

Media: Republic World

Edition: Online

Journalist: NA

Headline: VHP To Rope In 5 Lakh Volunteers In Karnataka For Ram Temple Fundraising

URL: <https://www.republicworld.com/india-news/general-news/vhp-to-rope-in-5-lakh-volunteers-in-karnataka-for-ram-temple-fundraising.html>

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Media: Outlook

Edition: Online

Journalist: NA

Headline: VHP to rope in 5 lakh volunteers in Karnataka for Ram temple fundraising

URL: <https://www.outlookindia.com/newscroll/vhp-to-rope-in-5-lakh-volunteers-in-karnataka-for-ram-temple-fundraising/1997403>

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Date: 22nd December 2020

Media: The week

Edition: Online

Journalist: NA

Headline: VHP to rope in 5 lakh volunteers in Karnataka for Ram temple fundraising

URL: <https://www.theweek.in/wire-updates/national/2020/12/22/mds3-ka-vhp-temple.html>

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Date: 22nd December 2020

Media: UNI

Edition: Online

Journalist: NA

Headline: Five lakh volunteers to be roped in to rise funds for Ram temple in Ayodhya

URL: <http://www.uniindia.com/five-lakh-volunteers-to-be-roped-in-to-rise-funds-for-ram-temple-in-ayodhya/south/news/2271283.html>

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Media: Yahoo Finance

Edition: Online

Journalist: NA

Headline: VHP to rope in 5 lakh volunteers in Karnataka for Ram temple fundraising

URL: <https://in.finance.yahoo.com/news/vhp-rope-5-lakh-volunteers-085958872.html>

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Date: 22nd December 2020

Media: ETV Bharat

Edition: Online

Journalist: NA

Headline: VHP plans massive Ram Temple fund-raising drive

URL: <https://react.etvbharat.com/english/national/bharat/bharat-news/fundraising-for-building-ayodhya-ram-temple-in-karnataka/na20201222180249027>

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Media: Devdiscourse

Edition: Online

Journalist: NA

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URL: <https://www.devdiscourse.com/article/politics/1379723-vhp-to-rope-in-5-lakh-volunteers-in-karnataka-for-ram-temple-fundraising>

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Media: Udayavani

Edition: Online

Journalist: NA

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URL: <https://www.udayavani.com/english-news/vhp-to-rope-in-5l-volunteers-in-ktaka-for-ayodhya-temple-fundraising>

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The three-storey stone structure with an estimated life of 1,000 years will be built without using cement and iron rods.

"For the stability of the structure, engineers from IIT Mumbai, IIT Delhi, IIT Chennai, IIT Guwahati, CBRI Roorkee, Larsen & Toubro are working on the foundation drawing," he explained.

According to him, the temple made of stone blocks would have a total area of 2.7 acres. The construction area is 57,400 sq.ft. The length of the shrine would be 360 feet with 235 feet.

It would be a three-storied structure with 5 mandaps.

It is expected that by 2024 Shri Ram Lala, the idol of Lord Rama, shall be established in the sanctum sanctorum of the main temple.

Along with the temple, there will be several other projects spread over 108 acres, Kumar said adding that all of them will be of world standard and marvellous in all aspects.

He underlined that the VHP does not consider it as yet another temple but a medium of social, religious and spiritual rejuvenation.

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He added that the VHP will not be collecting money from any government, municipal corporation or any public body.

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"We will heartily accept a charity of even Rs 10 and Rs 100," the VHP president said.

On August 5, Prime Minister Narendra Modi had performed the 'bhoomi puja' of a Supreme Court-mandated Ram temple in Ayodhya, bringing to fruition the BJP's 'mandir' movement that defined its politics for three decades and took it to the heights of power.

On November 9, 2019, the SC settled the fractious issue going back more than a century and backed the construction of a Ram temple by a trust at the disputed site.

It also ruled that an alternative five-acre plot must be found for a mosque in the Hindu holy town.

Date: 22nd December 2020

Media: Vartha Bharathi

Edition: Online

Journalist: NA

Headline: VHP to rope in 5 lakh volunteers in Karnataka for Ram temple fundraising

URL: <https://english.varthabharati.in/karnataka/vhp-to-rope-in-5-lakh-volunteers-in-karnataka-for-ram-temple-fundraising>

The VHP will rope in over five lakh volunteers to start a door-to-door fundraising drive in Karnataka from January 15 to February 27 next year to build a grand Sri Ram Temple in Ayodhya, the outfit's international working president Alok Kumar said on Tuesday.

Addressing reporters here, he said, "We are going to form a lakh groups comprising volunteers will go to 27,500 villages in the state and will be able to contact 90 lakh 'devotees' for obtaining the 'Nidhi Samarpan' (fund for temple).

" Laying out plans for fundraising, Kumar said a committee called Sri Ram Mandir Nidhi Samarpan Abhiyan Samiti has been formed in the state to oversee the fund collection drive.

According to Kumar, RSS functionary N Thippeswamy will be the secretary of the Karnataka Samiti. There will be a committee of saints to guide the Samiti. Kumar further said the fund would be collected through tokens of Rs 10, Rs 100, Rs 1,000. For those who donate more than Rs 2,000 there will be a receipt. These donations will be exempted under 80G of the Income Tax Act.

The VHP president said every group will consist of five persons who will hand over money to the depositor, who will deposit the entire money within 48 hours in designated bank accounts.

"Every depositor will have a registered code number at the nearest branch of one of the three banks namely State Bank of India, Bank of Baroda and Punjab National Bank.

Full transparency would be maintained in the collection," he added.

On the temple project, Kumar said Larsen and Toubro is building the temple on a turn-key basis whereas Tata Consultancy would be the engineers for the construction.

He noted that there was a challenge facing the engineers as the temple was coming up adjacent to the perennial Sarayu river and there is sand to the depth of 60 to 70 ft.

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Date: 22nd December 2020

Media: Coastal Digest

Edition: Online

Journalist: NA

Headline: 5 lakh volunteers to be roped in to raise funds for Ram Temple in Ayodhya

URL: <http://www.coastaldigest.com/news/5-lakh-volunteers-be-roped-rise-funds-ram-temple-ayodhya>

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Date: 22nd December 2020

Media: The Times Of India

Edition: Online

Journalist: Chethan Kumar

Headline: Big bets on India: Amazon, OneWeb, 24 others seek nod for space biz

URL: <https://timesofindia.indiatimes.com/india/big-bets-on-india-amazon-oneweb-24-others-seek-nod-for-space-biz/articleshow/79883810.cms>

Within months of India deciding to open up the space sector, at least 22 proposals from Indian firms and institutions and four foreign companies are being formally reviewed by IN-SPACe, the newly formed space regulator. Jeff Bezos' US-based Amazon Web Services (AWS) and Bharti Group backed UK-based OneWeb are among the firms that have shown interest. The proposals before IN-SPACe (Indian National Space Promotion and Authorisation Centre) range from permissions for ground stations, establishing satellite constellations to making and launching satellites, launch vehicles and providing applications. K Sivan, secretary, Department of Space (DoS), said: "The fact that so many Indian firms, both big companies like L&T and Bharti Group and startups are progressing well is encouraging and in line with our PM's vision. Interest from foreign firms like Amazon will also help India become a global space hub." AWS, which only announced its new 'Aerospace and Satellite Solutions' vertical around the time India cleared decks for IN-SPACe (June 2020), has sought "permission for enabling private space business by making available gateway ground stations as a service". This would include setting up of ground stations and offering satellite-based services. OneWeb's request is to establish a small satellite constellation and provide services, while UAE's Archeron Group wants assistance for small satellites' launch and Norway's Kongsberg Satellite Services (KSAT) wants to set up ground stations. TOI was the first to report about OneWeb and KSAT proposals in October. OneWeb, backed by Bharti Group, has made its proposal through Bharti Global, and is also in talks for launching some of its satellites on a PSLV. IN-SPACe, through its interim committee headed by R Umamaheshwaran, scientific secretary, DoS, has already held preliminary technical discussions with AWS, Archeron and KSAT. Umamaheshwaran told TOI: "AWS proposal is in a nascent stage. On Bharati Global's proposal, technical discussion is in progress regarding licensing and necessary permission and also production of ground receivers in India. Their proposal to launch one mission of OneWeb series through PSLV is also being studied." Among the 24 Indian proposals, Tata's NELCO has sought support for technology demonstration of Low-Earth Orbit network services, while L&T wants to "undertake end-to-end role in the small satellite launch vehicle (SSLV)." Multiple startups, Astrome Technologies, Pixxel, Dhruva Space from Bengaluru, Agnikul Cosmos from Chennai and Skyroot Aerospace from Hyderabad have sought permissions for space-based applications, satellite making, launching and development and launch of launch vehicles. Bengaluru-based Alpha Design has sought technology for small satellites, while Delhi-based MapmyIndia has requested nod for providing services. As reported by TOI, Isro has already signed agreements with Agnikul and Pixxel. AGNi (Accelerated Growth of New India's Innovations) spearheaded by India's Principal Scientific Advisor's office, Srinivas Institute of Technology (Mangaluru), IIT-B, IIT-M, SpaceKidz India, UnitySat and Amrita Vishwa Vidyapeetham are among institutions who have made proposals with IN-SPACe. The other firms are: Orbitx India Aerospace (Jaipur), Vellon Space (Madurai), Tamboli Capital (Bhavnagar), Tathya Earth (Mumbai), DFY Graviti Technologies and Orbitable Pvt Ltd in Bengaluru.

Date: 22nd December 2020

Media: Aaj Tak

Edition: Online

Journalist: NA

Headline: कहीं भी रहकर गृह क्षेत्र में वोट कर सकेंगे प्रवासी, डायनेमिक EVM से होगा क्रांतिकारी परिवर्तन (Migrants will be able to vote anywhere in the home sector, dynamic EVM will bring revolutionary changes)

URL: <https://www.aajtak.in/india/news/story/election-commission-migrants-voting-home-constituency-dynamic-evm-1180887-2020-12-22>

जल्दी ही ये कल्पना सच हो सकती है कि कोई भी भारतीय देश के किसी भी हिस्से में प्रवास करते हुए अपने गृह क्षेत्र के चुनाव में अपनी पसंद के उम्मीदवार को वोट कर सकेगा. निर्वाचन आयोग ने इस बाबत चर्चा चल रही है कि ईवीएम को कैसे इसके लिए सक्षम बनाया जाय.

निर्वाचन आयोग के सूत्रों के मुताबिक, विशिष्ट ईवीएम में ऐसी डायनामिक सूची होगी, जिसके ज़रिए कोई भी मतदाता अपने गृह राज्य, गृह की विधान सभा को खोज कर अपनी पसंद के उम्मीदवार को वोट कर सकेगा. आयोग में फिलहाल इस महत्वाकांक्षी परियोजना के अन्य तकनीकी, व्यावहारिक और कानूनी पहलुओं पर गहन मंथन चल रहा है.

मौजूदा समय में किसी भी ईवीएम के बैलेट यूनिट में सिर्फ उसी इलाके और चुनाव के उम्मीदवारों की सूची रहती है, जहां उसका इस्तेमाल हो रहा है, लेकिन डायनेमिक ईवीएम में डाटा सेव करने की जबरदस्त क्षमता होगी. इतनी कि दिल्ली में बैठा प्रवासी मतदाता बिहार के मधेपुरा, केरल के पलक्कड़ या फिर उत्तराखंड के केदारनाथ में अपने गृह क्षेत्र की लोकसभा या विधानसभा सीट को सर्च कर अपनी पसंद के उम्मीदवार को वोट दे सकता है.

बस वहां की मतदाता सूची में नाम दर्ज होना चाहिए और उसी अनुरूप वोटर आईडी कार्ड भी ज़रूरी है. मौजूदा दौर में कोई प्रवासी या तो वोट देने अपने गृह क्षेत्र में जाए या फिर दिल्ली में अपना मतदाता पहचान पत्र बनवा कर यहीं के चुनाव में प्रतिनिधि चुने.

अब निर्वाचन आयोग में चल रहे मंथन के मुताबिक, कोई दस हज़ार ऐसी डायनेमिक ईवीएम से ये क्रांतिकारी परिवर्तन किया जा सकता है, क्योंकि हरेक जिले में अगर ऐसी पांच छह मशीनें दूरदराज और शहरी इलाकों में तैनात करा दी जाएं और बड़े शहरों में उसी अनुपात में इनकी तादाद बढ़ा दी जाए. महानगरों में जहां प्रवासियों की संख्या बहुत ज़्यादा रहती है, वहां भी इनकी बड़ी संख्या में तैनाती करने से मकसद हल हो सकता है.

देखें: आजतक LIVE TV

अगर सब कुछ योजनाबद्ध तरीके से सुचारू और अनुकूल रहा साथ ही आशानुरूप नतीजे आए तो कोई आश्चर्य नहीं कि 2024 के लोकसभा चुनाव में इस तकनीक से क्रांतिकारी बदलाव देश के लोकतान्त्रिक इतिहास में नई इबारत लिखा जाएगा. मतदाता देश में कहीं भी रहता हुआ अपने गृह क्षेत्र में मतदान करेगा.

इस प्रोजेक्ट पर पिछले नौ महीने से जबरदस्त काम चल रहा है. अप्रैल में आयोग ने तकनीकी विशेषज्ञता के दिग्गज और सेंटर फॉर डवलपमेंट ऑफ एडवांस कम्प्यूटिंग के महानिदेशक रजत मूना, आईआईटी मद्रास, दिल्ली और बॉम्बे के विशेषज्ञों की सात सदस्यीय टीम रिमोट वोटिंग फ्रेमवर्क पर लगातार अनुसंधान में जुटी है.

अगले साल की शुरुआत इसके प्रोटोटाइप प्रदर्शन से हो सकती है. यानी 2021 कई सुखद, क्रांतिकारी और सुकून देने वाली चीजें लाएगा. यानी अगले साल सिर्फ कोरोना वायरस संक्रमण को बेअसर करने वाली वैक्सीन ही नहीं बल्कि और भी बहुत कुछ चमत्कारी खबरें आने वाली हैं.

Date: 22nd December 2020

Media: Adgully

Edition: Online

Journalist: NA

Alumni: Balaji Ramanujam

Headline: WhiteHat Jr Strengthens Leadership Team; Onboards Industry Veterans

URL: <https://www.adgully.com/whitehat-jr-strengthens-leadership-team-onboards-industry-veterans-99355.html>

Leading edtech startup WhiteHat Jr has announced the expansion of its senior leadership team comprising industry veterans and experts from diverse business backgrounds. The new additions to the leadership team follow WhiteHat Jr's foray into key global markets, including the USA, the UK, Australia and New Zealand.

The company has onboarded Trupti Mukker, the former Global Business Head for Banking & FS Ops at Wipro, who has joined as Head of Customer Experience; Balaji Ramanujam, an IIM-Bangalore and IIT-Madras alumnus with strong innovation and edtech entrepreneurship experience, as Head of Curriculum and Learning Experience; Vishnu Dutt Sharma, former CEO of Vidya Mandir Classes as Head of Global Business, and Hemant Sachetee, former Vice President HFCL Group as the Chief Financial Officer.

The leadership team also includes seasoned executives such as COO - Ankur Nyati, the former Head of Operations Ola UK; B2B Head - Nitin Kochhar, the former COO of Hero Electronix, with strong experience of leading multiple businesses in startup space with stints at Flipkart, Rivigo and Shopclues. Global Head of Brand Marketing - Vednarayan Sirdeshpande who has been associated with global brands like Mondelez, Amazon and Discovery Inc; Global Head of Communications and External Affairs - Sameer Bajaj who has led communication mandates for marquee brands such as Star Sports, Amway and Discovery Inc; and Global Head of Growth Marketing - Burhanuddin Pithawala who was formerly in-charge of Global Marketing and Growth at OYO Hotels.

The entire core leadership portfolio will work closely with Founder and CEO Karan Bajaj to deliver the vision of delivering personalized, live learning with individualized outcomes for every child. In line with this, WhiteHat Jr has also committed to expanding its highly trained and qualified women-only teacher workforce, currently 11,000 strong, to 100,000 in the next three years to deliver its proprietary, creative activity-based, age-appropriate curriculum to fuel growth and expansion across geographies.

Speaking on the appointments, WhiteHat Jr Founder and CEO Karan Bajaj said, "WhiteHat Jr has grown rapidly from being just a concept two years ago to celebrating the joy of kids creativity in multiple countries across the world. We're excited to continue onboarding a team of highlyexperienced, seasoned business leaders with deep passion for education to build strong systems and structures for future growth."

Some of the prominent new leaders joining WhiteHat Jr are:

TRUPTI MUKKER, HEAD OF CUSTOMER EXPERIENCE & OPERATIONS

Trupti, in her previous role as the Global Head for Banking & FS Ops at Wipro, grew the business and led a team of over 10,000 associates across Asia, USA, LATAM and Europe. Under her leadership, the business came to be recognized by analysts as a benchmark in Customer Experience and Digital Operations in a highly regulated industry. A founding member of a skill development start-up, Trupti has worked closely with NASSCOM, NSDC and several state governments in India, and facilitated the upskilling of more than 15,000 learners across J&K, West Bengal and Maharashtra. She is also a certified GE six sigma black belt and an IIM-B alumnus.

BALAJI RAMANUJAM, HEAD OF CURRICULUM & LEARNING EXPERIENCE

Balaji is a Computer Science & Engineering graduate from IIT-Madras and an IIM-Bangalore alumnus. He built a career over two decades driving innovation at some of the World's top companies - Procter & Gamble, Energizer & 3M Technologies, across Asia, Africa and the Middle East. He brings deep relevant experience as an ed-tech entrepreneur who has spent the last few years working on the problem of how to help children stay creative and imaginative, so that they grow up to be creators, inventors and original thinkers. He is a passionate life-long learner and volunteers as a football coach for kids in his spare time.

VISHNU DUTT SHARMA, HEAD OF GLOBAL BUSINESS

Former CEO of Vidya Mandir Classes (VMC), Vishnu comes with a wealth of experience in the education and start-up sector. Under his leadership, VMC rapidly expanded its national footprint, and launched & scaled a profitable online Test Prep teaching model for IIT JEE, NEET and other K-12 competition tests like Olympiads, NTSE etc. Prior to VMC, Vishnu was co-founder and CEO at Fliplearn, where he helped build a world class platform, delivering personalized education for K-12 students, reaching out to 3.3 million users across 3000+ Schools. Vishnu also has experience working with major startups like the Myntra and Flipkart group, and has worked as a management consultant at The Boston Consulting Group working on assignments spanning strategy and execution excellence.

HEMANT SACHETEE, CHIEF FINANCIAL OFFICER

Former Vice President – Corporate with HFCL Group, Hemant brings with him rich experience spanning over two decades across finance, investment banking, performance monitoring, strategy & planning, systems & processes, special projects, investor relation, internal audit etc. In various investee companies and projects, he has successfully built, scaled and managed multiple teams and functions. A qualified chartered accountant, Hemant has led various fund raising initiatives and has implemented effective systems, processes and controls with proper reporting mechanism for vouching propriety of affairs.

Date: 23rd December 2020

Media: The New Indian Express (Clip attached)

Edition: Hyderabad

Page No: 1,4

Journalist: NA

Headline: VHP to seek funds from 3cr in TS For Ram Mandir

Ram Mandir donors can avail I-T exemption



Dubbaka MLA Raghunandan Rao hands over a cheque of ₹1 crore on behalf of his client M Ramakrishna to the VHP on Wednesday
| RVK RAO

FROM PAGE 1

“The collections will be made by coupons, printed in the denominations of ₹10, ₹100, and ₹1,000. The cash will then be deposited in the State Bank of India, Bank of Baroda or Punjab National Bank within 48 hours. Every depositor will have a registered code number at the nearest branch of one of the three designated banks,” he said.

Alok Kumar further said donation of ₹2,000 or more will accepted and the receipt will be issued to the donor, who can avail an income tax exemption under Section 80 (G) of the Income Tax Act. “Larsen and Toubro is building the Mandir, while Tata Consultancy, IIT-Delhi, IIT-Mumbai, IIT-Chennai, IIT-Guwahati and CBRI-Roorkee will be the engineers for consultation. Dunes of 60-70 feet will be built on the banks of the Sarayu river, which will be a challenge. There will be a magnificent temple by 2024, which will be built with stone and have a lifetime of 1,000 years. Cement and iron rods will not be used in its construction,” he said.

Additionally, the Ram Mandir will inspire people to follow Hinduism, he said. “The difference between high and low, untouchability and casteism will vanish from the country. This campaign is to eliminate terrorism and, in essence, we want to bring Ram Rajya,” Alok Kumar said.

VHP TO SEEK FUNDS FROM 3 CR IN TS FOR RAM MANDIR

EXPRESS NEWS SERVICE
@ Hyderabad

VOLUNTEERS of the Vishwa Hindu Parishad (VHP) will reach out to three crore people among 40 lakh families in over 9,000 villages across Telangana to seek funds for the construc-

tion of the Ram Mandir in Ayodhya.

The outfit has formed a State unit of the Shri Ram Janma Bhoomi Mandir Nirman Nidhi Samarpan Abhiyan to collect donations from devotees. It has also constituted five-member teams which will conduct a

door-to-door fundraising campaign from January 15 to February 27. Following the call by the VHP, Dubbaka MLA Raghunandan Rao, who is also a lawyer, has donated ₹1 crore on behalf of his client, M Ramakrishna.

Addressing a press confer-

ence here on Wednesday, Alok Kumar, the central working president of the VHP and national convenor of the Shri Ram Janma Bhoomi Mandir Nirman Nidhi Samarpan Abhiyan, said transparency will be ensured at all levels.

CONTINUED ON P4

Date: 23rd December 2020

Media: Zee News

Edition: Online

Journalist: Ananya Das

Headline: Ayodhya Ram Mandir: This is the biggest challenge for temple designers, help called from IITs

URL: <https://zeenews.india.com/india/ayodhya-ram-mandir-this-is-the-biggest-challenge-for-temple-designers-help-called-from-iits-2332572.html>

The work of digging to lay the foundation for the construction of the Ram Temple in Ayodhya's Ram Janmabhoomi complex will start in January 2021. The foundation work is a challenge for the construction of Ram temple as the area is on the bank of River Saryu and there is gravelly-sandy soil up to 100 feet below the ground.

Due to this, the work of piling is being hampered and to overcome this obstacle, to keep the Ram temple safe for 1,000 years, a team of IIT experts from all over the country is working to prepare the better design of the foundation.

The current and retired experts of IIT-Madras, IIT-Mumbai, IIT-Kanpur, IIT-Delhi, IIT-Guwahati and CBRI Roorkee are engaged in preparing the report. It is believed that the design of the foundation can be finalized in the proposed meeting of Ram Mandir Construction Committee in Delhi by December 29 at the end of 2021.

A meeting was held with Ram Janmabhoomi Tirtha Kshetra Trust, saints and office bearers of Vishwa Hindu Parishad at Karsevak Puram in Ayodhya. In this meeting, a public cooperation work plan for construction of Ram temple was asked to share with the saints and also the progress of construction of Ram temple, said the general secretary of Ram Janma Bhoomi Trust, Champat Rai.

Ram Janmabhoomi Tirtha Kshetra Trust and the government will not acquire the land of other people of Ayodhya. Champat Rai told that there is sandy soil 17 meters below and even after digging further, the soil is not being found. The foundation design is being prepared and the same method is used to build a dam on the river while laying the foundation for the Ram temple.

An underground retaining wall, to stop the flow of water, will be built on 5 acres of land for safekeeping of the Ram temple. Rai said that the Vishwa Hindu Parishad workers will voluntarily meet the President, Vice President and Prime Minister on January 14 for the construction of Ram temple, besides voluntary contribution from the 11 crore families.

Date: 23rd December 2020

Media: AAJ Tak

Edition: Online

Journalist: NA

Headline: अयोध्या: राम मंदिर निर्माण के लिए टेस्टिंग में फेल हुए पिलर, जानिए अब क्या होगी तकनीक (Ayodhya: Pillar failed in testing for construction of Ram temple, know what will be the technique now)

URL: <https://www.aajtak.in/india/uttar-pradesh/story/ayodhya-pillar-failed-in-testing-for-construction-of-ram-temple-know-what-will-be-the-technique-now-1181777-2020-12-24>

अयोध्या में राम मंदिर का निर्माण शुरू हो गया है. राम भक्तों को मंदिर का बेसब्री से इंतजार है. लेकिन, राम मंदिर के लिए 1200 पिलर्स की जो ड्रॉइंग तैयार की गई थी वह फिलहाल कामयाब होती नहीं दिख रही है. अब सवाल यह उठता है कि राम मंदिर निर्माण को लेकर ट्रस्ट, निर्माण एजेंसियों और विशेषज्ञों का अगला कदम क्या होगा. साथ ही ये सवाल भी है कि अब तक राम मंदिर निर्माण को लेकर क्या-क्या परेशानियां हैं. इसमें कितनी सफलता हाथ लगी है और कितनी विफलता.

सबसे पहले राम मंदिर की बुनियाद का स्ट्रक्चर तैयार करने के लिए जो डिजाइन बनाया गया उसमें 1200 पिलर जमीन के भीतर 125 फीट गहराई में बोर किए जाने थे. लिहाजा टेस्टिंग के लिए कुछ पिलर को जमीन के भीतर 125 फीट तक डाला गया उसको पूरी तरह मजबूत होने के लिए 28 से 30 दिन तक छोड़ा गया इसके बाद जब उस पर 700 टन का वजन डाला गया और भूकंप का परीक्षण करने के लिए भूकंप के झटके दिए गए तो इन परीक्षणों के दौरान यह पिलर अपने स्थान से खिसक और मुड़ गए. इसके बाद जिस ड्रॉइंग पर राम मंदिर का निर्माण किया जाना था उसे रोक दिया गया और नए सिरे से प्लानिंग के लिए आईआईटी दिल्ली आईआईटी गुवाहाटी, आईआईटी मुंबई, आईआईटी सूरत के वर्तमान और रिटायर्ड प्रोफेसर और वैज्ञानिकों के साथ टाटा, लार्सन और टूब्रो के विशेषज्ञों की एक जॉइंट टीम बनाई गई.

Date: 23rd December 2020

Media: Jagran Josh

Edition: Online

Journalist: NA

Headline: अयोध्या में अगले माह शुरू होगा राममंदिर निर्माण, सरयू के भूमिगत प्रवाह को देखकर बन रही योजना (Ram temple construction will start next month in Ayodhya, planning is going on after seeing the underground flow of Saryu)

URL: <https://www.jagran.com/uttar-pradesh/lucknow-city-champat-rai-said-that-the-construction-of-the-temple-will-begin-next-month-21197937.html>

अयोध्या में राम मंदिर का निर्माण शुरू हो गया है। राम भक्तों को मंदिर का बेसब्री से इंतजार है। लेकिन, राम मंदिर के लिए 1200 पिलर्स की जो ड्रॉइंग तैयार की गई थी वह फिलहाल कामयाब होती नहीं दिख रही है। अब सवाल यह उठता है कि राम मंदिर निर्माण को लेकर ट्रस्ट, निर्माण एजेंसियों और विशेषज्ञों का अगला कदम क्या होगा। साथ ही ये सवाल भी है कि अब तक राम मंदिर निर्माण को लेकर क्या-क्या परेशानियां हैं। इसमें कितनी सफलता हाथ लगी है और कितनी विफलता।

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Date: 23rd December 2020

Media: MSN

Edition: Online

Journalist: NA

Headline: Ayodhya Ram Mandir: This is the biggest challenge for temple designers, help called from IITs

URL: <https://www.msn.com/en-in/news/newsindia/ayodhya-ram-mandir-this-is-the-biggest-challenge-for-temple-designers-help-called-from-iits/ar-BB1cbgnt>

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Date: 23rd December 2020

Media: Dabang Dunia

Edition: Online

Journalist: NA

Headline: पैनासोनिक इंडिया ने रतिछत्र छात्रवृत्ति के लिए 30 छात्रों को चुना (Panasonic India selects 30 students for Ratichhtra Scholarship)

URL: <https://m.dabangdunia.in/news/national/story/203495.html>

पैनासोनिक इंडिया के एक विविध प्रौद्योगिकी कंपनी ने देश भर की 23 भारतीय प्रौद्योगिकी संस्थान (आईआईटी) के 30 छात्रों को छात्रवृत्ति प्रदान करने के लिए अपनी छात्रवृत्ति कार्यक्रम 'रतिछत्र' के चुना है। छात्रवृत्ति कार्यक्रम का उद्देश्य देश के दूसरे सबसे बड़े जॉब सर्च प्लेटफॉर्म शाइनडॉटकॉम (एचटी) के सहयोग से चुने गए स्नातक छात्रों को वित्तीय सहायता प्रदान करना है, जिससे वे अपने संबंधित आईआईटी में उच्च शिक्षा प्राप्त कर सकें।

इस सम्मान समारोह में नीति आयोग के मुख्य कार्यकारी अधिकारी अमिताभ कांत मुख्य अतिथि के रूप में हैं। इसके अलावा पैनासोनिक इंडिया के अध्यक्ष एवं मुख्य कार्यकारी अधिकारी मनीष शर्मा और दक्षिण एशिया, प्रोफेसर संजीव सांघी, एप्लाइड मैकेनिक्स विभाग, आईआईटी दिल्ली के प्रमुख और सुरितु घोष, पैनासोनिक इंडिया कॉर्पोरेट मामलों और सीएसआर की प्रमुख शामिल थे।

अमिताभ कांत ने विजेताओं को बधाई देते हुए कहा, "मैं इन मेधावी छात्रों को बधाई देना चाहूंगा, जिनकी लगातार कड़ी मेहनत ने उन्हें आज यहां तक पहुंचाया है। पैनासोनिक इंडिया के निरंतर प्रयास युवाओं के सपनों और आकांक्षाओं को पूरा करने के लिए उनके 'रतिछत्र' छात्रवृत्ति कार्यक्रम वास्तव में सराहनीय हैं। पैनासोनिक इंडिया और साउथ एशिया के अध्यक्ष और सीईओ मनीष शर्मा ने कहा, "आज का युवा परिवर्तन की प्रेरणा शक्ति है, जो बेहतर कल को आकार देने की क्षमता रखता है और यह मुझे गर्व से भर देता है कि रतिछत्र छात्रवृत्ति कार्यक्रम के माध्यम से हम युवा प्रतिभाओं को ऐसे नेतृत्व कर्ता बनाये जो अपनी पसंद के क्षेत्र में कौशल विकास कर सकें।

हम विजेताओं को बधाई देते हैं और आशा करते हैं कि हमारी कोशिश उन्हें अपनी महत्वाकांक्षाओं को साकार करने के लिए प्रेरित करती रहेगी।" पैनासोनिक इंडिया कॉर्पोरेट मामलों और सीएसआर के प्रमुख रितुघोष ने कहा कि हमारी रतिछत्र छात्रवृत्ति सभी को बेहतर ज़िन्दगी प्रदान करने तथा एक बेहतर और सम्पूर्ण दुनिया के निर्माण के पैनासोनिक के उद्देश्य के अनुरूप है, जो देश का सामाजिक व आर्थिक विकास करने में सहयोग देगी।"

उन्होंने कहा कि वर्ष 2020 रतिछत्र छात्रवृत्ति कार्यक्रम में 550 से अधिक आवेदन प्राप्त हुए, जिनमें से 409 आवेदनों को शॉर्टलिस्ट किया गया। एक ऑनलाइन परीक्षण के आधार पर 168 छात्रों का साक्षात्कार लिया गया, जिसमें से पैनासोनिक इंडिया ने इस सम्मान के लिए 30 विजेताओं को चुना है। जो इस प्रकार हैं।

दृष्टिखेर आईआईटी-भुवनेश्वर, उत्कर्षसाहू आईआईटी-भुवनेश्वर, हिमांशु यादव आईआईटी- भुवनेश्वर, अर्पित उपाध्याय आईआईटी-मुंबई, हरीश कुमार आईआईटी - कानपुर, सुकीर्ति शुक्ला आईआईटी - मद्रास, श्रेया शुक्ला आईआईटी - मद्रास, यशरमानी आईआईटी-दिल्ली, सुकन्यामोरे आईआईटी-गांधीनगर, प्रियागुप्ता आईआईटी-गांधीनगर, नितीश कुमार आईआईटी-गुवाहाटी, ंपिकी सिंह आईआईटी-गुवाहाटी, दीपक प्रसाद आईआईटी-गुवाहाटी, लोकेश सुराणा आईआईटी-हैदराबाद, पार्थभोरे आईआईटी-इंदौर, नीरज सिंह आईआईटी-जम्मू, आज़ाद कुमार आईआईटी-खड़गपुर, प्रिया नंदी आईआईटीझरखड़गपुर, धर्मा गुर्रम आईआईटी-मंडी, मोनिका मीणा आईआईटीझरमंडी, विजय रावत आईआईटीझररुड़की, दोहराजा आईआईटीझररुड़की, उत्कर्षराज आईआईटी-रुड़की, सार्थकवत्स आईआईटीझरोपड़, आयुष श्रीवास्तव आईआईटीझरधारवाड़, अमोघ जोशी आईआईटीझरभिलाई, आलोक कुमार सेठी

आईआईटीझभुवनेशवर, बृजेश कुमार आईआईटी-धनबाद, अभिरामजल्ली आईआईटी-गोवा और शुभमराज आईआईटी - पटना शामिल हैं।

प्रियंका ने वोरा के निधन पर जताया शोक नई दिल्ली 21 दिसंबर (वार्ता) कांग्रेस की वरिष्ठ नेता प्रियंका गांधी वाड्रा ने पार्टी के वरिष्ठ नेता मोती लाल वोरा के निधन पर गहरा शोक प्रकट किया है। वाड्रा ने एक ट्वीट में कहा कि परिवार के एक बुजुर्ग सदस्य चले गए हैं। उन्होंने कहा, " मोतीलाल वोरा जी के निधन से कांग्रेस पार्टी के हर एक नेता, हर एक कार्यकर्ता को व्यक्तिगत तौर पर दुःख महसूस हो रहा है। वोरा जी कांग्रेस की विचारधारा के प्रति निष्ठा, समर्पण और धैर्य के प्रतीक थे। 92 साल की उम्र में भी हर मीटिंग में उनकी मौजूदगी रही, हर निर्णय पर उन्होंने अपने विचार खुलकर प्रकट किए। आज दुःख भरे दिल से उन्हें अलविदा कहते हुए यह महसूस हो रहा है कि परिवार के एक बड़े बुजुर्ग सदस्य चले गए हैं। हम सब उन्हें बहुत याद करेंगे।"

Date: 23rd December 2020

Media: Free Report

Edition: Online

Journalist: NA

Headline: पैनासोनिक इंडिया ने अपने रति छत्र छात्रवृत्ति कार्यक्रम के छठे संस्करण के विजेताओं की घोषणा की (Panasonic India announces the winners of the sixth edition of its Rati Chhatra Scholarship Program)

URL: <https://freereport.club/पैनासोनिक-इंडिया-ने-अपने/>

पैनासोनिक इंडिया के एक विविध प्रौद्योगिकी कंपनी ने देश भर की 23 भारतीय प्रौद्योगिकी संस्थान (आईआईटी) के 30 छात्रों को छात्रवृत्ति प्रदान करने के लिए अपनी छात्रवृत्ति कार्यक्रम 'रतिछत्र' के चुना है। छात्रवृत्ति कार्यक्रम का उद्देश्य देश के दूसरे सबसे बड़े जॉब सर्च प्लेटफॉर्म शाइनडॉटकॉम (एचटी) के सहयोग से चुने गए सातक छात्रों को वित्तीय सहायता प्रदान करना है, जिससे वे अपने संबंधित आईआईटी में उच्च शिक्षा प्राप्त कर सकें।

इस सम्मान समारोह में नीति आयोग के मुख्य कार्यकारी अधिकारी अमिताभ कांत मुख्य अतिथि के रूप में हैं। इसके अलावा पैनासोनिक इंडिया के अध्यक्ष एवं मुख्य कार्यकारी अधिकारी मनीष शर्मा और दक्षिण एशिया, प्रोफेसर संजीव सांघी, एप्लाइड मैकेनिक्स विभाग, आईआईटी दिल्ली के प्रमुख और सुरितु घोष, पैनासोनिक इंडिया कॉर्पोरेट मामलों और सीएसआर की प्रमुख शामिल थे।

अमिताभ कांत ने विजेताओं को बधाई देते हुए कहा, "मैं इन मेधावी छात्रों को बधाई देना चाहूंगा, जिनकी लगातार कड़ी मेहनत ने उन्हें आज यहां तक पहुंचाया है। पैनासोनिक इंडिया के निरंतर प्रयास युवाओं के सपनों और आकांक्षाओं को पूरा करने के लिए उनके 'रतिछत्र' छात्रवृत्ति कार्यक्रम वास्तव में सराहनीय हैं। पैनासोनिक इंडिया और साउथ एशिया के अध्यक्ष और सीईओ मनीष शर्मा ने कहा, "आज का युवा परिवर्तन की प्रेरणा शक्ति है, जो बेहतर कल को आकार देने की क्षमता रखता है और यह मुझे गर्व से भर देता है कि रतिछत्र छात्रवृत्ति कार्यक्रम के माध्यम से हम युवा प्रतिभाओं को ऐसे नेतृत्व कर्ता बनाये जो अपनी पसंद के क्षेत्र में कौशल विकास कर सकें।

हम विजेताओं को बधाई देते हैं और आशा करते हैं कि हमारी कोशिश उन्हें अपनी महत्वाकांक्षाओं को साकार करने के लिए प्रेरित करती रहेगी।" पैनासोनिक इंडिया कॉर्पोरेट मामलों और सीएसआर के प्रमुख रितुघोष ने कहा कि हमारी रतिछत्र छात्रवृत्ति सभी को बेहतर ज़िन्दगी प्रदान करने तथा एक बेहतर और सम्पूर्ण दुनिया के निर्माण के पैनासोनिक के उद्देश्य के अनुरूप है, जो देश का सामाजिक व आर्थिक विकास करने में सहयोग देगी।"

उन्होंने कहा कि वर्ष 2020 रतिछत्र छात्रवृत्ति कार्यक्रम में 550 से अधिक आवेदन प्राप्त हुए, जिनमें से 409 आवेदनों को शॉर्टलिस्ट किया गया। एक ऑनलाइन परीक्षण के आधार पर 168 छात्रों का साक्षात्कार लिया गया, जिसमें से पैनासोनिक इंडिया ने इस सम्मान के लिए 30 विजेताओं को चुना है। जो इस प्रकार हैं।

दृष्टिखेर आईआईटी-भुवनेश्वर, उत्कर्षसाहू आईआईटी-भुवनेश्वर, हिमांशु यादव आईआईटी- भुवनेश्वर, अर्पित उपाध्याय आईआईटी-मुंबई, हरीश कुमार आईआईटी - कानपुर, सुकीर्ति शुक्ला आईआईटी - मद्रास, श्रेया शुक्ला आईआईटी - मद्रास, यशरमानी आईआईटी-दिल्ली, सुकन्यामोरे आईआईटी-गांधीनगर, प्रियागुप्ता आईआईटी-गांधीनगर, नितीश कुमार आईआईटी-गुवाहाटी, ंपिकी सिंह आईआईटी-गुवाहाटी, दीपक प्रसाद आईआईटी-गुवाहाटी, लोकेश सुराणा आईआईटी- हैदराबाद, पार्थभोरे आईआईटी-इंदौर, नीरज सिंह आईआईटी-जम्मू, आज़ाद कुमार आईआईटी-खड़गपुर, प्रिया नंदी

आईआईटीझखड़गपुर, धर्मा गुर्रम आईआईटी- मंडी, मोनिका मीणा आईआईटीझमंडी, विजय रावत आईआईटीझरुड़की, दोहराजा आईआईटीझरुड़की, उत्कर्षराज आईआईटी-रुड़की, सार्थकवत्स आईआईटीझरोपड़, आयुष श्रीवास्तव आईआईटीझधारवाड़, अमोघ जोशी आईआईटीझभिलाई, आलोक कुमार सेठी आईआईटीझभुवनेशवर, बृजेश कुमार आईआईटी-धनबाद, अभिरामजल्ली आईआईटी-गोवा और शुभमराज आईआईटी - पटना शामिल हैं।

प्रियंका ने वोरा के निधन पर जताया शोक नई दिल्ली 21 दिसंबर (वार्ता) कांग्रेस की वरिष्ठ नेता प्रियंका गांधी वाड़ा ने पार्टी के वरिष्ठ नेता मोती लाल वोरा के निधन पर गहरा शोक प्रकट किया है। वाड़ा ने एक ट्वीट में कहा कि परिवार के एक बुजुर्ग सदस्य चले गए हैं। उन्होंने कहा, “ मोतीलाल वोरा जी के निधन से कांग्रेस पार्टी के हर एक नेता, हर एक कार्यकर्ता को व्यक्तिगत तौर पर दुःख महसूस हो रहा है। वोरा जी कांग्रेस की विचारधारा के प्रति निष्ठा, समर्पण और धैर्य के प्रतीक थे। 92 साल की उम्र में भी हर मीटिंग में उनकी मौजूदगी रही, हर निर्णय पर उन्होंने अपने विचार खुलकर प्रकट किए। आज दुःख भरे दिल से उन्हें अलविदा कहते हुए यह महसूस हो रहा है कि परिवार के एक बड़े बुजुर्ग सदस्य चले गए हैं। हम सब उन्हें बहुत याद करेंगे।”

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Media: Hindi News View

Edition: Online

Journalist: NA

Headline: पैनासोनिक इंडिया ने अपने रति छत्र छात्रवृत्ति कार्यक्रम के छठे संस्करण के विजेताओं की घोषणा की (Panasonic India announces the winners of the sixth edition of its Rati Chhatra Scholarship Program)

URL: <https://hindinewsviews.xyz/पैनासोनिक-इंडिया-ने-अपने/>

पैनासोनिक इंडिया के एक विविध प्रौद्योगिकी कंपनी ने देश भर की 23 भारतीय प्रौद्योगिकी संस्थान (आईआईटी) के 30 छात्रों को छात्रवृत्ति प्रदान करने के लिए अपनी छात्रवृत्ति कार्यक्रम 'रतिछत्र' के चुना है। छात्रवृत्ति कार्यक्रम का उद्देश्य देश के दूसरे सबसे बड़े जॉब सर्च प्लेटफॉर्म शाइनडॉटकॉम (एचटी) के सहयोग से चुने गए सातक छात्रों को वित्तीय सहायता प्रदान करना है, जिससे वे अपने संबंधित आईआईटी में उच्च शिक्षा प्राप्त कर सकें।

इस सम्मान समारोह में नीति आयोग के मुख्य कार्यकारी अधिकारी अमिताभ कांत मुख्य अतिथि के रूप में हैं। इसके अलावा पैनासोनिक इंडिया के अध्यक्ष एवं मुख्य कार्यकारी अधिकारी मनीष शर्मा और दक्षिण एशिया, प्रोफेसर संजीव सांघी, एप्लाइड मैकेनिक्स विभाग, आईआईटी दिल्ली के प्रमुख और सुरितु घोष, पैनासोनिक इंडिया कॉर्पोरेट मामलों और सीएसआर की प्रमुख शामिल थे।

अमिताभ कांत ने विजेताओं को बधाई देते हुए कहा, "मैं इन मेधावी छात्रों को बधाई देना चाहूंगा, जिनकी लगातार कड़ी मेहनत ने उन्हें आज यहां तक पहुंचाया है। पैनासोनिक इंडिया के निरंतर प्रयास युवाओं के सपनों और आकांक्षाओं को पूरा करने के लिए उनके 'रतिछत्र' छात्रवृत्ति कार्यक्रम वास्तव में सराहनीय हैं। पैनासोनिक इंडिया और साउथ एशिया के अध्यक्ष और सीईओ मनीष शर्मा ने कहा, "आज का युवा परिवर्तन की प्रेरणा शक्ति है, जो बेहतर कल को आकार देने की क्षमता रखता है और यह मुझे गर्व से भर देता है कि रतिछत्र छात्रवृत्ति कार्यक्रम के माध्यम से हम युवा प्रतिभाओं को ऐसे नेतृत्व कर्ता बनाये जो अपनी पसंद के क्षेत्र में कौशल विकास कर सकें।

हम विजेताओं को बधाई देते हैं और आशा करते हैं कि हमारी कोशिश उन्हें अपनी महत्वाकांक्षाओं को साकार करने के लिए प्रेरित करती रहेगी।" पैनासोनिक इंडिया कॉर्पोरेट मामलों और सीएसआर के प्रमुख रितुघोष ने कहा कि हमारी रतिछत्र छात्रवृत्ति सभी को बेहतर ज़िन्दगी प्रदान करने तथा एक बेहतर और सम्पूर्ण दुनिया के निर्माण के पैनासोनिक के उद्देश्य के अनुरूप है, जो देश का सामाजिक व आर्थिक विकास करने में सहयोग देगी।"

उन्होंने कहा कि वर्ष 2020 रतिछत्र छात्रवृत्ति कार्यक्रम में 550 से अधिक आवेदन प्राप्त हुए, जिनमें से 409 आवेदनों को शॉर्टलिस्ट किया गया। एक ऑनलाइन परीक्षण के आधार पर 168 छात्रों का साक्षात्कार लिया गया, जिसमें से पैनासोनिक इंडिया ने इस सम्मान के लिए 30 विजेताओं को चुना है। जो इस प्रकार हैं।

दृष्टिखेर आईआईटी-भुवनेश्वर, उत्कर्षसाहू आईआईटी-भुवनेश्वर, हिमांशु यादव आईआईटी- भुवनेश्वर, अर्पित उपाध्याय आईआईटी-मुंबई, हरीश कुमार आईआईटी - कानपुर, सुकीर्ति शुक्ला आईआईटी - मद्रास, श्रेया शुक्ला आईआईटी - मद्रास, यशरमानी आईआईटी-दिल्ली, सुकन्यामोरे आईआईटी-गांधीनगर, प्रियागुप्ता आईआईटी-गांधीनगर, नितीश कुमार आईआईटी-गुवाहाटी, ंपिकी सिंह आईआईटी-गुवाहाटी, दीपक प्रसाद आईआईटी-गुवाहाटी, लोकेश सुराणा आईआईटी- हैदराबाद, पार्थभोरे आईआईटी-इंदौर, नीरज सिंह आईआईटी-जम्मू, आज़ाद कुमार आईआईटी-खड़गपुर, प्रिया नंदी

आईआईटीझखड़गपुर, धर्मा गुरम आईआईटी- मंडी, मोनिका मीणा आईआईटीझमंडी, विजय रावत आईआईटीझरुड़की, दोहराजा आईआईटीझरुड़की, उत्कर्षराज आईआईटी-रुड़की, सार्थकवत्स आईआईटीझरोपड़, आयुष श्रीवास्तव आईआईटीझधारवाड़, अमोघ जोशी आईआईटीझभिलाई, आलोक कुमार सेठी आईआईटीझभुवनेशवर, बृजेश कुमार आईआईटी-धनबाद, अभिरामजल्ली आईआईटी-गोवा और शुभमराज आईआईटी - पटना शामिल हैं।

प्रियंका ने वोरा के निधन पर जताया शोक नई दिल्ली 21 दिसंबर (वार्ता) कांग्रेस की वरिष्ठ नेता प्रियंका गांधी वाड़ा ने पार्टी के वरिष्ठ नेता मोती लाल वोरा के निधन पर गहरा शोक प्रकट किया है। वाड़ा ने एक ट्वीट में कहा कि परिवार के एक बुजुर्ग सदस्य चले गए हैं। उन्होंने कहा, “ मोतीलाल वोरा जी के निधन से कांग्रेस पार्टी के हर एक नेता, हर एक कार्यकर्ता को व्यक्तिगत तौर पर दुःख महसूस हो रहा है। वोरा जी कांग्रेस की विचारधारा के प्रति निष्ठा, समर्पण और धैर्य के प्रतीक थे। 92 साल की उम्र में भी हर मीटिंग में उनकी मौजूदगी रही, हर निर्णय पर उन्होंने अपने विचार खुलकर प्रकट किए। आज दुःख भरे दिल से उन्हें अलविदा कहते हुए यह महसूस हो रहा है कि परिवार के एक बड़े बुजुर्ग सदस्य चले गए हैं। हम सब उन्हें बहुत याद करेंगे।”

Date: 23rd December 2020

Media: Swarajaya

Edition: Online

Journalist: NA

Headline: India's Liberalisation In The Space Sector Becomes Big Hit As 22 Indian and 4 Global Firms Send Proposals

URL: <https://swarajyamag.com/insta/indias-liberalisation-in-the-space-sector-becomes-big-hit-as-22-indian-and-4-global-firms-send-proposals>

The Indian National Space Promotion and Authorisation Centre (IN-SPACe), the newly created space regulatory body, has received at least 26 proposals from Indian and foreign firms within months of government opening up the space sector, reports *Times of India*.

The proposals range from approval for ground stations, setting up satellite constellations to making and launching satellites, launch vehicles and providing applications.

US-based Amazon Web Services (AWS) and Bharti Group backed UK-based OneWeb are among the foreign firms that have shown interest in the space sector.

UAE's Archeron Group and Norway's Kongsberg Satellite Service (KSAT) have also sent their proposals to the IN-SPACe.

While AWS has sought permission for "enabling private space business by making available gateway ground stations as a service", the OneWeb has requested to set up a small satellite constellation and provide services.

Meanwhile, the Archeron Group wants assistance for the launching of small satellites and KSAT wants to set up ground stations.

Among the 24 Indian proposals, Tata's NELCO has sought support for technology demonstration of Low-Earth Orbit network services, while L&T wants to "undertake end-to-end role in the small satellite launch vehicle (SSLV)."

Besides, many startups including Astrome Technologies, Pixxel, Dhruva Space from Bengaluru, Agnikul Cosmos from Chennai and Skyroot Aerospace from Hyderabad have sought permissions for satellite production, space-based applications, development and launching of launch vehicles.

Delhi-based MapmyIndia has requested approval for providing services while Bengaluru-based Alpha Design has sought technology for small satellites.

Besides firms, several institutions including Mangaluru's Srinivas Institute of Technology UnitySat, IIT-B, IIT-M and SpaceKidz India have also made proposals with the IN-SPACe.

"The fact that so many Indian firms, both big companies like L&T and Bharti Group and startups are progressing well is encouraging and in line with our PM's vision. Interest from foreign firms like Amazon will also help India become a global space hub," said K Sivan, secretary, Department of Space (DoS).

Date: 23rd December 2020

Media: Prime Times

Edition: Online

Journalist: NA

Headline: Ayodhya Ram Mandir: This is the biggest challenge for temple designers, help called from IITs

URL: <https://www.primetimes.in/news/550655/ayodhya-ram-mandir-this-is-the-biggest-challenge-for-temple-designers-help-called-from-iits/>

The work of digging to lay the foundation for the construction of the Ram Temple in Ayodhya's Ram Janmabhoomi complex will start in January 2021. The foundation work is a challenge for the construction of Ram temple as the area is on the bank of River Saryu and there is gravelly-sandy soil up to 100 feet below the ground.

Due to this, the work of piling is being hampered and to overcome this obstacle, to keep the Ram temple safe for 1,000 years, a team of IIT experts from all over the country is working to prepare the better design of the foundation.

The current and retired experts of IIT-Madras, IIT-Mumbai, IIT-Kanpur, IIT-Delhi, IIT-Guwahati and CBRI Roorkee are engaged in preparing the report. It is believed that the design of the foundation can be finalized in the proposed meeting of Ram Mandir Construction Committee in Delhi by December 29 at the end of 2021.

A meeting was held with Ram Janmabhoomi Tirtha Kshetra Trust, saints and office bearers of Vishwa Hindu Parishad at Karsevak Puram in Ayodhya. In this meeting, a public cooperation work plan for construction of Ram temple was asked to share with the saints and also the progress of construction of Ram temple, said the general secretary of Ram Janma Bhoomi Trust, Champat Rai.

Ram Janmabhoomi Tirtha Kshetra Trust and the government will not acquire the land of other people of Ayodhya. Champat Rai told that there is sandy soil 17 meters below and even after digging further, the soil is not being found. The foundation design is being prepared and the same method is used to build a dam on the river while laying the foundation for the Ram temple.

An underground retaining wall, to stop the flow of water, will be built on 5 acres of land for safekeeping of the Ram temple. Rai said that the Vishwa Hindu Parishad workers will voluntarily meet the President, Vice President and Prime Minister on January 14 for the construction of Ram temple, besides voluntary contribution from the 11 crore families.

Date: 24th December 2020

Media: The New Indian Express

Edition: Online

Journalist: NA

Headline: VHP to seek funds from 3 crore in Telangana for Ram Mandir in Ayodhya

URL: <https://www.newindianexpress.com/states/telangana/2020/dec/24/vhp-to-seek-funds-from-3-crore-in-telangana-for-ram-mandir-in-ayodhya-2240344.html>

Volunteers of the Vishwa Hindu Parishad (VHP) will reach out to three crore people among 40 lakh families in over 9,000 villages across Telangana to seek funds for the construction of the Ram Mandir in Ayodhya.

The outfit has formed a State unit of the Shri Ram Janma Bhoomi Mandir Nirman Nidhi Samarpan Abhiyan to collect donations from devotees. It has also constituted five-member teams which will conduct a door-to-door fundraising campaign from January 15 to February 27. Following the call by the VHP, Dubbaka MLA Raghunandan Rao, who is also a lawyer, has donated `1 crore on behalf of his client, M Ramakrishna.

Addressing a press conference here on Wednesday, Alok Kumar, the central working president of the VHP and national convenor of the Shri Ram Janma Bhoomi Mandir Nirman Nidhi Samarpan Abhiyan, said transparency will be ensured at all levels.

Ram Mandir donors can avail I-T exemption

"The collections will be made by coupons, printed in the denominations of `10, `100, and `1,000. The cash will then be deposited in the State Bank of India, Bank of Baroda or Punjab National Bank within 48 hours. Every depositor will have a registered code number at the nearest branch of one of the three designated banks," he said.

Alok Kumar further said donation of `2,000 or more will accepted and the receipt will be issued to the donor, who can avail an income tax exemption under Section 80 (G) of the Income Tax Act. "Larsen and Toubro is building the Mandir, while Tata Consultancy, IIT-Delhi, IIT-Mumbai, IIT-Chennai, IIT-Guwahati and CBRI-Roorkee will be the engineers for consultation. Dunes of 60-70 feet will be built on the banks of the Sarayu river, which will be a challenge.

There will be a magnificent temple by 2024, which will be built with stone and have a lifetime of 1,000 years. Cement and iron rods will not be used in its construction," he said. Additionally, the Ram Mandir will inspire people to follow Hinduism, he said. "The difference between high and low, untouchability and casteism will vanish from the country. This campaign is to eliminate terrorism and, in essence, we want to bring Ram Rajya," Alok Kumar said.

Date: 24th December 2020

Media: ABP Live

Edition: Online

Journalist: Rishi Gupta

Headline: अयोध्या: राम मंदिर निर्माण की बुनियाद के पिलर नहीं झेल पाये वजन, नये सिरे से विशेषज्ञ कर रहे हैं रिसर्च (Ayodhya: Pillar of foundation of Ram temple construction could not bear weight, experts are doing research afresh)

URL: <https://www.abplive.com/states/up-uk/foundation-pillars-of-ram-temple-unable-to-bear-the-weight-in-ayodhya-ann-1692714>

राम मंदिर के लिए 1200 पिलर्स की जो ड्राइंग तैयार की गई थी वह फिलहाल कामयाब होती नहीं दिख रही है. निर्माण से पहले टेस्टिंग के लिए जब कुछ पिलर सवा सौ फीट गहराई तक डाले गए और उन्हें 28 से 30 दिन तक मजबूती के लिए पकाया गया और फिर उन पर 700 टन का वजन डाला गया तो टेस्टिंग में यह पिलर पूरी तरह फ्लॉप साबित हुए. लिहाजा मंदिर की बुनियाद की पूरी डिजाइन को नए सिरे से बनाया और परखा जा रहा है और इसके लिए देशभर के बड़े विशेषज्ञों को एक साथ बैठकर रिसर्च हो रहा है. यही नहीं, इस बात पर भी रिसर्च हो रहा है कि अगर सरयू ने कभी अपना मार्ग बदल लिया तो उस दशा में मंदिर को नुकसान ना हो, इसके लिए क्या उपाय किए जाएं, अभी तक यह तय हुआ है कि मंदिर के चारों तरफ कंक्रीट की दीवार यानी रिटेनिंग वॉल बनाई जाएगी.

बड़े विशेषज्ञ कर रहे हैं रिसर्च

श्री राम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महासचिव चंपत राय ने हालांकि जनवरी 2021 में राम मंदिर का काम शुरू होने की उम्मीद जताई है, लेकिन राम मंदिर की राह में कितने रोड़े हैं, इसको भी उन्होंने बता दिया है. जहां पर राम मंदिर का निर्माण हो रहा है, उसकी पश्चिम में सरयू नदी बहती है और इसलिए भूमि के भीतर की मिट्टी रिसर्च के दौरान भुरभुरी और बलुई है, इसलिए भुरभुरी बालू में टिकाऊ मंदिर कैसे बने? इसका निर्णय और कंक्रीट की आयु कई शताब्दियों तक कैसे बढ़ाई जाए, देश के बड़े विशेषज्ञ रिसर्च कर रहे हैं.

सरयू नदी के जल प्रवाह पर भी नजर

श्री राम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महासचिव चंपत राय ने जानकारी देते हुये कहा कि, जनवरी में काम शुरू हो जाएगा. उन्होंने बताया कि जहां मंदिर का गर्भ गृह बनना है, उसके पश्चिम में जल का प्रवाह है सरयू बहती है और जिस लेवल पर मंदिर बनना है, उसके नीचे 50 फीट तक गहराई है. जब जमीन के नीचे गए तब पता चला कि 17 मीटर तक भराव है. ओरिजिनल मिट्टी नहीं है. उसके नीचे जाने पर पता लगा कि भुरभुरी बालू है, कुछ भी सॉलिड नहीं है तो भराव और भुरभुरी बालू में पकड़ नहीं आती इसलिए आईआईटी चेन्नई, आईआईटी मुंबई, आईआईटी दिल्ली, आईआईटी गुवाहाटी, सेंट्रल बिल्डिंग रिसर्च इंस्टीट्यूट रुड़की उसके वर्तमान और रिटायर्ड दोनों प्रकार के वैज्ञानिक और प्रोफेसर, टाटा और लार्सन एंड टूब्रो के अनुभवी लोग और हमारे द्वारा नियुक्त किए गए प्रोजेक्ट मैनेजर महाराष्ट्र औरंगाबाद के जगदीश जी सभी मिलकर चर्चा कर रहे हैं. जल का प्रवाह मंदिर को नुकसान ना पहुंचाए इसके लिए क्या करना है, भुरभुरी बालू में टिकाऊ कैसे बने, इसका निर्णय और कंक्रीट की आयु कई शताब्दियों तक कैसे बढ़ाई जाए?

एक तरफ राम मंदिर की बुनियाद में ओरिजनल मिट्टी नहीं मिल रही है और अब तक जितनी खुदाई हुई उसमें भुरभुरी और बलुई मिट्टी मिली. वहीं दूसरी तरफ निर्माण से जुड़ी एजेंसियों को इस बात की भी चिंता है कि निर्माण स्थल से कुछ दूरी पर पश्चिम दिशा में सरयू नदी बहती है. ऐसे में अगर भविष्य में सरयू ने अपना मार्ग बदला जैसा कि सरयू ने पहले भी किया है तो ऐसी दशा में मंदिर को कैसे सुरक्षित रखा जाए? अभी तक इस बात पर निर्णय हो गया है कि मंदिर के चारों तरफ जमीन के भीतर कंक्रीट की वॉल बनाई जाएगी जिससे भविष्य में ऐसी स्थिति आए तो मंदिर को सुरक्षित रखा जा सके.

कई आईआईटी की टीम संयुक्त रूप से कर रही है रिसर्च

अब सवाल यह उठता है कि राम मंदिर निर्माण को लेकर ट्रस्ट और निर्माण एजेंसियों से लेकर विशेषज्ञों के अगले कदम क्या होंगे और अब तक राम मंदिर निर्माण को लेकर हुआ क्या है और इसमें कितनी सफलता हाथ लगी है? सबसे पहले राम मंदिर की बुनियाद स्ट्रक्चर करने के लिए जो डिजाइन बनाई गई उसमें 1200 पिलर जमीन के भीतर 125 फीट गहराई में बोर किए जाएंगे, लिहाजा टेस्टिंग के लिए कुछ पिलर को जमीन के भीतर 125 फीट तक डाला गया उसको पूरी तरह मजबूत होने के लिए 28 से 30 दिन तक छोड़ा गया इसके बाद जब उस पर 700 टन का वजन डाला गया और भूकंप का परीक्षण करने के लिए भूकंप के झटके दिए गए तो इन परीक्षणों के दौरान यह पिलर अपने स्थान से खिसक और मुड़ गए इसी के बाद जिस ड्राइंग पर राम मंदिर का निर्माण किया जाना था उसे रोक दिया गया और नए सिरे से प्लानिंग के लिए आईआईटी दिल्ली आईआईटी गुवाहाटी आईआईटी मुंबई आईआईटी सूरत के वर्तमान और रिटायर्ड प्रोफेसर और वैज्ञानिकों के साथ टाटा और लार्सन और टूब्रो के विशेषज्ञों की एक ज्वाइंट टीम बनाई गई है. इस ज्वाइंट टीम के बीच 15 दिनों तक लगातार आपस में कान्फ्रेंस चलती रही, लेकिन अभी तक कोई नतीजा नहीं निकला है.

ट्रस्ट के महासचिव चंपत राय कहते हैं इसको अच्छे से लेना चाहिए कि योग्य लोग ऐसे ही होते हैं जिनके पास नया विचार आता रहे तो ठहर कर उस पर भी चिंतन करते हैं.

Date: 25th December 2020

Media: Agniban

Edition: Online

Journalist: NA

Headline: अयोध्या : जनवरी में शुरू हो जाएगा श्री राम मन्दिर का निर्माण कार्य (Ayodhya: Construction work of Shri Ram temple will begin in January)

URL: <https://news.agniban.com/ayodhya-construction-work-shri-ram-temple-january/>

राम मंदिर के लिए 1200 पिलर्स की जो ड्राइंग तैयार की गई थी वह फिलहाल कामयाब होती नहीं दिख रही है. निर्माण से पहले टेस्टिंग के लिए जब कुछ पिलर सवा सौ फीट गहराई तक डाले गए और उन्हें 28 से 30 दिन तक मजबूती के लिए पकाया गया और फिर उन पर 700 टन का वजन डाला गया तो टेस्टिंग में यह पिलर पूरी तरह फ्लॉप साबित हुए. लिहाजा मंदिर की बुनियाद की पूरी डिजाइन को नए सिरे से बनाया और परखा जा रहा है और इसके लिए देशभर के बड़े विशेषज्ञों को एक साथ बैठकर रिसर्च हो रहा है. यही नहीं, इस बात पर भी रिसर्च हो रहा है कि अगर सरयू ने कभी अपना मार्ग बदल लिया तो उस दशा में मंदिर को नुकसान ना हो, इसके लिए क्या उपाय किए जाएं, अभी तक यह तय हुआ है कि मंदिर के चारों तरफ कंक्रीट की दीवार यानी रिटेनिंग वॉल बनाई जाएगी.

बड़े विशेषज्ञ कर रहे हैं रिसर्च

श्री राम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महासचिव चंपत राय ने हालांकि जनवरी 2021 में राम मंदिर का काम शुरू होने की उम्मीद जताई है, लेकिन राम मंदिर की राह में कितने रोड़े हैं, इसको भी उन्होंने बता दिया है. जहां पर राम मंदिर का निर्माण हो रहा है, उसकी पश्चिम में सरयू नदी बहती है और इसलिए भूमि के भीतर की मिट्टी रिसर्च के दौरान भुरभुरी और बलुई है, इसलिए भुरभुरी बालू में टिकाऊ मंदिर कैसे बने? इसका निर्णय और कंक्रीट की आयु कई शताब्दियों तक कैसे बढ़ाई जाए, देश के बड़े विशेषज्ञ रिसर्च कर रहे हैं.

सरयू नदी के जल प्रवाह पर भी नजर

श्री राम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महासचिव चंपत राय ने जानकारी देते हुये कहा कि, जनवरी में काम शुरू हो जाएगा. उन्होंने बताया कि जहां मंदिर का गर्भ गृह बनना है, उसके पश्चिम में जल का प्रवाह है सरयू बहती है और जिस लेवल पर मंदिर बनना है, उसके नीचे 50 फीट तक गहराई है. जब जमीन के नीचे गए तब पता चला कि 17 मीटर तक भराव है. ओरिजिनल मिट्टी नहीं है. उसके नीचे जाने पर पता लगा कि भुरभुरी बालू है, कुछ भी सॉलिड नहीं है तो भराव और भुरभुरी बालू में पकड़ नहीं आती इसलिए आईआईटी चेन्नई, आईआईटी मुंबई, आईआईटी दिल्ली, आईआईटी गुवाहाटी, सेंट्रल बिल्डिंग रिसर्च इंस्टीट्यूट रुड़की उसके वर्तमान और रिटायर्ड दोनों प्रकार के वैज्ञानिक और प्रोफेसर, टाटा और लार्सन एंड टूब्रो के अनुभवी लोग और हमारे द्वारा नियुक्त किए गए प्रोजेक्ट मैनेजर महाराष्ट्र औरंगाबाद के जगदीश जी सभी मिलकर चर्चा कर रहे हैं. जल का प्रवाह मंदिर को नुकसान ना पहुंचाए इसके लिए क्या करना है, भुरभुरी बालू में टिकाऊ कैसे बने, इसका निर्णय और कंक्रीट की आयु कई शताब्दियों तक कैसे बढ़ाई जाए?

एक तरफ राम मंदिर की बुनियाद में ओरिजनल मिट्टी नहीं मिल रही है और अब तक जितनी खुदाई हुई उसमें भुरभुरी और बलुई मिट्टी मिली. वहीं दूसरी तरफ निर्माण से जुड़ी एजेंसियों को इस बात की भी चिंता है कि निर्माण स्थल से कुछ दूरी पर पश्चिम दिशा में सरयू नदी बहती है. ऐसे में अगर भविष्य में सरयू ने अपना मार्ग बदला जैसा कि सरयू ने पहले भी किया है तो ऐसी दशा में मंदिर को कैसे सुरक्षित रखा जाए? अभी तक इस बात पर निर्णय हो गया है कि मंदिर के चारों तरफ जमीन के भीतर कंक्रीट की वॉल बनाई जाएगी जिससे भविष्य में ऐसी स्थिति आए तो मंदिर को सुरक्षित रखा जा सके.

कई आईआईटी की टीम संयुक्त रूप से कर रही है रिसर्च

अब सवाल यह उठता है कि राम मंदिर निर्माण को लेकर ट्रस्ट और निर्माण एजेंसियों से लेकर विशेषज्ञों के अगले कदम क्या होंगे और अब तक राम मंदिर निर्माण को लेकर हुआ क्या है और इसमें कितनी सफलता हाथ लगी है? सबसे पहले राम मंदिर की बुनियाद स्ट्रक्चर करने के लिए जो डिजाइन बनाई गई उसमें 1200 पिलर जमीन के भीतर 125 फीट गहराई में बोर किए जाएंगे, लिहाजा टेस्टिंग के लिए कुछ पिलर को जमीन के भीतर 125 फीट तक डाला गया उसको पूरी तरह मजबूत होने के लिए 28 से 30 दिन तक छोड़ा गया इसके बाद जब उस पर 700 टन का वजन डाला गया और भूकंप का परीक्षण करने के लिए भूकंप के झटके दिए गए तो इन परीक्षणों के दौरान यह पिलर अपने स्थान से खिसक और मुड़ गए इसी के बाद जिस ड्राइंग पर राम मंदिर का निर्माण किया जाना था उसे रोक दिया गया और नए सिरे से प्लानिंग के लिए आईआईटी दिल्ली आईआईटी गुवाहाटी आईआईटी मुंबई आईआईटी सूरत के वर्तमान और रिटायर्ड प्रोफेसर और वैज्ञानिकों के साथ टाटा और लार्सन और टूब्रो के विशेषज्ञों की एक ज्वाइंट टीम बनाई गई है. इस ज्वाइंट टीम के बीच 15 दिनों तक लगातार आपस में कान्फ्रेंस चलती रही, लेकिन अभी तक कोई नतीजा नहीं निकला है.

ट्रस्ट के महासचिव चंपत राय कहते हैं इसको अच्छे से लेना चाहिए कि योग्य लोग ऐसे ही होते हैं जिनके पास नया विचार आता रहे तो ठहर कर उस पर भी चिंतन करते हैं.

Date: 24th December 2020

Media: Tarunmitra

Edition: Online

Journalist: NA

Headline: राम मंदिर की सुरक्षा के लिए बनानी होगी रिटेनिंग वॉल (Retaining wall will have to be built for the safety of Ram temple)

URL: <https://tarunmitra.in/archives/350779/rams-to-be-built-for-safety-of-ram-temple/>

राम मंदिर के लिए 1200 पिलर्स की जो ड्राइंग तैयार की गई थी वह फिलहाल कामयाब होती नहीं दिख रही है. निर्माण से पहले टेस्टिंग के लिए जब कुछ पिलर सवा सौ फीट गहराई तक डाले गए और उन्हें 28 से 30 दिन तक मजबूती के लिए पकाया गया और फिर उन पर 700 टन का वजन डाला गया तो टेस्टिंग में यह पिलर पूरी तरह फ्लॉप साबित हुए. लिहाजा मंदिर की बुनियाद की पूरी डिजाइन को नए सिरे से बनाया और परखा जा रहा है और इसके लिए देशभर के बड़े विशेषज्ञों को एक साथ बैठकर रिसर्च हो रहा है. यही नहीं, इस बात पर भी रिसर्च हो रहा है कि अगर सरयू ने कभी अपना मार्ग बदल लिया तो उस दशा में मंदिर को नुकसान ना हो, इसके लिए क्या उपाय किए जाएं, अभी तक यह तय हुआ है कि मंदिर के चारों तरफ कंक्रीट की दीवार यानी रिटेनिंग वॉल बनाई जाएगी.

बड़े विशेषज्ञ कर रहे हैं रिसर्च

श्री राम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महासचिव चंपत राय ने हालांकि जनवरी 2021 में राम मंदिर का काम शुरू होने की उम्मीद जताई है, लेकिन राम मंदिर की राह में कितने रोड़े हैं, इसको भी उन्होंने बता दिया है. जहां पर राम मंदिर का निर्माण हो रहा है, उसकी पश्चिम में सरयू नदी बहती है और इसलिए भूमि के भीतर की मिट्टी रिसर्च के दौरान भुरभुरी और बलुई है, इसलिए भुरभुरी बालू में टिकाऊ मंदिर कैसे बने? इसका निर्णय और कंक्रीट की आयु कई शताब्दियों तक कैसे बढ़ाई जाए, देश के बड़े विशेषज्ञ रिसर्च कर रहे हैं.

सरयू नदी के जल प्रवाह पर भी नजर

श्री राम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महासचिव चंपत राय ने जानकारी देते हुये कहा कि, जनवरी में काम शुरू हो जाएगा. उन्होंने बताया कि जहां मंदिर का गर्भ गृह बनना है, उसके पश्चिम में जल का प्रवाह है सरयू बहती है और जिस लेवल पर मंदिर बनना है, उसके नीचे 50 फीट तक गहराई है. जब जमीन के नीचे गए तब पता चला कि 17 मीटर तक भराव है. ओरिजिनल मिट्टी नहीं है. उसके नीचे जाने पर पता लगा कि भुरभुरी बालू है, कुछ भी सॉलिड नहीं है तो भराव और भुरभुरी बालू में पकड़ नहीं आती इसलिए आईआईटी चेन्नई, आईआईटी मुंबई, आईआईटी दिल्ली, आईआईटी गुवाहाटी, सेंट्रल बिल्डिंग रिसर्च इंस्टीट्यूट रुड़की उसके वर्तमान और रिटायर्ड दोनों प्रकार के वैज्ञानिक और प्रोफेसर, टाटा और लार्सन एंड टूब्रो के अनुभवी लोग और हमारे द्वारा नियुक्त किए गए प्रोजेक्ट मैनेजर महाराष्ट्र औरंगाबाद के जगदीश जी सभी मिलकर चर्चा कर रहे हैं. जल का प्रवाह मंदिर को नुकसान ना पहुंचाए इसके लिए क्या करना है, भुरभुरी बालू में टिकाऊ कैसे बने, इसका निर्णय और कंक्रीट की आयु कई शताब्दियों तक कैसे बढ़ाई जाए?

एक तरफ राम मंदिर की बुनियाद में ओरिजिनल मिट्टी नहीं मिल रही है और अब तक जितनी खुदाई हुई उसमें भुरभुरी और बलुई मिट्टी मिली. वहीं दूसरी तरफ निर्माण से जुड़ी एजेंसियों को इस बात की भी चिंता है कि निर्माण स्थल से कुछ दूरी पर पश्चिम दिशा में सरयू नदी बहती है. ऐसे में अगर भविष्य में सरयू ने अपना मार्ग बदला जैसा कि सरयू ने पहले भी किया है तो ऐसी दशा में मंदिर को कैसे सुरक्षित रखा जाए? अभी तक इस बात पर निर्णय हो गया है कि मंदिर के चारों तरफ जमीन के भीतर कंक्रीट की वॉल बनाई जाएगी जिससे भविष्य में ऐसी स्थिति आए तो मंदिर को सुरक्षित रखा जा सके.

कई आईआईटी की टीम संयुक्त रूप से कर रही है रिसर्च

अब सवाल यह उठता है कि राम मंदिर निर्माण को लेकर ट्रस्ट और निर्माण एजेंसियों से लेकर विशेषज्ञों के अगले कदम क्या होंगे और अब तक राम मंदिर निर्माण को लेकर हुआ क्या है और इसमें कितनी सफलता हाथ लगी है? सबसे पहले राम मंदिर की बुनियाद स्ट्रक्चर करने के लिए जो डिजाइन बनाई गई उसमें 1200 पिलर जमीन के भीतर 125 फीट गहराई में बोर किए जाएंगे, लिहाजा टेस्टिंग के लिए कुछ पिलर को जमीन के भीतर 125 फीट तक डाला गया उसको पूरी तरह मजबूत होने के लिए 28 से 30 दिन तक छोड़ा गया इसके बाद जब उस पर 700 टन का वजन डाला गया और भूकंप का परीक्षण करने के लिए भूकंप के झटके दिए गए तो इन परीक्षणों के दौरान यह पिलर अपने स्थान से खिसक और मुड़ गए इसी के बाद जिस ड्राइंग पर राम मंदिर का निर्माण किया जाना था उसे रोक दिया गया और नए सिरे से प्लानिंग के लिए आईआईटी दिल्ली आईआईटी गुवाहाटी आईआईटी मुंबई आईआईटी सूरत के वर्तमान और रिटायर्ड प्रोफेसर और वैज्ञानिकों के साथ टाटा और लार्सन और टूब्रो के विशेषज्ञों की एक ज्वाइंट टीम बनाई गई है. इस ज्वाइंट टीम के बीच 15 दिनों तक लगातार आपस में कान्फ्रेंस चलती रही, लेकिन अभी तक कोई नतीजा नहीं निकला है.

ट्रस्ट के महासचिव चंपत राय कहते हैं इसको अच्छे से लेना चाहिए कि योग्य लोग ऐसे ही होते हैं जिनके पास नया विचार आता रहे तो ठहर कर उस पर भी चिंतन करते हैं.

Date: 24th December 2020

Media: The Hindu

Edition: Online

Journalist: NA

Headline: Neyveli Plant boiler blast | NGT directs Centre to undertake safety audit of thermal power stations

URL: <https://www.thehindu.com/news/national/tamil-nadu/neyveli-plant-boiler-blast-ngt-directs-centre-to-undertake-safety-audit-of-thermal-power-stations/article33411094.ece>

Taking note of the boiler blast at Neyveli Lignite Power Plant in Tamil Nadu, the National Green Tribunal (NGT) has directed the Centre to undertake safety audit of thermal power stations throughout the country within six months in order to avoid incidents arising out of the leakage of hazardous gases. A Bench headed by NGT Chairperson Justice Adarsh Kumar Goel passed the order after taking note of a report submitted by a committee constituted by it.

According to the report, the cause of the incident is failure of the staff handling the situation which did not have the knowledge of the standard operating procedure and of the process.

"The staff was not given due training and requisite work permits. Thus, the occupier, the head of the operation and maintenance and the safety officer are mainly responsible for the accident. There is a violation of safety norms under Section 38 of the Factories Act, 1948. There is also a violation of the Manufacture, Storage, Import of Hazardous Chemicals Rules, 1989. In the process, the hazardous gases are generated, attracting the said Rules," the Bench noted.

The committee also told the NGT that it is mandatory to prepare on-sight and off-sight emergency plan and holding of mock drills once in six months.

Standard operating procedure has not been followed nor appropriate training given to the staff handling the process, the report said adding that the safety protocols have not been followed.

"We direct the Secretaries, Ministries of Power and Coal, Government of India, in coordination with such other Departments/Institutions as may be necessary, to undertake safety audit of similarly placed thermal power stations, throughout the country expeditiously, preferably within six months, to avoid recurrence of such incidents in future," the Bench said.

The green panel also directed the power plant to adopt all safety measures which may be regularly monitored and audited by teams of experts on the subject and also by the Regulators.

The tribunal had earlier slapped an interim penalty of ₹5 crore on NLC India Limited in connection with a **boiler blast at Neyveli Lignite Power Plant** in Tamil Nadu in which 13 workers died and 10 were injured on July 1.

The NGT had also constituted an independent committee comprising of the Central Pollution Control Board, Tamil Nadu Pollution Control Board, District Magistrate, Cuddalore, NEERI and IIT Chennai to visit the site and ascertain facts taking into account the version of the industrial unit and other stakeholders. Thirteen persons were killed and 10 others injured when a boiler exploded at the NLC India's thermal plant on July 1. Tamil Nadu Pollution Control Board filed a report mentioning that the industry has seven boiler units to produce electric power of 1470 MW.

The mishap occurred at the fifth unit of the thermal power station-II (210 MWx7) when workers were in the process of resuming operations on July 1.

Date: 24th December 2020

Media: Hindustan Times

Edition: Online

Journalist: Harshit Sabarwal

Headline: NGT directs Power, Coal ministries to undertake safety audit of thermal power stations

URL: <https://www.hindustantimes.com/india-news/ngt-directs-power-coal-ministries-to-undertake-safety-audit-of-thermal-power-stations/story-m9tldRyGaX48ONeULpQTQO.html>

The National Green Tribunal (NGT) has directed secretaries of ministries of Power and Coal to undertake safety audit of thermal power stations throughout the country expeditiously, preferably within six months, to avoid recurrence of incidents like Tamil Nadu Neyveli boiler blast in future.

The NGT bench headed by its chairperson Justice Adarsh Kumar Goel directed remedial measures to be adopted for future.

“We also direct the Secretaries, ministries of Power and Coal, Government of India, in coordination with such other Departments/Institutions as may be necessary, to undertake safety audit of similarly placed thermal power stations, throughout the country expeditiously, preferably within six months, to avoid recurrence of such incidents in future,” the NGT said.

The Tribunal remark came after observing a report filed before it where it was stated that the cause of the incident in Tamil Nadu Neyveli boiler blast was the failure of the staff handling the situation who did not have the knowledge of the 28 SOPs and of the process and the staff was not given due training and requisite work permits.

The NGT was also informed that the compensation has been paid to the victims as per direction. However, the NGT refrained from directing retirement of the unit but said that all safety measures may be duly adopted which may be regularly monitored and audited by teams of experts on the subject and also by the Regulators.

Proceedings in the matter were initiated on the basis of a news report relating to Tamil Nadu Neyveli boiler blast, which killed 6 people and 17 injured in July this year.

Date: 24th December 2020
Media: The Economic Times
Edition: Online
Journalist: NA

Headline: Neyveli Plant boiler blast: NGT directs Centre to undertake safety audit of thermal power stations

URL: <https://economictimes.indiatimes.com/industry/energy/power/ngt-directs-secretaries-of-power-coal-ministries-to-undertake-safety-audit-of-thermal-power-stations/articleshow/79938070.cms>

Taking note of the boiler blast at Neyveli Lignite Power Plant in Tamil Nadu, the National Green Tribunal (NGT) has directed the Centre to undertake safety audit of thermal power stations throughout the country within six months in order to avoid incidents arising out of the leakage of hazardous gases. A Bench headed by NGT Chairperson Justice Adarsh Kumar Goel passed the order after taking note of a report submitted by a committee constituted by it.

According to the report, the cause of the incident is failure of the staff handling the situation which did not have the knowledge of the standard operating procedure and of the process.

"The staff was not given due training and requisite work permits. Thus, the occupier, the head of the operation and maintenance and the safety officer are mainly responsible for the accident. There is a violation of safety norms under Section 38 of the Factories Act, 1948. There is also a violation of the Manufacture, Storage, Import of Hazardous Chemicals Rules, 1989. In the process, the hazardous gases are generated, attracting the said Rules," the Bench noted.

The committee also told the NGT that it is mandatory to prepare on-sight and off-sight emergency plan and holding of mock drills once in six months.

Standard operating procedure has not been followed nor appropriate training given to the staff handling the process, the report said adding that the safety protocols have not been followed.

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The green panel also directed the power plant to adopt all safety measures which may be regularly monitored and audited by teams of experts on the subject and also by the Regulators.

The tribunal had earlier slapped an interim penalty of ₹5 crore on NLC India Limited in connection with a **boiler blast at Neyveli Lignite Power Plant** in Tamil Nadu in which 13 workers died and 10 were injured on July 1.

The NGT had also constituted an independent committee comprising of the Central Pollution Control Board, Tamil Nadu Pollution Control Board, District Magistrate, Cuddalore, NEERI and IIT Chennai to visit the site and ascertain facts taking into account the version of the industrial unit and other stakeholders. Thirteen persons were killed and 10 others injured when a boiler exploded at the NLC India's thermal plant on July 1. Tamil Nadu Pollution Control Board filed a report mentioning that the industry has seven boiler units to produce electric power of 1470 MW.

The mishap occurred at the fifth unit of the thermal power station-II (210 MWx7) when workers were in the process of resuming operations on July 1.

Date: 24th December 2020

Media: The NewsMinute

Edition: Online

Journalist: NA

Headline: NGT directs safety audit in all thermal power plants after Neyveli boiler blast

URL: <https://www.thenewsminute.com/article/ngt-directs-safety-audit-all-thermal-power-plants-after-neyveli-boiler-blast-140297>

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Date: 24th December 2020

Media: News Click

Edition: Online

Journalist: NA

Headline: Neyveli Boiler Blast: NGT Tells Centre to Conduct Safety Audit of All Thermal Power Stations in 6 Months

URL: <https://www.newsclick.in/neyveli-boiler-blast-NGT-tells-centre-conductaf-sety-audit-All-thermal-power-stations-6-months>

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Date: 25th December 2020

Media: Devdiscourse

Edition: Online

Journalist: NA

Headline: Neyveli Plant boiler blast:NGT directs Centre to undertake safety audit of thermal power stations

URL: <https://www.devdiscourse.com/article/business/1382540-neyveli-plant-boiler-blastngt-directs-centre-to-undertake-safety-audit-of-thermal-power-stations>

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Date: 24th December 2020

Media: The Greater India

Edition: Online

Journalist: NA

Headline: Neyveli Plant boiler blast | NGT directs Centre to undertake security audit of thermal energy stations

URL: <https://thegreaterindia.in/trending-stories/neyveli-plant-boiler-blast-ngt-directs-centre-to-undertake-safety-audit-of-thermal-power-stations/>

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Date: 24th December 2020

Media: The Hindu

Edition: Online

Journalist: Khushhal Kaushik

Headline: How safe are you, online?

URL: <https://www.thehindu.com/education/why-cybersecurity-should-be-a-part-of-the-regular-it-curriculum/article33411402.ece>

Using computers and Internet technologies without understanding the basics of cybersecurity is akin to driving a car without seatbelts. Though Information Technology as a discipline has been popular for decades, cybersecurity as a structured curriculum is a relatively recent phenomenon.

Although India has emerged as a software services-based power, the country is on its way to reinventing itself as a software product-making power as well. At the same time, as a major economy consistently recording one of the fastest growth rates, notwithstanding COVID-19, coupled with the large-scale digitisation of various modes of governance and administration, the imperative to upgrade our cybersecurity cannot be overstated. As such, the world's second largest Internet-connected country needs to train a sufficient pool of cyber warriors to deflect and deal with the rising threats posed to its IT-driven product and service infrastructure and systems.

Clear the confusion

Often there is confusion between cybersecurity and network security. Although both are a subset of the broader information security, traditionally network security, which is a regular part of the IT curriculum, can be considered closest to the growing field of cybersecurity. As part of B. Tech or BE, M.Tech and MSc courses, along with topics such as software engineering, software testing, network engineering, hardware assembly, testing, network security as a separate topic was taught in colleges and universities.

The difference between the two is that, while the network has been envisaged to secure the integrity of the IT infrastructure including hardware and software of an organisation, cybersecurity pertains to protecting Internet-connected systems and networks from digital attacks to access, alter, or sabotage sensitive information; extort money; or interrupt normal business processes, according to Cisco. Therefore, while the former involves provisioning and administration of components such as network-monitoring tools, firewalls, switches, routers and virtual private networks (VPNs), the latter entails monitoring of networks to detect security breaches, installation and updating of safety software and simulation of attacks to identify vulnerabilities.

The difference in the definitions and the scope of work therein is fairly self-explanatory and clarifies the need for a separate and more structured course on cybersecurity. Furthermore, as the sheer volume of traffic on the Internet multiplies with the recent burst of Internet of Things (IoT) and the enhanced uptake of smartphones, the need to fortify cyber defences has become even more pressing.

Courses

Although not quite enough to meet the surge in demand, there has been a flurry of specialised and standalone courses on cybersecurity introduced by the government and private players. Ranging from part-time and distance learning to online mode, with varied provisions for certificate, diploma and degree programmes, these courses are popular among students and professionals. The pandemic-driven shift to online education and the subsequent rise of online education portals and the rising cybersecurity threat during the lockdown has given a renewed impetus to this trend. Apart from top universities, some of the foremost IT companies are also offering courses and programmes in cybersecurity.

According to a popular education sector tracking website, there are 204 colleges, both government and private, that offer programmes in cybersecurity at the undergraduate and postgraduate levels. The government has instructed the National Institute of Electronics and Information Technology, a body under the aegis of Ministry and Electronics & Information Technology, to launch courses on cybersecurity. Some other government-backed initiatives include an online PG diploma programme in cyber law and crime investigation and digital forensics by the National e-Governance Division in partnership with National Law Institute University, Bhopal. The Indian Institute of Information technology and Management, Kerala, also runs a programme under the aegis of the state government. In April this year, IIT-Madras launched Certified Cyber Warriors v.3.0 course. The themes include security architecture, web and mobile application security, ethical hacking fundamentals, web technologies, cloud security, remote work security, smart devices security, IoT security, online shopping security, cyber fraud, cyber pornography, cyber terrorism, among others.

Need for more cybersecurity professionals

However, against an estimated demand for a million cybersecurity experts, India has less than 10,000 professionals. Therefore, it is time that cybersecurity as a specialised discipline becomes an integral component of any IT syllabus being taught within our university systems as well as outside. At the same time, we also need to strengthen the foundations of our human resources by improving the quality of our STEM graduates.

Date: 24th December 2020

Media: First Post

Edition: Online

Journalist: Ambi Parameswaran

Alumni: Mr. Sridhar Vembu

Headline: Jobs in 2021: With tech taking centrestage, 'gap year' 2020 is likely to force professionals to reinvent themselves

URL: <https://www.firstpost.com/india/jobs-in-2021-with-tech-taking-centrestage-gap-year-2020-is-likely-to-force-professionals-to-reinvent-themselves-9143831.html>

The concept of a 'gap year' is unheard of in India. I remember a friend who had joined IIT Madras with me, taking a gap year when we hit the last semester. He took six years to graduate but unlike many of us, he stayed true to his chosen discipline of Mechanical Engineering.

That was in college. What about a 'gap year' for a professional? Most HR executives while interviewing candidates do not look kindly at a gap in the resume. This is generally viewed as being unemployed after being sacked from the previous job.

But [COVID-19](#) has, in fact, made 2020 a gap year for all of us. Many sectors have seen wholesale layoffs. Several careers have hit a wall.

Millennials, in particular, have had a forced gap year. "There is no guarantee that a gap year will reveal a young person's true calling," writes Chetan Mahajan in his [column](#) in *Business Line*. "But at least one will be treating an adult like an adult, and making them responsible for their future. In the process, the youth may escape a rut and discover true joy."

Unfortunately, the forced gap year has not been a year of epiphany for all. That is a missed opportunity. Even now it is not too late to use the slower pace of work and #WorkFromHome as an opportunity to discover and learn new things.

As a B-School Dean mentioned in a webinar, be ready to answer the question, "What did you do during 2020 that you would not have done any time else?" It could have been taking a new course on Digital Marketing or learning to play the guitar from a digital guru. But be ready to answer the question, was his advice to his students and alumnus.

As the fear of the pandemic eases, new workplace norms will emerge and new skills will be in great demand.

"Technology will play a much larger role across different verticals — from manufacturing to logistics to healthcare to education and more," said Nasscom president Debjani Ghosh in an [interview](#) with *Business Line*.

Work from anywhere

The application of technology and work from home or work from anywhere is going to bring IT services to the centre of the organisational ecosystem. Tools have to be created and implemented to safeguard company confidentiality at the same time facilitate smooth working. So if you are in IT, be ready to become more innovative and agile.

Millennials have taken to work from home like a duck to water. A poster child for this generation is the founder of Zoho, Sridhar Vembu. True to his company, which is about enabling digital work culture, he has been running a multi-billion dollar global corporation from his remote village in Tamil Nadu.

In other words, the next phase of work from home is work from anywhere. Why work in pollution-afflicted Gurgaon when you can do the same from a nice little cottage in Goa?

Zoom fatigue is a reality, with many people I spoke with wanting to get back to their offices. But there are also a large number of white-collar workers who want to continue this #WFH and #WFA culture.

Reinventing HR

This brings to focus on what the office will be like in June 2021. HR departments in companies have been going through challenging times. Employees have been complaining of attending not just work-related Zoom meetings but also motivational Zoom meetings and cringe-worthy 'antakshari' sessions organised by HR teams. Where will HR draw the line?

Also, work from home is not easy for all employees. Some have had serious logistical issues like finding a quiet place to work. Working women have had a trying time juggling school classes for their kids and attending to office duties. Millennials are anxious about losing their job (out of sight, out of mind).

HR teams may therefore have to figure out new ways of monitoring organisational 'mental' health.

The pandemic has also created new opportunities in HR. Training, which was a neglected child, has got a new boost with the benefit of remote learning. I see this getting new wings in 2021. HR departments now have the opportunity of delivering on their goal of seven or nine days of training for all employees. This used to be a lofty goal in the past, but now it can really happen.

In a [global survey](#) done by Lenovo on 'Technology and The Evolving World of Work' — covering 20,000 people in 10 countries including India — 72 percent of the Gen Y and Gen Z said that they were more productive working from home. And 75 percent of those interviewed from India said they would continue to work from home.

This is going to pose new challenges to HR heads. How do you create a company culture and social capital if people hate coming to work? New work systems may have to be created.

For example, will it now be the job of HR to create employees' bubbles in several parts of a big city and encourage get-togethers, parties, jogging, and trekking expeditions?

Companies are also now clear that having a 'gap year' on your resume does not disqualify you. Some corporates have even put down a policy for 'Boomerang Placements'. This is a new phenomenon where you hire back employees who you let go as recently as 18 months earlier.

So keeping in mind that you may be head-hunted by your past employer for a boomerang hire, be sure not to burn any bridges. And keep in touch with all your old colleagues.

Jobs in 2021 will be different from jobs in 2019. Some features of jobs will be very new. Some may vanish altogether. But some will remain for the next 10 or 20 years, particularly the use of digital technology, use of the internet for remote working, projectisation of work and dissipation of corporate culture.

The smart employee will be able to find solutions to ride these changes. And smart employers will be able to adapt to these changes, even build a new definition of the corporate culture.

Date: 26th December 2020

Media: Jammu Links

Edition: Online

Journalist: NA

Headline: Lt Governor addresses BHU IIT Chennai Chapter Malaviya Jayanti Celebrations-2020

URL: <http://www.jammulinksnews.com/newsdetail/241001/Jammu-Links-News->

[Lt Governor addresses BHU IIT Chennai Chapter Malaviya Jayanti Celebrations-2020](#)

Lieutenant Governor, Manoj Sinha addressed BHU IIT Chennai Chapter Malaviya Jayanti Celebrations-2020 through the virtual mode from Raj Bhavan here today. While addressing the alumni of Banaras Hindu University from India and abroad, the Lt Governor paid heartfelt tributes to Bharat Ratna, Pandit Madan Mohan Malaviya Ji on his birth anniversary. Expressing his sentiments on the day, the Lt Governor said - I am emotional today not only because of my deep connection with the BHU but because we are all carrying the fragrance of Mahamana inside. I have heard that some initiatives were taken by the BHU in the recent past to organize workshops to carry forward Mahamana's vision on Prachya Vidya. It is our collective responsibility to carry forward his vision, said the Lt Governor. Speaking on the life of Pandit Madan Mohan Malaviya, the Lt Governor observed that Mahamana was a great orator, having vast knowledge of English as well as Sanskrit and he diligently worked for unity, communal harmony, and welfare of all sections of the society. The Lt Governor observed that when Mahamana laid the foundation stone of BHU on 14 February 1916, he was thinking about the growth of the country, Industrialization, restructuring the society, and education. He was a visionary who realized the importance of modern education and the study of science and engineering to the overall development of the country and mankind. Today BHU contributes to development across the globe by providing much sought-after manpower in the engineering sector. Thanks to the vision and foresight of Mahamana that we have not just been able to write our own development story but have made ourselves relevant to the world, the Lt Governor maintained. The Lt Governor observed that Pandit Madan Mohan Malaviya Ji knew that independence would be meaningless unless we simultaneously prepared ourselves to build a new India. He wanted to make use of the latest scientific and technological knowledge to move on the path of development. But for his vision, it would not have been possible for our stagnating agricultural sector to bear the burden of the ever-growing population. "Pandit Madan Mohan Malaviya Ji was of the firm opinion that for a strong nation, one requires strong Industry, and for a strong Industry, one requires a strong educational system. It was his understanding of the economy that shaped the vision for new India. On his birth anniversary, I would like to call upon the Engineering fraternity to rise to the 'AatmaNirbhar' call of Hon'ble Prime Minister Narendra Modi ji", asserted the Lt Governor. While outlining Pandit Ji's visionary approach, the Lt Governor remarked that we owe Industrialization of much of 20th-century progress to Pandit Madan Mohan Malaviya Ji. He had envisioned an 'AatmaNirbhar Bharat' while suggesting that Indians must be provided with adequate administrative equipment and reliable scientific and technical advice. Underlining the significant role of Engineering Fraternity, the Lt Governor observed that the world post-Covid-19 will require cutting edge innovation. We need to realize the potential of engineers & the Engineering Fraternity and must make a concerted effort to promote cloud computing, artificial intelligence, blockchain technology, digital literacy, cyber security to drive this nation to become self-reliant. We need young talents inspired and driven by a thirst for knowledge and an inquiring mind to break the new grounds in technology and innovation. We should constantly remind ourselves that all pioneers of science and engineers who had guided the country through tough times, advocated for continuous experiments in technology, he said. There is a close bond between BHU and India. And, the core of this deep relationship is the spirit, love, compassion, and vision of Mahamana. We also need to contribute to society and the country by working out mechanisms on how to structure engineering educational institutions. That will be a true tribute to our great Mahamana, observed the Lt Governor.

Date: 26th December 2020

Media: Kashmir Images

Edition: Online

Journalist: NA

Headline: Lt Governor addresses BHU IIT Chennai Chapter Malaviya Jayanti Celebrations-2020

URL: <https://thekashmirimages.com/2020/12/26/lt-governor-addresses-bhu-iit-chennai-chapter-malaviya-jayanti-celebrations-2020/>

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Date: 26th December 2020

Media: Dailyexcelsior

Edition: Online

Journalist: NA

Headline: LG pays rich tributes to Pandit Madan Mohan Malaviya on birth anniversary

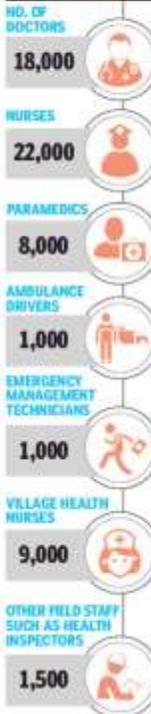
URL: <https://www.dailyexcelsior.com/lg-pays-rich-tributes-to-pandit-madan-mohan-malaviya-on-birth-anniversary/>

Lieutenant Governor, Manoj Sinha addressed BHU IIT Chennai Chapter Malaviya Jayanti Celebrations-2020 through the virtual mode from Raj Bhavan here today. While addressing the alumni of Banaras Hindu University from India and abroad, the Lt Governor paid heartfelt tributes to Bharat Ratna, Pandit Madan Mohan Malaviya Ji on his birth anniversary. Expressing his sentiments on the day, the Lt Governor said - I am emotional today not only because of my deep connection with the BHU but because we are all carrying the fragrance of Mahamana inside. I have heard that some initiatives were taken by the BHU in the recent past to organize workshops to carry forward Mahamana's vision on Prachya Vidya. It is our collective responsibility to carry forward his vision, said the Lt Governor. Speaking on the life of Pandit Madan Mohan Malaviya, the Lt Governor observed that Mahamana was a great orator, having vast knowledge of English as well as Sanskrit and he diligently worked for unity, communal harmony, and welfare of all sections of the society. The Lt Governor observed that when Mahamana laid the foundation stone of BHU on 14 February 1916, he was thinking about the growth of the country, Industrialization, restructuring the society, and education. He was a visionary who realized the importance of modern education and the study of science and engineering to the overall development of the country and mankind. Today BHU contributes to development across the globe by providing much sought-after manpower in the engineering sector. Thanks to the vision and foresight of Mahamana that we have not just been able to write our own development story but have made ourselves relevant to the world, the Lt Governor maintained. The Lt Governor observed that Pandit Madan Mohan Malaviya Ji knew that independence would be meaningless unless we simultaneously prepared ourselves to build a new India. He wanted to make use of the latest scientific and technological knowledge to move on the path of development. But for his vision, it would not have been possible for our stagnating agricultural sector to bear the burden of the ever-growing population. "Pandit Madan Mohan Malaviya Ji was of the firm opinion that for a strong nation, one requires strong Industry, and for a strong Industry, one requires a strong educational system. It was his understanding of the economy that shaped the vision for new India. On his birth anniversary, I would like to call upon the Engineering fraternity to rise to the 'AatmaNirbhar' call of Hon'ble Prime Minister Narendra Modi ji", asserted the Lt Governor. While outlining Pandit Ji's visionary approach, the Lt Governor remarked that we owe Industrialization of much of 20th-century progress to Pandit Madan Mohan Malaviya Ji. He had envisioned an 'AatmaNirbhar Bharat' while suggesting that Indians must be provided with adequate administrative equipment and reliable scientific and technical advice. Underlining the significant role of Engineering Fraternity, the Lt Governor observed that the world post-Covid-19 will require cutting edge innovation. We need to realize the potential of engineers & the Engineering Fraternity and must make a concerted effort to promote cloud computing, artificial intelligence, blockchain technology, digital literacy, cyber security to drive this nation to become self-reliant. We need young talents inspired and driven by a thirst for knowledge and an inquiring mind to break the new grounds in technology and innovation. We should constantly remind ourselves that all pioneers of science and engineers who had guided the country through tough times, advocated for continuous experiments in technology, he said. There is a close bond between BHU and India. And, the core of this deep relationship is the spirit, love, compassion, and vision of Mahamana. We also need to contribute to society and the country by working out mechanisms on how to structure engineering educational institutions. That will be a true tribute to our great Mahamana, observed the Lt Governor.

YEAR-ENDER The Covid-19 Infection That Kept People Indoors For Most Of 2020 Helped Government Hospitals Step Up Their Game With Improved Services And Better Infrastructure At Affordable Prices. With The Battle Far From Over, Healthcare Policies Will Be Front And Centre This Poll Season

Virus as catalyst: When health added heft

TN'S COVID BRIGADE



Pushpa Narayan@timesgroup.com

While Covid-19 has disrupted all sense of normalcy over the past year, it has proved a boon to Tamil Nadu's healthcare system. In the last eight months, the state added 10,000 beds, 3,000 ventilators, CT scanners, enhanced oxygen capacity in public hospitals, and set up 2,000 rural clinics.

More than 1.3 crore people have so far undergone RT-PCR tests for Covid-19, 45% in the 47 government labs. More than three-fourths of the Covid-19 test kits were admitted to government facilities.

"This infrastructure and experience will stay for years after the pandemic ends. At the government hospitals, by offering free and quality treatment, the state will be able to bring down out-of-pocket expenditure on health," said health secretary J Harishankar.

"With all these new facilities, we expect footfalls at all government hospitals to increase. This will prevent complications and deaths from all diseases," he said.

On March 7, Tamil Nadu recorded the first case of Covid-19 and soon, with the Tablighi Jamaat and Kovilambath clusters, the infection spread widely into the community. Within weeks, Tamil Nadu had the highest case tally and deaths after Maharashtra. As the infection's peak in August, the state had more than 50,000 active cases occupying more than 90% of beds in hospitals.

Despite some underreporting and mishandling of certain situations, the state's scientific, cultural, political and administrative apparatus worked when it needed to.

With no vaccine to stop the virus and no drug of choice, health officials, along with epidemiologists, infectious diseases experts and pulmonologists, rolled out an action plan to ensure behavioural change and increase testing. "Those with symptoms or high risk exposure were isolated and tested. We stuck to RT-PCR tests since chances of false negatives were higher in antigen testing. We are seeing results



today," said director of public health Dr T S Selvarajayagam.

When fresh cases in neighbouring states such as Kerala continue to peak at around 6,000 a day, Tamil Nadu managed to bring down daily cases from an average of 5,000 in

STEPPING INTO 2021 HEALTH

August to a little more than 1,000 by the year-end. Private hospitals in the state also raised the bar - several Covid-19 patients from across the country were flown to Chennai for critical care and lung transplant surgeries. Many hospitals were a part of international research on drugs, treatment protocols and management of the viral infection.

Public health experts, however, are more interested in how this will shape health care policies. "For the

first time, health will be the centre of poll debates and campaigns. While the ruling party will boast about the strengths and opportunities, the opposition will bring out the weaknesses and threats. Discussions will lead to better allocation of funds towards public healthcare, judicious use of resources and people-friendly health care policies," said IITM professor of humanities and social science Dr V R Muraleedharan. "It will also create better public awareness."

And in the midst of poll din, by the first quarter of 2021, the state will begin vaccinating healthcare and other frontline workers against the viral infection. They will also make a time list of people such as the elderly and people with comorbid conditions so they can be prioritised for the vaccine during the second phase.

But, epidemiologists say, vaccines may still not end the epidemic. As the state gears up to unlock schools and colleges, the case tally could rise. Many children and young adults may get infected, though they may remain asymptomatic or have mild symptoms. But the danger of transmission to vulnerable group such as the elderly at home or those with comorbidities. The vaccine may not be available to the vulnerable groups until April.

"Hopefully with all the expertise the state now has, we will be able to detect and isolate cases early and offer therapy that can minimise morbidity and mortality," said National Institute of Epidemiology deputy director Dr Prabhdeep Kaur. "More than anything else, we will be able to lead a better quality of life with the new normal."

FOR THE FIRST TIME, HEALTH WILL BE THE CENTRE OF POLL DEBATES AND CAMPAIGNS... DISCUSSIONS WILL LEAD TO BETTER ALLOCATION OF FUNDS TOWARDS PUBLIC HEALTHCARE & JUDICIOUS USE OF RESOURCES - Dr V R Muraleedharan | @vrmurales

LIGHT BEHIND THE CLOUDS

In just eight months, the state has added 10,000 beds and enhanced oxygen capacity in public hospitals



Date: 28th December 2020

Media: The Economic Times (clip attached)

Edition: New Delhi / Mumbai

Page No: 5

Journalist: Brinda Sarkar

Headline: L&T Looks to Recruit 1.100 Engineer Trainees in 21

URL: <https://economictimes.indiatimes.com/industry/indl-goods/svs/engineering/It-plans-to-hire-1100-engineers-across-business-verticals-in-2021/articleshow/79975246.cms>

L&T Looks to Recruit 1,100 Engineer Trainees in '21

Brinda.Sarkar@timesgroup.com

Bengaluru: L&T Group is looking to hire about 1,100 graduate and post-graduate engineer trainees next year.

The new recruits will be deployed in critical roles like business development, strategy, design, contract management, project management and construction management, among others.

The company has already released around 250 offers to students from multiple Indian Institutes of Technology (IITs), including IIT Madras, IIT Guwahati, IIT BHU, IIT Bombay, IIT Delhi, IIT Roorkee, among others.

The conglomerate continued to hire from institutes throughout the Covid-19 pandemic and introduced its internally built online hiring platform to facilitate 100% remote recruitment.

The employees will be put through a three-week induction programme, which inducts fresh talent into the business and functional aspects of the organisation and imparts experiential learning and hands-on technical sessions.

L&T plans to hire 1,100 engineers across business verticals in 2021

PNS ■ NEW DELHI

Engineering and construction conglomerate Larsen & Toubro (L&T) is looking to recruit close to 1,100 graduate and post graduate engineer trainees in 2021 and deploy them across various business verticals, a top company official has said.

The company, through its ongoing virtual hiring process, has already made around 250 offers in the recent hiring season at premium education institutes like IIT Madras, IIT Guwahati, IIT BHU, IIT Bombay, IIT Delhi, IIT Roorkee, IIT Kharagpur, IIT (ISM) Dhanbad, IIT Hyderabad and other IITs.

"L&T not only offers Graduate and Post Graduate Engineer Trainees (GETs & PGETs) continuous learning opportunities and a growth path but also gives them immense satisfaction to work on projects that are high on the top of national or global pecking order," company's chief executive and managing director S N Subrahmanyan told PTL.

In 2021, it is planning to hire 1,100 engineers and has already made offers to 250



IITians, he said.

Every year, the company recruits around 1,100 plus engineers, 90 per cent of which belongs to premier institutes like IITs, NITs, and top government engineering colleges, the company said.

During this pandemic year also, the company has kept its momentum of hiring from best of the institutes and has introduced its internally built online hiring platform to facilitate 100 per cent remote recruitment, Subrahmanyan said.

"The Graduate Engineer Training (GET) programme has several alumni and leaders serving in leadership positions at the company. This signature programme known for

its selection rigour has very high aspirational value in the best campuses across the country," added Subrahmanyan.

The entire hiring process of L&T is digital and remote, including the testing process which is conducted with the help of remote proctoring tool which monitors the test based on 14 parameters. The platform used for hiring has been developed internally by the company.

The company said this hired talent will be put to an internally developed induction program for over three weeks.

The programme inducts talent into business and functional aspects of L&T and imparts experiential learning and hands-on technical sessions.

Date: 28th December 2020
Media: The Telegraph (clip attached)
Edition: Kolkata
Page No: 9
Journalist: NA

Headline: L&T to hire 1100 engineers

URL: <https://www.telegraphindia.com/business/larsen-toubro-It-to-hire-1100-engineers/cid/1801852>

L&T plans to hire 1,100 in 2021

NEW DELHI

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1,100 plus engineers, 90 per cent of which belongs to premier institutes like IITs, NITs, and top government engineering colleges, the company said. During this pandemic year also, the company has kept its momentum of hiring from best of the institutes and has introduced its internally built online hiring platform to facilitate 100 per cent remote recruitment, Subrahmanyam said.

The entire hiring process of L&T is digital and remote, including the testing process which is conducted with the help of remote proctoring tool. PTI

Date: 28th December 2020

Media: Business Standard-Hindi (clip attached)

Edition: New Delhi / Kolkata

Page No: 2

Journalist: NA

Headline: L&T will appoint 1,100 engineers

1,100 इंजीनियर नियुक्त करेगी लार्सन ऐंड टूब्रो

लार्सन ऐंड टूब्रो (एलऐंडटी) 2021 में करीब 1,100 इंजीनियर प्रशिक्षुओं की नियुक्ति करेगी। स्नातक और स्नातकोत्तर इंजीनियर प्रशिक्षुओं की यह नियुक्ति समूह की विभिन्न इकाइयों के लिए की जाएगी। कंपनी करीब 250 उम्मीदवारों को नौकरी की पेशकश पहले ही कर चुकी है। ये नियुक्तियां आईआईटी मद्रास, आईआईटी गुवाहाटी, आईआईटी बीएचयू, आईआईटी बंबई, आईआईटी दिल्ली, आईआईटी रुड़की, आईआईटी खड़गपुर, आईआईटी धनबाद, आईआईटी हैदराबाद और अन्य आईआईटी संस्थानों से की गई है।

भाषा

Date: 28th December 2020

Media: Rashtriya Sahara (clip attached)

Edition: New Delhi

Page No: 11

Journalist: NA

Headline: L&T will make appointments

नियुक्तियां करेगी एलएंडटी

नई दिल्ली। इंजीनियरिंग और निर्माण क्षेत्र की कंपनी लार्सन एंड टूब्रो (एल एंड टी) 2021 में करीब 1,100 इंजीनियर प्रशिक्षुओं की नियुक्ति करेगी। स्नातक और स्नात्कोत्तर इंजीनियर प्रशिक्षुओं की यह नियुक्ति समूह की विभिन्न इकाइयों के लिये की जाएगी। कंपनी आनलाइन नियुक्ति प्रक्रिया के तहत करीब 250 उम्मीदवारों को नौकरी की पेशकश पहले ही कर चुकी है। ये नियुक्तियां हाल में आईआईटी (भारतीय प्रौद्योगिकी संस्थान) मद्रास, आईआईटी गुवाहाटी, आईआईटी बीएचयू, आईआईटी बाम्बे, आईआईटी दिल्ली, आईआईटी रुड़की, आईआईटी खड़गपुर, आईआईटी (आईएसएम) धनबाद, आईआईटी हैदराबाद और अन्य आईआईटी संस्थानों से की गई है।

Date: 27th December 2020

Media: Outlook

Edition: Online

Journalist: NA

Headline: L&T plans to hire 1,100 engineers across business verticals in 2021

URL: <https://www.outlookindia.com/newscroll/lt-plans-to-hire-1100-engineers-across-business-verticals-in-2021/2000025>

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The company, through its ongoing virtual hiring process, has already made around 250 offers in the recent hiring season at premium education institutes like IIT Madras, IIT Guwahati, IIT BHU, IIT Bombay, IIT Delhi, IIT Roorkee, IIT Kharagpur, IIT (ISM) Dhanbad, IIT Hyderabad and other IITs.

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During this pandemic year also, the company has kept its momentum of hiring from best of the institutes and has introduced its internally built online hiring platform to facilitate 100 per cent remote recruitment, Subrahmanyan said.

"The Graduate Engineer Training (GET) programme has several alumni and leaders serving in leadership positions at the company. This signature programme known for its selection rigour has very high aspirational value in the best campuses across the country," added Subrahmanyan.

The entire hiring process of L&T is digital and remote, including the testing process which is conducted with the help of remote proctoring tool which monitors the test based on 14 parameters. The platform used for hiring has been developed internally by the company.

The company said this hired talent will be put to an internally developed induction program for over three weeks.

The programme inducts talent into business and functional aspects of L&T and imparts experiential learning and hands-on technical sessions.

This is also an opportunity for these youngsters to interact with the senior leadership of L&T and get acquainted with the strategy and core values of the organisation.

Despite pandemic-related challenges, the company kept its commitment and completed over three-week virtual induction process for all freshly hired GETs & PGETs of 2020 batch through digital and remote mode in August 2020, the company said.

"The efforts to hire the best and develop its talent is complimented by numerous career opportunities that the L&T Group provides to its employees. The diversity of businesses and the scale of operations, with its wide array of high and mighty complex engineering, construction, technology, defence and

services projects, indeed opens up multiple domain avenues for career growth for its employees," Subrahmanyam said.

This acquired pool of talent will be deployed in critical roles like business development, strategy, design, contract management, project management and construction management to mention a few. In this pandemic period also, the company said it has continued its culture of acquiring the best entry level talent and groom it further to usher in nation building through engineering and construction. PTI
NAM MKJ

Date: 27th December 2020

Media: PTI

Edition: Online

Journalist: NA

Headline: L&T plans to hire 1,100 engineers across business verticals in 2021

URL: http://www.ptinews.com/news/12065313_L-amp-T-plans-to-hire-1-100-engineers-across-business-verticals-in-2021.html

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Date: 27th December 2020

Media: Yahoo

Edition: Online

Journalist: NA

Headline: L&T plans to hire 1,100 engineers across business verticals in 2021

URL: <https://in.finance.yahoo.com/news/l-t-plans-hire-1-054700350.html>

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NAM MKJ

Date: 28th December 2020

Media: The Hindu Business Line

Edition: Online

Journalist: NA

Headline: L&T plans to hire 1,100 engineers in 2021

URL: <https://www.thehindubusinessline.com/companies/lit-plans-to-hire-1100-engineers-in-2021/article33434455.ece>

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Date: 27th December 2020

Media: The Economic Times- HR world

Edition: Online

Journalist: NA

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URL: <https://hr.economictimes.indiatimes.com/news/workplace-4-0/recruitment/It-plans-to-hire-1100-engineers-across-business-verticals-in-2021/79975891>

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In 2021, it is planning to hire 1,100 engineers and has already made offers to 250 IITians, he said. Every year, the company recruits around 1,100 plus engineers, 90 per cent of which belongs to premier institutes like IITs, NITs, and top government engineering colleges, the company said.

During this pandemic year also, the company has kept its momentum of hiring from best of the institutes and has introduced its internally built online hiring platform to facilitate 100 per cent remote recruitment, Subrahmanyan said.

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This acquired pool of talent will be deployed in critical roles like business development, strategy, design, contract management, project management and construction management to mention a few. In this pandemic period also, the company said it has continued its culture of acquiring the best entry level talent and groom it further to usher in nation building through engineering and construction. PTI
NAM MKJ

Date: 28th December 2020

Media: The Economic Times- Energy World

Edition: Online

Journalist: NA

Headline: L&T plans to hire 1,100 engineers across business verticals in 2021

URL: <https://energy.economictimes.indiatimes.com/news/power/lt-plans-to-hire-1100-engineers-across-business-verticals-in-2021/79984581>

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NAM MKJ

Date: 27th December 2020

Media: TV9

Edition: Online

Journalist: NA

Headline: कोरोना संकट के बावजूद नए साल में 1100 नए इंजीनियर्स की हायरिंग करेगी यह कंपनी (Despite Corona crisis, this company will hire 1100 new engineers in the new year)

URL: <https://www.tv9hindi.com/business/It-will-hire-1100-new-engineers-in-2021-amid-coronavirus-pandemic-429053.html>

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NAM MKJ

Date: 27th December 2020

Media: India TV

Edition: Online

Journalist: NA

Headline: L&T plans to hire 1,100 engineers across business verticals in 2021

URL: <https://www.indiatvnews.com/news/india/l-t-jobs-hiring-1100-engineers-vacancies-business-verticals-2021-larsen-toubro-employment-674262>

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NAM MKJ

Date: 27th December 2020

Media: Mint

Edition: Online

Journalist: NA

Headline: L&T plans to hire 1,100 engineers across business verticals next year

URL: <https://www.livemint.com/companies/news/l-t-plans-to-hire-1-100-engineers-across-business-verticals-next-year-11609049475077.html>

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NAM MKJ

Date: 27th December 2020

Media: Business Today

Edition: Online

Journalist: NA

Headline: L&T plans to hire 1,100 engineers across business verticals in 2021

URL: <https://www.businesstoday.in/current/corporate/lt-plans-to-hire-1100-engineers-across-business-verticals-in-2021/story/426151.html>

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NAM MKJ

Date: 28th December 2020

Media: DT Next

Edition: Online

Journalist: NA

Headline: L and T plans to recruit 1,100 engineers across verticals in 2021

URL: <https://www.dtnext.in/News/Business/2020/12/28005652/1268555/L-and-T-plans-to-recruit-1100-engineers-across-verticals-.vpf>

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NAM MKJ

Date: 27th December 2020

Media: Devdiscourse

Edition: Online

Journalist: NA

Headline: L&T plans to hire 1,100 engineers across business verticals in 2021

URL: <https://www.devdiscourse.com/article/business/1384912-lt-plans-to-hire-1100-engineers-across-business-verticals-in-2021>

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NAM MKJ

Date: 27th December 2020

Media: Latestly

Edition: Online

Journalist: NA

Headline: L&T Plans to Hire 1,100 Engineers Across Business Verticals in 2021

URL: <https://www.latestly.com/agency-news/latest-news-lt-plans-to-hire-1100-engineers-across-business-verticals-in-2021-2231249.html>

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NAM MKJ

Date: 28th December 2020

Media: The Hill Times

Edition: Online

Journalist: NA

Headline: L&T plans to hire 1,100 engineers across business verticals in 2021

URL: <https://www.thehillstimes.in/business-2/It-plans-to-hire-1100-engineers-across-business-verticals-in-2021/>

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NAM MKJ

Date: 28th December 2020

Media: Orissa Post

Edition: Online

Journalist: NA

Headline: Don't miss! This company plans to hire over 1,000 engineers soon

URL: <https://www.orissapost.com/dont-miss-this-company-plans-to-hire-over-1000-engineers-soon/>

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NAM MKJ

Date: 28th December 2020

Media: Business Journal

Edition: Online

Journalist: NA

Headline: L&T plans to hire 1,100 engineers across business verticals in 2021 -Business Journal

URL: <https://business-journal.in/jobs/lt-plans-to-hire-1100-engineers-across-business-verticals-in-2021-business-journal/>

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NAM MKJ

Date: 28th December 2020

Media: News Track Live

Edition: Online

Journalist: P C Thomas

Headline: Larsen & Toubro to hire 1100 engineers

URL: <https://english.newstracklive.com/news/larsen--toubro-to-hire-1100-engineers-sc74-nu318-ta318-1136975-1.html>

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NAM MKJ

Date: 27th December 2020

Media: The Greater India

Edition: Online

Journalist: NA

Headline: Hiring for engineers: L&T plans to rent 1,100 engineers throughout enterprise verticals in 2021

URL: <https://thegreaterindia.in/news/national/hiring-for-engineers-lt-plans-to-hire-1100-engineers-across-business-verticals-in-2021/>

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NAM MKJ

Date: 27th December 2020

Media: Pehal News

Edition: Online

Journalist: NA

Headline: L&T plans to hire 1,100 engineers across business verticals in 2021

URL: <https://www.pehalnews.in/lt-plans-to-hire-1100-engineers-across-business-verticals-in-2021/396014/>

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मंदिर निर्माण पर 1100 करोड़ का खर्च और लगेंगे साढ़े तीन साल

नागपुर, (पंजाब केसरी): अयोध्या में राम मंदिर परिसर के निर्माण पर लगभग 1100 करोड़ रुपये का खर्च आने का अनुमान है, जिसमें मुख्य ढांचा का खर्च भी शामिल है और इसके साढ़े तीन वर्षों में पूरा होने की उम्मीद है। यह जानकारी परियोजना की देखरेख कर रहे न्यास के कोषाध्यक्ष ने सोमवार को दी।

श्रीराम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के कोषाध्यक्ष स्वामी गोविंद देव गिरिजी महाराज ने कहा कि मंदिर की आधारशिला के लिए ढांचा विशेषज्ञ और इंजीनियर योजना बना रहे हैं।

उन्होंने यहां संवाददाता सम्मेलन को संबोधित करते हुए कहा कि राम मंदिर के मुख्य ढांचे के निर्माण पर 300 से 400 करोड़ रुपये खर्च होने का अनुमान है जबकि पूरे परिसर के निर्माण पर "1100 करोड़ रुपये से कम का खर्च नहीं आएगा।" संत ने कहा, "लेकिन ये सब आकलन है।"

गिरिजी महाराज ने कहा कि मंदिर का निर्माण शुरू हो गया है और आईआईटी बंबई, दिल्ली, मद्रास, गुवाहाटी के विशेषज्ञ तथा केंद्रीय भवन अनुसंधान संस्थान,



आधारशिला के लिए इंजीनियर योजना बनाने में जुटे

परियोजना की देखरेख कर रहे न्यास के कोषाध्यक्ष ने दी जानकारी : धन जुटाने के लिए समाज के सभी तबकों का सहयोग लिया जाएगा

रूड़की के विशेषज्ञ एवं एलएंडटी तथा टाटा समूह के इंजीनियर परिसर के मजबूत आधार की योजना तैयार कर रहे हैं। उन्होंने कहा, "मंदिर की आधारशिला के लिए दिए गए विकल्पों पर कल की बैठक (न्यास के) में चर्चा होगी (और अंतिम चयन किया जाएगा)।" गिरिजी महाराज ने कहा, "इसके अलावा हम चार

लाख गांवों और 11 करोड़ परिवारों तक पहुंच रहे हैं ताकि इस पहल में समाज के सभी तबकों की भागीदारी हो सके।" न्यास ने मंदिर के निर्माण के लिए व्यापक स्तर पर संपर्क एवं धन जुटाने के अभियान की घोषणा की है। कुछ दिनों पहले चंदा जुटाने के लिए विदर्भ क्षेत्रीय कार्यालय की शुरुआत की गई।"

Date: 28th December 2020

Media: ETV Bharat

Edition: Online

Journalist: NA

Headline: राम मंदिर निर्माण समिति की बैठक आज, नींव की डिजाइन पर लग सकती है मुहर (Ram temple construction committee meeting today, foundation design may be approved)

URL: <https://react.etvbharat.com/hindi/delhi/bharat/meeting-of-shri-ram-temple-construction-committee-of-ayodhya/na20201229065710902>

श्रीराम मंदिर निर्माण समिति की आज दिल्ली में बैठक होने जा रही है. बैठक में मंदिर की नींव की डिजाइन को फाइनल कर लिया जाएगा. इस निर्णय में देश के भव्य और प्राचीन मंदिरों के निर्माण की शैली को भी ध्यान में रखा जाएगा.

राम मंदिर की नींव की रिपोर्ट तैयार करने में जुटे विशेषज्ञ

आईआईटी चेन्नई, मुंबई, कानपुर, दिल्ली, गुवाहाटी और सीबीआरआई रुड़की के मौजूदा और रिटायर्ड विशेषज्ञ एक हजार साल तक टिकने वाले राम मंदिर के नींव की रिपोर्ट तैयार करने में जुटे हुए हैं. माना जा रहा है कि 29 दिसंबर को राम मंदिर निर्माण समिति की दिल्ली में प्रस्तावित बैठक में नींव की डिजाइन को तय कर लिया जाएगा.

महामंत्री चंपत राय और सदस्य डॉ अनिल मिश्र दिल्ली रवाना

बैठक में शामिल होने के लिए श्रीराम जन्मभूमि तीर्थ क्षेत्र ट्रस्ट के महामंत्री चंपत राय और सदस्य डॉ अनिल मिश्र दिल्ली रवाना हो गए हैं. चंपत राय के अनुसार मंदिर के नींव के लिए पहले एक हजार 200 पिलर बननी थी. कुछ पिलर्स का निर्माण कर परीक्षण किया गया. इस दौरान उस पर 700 टन का वजन डाला गया और भूकंप के धक्के भी दिए गए. इंजीनियरिंग के हिसाब से जैसा व्यवहार उस पिलर्स के टेस्ट से अपेक्षित था, वैसा रिजल्ट नहीं मिला.

'जनवरी 2021 में मंदिर की रखी जाएगी नींव'

आपको बता दें श्रीराम जन्मभूमि परिसर में रामलला के मंदिर की नींव रखने का काम जनवरी 2021 में होना है. यह क्षेत्र सरयू नदी के किनारे होने से जमीन के 100 फिट नीचे तक भुरभुरी मिट्टी मिल रही है. इस वजह से नींव के काम में बाधा आ रही है. देश भर के निर्माण विशेषज्ञ की टीम नींव की बेहतर डिजाइन तैयार करने में जुटी है.

Date: 29th December 2020

Media: The Hitavada

Edition: Online

Journalist: NA

Headline: 'Ram Temple at Ayodhya to be built in three-and-a-half years'

URL: <https://www.thehitavada.com/Encyc/2020/12/29/-Ram-Temple-at-Ayodhya-to-be-built-in-three-and-a-half-years-.html>

The Ram Mandir will be built in Ayodhya through people's participation. We have planned to reach to 11 crore families in four lakh towns in the country and ask for donations for the construction of Ram Mandir in Ayodhya," said Govind Dev Giri Maharaj, Treasurer of Shriram Janmabhoomi Teerthkshetra Trust. Addressing a press conference here on Monday at the Press Club, Govind Dev Giri Maharaj said, "The Shri Ram Mandir in Ayodhya was demolished in 1528. The Shriram Janmabhoomi freedom movement has completed five centuries and more than three lakh devotees of Lord Rama sacrificed their lives to rebuild the temple of Lord Ram in Ayodhya.

Now, the day has come when the ardent devotees of Lord Ram could fulfil their long cherished dream of construction of Ram Mandir. The trust has decided not to take donations from the Governments as well as any businessman. The temple will be built through participation of each and every person in India. Let the common man or the last person of this country should feel proud for his smallest participation in the construction of Shri Ram Temple." Giri said, "The temple will be completed within three to three and half years. The construction committee has asked the experts from IIT Roorkee, IIT Mumbai, IIT Chennai, IIT Guwahati, IIT Delhi, CBRI Roorkee, Larsen and Toubro and Tata to finalise the drawing of a strong foundation of the structure of the temple. After receiving the reports of these experts the decision to construct the temple will be taken.

The structure of foundation would be decided. No cement pillars would be used. The complete temple would be built with stone and each floor would be for 20 ft high, 360 ft long and 235 ft wide." The construction of the temple will require Rs 300 crore to Rs 400 crore and the development of entire premises along with the temple will require Rs 1,100 crores. To raise the amount required for the completion of Ram Mandir, the trust has started a nationwide fund raising and house to house contact campaign from January 15 to February 28, he added. Vidarbha Prant, Shriram Janmabhoomi Teerthakshetra Nidhi Samarpan and Gruha Samparka Campaign will be held under the leadership of Govind Shende. Devnathpeethadhishwar Jitendranath Maharaj is a president of the Vidarbha prant committee and Chief of the Vidarbha Prant Campaign is Govind Shende.

The committee for Nagpur city for implementation of the campaign has been formed under the leadership of Bhagirath Maharaj while Prashant Titare is the city chief of the campaign. The committees formed would collect the funds with help of donation coupons of Rs 10, Rs 100 and Rs 1000 and receipt books for higher donations. The volunteers will go house to house and collect the funds. With the help of coupons, the picture of Shri Ram Mandir would reach to every person in the society, Shende stated. Prant Campaign Chief, Govind Shende; City vice president of the campaign committee, Rajesh Loya; joint chief, Ravindra Bokare; Nagpur city chief of the campaign, Prashant Titare, campaign promotion chief, Niranjan Risaldar, treasurer, Vinay Changde also were present at the press conference.

Date: 28th December 2020

Media: Tha Hans India

Edition: Online

Journalist: NA

Professor: Prof V Jagadeesh Kumar

Headline: Warangal: Experts dwell on technology

URL: <https://www.thehansindia.com/news/cities/warangal/warangal-experts-dwell-on-technology-664198>

Research enhances teachers' proficiency in the curriculum and keeps them up to date in regard with the newest developments, Prof V Jagadeesh Kumar, IIT Madras. He attended as the chief guest at the AICTE-sponsored Faculty Development Programme (FDP) organised by the Department of Electronics & Communication Engineering (ECE), Kakatiya Institute of Technology & Science Warangal (KITSW) here on Monday. Also Read - Anywhere Operations, the new tech trend of 2021 ADVERTISEMENT The two-week FDP is to focus on 'Hands on project-based approach for biomedical signal analysis using MATLAB'. Delivering a keynote address on 'Analytical modelling and its application for non-invasive measurements', he highlighted the importance of integrating research into teaching. He said that the FDP will provide an opportunity to highlight recent trends and developments in the field of biomedical signal processing. It will further give impetus on bringing out newer and efficient techniques, he added. Also Read - Internet of Behaviours-the next big tech trend? ADVERTISEMENT Rajya Sabha member Capt V Laxmikantha Rao, who is also the Secretary & Correspondent of KITSW, highlighted the importance of journals, projects and innovations to be taken up by the students. Principal & Co-ordinator of the FDP Prof K Ashoka Reddy highlighted the significance of mini and major projects at UG level. He told the participants to make use of this FDP to produce good projects at UG, PG and research levels. Dr B Rama Devi, J Sheshgiri Babu, P Yugander, Prof G Raghotham Reddy and PRO Dr. D Prabhakara Chary were among others present.

Date: 28th December 2020

Media: Hindustan

Edition: Online

Journalist: NA

Headline: 2021 के अंत तक शुरू हो सकती है 5जी नेटवर्क सेवा, सरकार के आदेश का इंतजार (5G network service may start by end of 2021, awaiting government order)

URL: <https://smart.livehindustan.com/kanpur/news/5g-network-service-may-start-by-end-of-2021-awaiting-government-order-81609151674423.html>

आज के आधुनिक दौर में तेज नेटवर्क और हाईस्पीड इंटरनेट की मांग तेजी से बढ़ती जा रही है. भारत में 4 जी नेटवर्क सेवा के बाद अब 5जी नेटवर्क साल 2021 के आखिर तक लॉन्च हो जाएगा. देश में 5जी नेटवर्क लॉन्च हो जाने से सेकेंडों में मूवी डाउनलोड होगी तो वहीं गांव में बैठे व्यक्ति के वीडियो कॉल में रुकावट नहीं आएगी. ट्राई के सदस्य और IIT कानपुर के निदेशक प्रो. अभय करंदीकर का कहना है कि 5जी को लेकर सभी तैयारी पूरी है. अब इंतजार है तो स्पेक्ट्रम की नीलामी का.

उन्होंने बताया कि 5जी नेटवर्क पर सरकार ने अभी कोई फैसला नहीं लिया है. सरकार के फैसला लेते ही विभिन्न टेलीकॉम कंपनियां अपने 5जी मोबाइल व सिम बाजार में उतारना शुरू कर देंगी. 5जी को लेकर ट्राई के सदस्यों के बीच लगातार बैठकों का दौर जारी है. 5जी के लिए पूरी दुनिया के मल्टीपल वेंडर्स ने सेलफॉस और बेस स्टेशन बना लिए हैं.

प्रो. अभय करंदीकर ने बताया कि 5जी के इनोवेशन को लेकर IIT कानपुर के अलावा IIT बांबे, आईआईटी मद्रास, आईआईटी दिल्ली, आईआईएससी बेंगलुरु में भी लैब स्थापित की गई है. इसके साथ ही कानपुर 5जी का बेस स्टेशन बनाया गया है. 5जी आने के बाद ब्रॉडबैंड स्पीड दस गुना तक बढ़ जाएगी. कॉल में बार-बार डिसकनेक्शन की समस्या खत्म हो जाएगी. इस सेवा से वर्क फ्रॉम होम में लोगों को सबसे अधिक फायदा मिलेगा.

Date: 28th December 2020

Media: The Quint

Edition: Online

Journalist: Dr. Leena Wadia

Headline: NEP: Why Flexibility of FYUP Will Benefit Students in the Long Run

URL: <https://www.thequint.com/voices/opinion/nep-2020-four-year-under-graduate-programme-not-compulsory-is-an-advantage#read-more>

The NEP 2020 is a transformational policy and not an incremental one, which means that the pathways for moving from the ground realities of the present education system towards the future envisaged by the policy are complex and varied.

The policy outlines a clear vision for higher education in India in the future and makes the necessary reforms to help achieve this vision, but leaves it up to educators, educationists, and the managements of Higher Education Institutions (HEIs) to imbibe the spirit of the policy and chart their own pathways towards realising the vision.

The vision includes enabling students to receive a holistic education by helping them identify and develop their interests and abilities, beginning already at the secondary school stage.

Towards a Liberal Framework

Introducing the option of a Four-Year Undergraduate Programme (FYUP) is but a natural step forward in this direction. The FYUP has been very successful in many countries and its benefits have been described in detail in the DNEP 2019.

Within the framework of a liberal education, the FYUP can help to develop all capacities of students – intellectual, aesthetic, social, physical, emotional and moral.

Additionally, it can also give students a broad exposure that prepares them for the long term in a rapidly changing employment landscape.

Indian students need to be liberated from the restrictive subject combinations that are available to them at the present time so that they can explore more widely before settling into their chosen disciplines.

The additional year is necessary to help students find the appropriate balance between time spent in exploration of disciplines and time spent acquiring sufficient expertise in their chosen disciplines, and optionally also taking up a research project.

Apart from students who are uncertain about their disciplinary interests, other groups that will benefit immensely from the FYUP include those who are likely to take up further studies at the graduate level potentially leading to a career in research, and also aspiring teachers in higher education for whom a Masters' degree is a minimum qualification.

Grounded in Research

Arguably, the most important reason to introduce the FYUP is the space that it will create for students to pursue undergraduate research, thereby helping to nurture a culture of research in colleges and universities, which is a pressing need in the country today given that knowledge economies rely critically on the continuous creation of new knowledge.

The NEP incentivises FYUP students to take up research by enabling direct admission to PhD programmes.

However, the policy is cognisant of the fact that there is very little research being done within the university system today and that both faculty members and students will require considerable support to be able to change this.

The new National Research Foundation will not just fund high-quality peer-reviewed research proposals but will provide mentorship to faculty members and students from experienced researchers.

A Flexible Approach to FYUP

The FYUP has not been made mandatory at all, either for institutions to offer it or for students to take it, if and when it is offered. There are several reasons for this, but costs and the ability of many HEIs to deliver are two of the most important.

The Bachelors' degree is an aspirational goal in India but the additional cost of paying for a fourth year of education may be too high for many students.

Therefore, the policy empowers HEIs to offer both 3-year and 4-year Bachelors' degrees and also flexible length Masters' degree (1-year, 2-years, and the integrated 5-years) programmes.

Most of the undergraduate education takes place in the nearly 40,000 affiliated colleges in the country and many of these are unlikely to be able to offer the FYUP given that nearly 40% of colleges offer only a single programme and over 60% of colleges are in rural areas (data from AISHE 2018-19).

However, the present 3-year programmes require considerable upgradation, as is evident from the employability figures which are in the range of 35%-45% for most of them

Of Research & Internships, Not Coursework

The NEP 2020 has left it to HEIs and their faculty members to take an informed decision on whether they would like to introduce the FYUP at all and if yes to devise a suitable plan for doing so.

The approximately 750 autonomous colleges in the country and the non-affiliating universities that are highly accredited can most easily introduce the FYUP and provide a wider choice of subjects to students by bringing down the barriers between their different undergraduate programmes.

However, the purpose of the FYUP would not be fully served if the additional year were to be used only for more coursework, albeit in a wider range of subjects.

The value of the FYUP will only come to the fore when research, projects, portfolios, internships, apprenticeships and so on are all woven into course design and the evaluation of students.

This will require considerable additional work by faculty members. It is important therefore, that all faculty positions are filled on priority and that managements of HEIs involve faculty members at all stages of decision-making regarding the FYUP.

Date: 28th December 2020

Media: Yahoo

Edition: Online

Journalist: NA

Headline: NEP: Why Flexibility of FYUP Will Benefit Students in the Long Run

URL: <https://in.news.yahoo.com/nep-why-flexibility-fyup-benefit-142535932.html>

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Date: 29th December 2020

Media: Yourstory

Edition: Online

Journalist: Sindhu Kashyaap

Alumni: Swapnil Jain

Headline: [Techie Tuesday] It's all about logic and building something you can use: Ather's Swapnil Jain on smart EVs

URL: <https://yourstory.com/2020/12/techie-tuesday-ev-startup-ather-energy-swapnil-jain-entrepreneurship>

Can a scooter become a part of our lives like smartphones and smart home devices Alexa and Google Home have? That was one of the driving forces for **Swapnil Jain** to set up **Ather Energy** in 2013 with **Tarun Mehta**.

For Swapnil, technology is all about using logic to make things work in a chaotic world. The Chief Technology Officer of Ather, along with his team, **developed the core technology and deep-tech of the Internet of Things (IoT) device for Ather's electric vehicles (EV)**.

A pass out of IIT Madras' engineering design course, Swapnil completed a Master's in the subject from the same institute in 2012.

The first engineer in the family

A native of Mumbai, Swapnil developed an interest in science and technology early on. "I was one of the few people in my family who was interested in science. I always found the subject fascinating," he says. Swapnil's father works with the Central Railway and his mother is a homemaker. Swapnil found out about IIT by chance: At home, "there wasn't any talk of engineering", he says. "I was already in Class XI then and there wasn't enough time to prepare for JEE, as the curriculum was different and more extensive (than that at school)."

Eventually, he joined **IIT Madras** in 2007. There, Swapnil says, he found a bunch of like-minded folks, who were building technology and electrical products for prospective customers. It was also there that he met Tarun and they started testing and building products together.

"We both believed that technology could be a strong disruptor in the energy segment," Swapnil says. "We were working on energy projects using solar power and kept tinkering with different ideas."

What's the best part about engineering design and electronic technology? It "explains a lot of things, it helps you build things from scratch", he says. "It is a way of expressing in a very systematic and logical way. It has a way of making you easily understand everything happening around you. There is nothing ambiguous about it."

A love for tinkering

A love for tinkering led Swapnil to intern with **Bharat Heavy Electricals Ltd (BHEL)** in Bengaluru in 2011. There, he designed and fabricated a test rig intended for accelerated simulation of the boiler slag deposition. This test rig would later help BHEL evaluate the boiler coats developed to prevent slag formation.

The project involved drawing up and evaluating various concepts, performing simulations and, based on their outcomes, finalising the design, prototyping and testing of different samples.

After the internship, Swapnil continued working with Tarun on different projects and ideas. Both of them wanted to start their own venture together, but reckoned work experience was important. Swapnil joined **General Motors (GM)**, where he built chaise shields and online pedestrian systems.

"My stint at GM gave me an understanding about how automotive machines are built. It gave me an understanding of systems, engines and working on building an automotive production line," says Swapnil.

Even at that time, Swapnil says, he and Tarun hoped to build a startup focused on IoT and tech. “In our jobs, we weren’t building anything from scratch. The thrill was missing. Tarun had started researching about traditional and electric vehicles, and there was a lot that could be done in the automotive world using technology. We were looking at pioneers like Tesla and how they were using technology in the automotive industry, and we figured we needed that in India as well.”

Taking the entrepreneurial plunge

Swapnil says that in 2013, he and Tarun felt it was the right time to start up and bet on building something. “We were young then and it was a good time to take the plunge.” They first thought of building battery packs, but realised that vehicles needed innovation.

“Most of the tech that goes into building an EV isn’t made in India, so we were looking to build a deep tech IoT device out of India,” says Swapnil. “There is no R&D (research and development) in India. Our aim was to build the best product and not a compromised one... to build the best two-wheelers... The idea was to build an intelligent electric vehicle and not turn a conventional, fossil fuel-run IC (internal combustion) vehicle into an electric one. We wanted to attract the mass market of two-wheelers, not a niche clientele.”

To make this happen, they needed the right team and talent. Building the technology was a challenge because at every stage there were hurdles. “Fixing the electronics, the mechanical part of it, and the cloud has its challenges,” says Swapnil. “So we need people who are flexible. Everyone has good technical skills; it is about how to get things done. They need to be adaptable and have a strong fundamental understanding of systems.”

Smart moves

All the tech for Ather—the vehicle, data, app and charging stations—is connected to the cloud, says Swapnil. The data grid has been designed to enable fast charging, ease of use and accessibility. In effect, it takes care of payment, security and safety, he says. The app shows users the available charging locations and the health of the vehicle, including when it needs to be serviced, among other things.

“We knew we had to build systems that could read the drivers’ usage patterns and ability, give them information on the same and also provide remote diagnostics,” explains Swapnil.

Data on terrain, patterns of riding and vehicle maintenance are all captured. The diagnostics looks for anomalies. **There are 40-45 sensors on the vehicle that gather data such as battery temperature, voltage, accelerometer, gyroscope, and GPS.** The team has since designed and built a public charging network, Ather Grid.

Up to speed

In November, **Ather Energy** raised **\$35 million** in a Series D round led by Flipkart Co-founder **Sachin Bansal**, who invested \$23 million. Hero MotoCorp put in the remaining \$12 million. The company also launched its flagship product, Ather 450X, two years after rolling out its first electric scooter, Ather 450.

Swapnil’s parting shot is some advice for new engineers: “When you are building a new product you need to build it from first principles. That’s very important. You have to be ready to unlearn and relearn new things rapidly. Always find a balance between technical acumen and getting a product out in the market. Engineers get carried away by technical complexities, but you need to build something for people to use.”

Date: 29th December 2020

Media: Yahoo Finance

Edition: Online

Journalist: Sindhu Kashyaap

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Headline: [Techie Tuesday] It's all about logic and building something you can use: Ather's Swapnil Jain on smart EVs

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Date: 28th December 2020

Media: Data Quest India

Edition: Online

Journalist: NA

Headline: IIT Kharagpur to Train Students on High-Performance Computing and Artificial Intelligence: Check Details

URL: <https://www.dqindia.com/iit-kharagpur-train-students-high-performance-computing-artificial-intelligence-check-details/>

IIT Kharagpur will train students on high-performance computing and artificial intelligence as part of an initiative launched by the Department of Science and Technology and Centre for Development of Advanced Computing(C-DAC). The initiative called "National Supercomputing Mission" includes several pre-eminent institutes such as IISc Bangalore, IIT Kanpur, IIT Roorkee, IIT Hyderabad, IIT Guwahati, IIT Mandi, IIT Gandhinagar, NIT Trichy, NABI Mohali and NSM Nodal Centres for training in HPC and AI at IIT Madras, IIT Kharagpur, IIT Goa, and IIT Palakkad.

IIT Kharagpur will focus on manpower creation and upskilling of students, faculty, scientists, researchers, scientific users in large scale computing across different science domains with an aim to bridge the gap between application and development aspects in HPC, said the IIT KGP Chronicle [website](#). The aim of the mission is to train engineers for indigenous assembling and manufacturing to establish supercomputing infrastructure in the country and make the facilities available at an affordable cost.

Topics to be Covered by IIT Kharagpur in the First Phase

Some of the topics that will be covered by IIT Kharagpur as part of the project titled 'NSM Nodal Center for training in HPC and AI' are as follows:

- MPI
- OpenMP and CUDA programming
- Scientific computing
- HPC-AI convergence and application areas like multi-scale modeling
- Computational biology, computational fluid dynamics
-

IIT Kharagpur hosts a 1.3 Petaflop supercomputer named Paramshakti delivered and commissioned through NSM. The Institute has set up the Center for Computational and Data Sciences (CCDS) funded by DST to carry out next-generation interdisciplinary research and teaching activities that involve this state-of-the-art HPC platform. Param-vidya, a dedicated computing platform will be made available to IIT Kharagpur under NSM for this training and upskilling purpose. Further, Rs 55.7 Lakh has been approved for a period of two years as initial funding for the project to run the NSM Nodal center and conduct training programs, adds the website.

C-DAC, under the aegis of MeitY, signed 13 MoUs on 12 October 2020 with premier academic and R&D institutions of India. NSM envisages empowering national academic and R&D institutions to spread over the country by installing a vast supercomputing grid comprising of more than 70 high-performance computing facilities. The mission also includes the development of highly professional High-Performance Computing (HPC) aware human resource for meeting the challenges of development of these applications. The mission implementation would bring supercomputing within the reach of the large scientific and technology community in the country and enable the country with a capacity to solve multi-disciplinary grand challenge problems.

Date: 29th December 2020

Media: ANI News

Edition: Online

Journalist: Pragya Kaushika

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.aninews.in/news/national/general-news/ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust20201229214911/>

The first month of 2021 will see the commencement of the foundation laying work for the grand Ram Janmabhoomi temple. Champat Rai, general secretary, Ram Janmbhoomi Teerth Kshetra Trust while informing about the meeting of the temple construction committee that took place today to discuss foundation-laying work with scientists and engineers said that within 15 days foundation work at the temple site is likely to begin.

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Date: 29th December 2020

Media: BW Business World

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram Temple Foundation Laying Work Likely To Begin In January: Champat Rai, General Secretary, Ram Janmbhoomi Trust

URL: <http://www.businessworld.in/article/Ram-temple-foundation-laying-work-likely-to-begin-in-January-Champat-Rai-general-secretary-Ram-Janmbhoomi-Trust/29-12-2020-359476/>

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Date: 29th December 2020

Media: Devdiscourse

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.devdiscourse.com/article/headlines/1387488-ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust>

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Date: 29th December 2020

Media: Yahoo

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://in.news.yahoo.com/ram-temple-foundation-laying-likely-162346032.html>

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Media: Latestly

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram Temple Foundation Laying Work Likely to Begin in January: Champat Rai, General Secretary, Ram Janmbhoomi Trust

URL: <https://www.latestly.com/agency-news/india-news-ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust-2237007.html>

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Media: Sify

Edition: Online

Journalist: Pragya Kaushika

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.sify.com/news/ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust-news-national-um3rahcjcdffi.html>

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Date: 29th December 2020

Media: Kashmir Newsline

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.kashmirnewsline.in/news/ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust20201229214908/>

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Date: 29th December 2020

Media: West Bengal Khabar

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.westbengalkhabar.in/news/ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust20201229214908/>

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Date: 29th December 2020

Media: Odisha Post

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.odishapost.news/news/ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust20201229214908/>

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Date: 29th December 2020

Media: Haryana Today

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.haryanatoday.in/news/ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust20201229214908/>

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Media: India News Network

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.indiannewsnetwork.net/news/ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust20201229214908/>

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Date: 29th December 2020

Media: Jharkhand Times

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.jharkhandtimes.in/news/ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust20201229214908/>

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Date: 29th December 2020

Media: Kashmir Breaking News

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.kashmirbreakingnews.com/news/ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust20201229214908/>

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Date: 29th December 2020

Media: Chhattisgarh Today

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.chhattisgarhtoday.in/news/ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust20201229214908/>

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Date: 29th December 2020

Media: Web India 123

Edition: Online

Journalist: Pragya Kaushika

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://news.webindia123.com/news/Articles/India/20201229/3682540.html>

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Date: 29th December 2020

Media: Karnataka Live

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.karnatakalive.in/news/ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust20201229214908/>

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Date: 29th December 2020

Media: Delhi Live News

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Ram temple foundation-laying work likely to begin in January: Champat Rai, general secretary, Ram Janmbhoomi Trust

URL: <https://www.delhilivenews.in/news/ram-temple-foundation-laying-work-likely-to-begin-in-january-champat-rai-general-secretary-ram-janmbhoomi-trust20201229214908/>

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Date: 29th December 2020

Media: The Hindu

Edition: Online

Journalist: S Sundar

Headline: Pamban new bridge work progressing slower than schedule

URL: <https://www.thehindu.com/news/national/tamil-nadu/pamban-new-bridge-work-progressing-slower-than-schedule/article33443427.ece>

Construction of new Pamban rail bridge has been progressing at a slower pace than its schedule. Only 18% of the sea bridge work has been completed even as more than 65% of the planned time has elapsed.

Out of the 333 pile foundations that need to be erected for the 2,078-metre-long bridge, Rail Vikas Nigam Limited has completed only 57 pile foundations till the fourth week of December as per the reply given by the executing agency to a query under Right to Information Act.

“The work is going on at a very slow pace. While the project has been planned to be completed by August 2021 (24 months), as on date, not even one-fifth of the work has got over,” said Pandiaraja, an activist.

Stating that the existing Pamban bridge, which is more than 100 years old, has shown semblance of wear and tear, he said already train movement had to be suspended twice for few days in the last few years.

“Even recently, train services had to be short terminated at Mandapam railway station after the sensors installed (by IIT-Madras to continuously monitor the stability of the bridge) raised an alarm,” he said.

Under this situation, early commissioning of new Pamban bridge assumed significance for uninterrupted rail movement between the mainland and Rameswaram island.

The new bridge, to be constructed at a cost of Rs. 270.90 crore, will have substructure for double track on the seabridge though the superstructure will be laid with only one track now.

RVNL will make use of 20,000 cubic metres of concrete, 2,250 tonnes of reinforcement steel and 4,060 tonnes of structural steel, according to RVNL.

The new bridge will have a lifespan of 100 years.

Date: 30th December 2020

Media: Dainik Bhaskar

Edition: Online

Journalist: NA

Headline: सोनीपत:छोटूराम यूनिवर्सिटी के भौतिकी विभाग के शोधार्थियों के अनुसंधान में गुणवत्ता आएगी (Sonipat: Research in researchers of Physics Department of Chhoturam University will bring quality)

URL: <https://www.bhaskar.com/local/haryana/sonipat/news/researchers-from-physics-department-of-chhoturam-university-will-get-quality-in-research-128067787.html>

दीनबंधु छोटूराम विज्ञान एवं प्रौद्योगिकी विश्वविद्यालय, मुरथल के शोधार्थियों के लिए अच्छी खबर है। अब डीसीआरयूएसटी के शोधार्थियों को आईआईटी के समक्ष प्रयोगशाला की सुविधा विश्वविद्यालय में उपलब्ध होगी। भौतिकी विभाग की नई प्रयोगशाला 1.10 करोड़ रुपए की लागत से बनकर तैयार हुई है। इससे शोधार्थियों के शोध में गुणवत्ता आएगी।

डीसीआरयूएसटी के भौतिकी विभाग के शोधार्थियों के अनुसंधान में गुणवत्ता आएगी। पहले शोधार्थियों को करेक्टेराइजेशन के लिए आईआईटी दिल्ली, आईआईटी मद्रास व सीएसआई प्रयोगशालाओं में जाना पड़ता था। अब आईआईटी के समक्ष प्रयोगशाला भौतिकी के विभाग में बनकर तैयार हो गई है। प्रयोगशाला में शोधार्थी फ्लोरा सेंस स्पेक्ट्रोमीटर, एमईपीई लुप ट्रेसर, स्टारिंग यूनिट, यूवी वीज एनआईआर स्पेक्ट्रोफोटोमीटर आदि उपकरण भौतिकी की नई लगाए गए हैं। नई प्रयोगशाला में नए उपकरण आने के कारण अनुसंधान के अधिकतम उपकरण विश्वविद्यालय की प्रयोगशाला में उपलब्ध हो गए हैं।

इन्हें भी मिलेगा लाभ

भौतिकी विभागाध्यक्ष प्रो.सतीश कुमार खासा ने कहा कि भौतिकी की नई प्रयोगशाला का लाभ केवल शोधार्थियों को ही नहीं, अपितु स्नातकोत्तर के विद्यार्थियों को भी मिलेगा। नई प्रयोगशाला के कारण शोधार्थियों के समय और पैसे की तो बचत होगी ही, इसके साथ ही साथ शोध में गुणवत्ता भी आएगी। वहीं स्नातकोत्तर के विद्यार्थियों को जिन उपकरणों के बारे में पाठ्यक्रम में पढ़ने को मिलता था, अब वे विद्यार्थी उपकरणों का प्रयोग होते देख सकेंगे, जिसके कारण स्नातकोत्तर के विद्यार्थियों के अंदर शोध करने की भावना पैदा होगी।

प्रयोगशाला शोध व विकास को बढ़ावा देने के लिए प्रदान की

केंद्र सरकार के विज्ञान एवं तकनीकी विभाग ने एफआईएसटी(फंड फॉर इंफ्रामैट ऑफ साइंस एंड टेक्नोलॉजी इंफ्रास्ट्रक्चर) के लिए गत वर्ष में आवेदन मांगे थे। आवेदन करने के पश्चात विभाग ने आए आवेदनों की समीक्षा के पश्चात कुछ को प्रस्तुति देने के लिए बुलाया। केंद्र सरकार के विज्ञान एवं तकनीकी विभाग ने 1.46 करोड़ की राशि विवि के भौतिकी विभाग के फिजिकल साइंस के शोध व विकास को बढ़ावा देने के लिए प्रदान की थी। -प्रो.राजेंद्रकुमार अनायत, कुलपति, दीनबंधु छोटूराम विज्ञान एवं प्रौद्योगिकी विवि मुरथल।

Date: 30th December 2020

Media: DT Next

Edition: Online

Journalist: NA

Headline: Woman cop alleges work burden, harassment by inspector in viral audio

URL: <https://www.dtnext.in/News/City/2020/12/30033846/1268855/Woman-cop-alleges-work-burden-harassment-by-inspector-.vpf>

In the two-minute-ten-second long audio, the woman constable identified as Usha Pandian, said that she was unable to handle the torture by an inspector for the last few days as she has been given work she could not handle. "I took leave for a week unable to handle the work, but I'm again being dumped with work," alleged the woman constable in the audio.

Speaking to DT Next, she said that she got a surgery done in the spinal cord as she met with an accident a few years ago and the pain got aggravated after she got infected with COVID-19 in August. "I was under observation in IIT-Madras campus and then on home quarantine for about 10 days before returning to work. But I could not be as active as before due to persistent back pain," she added.

In the audio, she had also mentioned that many policemen commit suicide due to such harassments, but they could not prove it since senior officials seek evidence. "I'm ready to commit suicide if it would make the environment for all other women police personnel safer," she said.

While the constable informed that she has been asked to report to the control room, a senior police official when contacted said that an inquiry has been ordered and no decision has been taken as yet. The constable and the inspector she accused are said to have been working in the same station for about two years.

Date: 30th December 2020

Media: LN Star

Edition: Online

Journalist: NA

Headline: देश में 65 करोड़ और मद्र में 6.5 करोड़ लोगों तक पहुंचेगा श्रीराम जन्मभूमि तीर्थक्षेत्र न्यास: आलोक कुमार (Shri Ram Janmabhoomi shrine trust will reach 65 crore people in the country and 6.5 crore in Madhya Pradesh: Alok Kumar)

URL: <http://www.lnstarnews.com/देश-में-65-करोड़-और-मद्र-में-6-5/>

अयोध्या में श्रीराम मंदिर निर्माण के लिए देश के छह लाख में से चार लाख गांवों में जाने की योजना थी, लेकिन विभिन्न स्तरों पर बैठकों के बाद तय किया गया है कि देश में सवा पांच लाख गांवों तक जाएंगे और 13 करोड़ परिवारों से निधि संग्रह करेंगे। यानी देश के 65 करोड़ और मध्यप्रदेश में 50 हजार गांव और सवा करोड़ परिवारों में साढ़े छह करोड़ लोगों तक पहुंचने का लक्ष्य निर्धारित किया गया है। इस प्रकार, यह निश्चित रूप से दुनिया के इतिहास में सबसे बड़ा निधि संग्रह का अभियान होगा। यह बातें विश्व हिंदू परिषद (विहिप) के अंतरराष्ट्रीय कार्याध्यक्ष आलोक कुमार ने बुधवार को अपने एक दिवसीय भोपाल प्रवास के दौरान विश्वसंवाद केंद्र में आयोजित पत्रकार वार्ता के दौरान कही।

उन्होंने कहा है कि प्रभू श्रीराम के भव्य मंदिर निर्माण के लिए इस निधि संग्रह के महा अभियान में उन मुस्लिम धर्मावलंबियों का भी स्वागत है, जो श्रीराम को अवतार, महापुरुष और इमाम-ए-हिंद मानते हैं। अगर मुसलमान भाई भी राम जी के काज में दान देना चाहेंगे, तो अवश्य दें।

उन्होंने कहा कि इस उद्देश्य के लिए श्रीराम जन्मभूमि तीर्थक्षेत्र न्यास ने मध्य प्रदेश के लिए पूज्य संत अखिलेश्वरानंद जी महाराज जबलपुर की अध्यक्षता में एक श्रीराम मंदिर निर्माण निधि समिति का गठन किया है। समिति के कुछ प्रमुख व्यक्तियों में उपाध्यक्ष कांतिभाई इंदौर, पीताम्बर राजदेव भोपाल, लक्ष्मण सिंह जबलपुर, डॉ. वाणी अहलूवालिया जबलपुर, मंत्री राजेश तिवारी, सहमंत्री बृजेश सिंह, आलोक सिंह, सोहन विश्वकर्मा, कोषाध्यक्ष सुरेश जैन, सह कोषाध्यक्ष अशोक अग्रवाल शामिल हैं। पूरे अभियान की देखरेख मध्य भारत प्रांत एवं अन्य प्रांत निधि समर्पण अभियान समितियों सहित संतों के मार्गदर्शक समिति द्वारा की जाएगी।

उन्होंने यह भी बताया कि संग्रह टोलियां प्रत्येक 5 लोगों की बनाई गई हैं। वे एक जमाकर्ता को रिपोर्ट करेंगे। सभी संग्रह 48 घंटों के भीतर तीर्थक्षेत्र के बैंक खाते में जमा किए जाएंगे। प्रत्येक जमाकर्ता के पास भारतीय स्टेट बैंक, बैंक ऑफ बड़ौदा और पंजाब नेशनल बैंक के तीन बैंकों में से एक का निकटतम शाखा में एक पंजीकृत कोड नंबर होगा। यहां निधि संग्रह में पूरी पारदर्शिता रखे जाने की व्यवस्था सुनिश्चित की गई है।

आलोक कुमार ने कहा कि उम्मीद है कि 2024 तक श्रीराम लला की भव्य मूर्ति मुख्य मंदिर के गर्भगृह में स्थापित हो जाएगी और भक्तों को भगवान के इस भव्य मंदिर में दर्शन करने के लिए आमंत्रित किया जा सकेगा। अभी शुरुआत में मंदिर के पिलर तैयार करते हुए कुछ दिक्कत आई है, जिसमें कई संस्थानों से तकनीकी मदद ली जा रही है। फाउंडेशन ड्राइंग पर टाटा कंसल्टेंसी सर्विसेज के इंजीनियर और आईआईटी मुंबई, आईआईटी दिल्ली, आईआईटी चेन्नई, आईआईटी गुवाहाटी, सीबीआरआई रुडकी, लार्सन एंड टुब्रो के इंजीनियर काम कर रहे हैं। पूरा मंदिर पत्थरों के ब्लॉक का होगा।

उन्होंने बताया कि मंदिर का कुल क्षेत्रफल 2.7 एकड़ होगा। निर्माण क्षेत्र 57,400 वर्ग फुट है। मंदिर की लंबाई 235 फीट के साथ 360 फीट होगी। मंदिर तीन मंजिला संरचना और 5 मंडप के साथ होगा। ग्राउंड फ्लोर पर कॉलम की संख्या 160, फ्लोर पर 132 और सेकंड फ्लोर पर 74 होगी। मंदिर के साथ शोधार्थियों के लिए पुस्तकालय, अभिलेखागार, संग्रहालय, अनुसंधान केंद्र, यज्ञशाला, वेद पाठशाला, सत्संग भवन सहित तमाम सुविधाएं रहेंगी।

आलोक कुमार ने पत्रकारों के सवाल के जवाब में निधि संग्रह से पहले मद्र के उज्जैन और इंदौर में हुई दो घटनाओं को लेकर कहा कि कोई हमारे आंदोलन को बदनाम न कर सके, इसकी हम सतर्कता बरतेंगे। कानून व्यवस्था देख रही एजेंसीज को भी कहेंगे कि वो भी सतर्कता रखें। हम विश्वास करते हैं कि भारत की जनता परिपक्व है। जैसा सबने पहले से मन बनाया था, वैसा फैसला आने के बाद कोर्ट के निर्णय को स्वीकार किया है। हम शांति और सौहार्द्र बनाने के लिए संकल्पित हैं।

उन्होंने कहा कि अयोध्या में मंदिर बन रहा है, तो मस्जिद के लिए भी वहीं जगह मिली है। लेकिन वे किसी भी सूरत में टकराव की स्थिति नहीं बनने देंगे और कोई ऐसा करता है तो यह देखना प्रशासन का काम है, ऐसे में हमारा पूरा सहयोग प्रशासन के साथ होगा। अब हम संघर्ष की स्थिति में नहीं रचना करने के कार्य में जुटे हुए हैं, इसलिए इस तरह की घटनाएं कहीं भी नहीं होनी चाहिए।

एक प्रश्न के जवाब में उन्होंने कहा कि सोमनाथ मंदिर निर्माण के समय महात्मा गांधी ने ये राय दी थी कि सरकार मंदिर का ट्रस्ट बनाए, लेकिन मंदिर के निर्माण के लिए रुपए सरकारी खजाने से नहीं जाए। इसी तरह श्रीराम मंदिर निर्माण में भी सरकारों का धन स्वीकार नहीं है। निधि समर्पण के माध्यम से जो राशि आएगी संपूर्ण कार्य उसी से पूर्ण किए जाएंगे। वर्ष 1990 में विहिप द्वारा किए गए निधि संग्रह को लेकर उन्होंने बताया कि उस समय आठ करोड़ रुपये इकठ्ठा हुए थे। जिनके पत्थर लाए गए और उन्हें तराशा गया। इसमें से कुछ राशि बची है, जिसका इस्तेमाल अब किया जाएगा।

उन्होंने कहा कि विहिप का मानना है कि यह केवल मंदिर निर्माण के लिए किया जा रहा प्रयत्न या एक आंदोलन नहीं है, बल्कि संपूर्ण हिन्दू समाज के कायाकल्प का एक सचेत प्रयास है, जो समाज को अपनी बीमारियों, जैसे उच्च और निम्न, गरीबी, स्वास्थ्य, शिक्षा और कौशल की कमियों को दूर करने के लिए प्रेरित करेगा। महिलाओं की गरिमा को बहाल करने के लिए, दुनिया से आतंकवाद के संकट को मिटाने के लिए और सर्वे भवन्तु सुखिनः के वैदिक लक्ष्यों को अनुभूत करने के लिए-सभी खुश हो सकते हैं, सभी स्वस्थ हो सकते हैं, सभी भेदभाव मिटाकर बुद्धिमान हो सकते हैं और किसी को भी दुखों से पीड़ित नहीं होने दिया जाएगा, इस विचार और सोच के साथ प्रभू के इस भव्य मंदिर का निर्माण कार्य सम्पन्न होने जा रहा है। एजेंसी

Date: 30th December 2020

Media: Agniban

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: देश में 65 करोड़ लोगों तक पहुंचेगा श्रीराम जन्मभूमि तीर्थक्षेत्र न्यास: आलोक कुमार (Shri Ram Janmabhoomi pilgrimage trust will reach 65 crore people in the country: Alok Kumar)

URL: <https://news.agniban.com/shri-ram-janmabhoomi-pilgrimage-trust/>

अयोध्या में श्रीराम मंदिर निर्माण के लिए देश के छह लाख में से चार लाख गांवों में जाने की योजना थी, लेकिन विभिन्न स्तरों पर बैठकों के बाद तय किया गया है कि देश में सवा पांच लाख गांवों तक जाएंगे और 13 करोड़ परिवारों से निधि संग्रह करेंगे। यानी देश के 65 करोड़ और मध्यप्रदेश में 50 हजार गांव और सवा करोड़ परिवारों में साढ़े छह करोड़ लोगों तक पहुंचने का लक्ष्य निर्धारित किया गया है। इस प्रकार, यह निश्चित रूप से दुनिया के इतिहास में सबसे बड़ा निधि संग्रह का अभियान होगा। यह बातें विश्व हिंदू परिषद (विहिप) के अंतरराष्ट्रीय कार्याध्यक्ष आलोक कुमार ने बुधवार को अपने एक दिवसीय भोपाल प्रवास के दौरान विश्वसंवाद केंद्र में आयोजित पत्रकार वार्ता के दौरान कही।

उन्होंने कहा है कि प्रभू श्रीराम के भव्य मंदिर निर्माण के लिए इस निधि संग्रह के महा अभियान में उन मुस्लिम धर्मावलंबियों का भी स्वागत है, जो श्रीराम को अवतार, महापुरुष और इमाम-ए-हिंद मानते हैं। अगर मुसलमान भाई भी राम जी के काज में दान देना चाहेंगे, तो अवश्य दें।

उन्होंने कहा कि इस उद्देश्य के लिए श्रीराम जन्मभूमि तीर्थक्षेत्र न्यास ने मध्य प्रदेश के लिए पूज्य संत अखिलेश्वरानंद जी महाराज जबलपुर की अध्यक्षता में एक श्रीराम मंदिर निर्माण निधि समिति का गठन किया है। समिति के कुछ प्रमुख व्यक्तियों में उपाध्यक्ष कांतिभाई इंदौर, पीताम्बर राजदेव भोपाल, लक्ष्मण सिंह जबलपुर, डॉ. वाणी अहलूवालिया जबलपुर, मंत्री राजेश तिवारी, सहमंत्री बृजेश सिंह, आलोक सिंह, सोहन विश्वकर्मा, कोषाध्यक्ष सुरेश जैन, सह कोषाध्यक्ष अशोक अग्रवाल शामिल हैं। पूरे अभियान की देखरेख मध्य भारत प्रांत एवं अन्य प्रांत निधि समर्पण अभियान समितियों सहित संतों के मार्गदर्शक समिति द्वारा की जाएगी।

उन्होंने यह भी बताया कि संग्रह टोलियां प्रत्येक 5 लोगों की बनाई गई हैं। वे एक जमाकर्ता को रिपोर्ट करेंगे। सभी संग्रह 48 घंटों के भीतर तीर्थक्षेत्र के बैंक खाते में जमा किए जाएंगे। प्रत्येक जमाकर्ता के पास भारतीय स्टेट बैंक, बैंक ऑफ बड़ौदा और पंजाब नेशनल बैंक के तीन बैंकों में से एक का निकटतम शाखा में एक पंजीकृत कोड नंबर होगा। यहां निधि संग्रह में पूरी पारदर्शिता रखे जाने की व्यवस्था सुनिश्चित की गई है।

आलोक कुमार ने कहा कि उम्मीद है कि 2024 तक श्रीराम लला की भव्य मूर्ति मुख्य मंदिर के गर्भगृह में स्थापित हो जाएगी और भक्तों को भगवान के इस भव्य मंदिर में दर्शन करने के लिए आमंत्रित किया जा सकेगा। अभी शुरुआत में मंदिर के पिलर तैयार करते हुए कुछ दिक्कत आई है, जिसमें कई संस्थानों से तकनीकी मदद ली जा रही है। फाउंडेशन ड्राइंग पर टाटा कंसल्टेंसी सर्विसेज के इंजीनियर और आईआईटी मुंबई, आईआईटी दिल्ली, आईआईटी चेन्नई, आईआईटी गुवाहाटी, सीबीआरआई रुड़की, लार्सन एंड टुब्रो के इंजीनियर काम कर रहे हैं। पूरा मंदिर पत्थरों के ब्लॉक का होगा।

उन्होंने बताया कि मंदिर का कुल क्षेत्रफल 2.7 एकड़ होगा। निर्माण क्षेत्र 57,400 वर्ग फुट है। मंदिर की लंबाई 235 फीट के साथ 360 फीट होगी। मंदिर तीन मंजिला संरचना और 5 मंडप के साथ होगा। ग्राउंड फ्लोर पर कॉलम की संख्या 160, फ्रस्ट फ्लोर पर 132 और सेकंड फ्लोर पर 74 होगी। मंदिर के साथ शोधार्थियों के लिए पुस्तकालय, अभिलेखागार, संग्रहालय, अनुसंधान केंद्र, यज्ञशाला, वेद पाठशाला, सत्संग भवन सहित तमाम सुविधाएं रहेंगी।

आलोक कुमार ने पत्रकारों के सवाल के जवाब में निधि संग्रह से पहले मप्र के उज्जैन और इंदौर में हुई दो घटनाओं को लेकर कहा कि कोई हमारे आंदोलन को बदनाम न कर सके, इसकी हम सतर्कता बरतेंगे। कानून व्यवस्था देख रही एजेंसीज को भी कहेंगे कि वो भी सतर्कता रखें। हम विश्वास करते हैं कि भारत की जनता परिपक्व है। जैसा सबने पहले से मन बनाया था, वैसा फैसला आने के बाद कोर्ट के निर्णय को स्वीकार किया है। हम शांति और सौहार्द्र बनाने के लिए संकल्पित हैं।

उन्होंने कहा कि अयोध्या में मंदिर बन रहा है, तो मस्जिद के लिए भी वहीं जगह मिली है। लेकिन वे किसी भी सूरत में टकराव की स्थिति नहीं बनने देंगे और कोई ऐसा करता है तो यह देखना प्रशासन का काम है, ऐसे में हमारा पूरा सहयोग प्रशासन के साथ होगा। अब हम संघर्ष की स्थिति में नहीं रचना करने के कार्य में जुटे हुए हैं, इसलिए इस तरह की घटनाएं कहीं भी नहीं होनी चाहिए।

एक प्रश्न के जवाब में उन्होंने कहा कि सोमनाथ मंदिर निर्माण के समय महात्मा गांधी ने ये राय दी थी कि सरकार मंदिर का ट्रस्ट बनाए, लेकिन मंदिर के निर्माण के लिए रुपए सरकारी खजाने से नहीं जाए। इसी तरह श्रीराम मंदिर निर्माण में भी सरकारों का धन स्वीकार नहीं है। निधि समर्पण के माध्यम से जो राशि आएगी संपूर्ण कार्य उसी से पूर्ण किए जाएंगे। वर्ष 1990 में विहिप द्वारा किए गए निधि संग्रह को लेकर उन्होंने बताया कि उस समय आठ करोड़ रुपये इकठ्ठा हुए थे। जिनके पत्थर लाए गए और उन्हें तराशा गया। इसमें से कुछ राशि बची है, जिसका इस्तेमाल अब किया जाएगा।

उन्होंने कहा कि विहिप का मानना है कि यह केवल मंदिर निर्माण के लिए किया जा रहा प्रयत्न या एक आंदोलन नहीं है, बल्कि संपूर्ण हिन्दू समाज के कायाकल्प का एक सचेत प्रयास है, जो समाज को अपनी बीमारियों, जैसे उच्च और निम्न, गरीबी, स्वास्थ्य, शिक्षा और कौशल की कमियों को दूर करने के लिए प्रेरित करेगा। महिलाओं की गरिमा को बहाल करने के लिए, दुनिया से आतंकवाद के संकट को मिटाने के लिए और सर्वे भवन्तु सुखिनः के वैदिक लक्ष्यों को अनुभूत करने के लिए-सभी खुश हो सकते हैं, सभी स्वस्थ हो सकते हैं, सभी भेदभाव मिटाकर बुद्धिमान हो सकते हैं और किसी को भी दुखों से पीड़ित नहीं होने दिया जाएगा, इस विचार और सोच के साथ प्रभू के इस भव्य मंदिर का निर्माण कार्य सम्पन्न होने जा रहा है। एजेंसी

Date: 31st December 2020

Media: The Hindu (clip attached)

Edition: Chennai

Page No: 7

Journalist: NA

Headline: T.N. has 83 containment zones now

URL: <https://www.thehindu.com/news/national/tamil-nadu/tn-has-83-containment-zones-now/article33458522.ece>

T.N. has 83 containment zones now

SPECIAL CORRESPONDENT
CHENNAI

There are a total of 83 COVID-19 containment zones across the State, including the one on the Indian Institute of Technology-Madras campus, as of December 25, the Tamil Nadu government said.

According to a government order, the containment zones were in 15 districts across the State.

The zones

The zones are in Kancheepuram (23), Tiruppur (13), Tiruvarur (11), Coimbatore (seven), Tiruvallur (six), three each in Chengalpattu, Kanniyakumari, Salem, Tiruchi and Tiruvannamalai, two each in Krishnagiri, Nagapattinam and Tirunelveli, and one each in Chennai and Tirupattur districts. The list of containment zones can be accessed on *The Hindu* portal at: <http://bit.ly/TNcontainmentzones>

Date: 31st December 2020

Media: The Hindu (clip attached)

Edition: Chennai

Page No: 7

Journalist: NA

Headline: CM ticks off Stalin for talking about split in AIADMK

CM ticks off Stalin for talking about split in AIADMK

Even a thousand Stalins can't break our party: Palaniswami



In poll mode: Chief Minister Edappadi K. Palaniswami during a campaign event at Thottiyam in Tiruchi district on Wednesday. • M. SRINATH

SPECIAL CORRESPONDENT
TIRUCHI

Chief Minister Edappadi K. Palaniswami on Wednesday chided DMK president M.K. Stalin for claiming that the AIADMK was headed towards a split and advised him to “stop dreaming and save his party first”.

Campaigning at Thottiyam in Tiruchi district, he said several attempts made by the DMK in the past to cause discord in the AIADMK and bring the government down had proved futile. “You said the government under my leadership would crumble within a month, six months and one year. We have now completed three years and 10 months. People are now aware, and do not believe your misleading statements. You cannot touch even a worker of the AIADMK. Even a thousand Stalins cannot split the AIADMK,” he said.

The Chief Minister alleged that Mr. Stalin had entered politics through a “shortcut”, on the strength of his family background. On the other hand, he had risen from the grassroots. “Never think you can take a farmer with a rural background for

granted,” he said.

Unlike the DMK, the AIADMK promised only what would be achievable. His government was confident of implementing the Godavari-Cauvery inter-linking project to find a perennial solution to the water shortage in Tamil Nadu, Mr. Palaniswami said.

He thanked his counterparts in Telangana and Andhra Pradesh on behalf of Tamil Nadu’s farmers for their cooperation.

“The DMK leadership, on the other hand, is worried only about the welfare of its family,” he said. “It was only during the stint of your [Mr. Stalin’s] father Karunanidhi that the Kabini Dam was constructed in Karnataka, resulting in the destruction of the livelihood of our farmers. Amma [former Chief Minister Jayalalithaa], on the other hand, secured Tamil Nadu’s rights by ensuring the Supreme Court verdict as a lasting solution to the water-sharing dispute of five decades,” he said.

While interacting with farmers at Thottiyam, a banana-growing belt, the Chief Minister said a facility for value-addition of banana

would be established there, with technical support from the Indian Institute of Technology-Madras. The proposed betel leaf research centre at Paramathy Velur in neighbouring Namakkal district would be of immense utility for cultivators of the crop in the region.

All through his campaign at Thuraiyur, Manachanalur, Lalgudi, Pullambadi and Tiruchi, Mr. Palaniswami accused the DMK leadership of attempting to thwart the government’s decision to give ₹2,500 as a Pongal gift to the poor for tiding over the hardships caused by the COVID-19 lockdown. The people would teach a fitting lesson to the DMK in the election, he said.

At an interaction with rice mill owners at Manachanalur, Mr. Palaniswami said he would look into their plea to recommend a reduction in the GST on the Manachanalur Ponni variety of rice.

At Kothampatti near Thuraiyur, the Chief Minister got down from his vehicle to interact with a few Scheduled Caste families and informed them of the schemes under implementation for their welfare.

Date: 30th December 2020

Media: The Times of India

Edition: Online

Journalist: D Vincent Arockiaraj

Headline: Edappadi K Palaniswami makes a statement with a spade

URL: <https://timesofindia.indiatimes.com/city/chennai/edappadi-k-palaniswami-makes-a-statement-with-a-spade/articleshow/80029267.cms>

For several months, Tamil Nadu chief minister Edappadi K Palaniswami has been saying that agriculture is his first occupation though DMK president M K Stalin has been calling him a 'fake farmer.' On Wednesday, the CM took a spade to prove that he is an adept agriculturist. Palaniswami, who was on an election campaign at Thottiam in Trichy district, borrowed a spade from a labourer who was working in a field and started digging the earth to soften the soil. Farmers and others who were around him appreciated the way he handled the spade with expertise. While interacting with farmers, the CM said the government would take up a research project to double the income of banana farmers in the state. "As a farmer, I know the problems faced by the farmers while rising banana crop. So, in order to double farmers' income, the government will take up a research project with the help of aerospace scientist Mylswamy Annadurai by roping up IIT-Madras, to utilize entire parts of a banana plant," the CM said. The CM said the government had taken various measures to double the income of banana farmers.

Headline: Investors will continue to bet on sunrise sectors through 2021 and beyond

URL: <https://www.livemint.com/news/india/investors-will-continue-to-bet-on-sunrise-sectors-through-2021-and-beyond-11609347110775.html>

INVESTORS WILL CONTINUE TO BET ON SUNRISE SECTORS THROUGH 2021 AND BEYOND



EXPERT VIEW
JAIDEEP MEHTA

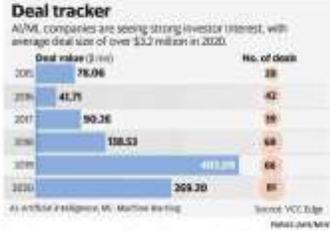
Senior Director, Research & Analytics at Investopedia

As the coronavirus outbreak shut down the world, we effortlessly moved to digital shopping, remote working, video streaming for entertainment, WhatsApp-based grocery ordering, telemedicine using mobile phones and schooling from home.

Organizations and people adapted quickly in the face of unprecedented adversity, helped by a powerful cocktail of computer power, cheap and sustainable electricity, almost free bandwidth, programmatic data lakes, next-generation software platforms and human ingenuity. These enablers will also help us develop a host of AI (artificial intelligence)-driven applications to solve some of our deeper challenges.

Climate change modelling, the visualization of global warming and triggering corrective actions are examples of what is possible. That day is not far when a device examines you, tests your blood, diagnoses your illness and prescribes medication without a doctor being involved, and perhaps more accurately.

Investors have noticed, and deal-making in the AI and machine learning (ML) sector has reached a frenzied level, with an average of more than one deal announcement a week for the



past three years, according to the research platform VCC Edge. The average deal size indicates a preponderance of early-stage backing as companies in this sector are still in building scale. 2020 saw an average deal size of a shade over \$3.2 million. Unicorns will emerge soon.

Renewable energy, especially solar, is now cheaper than fossil fuels in India. Most recently, a solar power plant was auctioned at ₹2 per unit of electricity, whereas fossil fuel-based electricity costs a minimum of ₹4.6 to ₹5 per unit. Equally important to note is the fact that 14 companies had bid, of which eight were around the ₹2 mark closely, an important milestone in the viability of solar power has been hit.

What does this mean? It's tonic for our polluted environment, and an enabler for far-flung rural and mountainous areas, and anywhere the grid does not reach. The government's push for

more solar power has attracted investors. Though 2020 has been muted, 2019 saw over \$2 billion being invested across 30 different deals, which followed \$1.8 billion in 2018 also across 30 deals. An example of early-stage investment in the sector was the recent funding of solar panel cleaning robot maker, Novca Robotics. TAN Pund put in \$1.47 million in the company.

When pollution is the discussion, can electric cars be far behind? The biggest inherent in the electric vehicles is there for all those in urban India. They are a whole new class of entrepreneur-led last-mile transportation. The next big wave has been electric two-wheelers while the biggies like Bajaj Auto launched the electric Chetak, the investment dollars have flown into startups such as Ather Energy and Revolt Motors. 2019 was the landmark year of 38 deals worth \$323 million; this year also saw Ola transform into an electric vehicle (EV) manufacturer with Softbank backing. It is now setting up one of the largest two-wheeler plants in the world.

In the context of sustainability, watch for opportunities as innovation occurs in water purification technologies, next-generation pay per fibers and the like.

There is also some very interesting work going on in the engineering and science institutes, which is spawning cutting-edge startups. AgniSat and Eklavee have emerged from IIT Madras; the former sends satellites into space at low cost and is now a partner of Indian Space Research Organisation (ISRO). The IITs and other institutes are all running incubation programmes successfully. You should track them.

Smart and nano materials are on the way. Elon Musk's solar roof tiles are a great example of innovation that marries traditional building materials with solar panels. The ultra-light yet ultra-strong material, Graphene is already widely used in prod-

ucts as disparate as bulletproof vests and artificial skin. Many smart materials that respond to external stimuli such as temperature change, moisture change and electric currents are in the process of being commercialised. Imagine, for example, clothing which heats its own tears, or changes fabric structure depending on the ambient temperature.

Finally, my focus is on the food we eat and how it reaches us. Agri-tech is coming, and it will be big. Innovation in farming techniques, modern warehousing, the transformation of supply chains and digital market are enablers for agri-sector discovery are only some of the attractive areas.

Finally, my focus is on the food we eat and how it reaches us. Agri-tech is coming, and it will be big. Innovation in farming techniques, modern warehousing, the transformation of supply chains and digital market are enablers for agri-sector discovery are only some of the attractive areas.

SAAS has been hot, with deep-tech companies now engaging the interest of investors

Arrupt from Maple Capital Advisors projected \$500 million of investments in this sector through 2021. Notable deals in 2019 and 2020 included Tiger Global investing \$80 million in Ninjabot, and AgroStar raising \$27 million.

Private equity investments have doubled \$28.3 billion in 2020 from \$8.48 billion in 2016, according to VCC Edge. It started with e-commerce. This was followed by funding of the consumer services companies and the likes of Urban Co., Datto and others were born. SAAS has been hot, with deep-tech companies now engaging the interest of investors; witness the emergence of companies as diverse as Freshworks and Mirak Health (both all backed by private investments). However, the smartest investors across all stages of the investment life cycle, from seed to late-stage, are now seeking alpha in the sunrise sectors. You should look to do the same.

Jaideep Mehta is Chief executive officer of Mission Digital.