

Monthly Coverage Dossier November 2017



Bringing a potpourri of culture to IIT-M campus

ITT Madras is the first to have introduced a potpourri of cultural activities on its campus. The institute is a first in the country to have introduced a potpourri of cultural activities on its campus. The institute is a first in the country to have introduced a potpourri of cultural activities on its campus. The institute is a first in the country to have introduced a potpourri of cultural activities on its campus.

Apple to visit IIT- M for the first time for placements

FE BUREAU
Chennai, November 23

Apple is visiting the campus for the first time for recruitment, along with UIDAI and Nasdaq, among others

THE INDIAN INSTITUTE of Technology Madras (IIT-M) is all set for this year's placement season, scheduled to begin from December 1. Apple is visiting the campus for the first time for recruitment, along with UIDAI and Nasdaq, among others.

As many as 270 companies have registered as on date for more than 400 job profiles, compared to 250 companies in the whole of last year (2016-17) for the same number of job profiles. The first phase of campus recruitment for 2017-18 will be held between December 1 and 10, with a break of one day (December 05, 2017) in between.

About 43% of the recruiters are from the core engineering and R&D sectors, 25% from finance, analytics and consulting sectors, and 32% from the IT sector. The institute will host more than 50 start-ups this year, according to a statement.

About 75 students have opted for deferred placements as they are either pursuing start-up ventures or planning to apply for higher studies.

IIT Madras' pre-placement offers surge

OUR BUREAU
Chennai, November 7

Indian Institute of Technology, Madras, witnessed a 56 per cent increase in pre-placement offers (PPOs) this academic year (2017-18) with internships offered for students by large recruiters like Microsoft, Qualcomm and Goldman Sachs.

As on November 6, a total of 114 PPOs were offered to students as against 73 in preceding academic year (2016-17), says a press release.

Manu Santhanam, Advisor, Training and Placement, IIT Madras, said the internships are facilitated through an Institute-coordinated process. The PPOs are a reward for excellent performance of students in internships.

Nearly 60 per cent of PPOs went to students of Computer Science and Electrical Engineering Departments as the Core Engineering industry caters to the other engineering disciplines, the release said.

Prepared by



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**IIT Madras is a campus of choice for
high ranking JEE students**

Date: 1st November 2017

Publication: BBC Tamil

Edition: Online

Journalist: Pramila Krishnan

Professor: Prof. B. Ravindran

Alumni/students: Raghav Vaidyanathan & S. Kishore

Headline: Robots Created by IIT Madras students for a Clean India

URL: <http://www.bbc.com/tamil/india-41814144>

தூய்மை இந்தியா திட்டத்திற்காக சென்னை ஐஐடி மாணவர்கள் உருவாக்கிய 'ரோபோ'



750 சதுர அடி பரப்பளவை 15 நிமிடங்களுக்கும் மேல் சுத்தம் செய்த 45 ரோபோக்களை உருவாக்கி 'ஆசியா புக ஆஃப் ரெக்கார்ட்ஸ்' மற்றும் 'இந்தியன் புக ஆஃப் ரெக்கார்ட்ஸில்' சென்னை ஐஐடி மாணவர்கள் இடம் பிடித்துள்ளனர்.

கடந்த ஞாயிற்றுக்கிழமை யன்று நடைபெற்ற இந்த நிகழ்வில், சென்னை ஐஐடியின் 'செண்டர் ஃபார் இன்னோவேஷனை' சேர்ந்த மாணவர்கள் உருவாக்கிய 45 ரோபோக்கள் இந்த சாதனையை படைத்துள்ளன.

ப்ளூ டீத் மூலம் ஆண்டிராய்ட் தளத்தில் இயங்கும் செயலியால் கட்டுப்படுத்தப்பட்ட இந்த ரோபோக்கள், 15 நிமிடங்கள் எந்த மனித இடையூறும் இல்லாமல் இயங்கி சாதனை நிகழ்த்தியுள்ளன.

`தூய்மை இந்தியா ரோபோக்கள்`

சமூக நோக்கத்திலும், தங்களது கல்வி நிறுவனத்திற்கு புதிதாக வரும் மாணவர்களுக்கு மின்னணு மற்றும் ரோபோடிக் தொழில் நுட்பத்தின் அடிப்படைகளை கற்பிக்கும் நோக்கிலும், இந்த திட்டம் தொடங்கப்பட்டதாக பிபிசி தமிழிடம் தெரிவித்தார் செண்டர் ஃபார் இன்னோவேஷனைச் சேர்ந்த மாணவர் ராகவ் வைத்தியநாதன்.

இந்த ரோபோடிக் உருவாக்கத்திற்கு இரண்டு மாதம் தேவைப்பட்டதாகவும், 270 மாணவர்கள் 50 குழுக்களாக பிரிந்து இதில் செயல்பட்டதாகவும் தெரிவிக்கிறார் செண்டர் ஃபார் இன்னோவேஷனைச் சேர்ந்த மற்றொரு மாணவர் எஸ்.கிஷோர்.



தூய்மை இந்தியா திட்டம் குறித்த விழிப்புணர்வை ஏற்படுத்த உருவாக்கப்பட்டதுதான் இந்த சுத்தம் செய்யும் ரோபோக்கள் என்ற தெரிவித்துள்ளார் இந்த திட்டத்தின் பொறுப்பாளர் பேராசிரியர் பி. ரவிந்திரன்.

இம்மாதிரியான பல புதிய கண்டுபிடிப்புகளை தங்கள் நிறுவன மாணவர்கள் நிகழ்த்தியுள்ளனர் என்றும், இப்போது இருக்கும் இந்த ரோபோடிக் கண்டுபிடிப்பை மேம்படுத்தி அதை நடைமுறைக்கு கொண்டு வருவதே தங்களின் நோக்கம் என்று தெரிவித்தார் மாணவர் ராகவ் வைத்தியநாதன்.



மேலும், ரோபோ உருவாகும் யோசனைக்கும் அதை சந்தைக்கு கொண்டு வருவதற்கும் உள்ள தூரத்தை நீக்க முயற்சிப்பதே தங்களின் எதிர்கால திட்டம் என்றும் கூறுகிறார் ராகவ் வைத்தியநாதன்.

Date: 1st November 2017

Publication: Rajasthan Patrika

Edition: Kolkata/Delhi

Page no.: 9

Journalist: NA

Headline: Robots Created for a Clean India

कमाल का है यह रोबोट, करेगा गंदगी का सफाया

बनाया कीर्तिमान...

आ आईआईटी मद्रास के छात्रों की एक टीम ने गंदगी को साफ करने वाला एक रोबोट बनाया है। इस रोबोट ने बेन्गलूरु में आयोजित एक प्रतियोगिता में इतनी तेजी से सफाई की कि वह एशिया और इंडिया युवक ऑफ़ सिंबॉटिक्स के प्रतिनिधियों के सामने कीर्तिमान बनाने में सफल रहा। शोधकर्ताओं का कहना है कि इससे साम-सफाई को बड़ाका मिलने के साथ स्वच्छता मिशन को भी मजबूती मिलेगी।

मात्र 15 मिनट में 750 वर्गफुट जमीन की सफाई

क्या गंदगी से राहत दिलाने में रोबोट हमारी मदद कर सकता है, विश्व पर आईआईटी मद्रास में आयोजित रोएवजआई चर्केशीप में अलग-अलग टुकड़ों के 270 छात्र शामिल हुए। पानी पर छात्रों के समूह की ओर से बनाए गए 45 रोबोट्स ने यह करिबान कर दिखाया। प्रतियोगिता के दौरान रोबोट्स की मदद से सफाई अभियान चलाया गया। 15 मिनट में 750 वर्ग फुट जमीन की सफाई करने में रोबोट सफल रहा।



रिकॉर्ड दर्ज... प्रतियोगिता में रोबोट्स की इतना का प्रदर्शन करने के लिए पहला युवक ऑफ़ सिंबॉटिक्स और इंडिया युवक ऑफ़ सिंबॉटिक्स के प्रतिनिधि भी बेन्गलूरु पर मौजूद थे। छिद्र में सबसे तेज सफाई का इतना रिकॉर्ड बनाया।

आरपीएम मोटर से लैस

इस रोबोट के केन्द्र में आरपीएम मोटर का इस्तेमाल किया गया है। इसमें दो डेटेक्टिंग स्पार्क पैड्स लगाए गए हैं, ताकि धुल कणों को साफ करने में मदद मिले। इसे चलाने पर फिल्टर के जरिये धुलकणों को रोबोट के तुरंत में चला किया जाता है। रोबोट्स को पड़पाठ वेल्ड परिचयकन वाले मेकबल और बटूटस से नियंत्रित किया जा सकता है। एशिया और इंडिया युवक ऑफ़ सिंबॉटिक्स के प्रतिनिधियों ने इतनी तेज अंदाज से, तक करने की कार्रवाईयों के लिए प्रेरितकल लॉजिस्टिक्स जरी कर दिया। अंतिम लॉजिस्टिक्स वैज्ञानिक अध्ययन व जंग के बाद भेज दिया गया।

यह है मकसद

आईआईटी मद्रास के छात्रों का उद्देश्य है कि रोबोट को फेयर करने के पीछे उनका मुख्य उद्देश्य स्वच्छता को बढ़ावा देना है, ताकि वेल्ड जलकाय के स्वच्छता अभियान को स्वच्छता मिल सके और लोगों में स्वच्छता के रोबोट जगतकल जगता बंदे। इसका सबसे बड़ा फायदा उन कमजोरी लोगों को मिलेगा, जिन्हें फल समय नहीं है और इस तरह से वह खुद सफाई नहीं कर पाते। ऐसे लोग इतनी मदद से अलग से गंदगी की समस्या का निवारण कर सकेंगे। छात्रों ने यह भी कहा कि इनसे रिकॉर्ड के बारे में तो सोच ही नहीं था। यह लोने पर दुस्मय जैसा है।

Date: 1st November 2017

Publication: Chennai Patrika

Edition: Online

Journalist: NA

Professor: Prof B. Ravindran

Alumni/student: Gaurav Lodha

Headline: IIT Madras students set Asia, India Records for operating Largest Number of Robots to clean an Area

URL: <http://news.chennaipatrika.com/post/2017/10/31/IIT-Madras-students-set-Asia-India-Records-for-operating-Largest-Number-of-Robots-to-clean-an-Area.aspx>

IIT Madras students set Asia, India Records for operating Largest Number of Robots to clean an Area

Chennai: Indian Institute of Technology Madras students from the Centre For Innovation (CFI) have set the Asia and India Records for operating the "Largest Number of Robots Cleaning an Area."

Representatives from the Asia Book of Records and India Book of Records adjudicated the event, which took place between 6 p.m. and 8 p.m. on Sunday (29th October 2017) at Students Activities Centre (SAC) in the campus.

A Provisional Certificate was awarded on Sunday itself after the successful completion of the exercise. The Final certification would follow after Validation and Assessment of the record evidences submitted by the Investigation Team of Asia Book of Records and the India Book of Records.

As many as 270 students belonging to several disciplines fabricated a total of 45 Robots at the CFI Workshop in IIT Madras. Each robot consisted of a high RPM motor at its centre, with two rotating scrub pads that directed the dust into the Central Suction Mechanism, which was collected by a filter in the vacuum tunnel. They were controlled over Bluetooth from an App based on Android platform.

The robots cleaned an area of 750 sq.ft. simultaneously for more than Fifteen Minutes without stopping to set the Record. No manual intervention was allowed inside the cleaning area after the start of the exercise.

Speaking about the initiative, Prof B. Ravindran, Faculty-in-Charge, CFI, said, "Robotics is one of the oldest co-curricular activity "at IIT Madras. In the past, IITM teams have successfully participated in various global competitions. This record is the latest in the list of achievements of the robotics groups at the Centre for Innovation."

Another major aim of this initiative is to sustain, spread and strengthen the concept of Swachh Bharat Abhiyan (A Clean India Initiative) by some of the most skilled students in the Premier Engineering institute in the country. The City Union Bank (CUB) generously supported this event through their CSR funds to IIT Madras.

Mr. Gaurav Lodha, Student Executive Head, CFI, and a Fourth Year Dual-Degree Student, Department of Civil Engineering, said, "This will also impart technical training to I Year students by teaching them the basics of Electronics, Robotics, Automation, Wireless Communication, 3D Printing, Rapid Prototyping and Software Modelling along with soft skills like Teamwork, Time Management, Problem-Solving, Communication and Leadership."

A lot of concepts are taught to IIT Madras First Year students, a combination of theory and hands-on experience. This exercise would provide the freshmen a wholesome one-to-one hands-on exposure and an opportunity to make something of their own, Mr. Gaurav Lodha added.

The Asia Book of Records and the India Book of Records issued detailed guidelines and criteria for conduct of the event as per the 2018 Edition of International Protocol of Records (IPR).

Date: 1st November 2017

Publication: BL on Campus

Edition: Online

Journalist: Ananya Revanna

Alumni/students: Lokesh Kumar, K Akanksh & S Ragul

Headline: 3D printing lends animals a helping hand

URL: <http://www.bloncampus.com/hangout-at-bloc/3d-printing-lends-animals-a-helping-hand/article9935158.ece>

3D printing lends animals a helping hand



IIT Madras students are using the tech to create prosthetics for injured animals on their campus
Three students of IIT Madras had a unique problem to solve, and it had nothing to do with engineering, but restoring the limbs of injured animals on campus.

Lokesh Kumar, head of the 3D Printing Club of IIT Madras, and a second-year M.Tech (civil engineering) student, explains that there are many injured animals on campus and 3D printing could help them. This motivated him, K Akanksh, a second-year B.Tech-dual degree (civil engineering) student, and S Ragul, a Ph.D. scholar in the department of electrical engineering, to design prosthetics for such amputee animals.

Among the many applications of 3D printing, one — that gives animals a second chance at an active life — has found significant popularity on the internet. Inspired by how the technology helped Derby, the husky born with severely underdeveloped front legs; Baggpipes, the little (blue) penguin who had its leg amputated after it got stuck in a fishing line; and Akut, a loggerhead turtle whose mandible was mutilated, the three are working on prosthetic models that can be customised according to an animal's needs.

They have already put the idea to test, though it is still in its preliminary stages. Since IIT Madras is not equipped with veterinary facilities they had to look outside for help. “We wrote to 16 NGOs in Chennai and Bengaluru, asking if they'd be interested in collaborating with us. People for Animals (PFA) from Bengaluru replied, saying they had a macaque that was missing two limbs, and we were welcome to have a look at it,” says Lokesh.

This invitation took them to the PFA campus, where they met Dr Karthik, who helped them scan the macaque's amputated leg with a 3D scanner. Why not the amputated arm as well? “Putting in prosthetics for the arm is a much more cumbersome process. Chances of the artificial limb working on the legs are better,” explains Lokesh.



A view of the third model.

Perfecting the design

They brought back the scans, uploaded them into 3D modelling software and designed different types of legs. So far, the club has created three designs. Lokesh elaborates. “The first one was simple: it had an oval base and a cylindrical upper portion. The problem with this was that it was too rigid at the joints. We switched to a screw-based mechanism for the second model. The screw and bolt were used to provide flexibility to move forward and backward. But on application of pressure, the cylindrical upper portion would bend at an awkward angle.”

As the saying goes, third time’s the charm. The group added springs to the third impression to bear the shocks. In addition, they put in holes to hold an elastic Velcro strap that will keep the leg in place. “We also plan to add cushioning to make it more comfortable,” he says.

When testing the third model on the macaque from PFA they found some problems with their design. First, the method of installation needs more research. “While this macaque didn’t meddle with the straps, one can’t be sure others won’t. And since she isn’t kept in an enclosed space, other macaques can tamper with it. This is why the colour of the leg we made also needs to change. We used bright green, which can make other macaques curious about it, and they could hurt the prosthetic-fitted animal,” says Lokesh.



Flexible material

The doctor also said that the leg needs to be thinner: "It is thicker than an actual leg," admits Lokesh. "However, if we make it thinner, it might compromise the strength of the structure."

As a solution, they plan to use NinjaFlex flexible polyurethane, which has better flexibility, longevity, and density of 1.19g/cc as compare to PLA, which has density of 1.25g/cc. "This will make the leg lighter," assures Lokesh.

Though this isn't a solution that can be mass implemented as it requires customisation according to the animal, it could help many injured animals that struggle to walk. While one might think this method is expensive, Lokesh says that it costs less than ₹500 per limb. And once the scans are uploaded, it takes seven to eight hours to make a small limb. It took the team three hours to make the bottom half and another hour to print the upper half for this macaque.

If needed, they can also insert a tracking device to monitor the injured animal. Amid charges that the wildlife inside IIT Madras campus are being neglected, this seems like a fitting solution to help some of them.

Date: 3rd November 2017

Publication: Gizmodo

Edition: Online

Journalist: NA

Headline: IIT-Madras students enters Asia Book of Records

URL: <http://www.gizmodo.in/techgig/iit-madras-students-enters-asia-book-of-records/articleshow/61462022.cms>

IIT-Madras students enters Asia Book of Records

IIT-Madras students fabricated 45 robots to clean simultaneously for over 15 minutes. A major aim of the initiative was to sustain, spread and strengthen the concept of Swachh Bharat Abhiyan.

IIT-Madras students have set the Asia and India records for operating the largest number of robots to clean an area. The students fabricated 45 robots to clean simultaneously for over 15 minutes.

A total of 270 students from various disciplines participated in the CFI Workshop at IIT-Madras on Sunday where the robots cleaned an area of 750 square feet.

Each robot had a high RPM motor at its centre, with two rotating scrub pads that directed the dust into the central suction mechanism, which was collected by a filter in the vacuum tunnel.

The robots were controlled over Bluetooth via an Android-based application.

Representatives of the Asia Book of Records and the India Book of Records adjudicated the event, which took place at Students Activities Centre on the campus.

A provisional certificate was awarded after the successful completion of the exercise.

The final certification would follow after validation and assessment of the record evidences. Another major aim of this initiative was to sustain, spread and strengthen the concept of Swachh Bharat Abhiyan, said the institute.

Date: 4th November 2017

Publication: Gears of Biz

Edition: Online

Journalist: Daniela Blot

Professor: Prof B Ravindran

Alumni/student: Gaurav Lodha

Headline: IIT-Madras students set record with 45 robotic cleaners

URL: <http://gearsofbiz.com/iit-madras-students-set-record-with-45-robotic-cleaners/170251>

IIT-Madras students set record with 45 robotic cleaners

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Date: 4th November 2017

Publication: The Times of India

Edition: Bangalore

Page no.: 4

Journalist: NA

Alumni/students: Gobinath P, Shreeram R, Akhilesh DSN & Santosh G V

Headline: Foldable house for disaster victims

Foldable house for disaster victims

The 2015 Chennai floods and refugee crisis across the world prompted three students of IIT, Madras to invent a foldable house to rehabilitate disaster victims. The project by fourth-year civil engineering students Gobinath P, Shreeram R, Akhilesh DSN and Santosh G V won Azim Premji University's national-level Social Enterprise Idea Challenge in Bengaluru. "During disasters when people need shelter, time management is a crucial factor. This housing facility can be installed in 15 minutes by any non-technical person; it can be folded 32 times its original size and taken anywhere," Gobinath said. TNN

Date: 5th November 2017

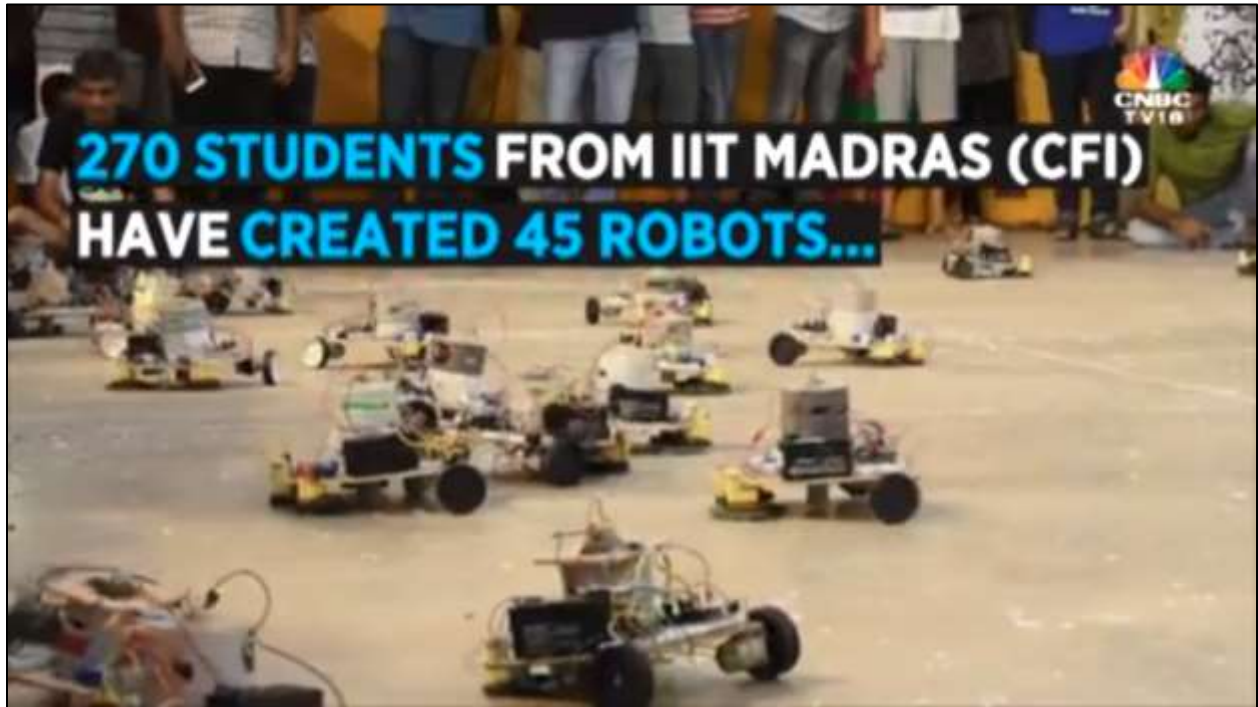
Publication: CNBC TV 18

Edition: Online

Journalist: NA

Headline: Cleaning bots for a 'Swachh Bharat'?

URL: <https://www.facebook.com/cnbctv18india/videos/1601285833242142/>



Date: 5th November 2017
Publication: Rajya Sabha TV
Edition: Electronic
Journalist: NA

Headline: IIT-Madras students make 45 robots clean an area in 15 Minutes



Date: 7th November 2017

Publication: The Times of India

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

Page no.: 14

Journalist: Sujit John, Shilpa Phadnis, Ranjani Ayyar & Shalina Pillai

Professor: Prof Jagadeesh Kumar

Headline: Specialisation in one field not good enough for future jobs, say educationists and employers

URL: <https://timesofindia.indiatimes.com/home/education/news/specialisation-in-one-field-not-good-enough-for-future-jobs-say-educationists-and-employers/articleshow/61538922.cms>

Specialisation in one field not good enough for future jobs, say educationists & employers

Sujit John & Shilpa Phadnis | THN

Sahana Subramanyam is a final year student at Azim Premji University in Bengaluru. She is majoring in economics and marketing in data science. She says she chose to focus also on data science because it bridges the demands of economics and her love for computer programming.

The university has a compulsory course for all students in quantitative reasoning, under which she chose to learn the Python programming language. In the data science course, among other things, she has learnt R, a programming language that enables you to manage and analyse massive data bases.

Sahana is already using Python to build a model for a research project on identifying how graded inequalities, such as caste, emerge in societies. "Programming languages allow you to use the power of the computer," Sahana says. It's a power that has touched extraordinary levels today.

Sahana's course combination allows her to do work that a traditional economics focused student would never be able to. "Take renewable energy; you cannot understand it without understanding



pace of this is unprecedented and we are not equipped to understand how these will change jobs of the future," she says. So it is necessary to equip youths so they are flexible enough to respond quickly to a new context.

Sagar Paul, head of client services at technology consultancy ThoughtWorks, notes that businesses are already going through massive contextual changes. Earlier, a steelmaker may at best move into adjacencies like building automobile or white goods plants. Today, a Google moves from a search engine to autonomous cars.

"So it requires employees to be able to shift context quickly. We need change makers. We are not hiring for skills anymore, but a certain aptitude," he says.

Paul also notes that all enterprises have become commoditised, with the adoption of technology and services used by individuals in the workplace. So his employees also need to relate to people much more. "Customers are human beings, and we need to be able to have huge empathy for them. Empathy is much higher among those from the liberal arts, the performing arts. So we need artists who are technologists, technologists who are artists," he says, adding that India needs to introduce liberal arts into all curriculum.

Shradhanjali Rao, head of human resources for India at enterprise software company SAP, brings in the imagery of a jungle gym and spider web to describe the kind of employee she values. A career, she says, is no more a ladder for you to grow in the same function one step at a time, but is a web of experiences across various functions and roles.

Paul Dupuis, CEO of Randstad India, which services the HR requirements of a number of large companies, says more Indian CEOs are discussing the need for multi-skilled employees. "Companies are looking for agile people who have a wide perspective. They want soft skills that might be acquired from a liberal arts back-

ground," he says.

Dewan of JustJobs believes changes must start at the school level and argues that six-month or one-year training programmes cannot make up for years of poor quality education.

Prof Jagadeesh Kumar, dean of academic courses at IIT Madras, says the institution wants its students to understand that as engineers, they can't say they will deal with only engineering problems. "Eleven per cent of the total coursework of a student involves working with disciplines including ethics, life-skills, environment and political science," he says.

Balakrishnan Shankar, associate dean

Take renewable energy, you cannot understand it without understanding economics, engineering, physics, politics. Real world is like that

—Anurag Behar
VICE-CHANCELLOR,
AZIM PREMJI UNIVERSITY



economics, engineering, physics, politics. Real world is like that," says Anurag Behar, vice-chancellor of Azim Premji University. He is critical of the way India has fragmented education.

Many countries do not have this siloed approach to higher education. And today, as technology transforms the world, a growing number of educationists and employers believe it's time for India to move to a cross-disciplinary education system.

Sahana Dewan is co-founder and president of JustJobs Network, a thinktank based in Washington and New Delhi focused on finding solutions to create more and better employment. Dewan says a confluence of mega trends — technology, urbanisation, trade, migration, and climate change — is drastically reshaping the global employment. "The scale and

You need a much broader perspective, not just depth of knowledge or expertise in one specific area... If work in one comes down, you can do more of the other

—Shradhanjali Rao
HEAD OF HR, SAP



at the school of engineering at Amritapuri in Kerala, says students are looking to merge big data with biology and social science. "Theories that you learn in big data or engineering can be applied to population of birds, movement of sand dunes or omics data," he says.

Rao of SAP says the ability to interpret and analyse data will soon become a base level expectation in all industries. This is why all undergraduate programmes at Azim Premji University have quantitative reasoning as a compulsory course. The university also has compulsory courses on public reasoning, which trains students on the art of public discussion, and on India, so that students can relate their core courses with the world outside.

With inputs from Ranjani Ayyar and Shalina Pillai

Date: 7th November 2017

Publication: Your Story

Edition: Online

Journalist: NA

Professor: Professor B Ravindran

Alumni/student: Gaurav Lodha

Headline: IIT Madras' Bluetooth-controlled robots sweep area clean, enter record books

URL: <https://yourstory.com/2017/11/iit-madras-robots/>

IIT Madras' Bluetooth-controlled robots sweep area clean, enter record books

Two hundred and seventy students of IIT Madras came together under the institute's Centre for Innovation (CFI), formed teams, and created 45 robots that cleaned a 750-sqft area with the help of rotating scrubbing pads. Monitored by representatives from Asia Book of Records and India Book of Records, this feat has set an Asian record for deploying the largest number of robots to clean a space.



Image source: NDTV

These robots, with high revolutions per minute (RPM) motors at their core, consisted of a couple of scrubbing pads directing the dust towards the central suction mechanism. A filter then collected the dust in a vacuum tunnel. The robots were controlled by Bluetooth through a mobile-based application the students had developed. A proximity ultrasound fixed to the robots ensured there were no collisions, and the robots simultaneously went about their task for five minutes.

Gaurav Lodha, Executive Student Head, CFI, told NDTV,

“This will also impart technical training to students by teaching them the basics of electronics, robotics, automation, wireless communication, 3D printing, rapid prototyping, and software modelling along with soft skills like teamwork, time management, problem-solving, communication, and leadership.”

With an objective to contribute to the Swachh Bharat Abhiyan, this innovation is further fuelling hopes that automated robots could take over manual scavenging and cleaning of sewer waste, eliminating human effort and burden.

Asian Book of Records presented a provisional certificate after the event. The final approval and certification will come in after due assessment of the evidence.

Professor B Ravindran, faculty-in-charge at CFI, told Deccan Herald,

Another major aim of this attempt is to sustain, spread, and strengthen the concept of Swachh Bharat Abhiyan by some of the most skilled students in the country’s premier engineering institute.

Date: 8th November 2017

Publication: The Hindu

Edition: Chennai

Page no.: 3

Journalist: Sangeetha Kandavel

Professor: Prof. Manu Santhanam

Alumni/students: Nori Archana, Sarayu Padmanaban & Sistla Meghana Aparna

Headline: IIT-M pre-placement offers up by 56%

URL: <http://www.thehindu.com/news/cities/chennai/iit-madras-sees-surge-in-pre-placement-offers/article19997623.ece>

IIT-M pre-placement offers up by 56%

Qualcomm, Microsoft, Citi, Goldman Sachs among major recruiters

SANGEETHA KANDAVEL
CHENNAI

The Indian Institute of Technology - Madras (IIT-M) has seen a 56% increase in the pre-placement offers (PPOs) for the academic year 2017-18. Students have received 114 PPOs this year compared to 73 during 2016-17. In 2015-16, they got 69 PPOs.

While core sectors accounted for the highest number of PPOs, there were also a large number of offers from financial services firms. There were offers from consulting and analytic firms too.

According to a statement

issued by the institution, the major recruiters were Qualcomm, Microsoft, Citi, Goldman Sachs, Samsung R&D, and Texas Instruments. Nearly 60% of the PPOs went to students of computer science and electrical engineering departments as the core engineering industry catered to the other engineering disciplines.

'Sense of work culture'

Sarayu Padmanaban, pursuing her fourth year of B. Tech, Electrical Engineering at IIT Madras, had an offer from Goldman Sachs. She told *The Hindu*, "Since stu-

dents have already done their internship in a particular firm, they have a sense of the work culture and their job roles. PPOs from the same firm where the student interned makes it easier for the candidate to work from day one. On the other hand, companies also know what your strengths are from day one," she said.

Nori Archana, a B.Tech Civil Engineering department student who will graduate in 2018, also had an offer from Goldman Sachs. She said, "The number of PPOs have increased tremendously this year, which

is a good sign for both companies and students. We can clearly infer from this that companies are drifting to a PPO sort of recruitment from conventional campus placements."

Sistla Meghana Aparna, a dual degree student at IIT-M who will graduate in 2019, said, "My internship at Microsoft was converted to a full-time offer."

Decision by students

Professor Manu Santhanam, adviser, training and placement, IIT-Madras, said: "The number of PPOs has increased because the number

of students opting for internships have gone up when compared to last two years." He said that accepting the PPOs was the students decision.

"In the past, more than 75% students have accepted the PPOs offered to them," he said.

To a query on the pay package offered through PPOs, the professor said that the salaries were on a par with what one got during the normal recruitment process. The internships for students were facilitated through an institute-coordinated process.

Date: 8th November 2017

Publication: The Hindu Business Line

Edition: Chennai/Delhi/Mumbai/Pune/Bangalore/Hyderabad/Kochi/Ahmedabad

Page no.: 20

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: IIT Madras' pre-placement offers surge

URL: <http://www.thehindubusinessline.com/news/iit-madras-placement-offers-surge/article9947439.ece>

IIT Madras' pre-placement offers surge

OUR BUREAU

Chennai, November 7

Indian Institute of Technology, Madras, witnessed a 56 per cent increase in pre-placement offers (PPOs) this academic year (2017-18) with internships offered for students by large recruiters like Microsoft, Qualcomm and Goldman Sachs.

As on November 6, a total of 114 PPOs were offered to students as against 73 in preceding academic year (2016-17), says a press release.

Manu Santhanam, Advisor, Training and Placement, IIT Madras, said the internships are facilitated through an Institute-coordinated process. The PPOs are a reward for excellent performance of students in internships.

Nearly 60 per cent of PPOs went to students of Computer Science and Electrical Engineering Departments as the Core Engineering Industry caters to the other engineering disciplines, the release said.

Date: 8th November 2017

Publication: The Times of India

Edition: Mumbai/Pune

Page no.: 4

Journalist: Hemali Chhopia

Professor: Prof. Manu Santhanam

Headline: Pre-placement up at IITs; Wipro, Microsoft among big recruiters

URL: <https://timesofindia.indiatimes.com/city/mumbai/iit-grads-snap-up-markedly-higher-pre-placement-offers/articleshow/61551718.cms>

Pre-placement up at IITs; Wipro, Microsoft among big recruiters

Acceptance Rate Peaks; Comp Science, Electrical Engg In Favour

Hemali.Chhopia
@timesgroup.com

Mumbai: Pre-placement offers or PPOs are on the rise at the Indian Institutes of Technology and acceptance rates on students' part have peaked too. Companies such as Qualcomm, Samsung, Microsoft, Goldman Sachs and Amazon are avoiding the early placement rush and instead offering jobs to the graduating class of 2018 via the PPO route.

PPOs at IIT Delhi have touched almost 170 and the count at IIT Madras is 114—a 56% rise in pre-placement offers from the previous year. IIT Kanpur has got around 125; the number is 134 at IIT Bombay, 125-plus at IIT Roorkee and 110 at IIT Guwahati. Acceptance at Delhi is a little over 50% and it's 75% at Madras. Among the younger institutes, students of IIT Hyderabad have already got 45 PPOs

STUDENTS 'THRILLED'				FIRMS OFFERING INT'L PPOS THIS YR	
PPOS RECEIVED AT		ACCEPTANCE OF OFFERS AT		Daikin, Samsung, Deutsche Bank, BayCurrent Consulting	
IIT Delhi	IIT Roorkee	IIT Delhi	IIT Madras	At most institutes, 55-60% of PPOs have gone to students of computer science and electrical engineering	
Nearly 170	125-plus	50%	75%		
IIT Madras	IIT Guwahati				
114	110				
IIT Kanpur	IIT Hyderabad	TOTAL PPOS OFFERED IN IIT-S			
125	45	2016	2016		
IIT Bombay	IIT Ropar	2017 (till date)	2015		
134	10	134	150		

and IIT-Ropar 10 (15 in 2016).

Professor Manu Santhanam, advisor, training and placement, IIT Madras, said: "One of the principal reasons is an increase in the number of internships in companies that are large recruiters. The PPOs are a reward for the excellent performance of students in internships." The placement officer at IIT Delhi said, "Not only is the number of PPOs higher this year, even the acceptance rate has gone up. It is normally not so high."

"More than 90% students

have accepted the PPOs. This year has seen an exceptionally high number because they have received very good PPOs of quality jobs," said N P Padhy, placement head, IIT Roorkee.

At most institutes, nearly 55-60% of the PPOs have gone to students of computer science and electrical engineering. Qualcomm, Microsoft and Wipro are the largest recruiters on most campuses. Last year, Samsung, which picked a host of IITians last year through the PPO route, was among the top payers.

Each IIT has a different poli-

cy for students who accept PPOs. Some IITs such as Madras don't allow such candidates to participate in the placement season. Some other institutes such as IIT Bombay ask companies if the candidates can continue to sit for interviews and keep their choices open.

Students are thrilled that the PPOs are pouring in. "It looks like a good placement season," said one and added that hiring was picking up and that internship was a great way for candidates to test the waters before signing up for a job.

"Our departments' emphasis on criticality of summer internships and the popular trend among recruiters is to hire tried-and-tested talent and make an informed decision," said an IIT Kanpur faculty.

The placement season kicks starts on December 1 and PPOs come in till the end of October. "The vagaries of the economy due to demonetization had hit placements last year. A lot of start-ups were blacklisted too. That had an impact on last year's placement. But this season looks good already," said a placement team member from IIT Roorkee.

Date: 8th November 2017

Publication: The Financial Express

Edition: Delhi/Bangalore/Chennai

Page no.: 21

Journalist: NA

Headline: IIT-Madras sees 56% jump in pre-placement offers

URL: <http://www.financialexpress.com/india-news/iit-madras-sees-56-jump-in-pre-placement-offers/923786/>

IIT-Madras sees 56% jump in pre-placement offers

FE BUREAU

Chennai, November 7

THE INDIAN INSTITUTE of Technology, Madras, (IIT M) has seen a significant increase of 56% in the pre-placement offers (PPOs) this academic year (2017-18).

As many as 114 PPOs have been received as on November 6 by the students against 73 in the preceding academic year (2016-17).

While the core sectors accounted for the highest number of PPOs, there were also a number of offers from financial services firms. The major recruiters were Qualcomm, Microsoft, Citi, Goldman Sachs, Samsung R&D and Texas Instruments.

Date: 8th November 2017

Publication: Business Standard

Edition: Online

Journalist: T E Narasimhan

Professor: Prof. Manu Santhanam

Headline: 56% hike in pre-placement offers in IIT Madras

URL: http://www.business-standard.com/article/current-affairs/56-hike-in-pre-placement-offers-in-iit-madras-117110700650_1.html

56% hike in pre-placement offers in IIT Madras

The Indian Institute of Technology, Madras (IIT-M) has reported a 56 per cent increase in the pre-placement offers (PPOs) this academic year (2017-18).

As many as 114 PPOs have been received as of November 6, 2017, by the students, against 73 in the last academic year (2016-17).

Manu Santhanam, Advisor, Training and Placement, IIT-M, said that one of the principal reasons behind this jump is the increasing number of internships in companies that are large recruiters such as the American Software company Microsoft, the telecommunications equipment firm Qualcomm and the multinational financial services firm Goldman Sachs.

While the Core Sectors accounted for the highest number of PPOs, there were also a large number of offers from financial services firms.

The major recruiters were Qualcomm, Microsoft, Citi, Goldman Sachs, Samsung R&D, and Texas Instruments.

Nearly, 60 per cent of the PPOs went to students of Computer Science and Electrical Engineering Departments as the Core Engineering Industry caters to the other engineering disciplines.

Date: 8th November 2017
Publication: The New Indian Express
Edition: Chennai
Page no.: 5
Journalist: NA

Headline: Pre-placement offer jump at IIT-Madras

Pre-placement offer jump at IIT-Madras

IIT-Madras has seen a significant increase in the pre-placement offers (PPOs) this academic year. A look

114

PPOs received till November six this year

73

PPOs received last year in the corresponding period

56%

increase in the number of PPOs from last year

60

PPOs this year went to computer science, electrical engg departments

SECTOR	PER CENT
Core R&D	63.5
Financial Services	25
Analytics	8.3
Consulting	3.1

Date: 8th November 2017

Publication: Deccan Chronicle

Edition: Chennai

Page no.: 5

Journalist: NA

Professor: Prof. Manu Santhanam

Alumni/student: Sistla Meghana Aparna

Headline: IIT-M sees jump in pre-placement offers

IIT-M sees jump in pre-placement offers

Chennai: Despite the downward trend in campus placements in top engineering institutions across the state, IIT Madras has witnessed significant increase of 56 per cent in pre-placement offers this year compared to last year.

As many as 114 offers have been received by the institute as against 73 offers last year.

Professor Manu Santhanam, adviser, Training and Placement, IIT Madras, attributed the increase in the number of internships in large recruiters such as Microsoft and Qualcomm.

"The offers are reward for the excellent performance of the students in internships," he said in a release on Tuesday.

Though the core sectors accounted for the highest number of pre-placement offers, students received many offers from financial services firms as well.

Sistla Meghan's Aparna, a dual degree student who will graduate in 2019 said, "My internship at Microsoft was converted into a full time offer."

Date: 8th November 2017

Publication: The Times of India

Edition: Online

Journalist: Ranjani Ayyar

Professor: Prof. Manu Santhanam

Headline: IIT-Madras sees 56% jump in pre-placement offers

URL: <https://timesofindia.indiatimes.com/city/chennai/iit-madras-sees-56-jump-in-pre-placement-offers/articleshow/61546553.cms>

IIT-Madras sees 56% jump in pre-placement offers

CHENNAI: Indian Institute of Technology - Madras saw a 56% jump in the pre-placement offers (PPOs) this academic year (2017-18).

As on November 6, as many as 114 PPOs have been received by students of IIT Madras as against 73 in the preceding academic year (2016-17).

Manu Santhanam, advisor, training and placement, IIT-Madras, said: "One of the principal reasons is an increase in the number of internships in companies that are large recruiters such as the American Software company Microsoft, the telecommunications equipment firm Qualcomm and the multinational financial services firm Goldman Sachs."

While the core sectors accounted for the highest number of PPOs, there were also a large number of offers from financial services firms. The major recruiters were Qualcomm, Microsoft, Citi, Goldman Sachs, Samsung R&D and Texas Instruments.

Nearly 60% of the PPOs went to students of computer science and electrical engineering departments as the core engineering industry caters to the other engineering disciplines.

Date: 8th November 2017

Publication: Samayam

Edition: Online

Journalist: NA

Headline: IIT Madras students get jobs even before graduating

URL: <https://tamil.samayam.com/education-news/iit-madras-sees-56-jump-in-pre-placement-offers/articleshow/61549381.cms>

படிப்பை முடிக்கும் முன்பே வேலை வாங்கிய சென்னை ஐஐடி மாணவர்கள்!

சென்னை: சென்ற ஆண்டைக் காட்டிலும் 56% அதிக வேலைவாய்ப்புகளை சென்னை ஐஐடி மாணவர்கள் பெற்றுள்ளதாக தகவல் வெளியாகி உள்ளது.

சென்ற கல்வி ஆண்டில் சென்னை ஐஐடியைச் சேர்ந்த 73 மாணவர்கள் படிப்பை முடிக்கும் முன்பே வேலை பெற்றனர். இந்த ஆண்டு அதைக் காட்டிலும் 56% அதிகமாக 114 மாணவர்கள் வேலை வாங்கியுள்ளனர்.

முன்னணி நிறுவனங்களான குவால் காம், மைக்ரோசாப்ட், சிட்டி, சாம்சங் ஆர்&டி போன்றவற்றில் வேலைவாய்ப்புகளைப் பெற்றுள்ளனர். இதற்கு முக்கிய காரணம் இந்த முன்னணி நிறுவனங்களில் இன்டர்ன்சிப் செய்ததே என்று கல்லூரி நிர்வாகம் தெரிவித்துள்ளது.

Date: 8th November 2017

Publication: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Alumni/students: Nori Archana & Sistla Meghana Aparna

Headline: IIT Madras sees jump of 56% in Pre-Placement Offers

URL: <http://skilloutlook.com/education/iit-madras-sees-jump-56-pre-placement-offer>

IIT Madras sees jump of 56% in Pre-Placement Offers

Chennai, 07 November 2017: Indian Institute of Technology (IIT) Madras has seen a significant increase of 56 per cent in the pre-placement offers (PPOs) this academic year (2017-18). As many as 114 PPOs have been received as of 6th November 2017 by students of IIT Madras as against 73 in the preceding academic year (2016-17).

Speaking about the increase in PPOs this year, Prof. Manu Santhanam, Advisor, Training and Placement, IIT Madras, said: "One of the principal reasons is an increase in the number of internships in companies that are large recruiters such as the American Software company Microsoft, the telecommunications equipment firm Qualcomm and the multinational financial services firm Goldman Sachs."

The internships for students are facilitated through an Institute-coordinated process. The PPOs are a reward for the excellent performance of the students in the internships, said Prof. Manu Santhanam.

While the Core Sectors accounted for the highest number of PPOs, there were also a large number of offers from financial services firms. The major recruiters were Qualcomm, Microsoft, Citi, Goldman Sachs, Samsung R&D, and Texas Instruments.

Nearly 60 per cent of the PPOs went to students of Computer Science and Electrical Engineering Departments as the Core Engineering Industry caters to the other engineering disciplines.

Ms. Nori Archana, a B.Tech Civil Engineering Department student who will graduate in 2018 and has got a PPO from Goldman Sachs, said, "The number of PPOs have increased tremendously this year as compared to the previous one which is a good sign for both companies and students. We can clearly infer from this that companies are drifting to a PPO sort of recruitment from conventional Campus Placements."

Ms. Sistla Meghana Aparna, a Dual Degree student who will graduate in 2019, said, "My internship at Microsoft was converted to a full-time offer. The entire process of getting an internship at Microsoft and conversion to PPO was eased with the help of Placement Office and I would like to thank them for the same."

Date: 9th November 2017

Publication: Life 365

Edition: Pune

Page no.: 1

Journalist: NA

Headline: 45 robots clean an area in 15 minutes

45 robots clean an area in 15 minutes

NEWSMAKERS

Sweeping it clean figuratively and literally, IIT Madras students may have set an all-new Asian and Indian record for deploying the largest number of robots to clean an area.

These young innovators created over 45 robots and swept an area of 750 square feet clean, putting all of them to use in less than 15 minutes. Over 270 students from various disciplines participated in the CFI Workshop at IIT-Madras recently. These 45 robots were



controlled over Bluetooth via an Android-based application. The event which took place at Students Activities Centre on the campus was monitored by representatives of the Asia Book of Records and the India Book of Records. Marvelled by the feat,

a provisional certificate was awarded to the students after they successfully demonstrated completion of the exercise. The final certification is still pending and is expected to happen after due validation and assessment of the record evidences.

Date: 9th November 2017

Publication: The Herald

Edition: Online

Journalist: NA

Professor: Prof Jagadeesh Kumar

Headline: Future jobs require engineering skills, economics and literature

URL: <http://www.herald.co.zw/future-jobs-require-engineering-skills-economics-and-literature/>

Future jobs require engineering skills, economics and literature

NEW DEHLI. - Sahana Subramanyam is a final year student at Azim Premji University in Bengaluru. She is majoring in economics and minoring in data science. She says she chose to focus also on data science because it bridges the demands of economics and her love for computer programming.

The university has a compulsory course for all students in quantitative reasoning, under which she chose to learn the Python programming language. In the data science course, among other things, she has learnt R, a programming language that enables you to manage and analyse massive data bases. Sahana is already using Python to build a model for a research project on identifying how graded inequalities, such as caste, emerge in societies. Python enables you to build predictive models significantly faster than traditional methods.

“Programming languages allow you to use the power of the computer,” Sahana says. It’s a power that has touched extraordinary levels today.

Sahana’s course combination allows her to do work that a traditional economics focused student would never be able to do. Her programming strengths also give her the ability to look way beyond economics, considering technology has become core to every field and industry. Her university actively encourages these combinations. There are students majoring in physics and taking education as a minor, combining economics with sustainability, biology with economics, physics with sociology, economics, and the history of India.

“Take renewable energy, you cannot understand it without understanding economics, engineering, physics, politics. Real world is like that,” says Anurag Behar, vice chancellor of Azim Premji University.

He is critical of the way India has fragmented education. He agrees it’s absolutely important to learn a discipline deeply, be it sociology or electrical engineering.

“But it is in real life that you apply these disciplines,” he says. So you need to understand other aspects of life.

Many countries around the world do not have this siloed approach to higher education. Today, as the world gets transformed by technology and other trends, a growing number of educationists and employers believe it’s time for India to move to a cross-disciplinary education system.

Sabina Dewan is co-founder & president of JustJobs Network, a think-tank based in Washington and New Delhi focused on finding solutions to create more and better employment. She previously worked with the International Labour Organisation in Switzerland, and the European Commission in Belgium.

Dewan says the world is at a crossroads, with a confluence of mega trends – technology, urbanisation, trade, migration, and climate change – drastically reshaping the global employment landscape.

“The scale and pace of this is unprecedented and we are not equipped to understand how these will change jobs of the future,” she says.

So it is necessary to equip young people in a way that they are flexible enough to respond quickly to a new context. Sagar Paul, head of client services at technology consultancy.

ThoughtWorks, notes that businesses are already going through massive contextual changes. Earlier, a steelmaker may at best move into adjacencies like building automobile or white goods plates. Today, a Google moves from a search engine to autonomous cars, and an Apple from PCs to phones to watches.

“So it requires employees to be able to shift context quickly. We need change makers in the organisation. We are not hiring for skills anymore, but a certain aptitude,” he says.

Paul also notes that all enterprises have become consumerised, with the adoption of technology and services used by individuals in the workplace. So his employees also need to relate to people much more.

“My interview checks for empathy, solidarity. Customers are human beings, and we need to be able to have huge empathy for them. Empathy is much higher among those from the liberal arts, the performing arts.

So we need artists who are technologists, technologists who are artists, people who can also come up with independent thoughts and make it a movement,” he says, adding that India needs to introduce liberal arts into all curriculum.

“With our current education, we are solving 20th century problems, not 21st century ones,” he says.

Shraddhanjali Rao, head of human resource for India at enterprise software company SAP, brings in the imagery of a jungle gym and spider web to describe the kind of employee she values. A career, she says, is no more a ladder for you to grow in the same function one step at a time, but is a web of experiences across various functions and roles.

“You need a much broader perspective, not just depth of knowledge or expertise in one specific area,” she says.

And if a person has two interests, say journalism and psychology or UX (user experience) design and social media, Rao says she can also work with the person in a multiple-engagement model.

“If work in one comes down, then you can do more of the other,” she says.

Paul Dupuis, CEO of Randstad India, which services the HR requirements of a number of large companies, says more and more Indian CEOs are discussing the need for multi-skilled employees. “Companies are looking for people who are agile, have a wide perspective. They want soft skills that might be acquired from a liberal arts background,” he says.

Dewan of JustJobs believes changes must start at the school level itself and argues that six-month or one-year training programmes cannot make up for years of poor quality education provided to especially those in the lower economic strata. She’s pushing for introduction of employability skills at the secondary school level – skills in new technology areas, basic financial management skills, soft skills.

Prof Jagadeesh Kumar, dean of academic courses at IIT Madras, the institution wants its students to understand that as engineers, they cannot say they will deal with only engineering problems.

“Eleven percent of the total coursework of a student involves working with other disciplines including ethics, life skills, environment, political science and others,” he says.

IIT Madras even offers engineering economics as a subject.

“The idea is to learn what kind of engineering will survive in the commercial world,” Kumar says.

Balakrishnan Shankar, associate dean of the school of engineering at Amritapuri in Kerala, says students are looking to merge big data with biology and social science.

“Theories that you learn in big data or engineering can be applied to population of birds, movement of sand dunes or census data,” he says.

Rao of SAP says the ability to interpret and analyse data will soon become a base level expectation in all industries.

This is the reason why all undergraduate programmes in Azim Premji University have quantitative reasoning as a compulsory course. The university also has two other compulsory courses for all: one on public reasoning, which trains students on the art of public discussion with respect for pluralism, and the other on India, its history, sociology, so that students can relate their core courses with the world outside.

Behar says the success of the approach can be seen in the fact that the university’s undergraduate students are writing for peer-reviewed academic journals like the Economic & Political Weekly (EPW). It can also be seen in the confidence with which an undergraduate student in economics speaks about programming.

Asked why she likes R over data analysis software like Stata, Sahana says, “I like R because it’s open source, it allows you way more control over what you do, and allows more ways of thinking about a problem.”

Date: 10th November 2017
Publication: Chennai Patrika
Edition: Online
Journalist: NA

Professor: Prof. Manu Santhanam

Alumni/students: Nori Archana & Sistla Meghana Aparna

Headline: IIT Madras sees jump of 56% in Pre-Placement Offers

URL: <http://news.chennaipatrika.com/post/2017/11/09/IIT-Madras-sees-jump-of-56-percent-in-Pre-Placement-Offers.aspx>

IIT Madras sees jump of 56% in Pre-Placement Offers

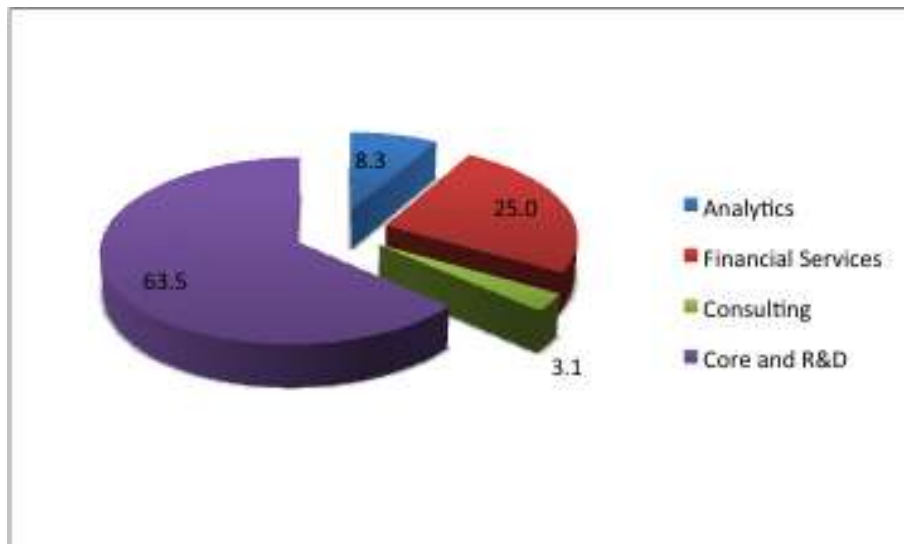
114 PPOs received from large firms such as Microsoft, Qualcomm, Goldman Sachs compared to 73 last year

Chennai, 07 November 2017: Indian Institute of Technology Madras has seen a significant increase of 56 per cent in the pre-placement offers (PPOs) this academic year (2017-18). As many as 114 PPOs have been received as of 6th November 2017 by students of IIT Madras as against 73 in the preceding academic year (2016-17).

Speaking about the increase in PPOs this year, **Prof. Manu Santhanam, Advisor, Training and Placement, IIT Madras**, said: *“One of the principal reasons is an increase in the number of internships in companies that are large recruiters such as the American Software company Microsoft, the telecommunications equipment firm Qualcomm and the multinational financial services firm Goldman Sachs.”*

The internships for students are facilitated through an Institute-coordinated process. The PPOs are a reward for the excellent performance of the students in the internships, said **Prof. Manu Santhanam**.

The sector-wise distribution of the PPOs is shown below:



While the Core Sectors accounted for the highest number of PPOs, there were also a large number of offers from financial services firms. The major recruiters were Qualcomm, Microsoft, Citi, Goldman Sachs, Samsung R&D, and Texas Instruments.

Nearly 60 per cent of the PPOs went to students of Computer Science and Electrical Engineering Departments as the Core Engineering Industry caters to the other engineering disciplines.

Ms. Nori Archana, a B.Tech Civil Engineering Department student who will graduate in 2018 and has got a PPO from Goldman Sachs, said, *"The number of PPOs have increased tremendously this year as compared to the previous one which is a good sign for both companies and students. We can clearly infer from this that companies are drifting to a PPO sort of recruitment from conventional Campus Placements."*

Ms. Sistla Meghana Aparna, a Dual Degree student who will graduate in 2019, said, *"My internship at Microsoft was converted to a full-time offer. The entire process of getting an internship at Microsoft and conversion to PPO was eased with the help of Placement Office and I would like to thank them for the same."*

Date: 10th November 2017

Publication: The Asia Times

Edition: Online

Journalist: NA

Headline: IIT-Madras sees 56% jump in pre-placement offers

URL: <http://theasiatimes.in/iit-madras-sees-56-jump-in-pre-placement-offers/>

IIT-Madras sees 56% jump in pre-placement offers

As many as 114 PPOs have been received as on November 6 by the students against 73 in the preceding academic year (2016-17).

The Indian Institute of Technology, Madras, (IIT M) has seen a significant increase of 56% in the pre-placement offers (PPOs) this academic year (2017-18). As many as 114 PPOs have been received as on November 6 by the students against 73 in the preceding academic year (2016-17). While the core sectors accounted for the highest number of PPOs, there were also a number of offers from financial services firms. The major recruiters were Qualcomm, Microsoft, Citi, Goldman Sachs, Samsung R&D and Texas Instruments.

Date: 13th November 2017

Publication: The Times of India

Edition: Delhi

Page no.: 14

Journalist: NA

Headline: Pre-placement offers



PRE-PLACEMENT OFFERS

Indian Institute of Technology (IIT) Madras has received 114 pre-placement offers (PPO) till the first week of November. Nearly 60% of the PPOs went to students with core engineering departments like computer science and electrical engineering.

Date: 13th November 2017
Publication: The Times of India
Edition: Kolkata
Page no.: 9
Journalist: Charu Narula
Professor: Prof. V Jagadeesh Kumar
Headline: Engaging Engineers

*Here's the low
down on
what you
need to do, to
succeed in the
field of
engineering
today*



Engaging Engineers

BE KEEN

V Jagadeesh Kumar, dean, academic courses, IIT Madras:

It is essential for students to relate what there are doing and what they wish to do, to give an example, NASA just launched a satellite weighing a mere 64 grams, designed and developed - not by scientists, engineers or students from any of the top notch colleges or even the big cities - but by an 18-year-old student from a small town called Pallapatti in Karur district in Tamil Nadu. How was he able to do it? How did he succeed in a contest in which thousands of students from all over the world took part? It was because he is doing what he wants to do. He wants to learn and has the passion for it. All too often in Indian colleges, you find students taking courses because of peer pressure or for opportunities.

PROBLEM SOLVING

Swati Salunkhe, Career Counsellor
Engineering is all about solving problems - however this very basic element is lacking in a number of engineers. Readiness to solve problems beyond one's studied branch of engineering. Students try to demarcate/associate themselves with branches and restrict their learning as well as their exposure. Well, sticking to core is the dream of most of the engineers but it should not be at the beginning/early

stages of career.

Success in the field of engineering comes at a later stage. Today's engineering graduates need to focus on survival first and success will follow after a few years. The survival tool-kit comprises of the certain skill set, such as, excellent communication skills - both written as well as oral, readiness to work in team, problem solving attitude wherein logical thinking is crucial, strong numerical ability, the go-getter attitude, readiness to adapt oneself positively with situations, people, new ideas, technology and likewise, out of the box thinking for solving various technical and non-technical aspects.

One needs to have basic computer literacy to be able to work on day-to-day matters, readiness to commit to work in an organisation for a long period, updated with the latest happenings in various industries and its impact on the present industry that one works, more emphasis on learning than earning, designation, and perks.

MULTI-DIMENSIONAL

Sarit K Das, director, IIT Ropar
Recognising the imperative fact of being flexible, strong analytical skills, practical ingenuity, creativity, good communication, high ethical standards of leadership and professionalism with dynamism, agility and resilience is what one needs to get success in the field of

engineering today.

STAY VOCAL

Shyam Jeedigunta, an IIT Bombay alum who studied BTech in Computer Science, now a software engineer at Google.

First and foremost, proactive employees almost always achieve success in the engineering industry. Employees must show avarice for opportunities and passion for the work in order to move up the business ladder. Unlike in school or college where you are constantly told what to do, you will typically be granted more freedom at the workplace. Even if you are content with the salary and amenities of your current position, try to take on more responsibility and achieve your full potential. You may be surprised at how much you can accomplish with just a little initiative.

Communication skills in engineering jobs are very important. As you move to higher positions in the company, you will need to speak in front of larger audience. You may have incredible technical abilities and ingenious ideas, but they mean nothing if you cannot pitch them to your colleagues and superiors. Thus, the capacity to eloquently convey your opinion is crucial for success.

- As told to Charu Narula
(For any views contact
Aaheli.Ghose@timesgroup.com)

Date: 14th November 2017

Publication: The Economic Times

Edition: Delhi/Mumbai/Kolkata/Bangalore/Hyderabad/Pune

Page no.: 14

Journalist: Prachi Verma & Sreeradha D Basu

Headline: Tech companies dangle fat packages at campuses for niche roles

URL: <https://economictimes.indiatimes.com/jobs/tech-companies-dangle-fat-packages-at-campuses-for-niche-roles/articleshow/61633477.cms>

Tech Cos Dangle Fat Packages at Campuses for Niche Roles

Grads being offered up to 60% higher salaries than last year for emerging profiles such as AI, machine learning

Prachi Verma Dabhal
& Sreeradha D Basu

New Delhi/Mumbai: Technology companies, from startups to giants such as Microsoft and Oracle, are offering attractive salaries to lure graduates from the country's top engineering schools for specialised, new-age IT roles even as overall hiring remains muted in the industry.

Early trends from pre-placement offers at Indian Institutes of Technology (IITs) as well as final placements at other top engineering colleges indicate that companies are offering up to 60% higher salaries than last year for niche IT profiles in emerging technologies such as artificial intelligence (AI), machine learning, data science and robotics, according to placement cells at these institutes.

"Many IT companies and companies coming for IT profiles are increasing their salary offers from ₹16 lakh per annum to ₹25 lakh per annum to get a window in early day slots," said NP Padhy, placement head at IIT Roorkee.

"At a time when tech companies are undergoing rapid transformation, we are witnessing more offers

Making A Shift

Cos such as Capgemini and Zensar are hiring talent to work in emerging technologies

Want to grab top talent to stay ahead of competition

Focus on training candidates for digital roles

IIT KANPUR Cos are offering ₹20 to 25 lakh/year for profiles like AI, ROBOTICS compared to ₹15 to 20 lakh offered for tech roles

IIT BOMBAY Pre-placement offers in IT space were higher than those offered in financial this year

and higher salaries this year at our campus from IT companies to grab talent to stay ahead of competition," Padhy said.

A member of IIT Kanpur's placement cell said companies are offer-

ing ₹20-25 lakh per annum for new IT profiles such as AI and machine learning, up from ₹15-20 lakh that a regular recruiter would offer for any IT profile till last year.

For the first time, companies are visiting IIT BHU (Banaras Hindu University), Varanasi, to hire engineering talent to build teams for AI, machine learning and robotics, said a person in the institute's placement team.

At IIT Bombay, pre-placement offers (PPOs), or job offers given to students who did internship at companies, in IT space outnumbered financial services PPOs this year. "The number of PPOs offered in IT/software has increased by 22.5% this year at Bombay while the number of financial services PPOs have decreased by 16%," said a student who is part of its placement team. Last year, highest PPOs were received in the finance space at Bombay.

At IIT Roorkee, the number of PPOs in IT sector was 72 this year compared to 60 PPOs last year.

IIT Madras has so far received 114 PPOs from large firms such as Microsoft and Qualcomm, up from 73 last year.

Companies such as Capgemini and Zensar Technologies confirmed

they are hiring talent to work in emerging technologies. "This year we are exploring additional niche skills in digital area," said Anil Jalali, chief human resources officer for India at Capgemini. "Some of these skills are Pega, Hybris, BlockChain, data science, machine learning and internet of Things," he said. "Candidates for this segment would undergo additional assessment on parameters such as technical test before being put through technical interview and Capgemini selection process," Jalali said.

Syed Afzar Hussain, global HR head at Zensar Technologies, said the firm will hire new talent from campuses and train them for digital roles. "There are a number of new areas that are fast catching on in the digital space where there are new skills required, namely data science, AI, IoT, CX/UX, automation, etc.," he said. "Quality of hiring will go up, in line with the digital and automation focus for us as a company," Hussain said.

Kiranmani Pendyal, corporate vice president global HR operations at AML, said the chipmaker is looking at hiring campus talent for emerging technologies such as augmented reality and virtual reality.

Date: 15th November 2017

Publication: Business Standard- Hindi

Edition: Delhi/Mumbai

Page no.: 4

Journalist: Vinay Umarji

Professor: Prof. Manu Santhanam

Headline: Jump in PPOs hint at better placement season at IITs this year

आईआईटी: प्री प्लेसमेंट से बहार

विनय उमरजी

अहमदाबाद, 14 नवंबर

भारतीय तकनीक संस्थान (आईआईटी) परिसर में प्री प्लेसमेंट ऑफर (पीपीओ) की बढ़ती तादाद को देखते हुए ऐसी उम्मीद है कि प्रीमियर संस्थान इस सीजन में बेहतर प्लेसमेंट पाने की राह पर हैं। मिसाल के तौर पर आईआईटी मद्रास ने प्री प्लेसमेंट ऑफर में 56 फीसदी की बढ़ोतरी देखी। आईआईटी गुवाहाटी के पीपीओ में भी इस साल 46 फीसदी की बढ़ोतरी देखी गई और ऐसी उम्मीद है कि ज्यादा ऑफर मिलेंगे। वहीं दूसरी ओर आईआईटी रुड़की ने पिछले साल साल की समान अवधि की तुलना में इस साल अब तक पीपीओ में 15 फीसदी की उछाल देखी है। इस साल अब तक संस्थान को 135 प्री प्लेसमेंट

ऑफर मिले हैं।

इन संस्थानों में प्लेसमेंट चेयर्स के मुताबिक कंपनियां प्री-प्लेसमेंट ऑफर के जरिये उम्मीदवारों का चयन करना चाहती हैं। जब कोई छात्र समर इंटरशिप पूरी करता है तब उसके बाद कंपनी पीपीओ की पेशकश करती है। आईआईटी मद्रास में प्रशिक्षण एवं प्लेसमेंट सलाहकार मनु सन्थानम का कहना है, 'एक प्रमुख वजह यह है कि बड़ी कंपनियों मसलन अमेरिकी सॉफ्टवेयर कंपनी माइक्रोसॉफ्ट, दूरसंचार उपकरण कंपनी क्वालकॉम और बहुराष्ट्रीय वित्तीय सेवा कंपनी गोल्डमैन सैक्स की ओर से इंटरशिप की तादाद बढ़ना एक प्रमुख वजह है।' इस साल 6 नवंबर तक आईआईटी मद्रास को 114 पीपीओ मिले हैं जो इससे पहले के अकादमिक वर्ष (2016-17)

के 73 के आंकड़े से कहीं ज्यादा है। मूल क्षेत्र का योगदान पीपीओ में सबसे ज्यादा है। वित्तीय सेवा कंपनियों की तरफ से बढ़ी तादाद में ऑफर की पेशकश की गई थी। बड़े भर्तीकर्ताओं में क्वालकॉम, माइक्रोसॉफ्ट, सिटी, गोल्डमैन सैक्स, सैमसंग आरएंडडी और टैक्सस इंस्ट्रूमेंट्स शामिल हैं।

करीब 60 फीसदी पीपीओ कंप्यूटर साइंस और इलेक्ट्रिकल इंजीनियरिंग विभाग को मिलता है क्योंकि मूल इंजीनियरिंग उद्योग दूसरे इंजीनियरिंग विभाग की जरूरतों से भी जुड़ा है। वहीं दूसरी ओर आईआईटी गुवाहाटी के पीपीओ में पिछले साल के 80 पीपीओ के मुकाबले इस साल नवंबर की शुरुआत में यह आंकड़ा 117 के स्तर पर पहुंच गया। वॉल्वो, बॉश, इंटेल जैसी कंपनियां भी इस साल आईआईटी गुवाहाटी में प्लेसमेंट करेंगी।

Date: 15th November 2017

Publication: Business Standard

Edition: Online

Journalist: Vinay Umarji

Professor: Prof. Manu Santhanam

Headline: Jump in PPOs hint at better placement season at IITs this year

URL: http://www.business-standard.com/article/management/jump-in-ppos-hint-at-better-placement-season-at-iits-this-year-117111400788_1.html

Jump in PPOs hint at better placement season at IITs this year

If the rising number of pre-placement offers (PPOs) pouring in at Indian Institutes of Technology (IITs) campuses are anything to go by, the premier institutes are on for a decent final placement season this year.

For instance, while IIT Madras saw 56 per cent rise in PPOs, IIT Guwahati has seen the same increase by 46 per cent this year so far with even more offers expected to come in. IIT Roorkee, on the other hand, has seen a 15 per cent jump in PPOs so far this year compared to similar period last year. The institute has attracted 135 offers so far this year.

According to placement chairs at these institutes, recruiters are increasingly preferring to hire through the pre-placement offers. PPOs are offered by a recruiter after a student complete summer internships at the company.

"One of the principal reasons is an increase in the number of internships in companies that are large recruiters such as the American Software company Microsoft, the telecommunications equipment firm Qualcomm and the multinational financial services firm Goldman Sachs," said Manu Santhanam, Advisor, Training and Placement, IIT Madras. Till November 6 this year, IIT Madras attracted as many as 114 PPOs as against 73 in the preceding academic year (2016-17).

While the Core Sectors accounted for the highest number of PPOs, there were also a large number of offers from financial services firms. The major recruiters were Qualcomm, Microsoft, Citi, Goldman Sachs, Samsung R&D, and Texas Instruments.

Nearly 60 per cent of the PPOs went to students of Computer Science and Electrical Engineering Departments as the Core Engineering Industry caters to the other engineering disciplines.

IIT Guwahati, on the other hand, saw PPOs rise from 80 last year till early November to 117 this year for the said period. Recruiters like Volvo, Bosch, Intel will be recruiting from IIT Guwahati this placement season.

"Increasingly recruiters want to hire through PPO mode even though it is still a relatively small portion of total batch. This is because recruiters get to work closely with the students during internships and gauge

their performance. As institute, we welcome PPOs since this reduces our load in conducting the final placement process," K Mohanty, chairperson, placements at IIT Guwahati.

According to some of the placement chairs, the rise in PPOs may, however, not translate into lesser number of offers in final placement process.

"We have seen a 15 per cent rise in PPOs yet the total number of PPOs are still hardly 10-12 per cent of total number of offers required. Hence, bulk of the offers will come during the final placement season," said N P Padhy, Professor-in-Charge, Training and Placement, IIT Roorkee.

Date: 15th November 2017

Publication: Gadgets Now

Edition: Online

Journalist: Prachi Verma & Sreeradha D Basu

Headline: Tech companies are offering fat salary packages at campuses for niche jobs

URL: <https://www.gadgetsnow.com/tech-news/tech-companies-are-offering-fat-salary-packages-at-campuses-for-niche-jobs/articleshow/61639225.cms>

Tech companies are offering fat salary packages at campuses for niche jobs

Technology companies, from startups to giants such as Microsoft and Oracle, are offering attractive salaries to hire graduates from the country's top engineering schools for specialised, new-age IT roles even as overall hiring remains muted in the industry.

Early trends from pre-placement offers at Indian Institutes of Technology (IITs) as well as final placements at other top engineering colleges indicate that companies are offering up to 60% higher salaries than last year for niche IT profiles in emerging technologies such as artificial intelligence (AI), machine learning, data science and robotics, according to placement cells at these institutes.

"Many IT companies and companies coming for IT profiles are increasing their salary offers from Rs 16 lakh per annum to Rs 25 lakh per annum to get a window in early day slots," said NP Padhy, placement head at IIT Roorkee.

"At a time when tech companies are undergoing rapid transformation, we are witnessing more offers and higher salaries this year at our campus from IT companies to grab talent to stay ahead of competition," Padhy said.

A member of IIT Kanpur's placement cell said companies are offering Rs 20-25 lakh per annum for new IT profiles such as AI and machine learning, up from Rs 15-20 lakh that a regular recruiter would offer for any IT profile till last year.

For the first time, companies are visiting IIT BHU (Banaras Hindu University), Varanasi, to hire engineering talent to build teams for AI, machine learning and robotics, said a person in the institute's placement team.

At IIT Bombay, pre-placement offers (PPOs), or job offers given to students who did internship at companies, in IT space outnumbered financial services PPOs this year. "The number of PPOs offered in IT/software has increased by 22.5% this year at Bombay while the number of finance PPOs have decreased by 16%," said a student who is part of its placement team. Last year, highest PPOs were received in the finance space at Bombay.

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Companies such as Capgemini and Zensar Technologies confirmed they are hiring talent to work in emerging technologies. "This year we are exploring additional niche skills in digital area," said Anil Jalali, chief human resources officer for India at Capgemini. "Some of these skills are Pega, Hybris, BlockChain, data science, machine learning and Internet of Things," he said. "Candidates for this segment would undergo additional assessment on parameters such as technical test before being put through technical interview and Capgemini selection process," Jalali said.

Syed Afzar Hussain, global HR head at Zensar Technologies, said the firm will hire new talent from campuses and train them for digital roles.

"There are a number of new areas that are fast catching on in the digital space where there are new skills required, namely, data science, AI, IoT, CX/UX, automation, etc.," he said. "Quality of hiring will go up, in line with the digital and automation focus for us as a company," Hussain said.

Kiranmai Pendyal, corporate vice president-global HR operations at AMD, said the chipmaker is looking at hiring campus talent for emerging technologies such as augmented reality and virtual reality.

Date: 18th November 2017

Publication: Nav Bharat Times

Edition: Delhi

Page no.: 19

Journalist: NA

Headline: Tech companies are offering fat salary packages at campuses for niche jobs

मोटे पैकेज पर आ रहे इमर्जिंग टेक्नॉलजी प्रोफेशनल्स

प्राची वर्मा इटकल • श्रीरधा डी बसु • नई दिल्ली • सुयई |
स्टार्टअप से लेकर माइक्रोसॉफ्ट और अरिंकल जैसी दिग्गजों तक सभी टेक्नॉलजी कंपनियां देश के टॉप इंजीनियरिंग कॉलेजों से ग्रेजुएट्स को हायर करने के लिए आकर्षक सैलरी ऑफर कर रही हैं। इन ग्रेजुएट्स को स्पेशलाइज्ड, न्यू एज आईटी रोल्स के लिए हायर किया जा रहा है। हालांकि आईटी इंडस्ट्री में अंडरऑल हायरिंग की रफ्तार सुस्त बनी हुई है।

इंडियन इंस्टीट्यूट ऑफ टेक्नॉलजी में प्री-प्लेसमेंट ऑफिस के मुख्यामी रुद्रानो और दूसरे टॉप इंजीनियरिंग कॉलेजों में फाइन्ल प्लेसमेंट ऑफिस से संकेत मिल रहा है कि कंपनियां आर्टिफिशियल इंटेलिजेंस, मशीन लर्निंग, डेटा साइंस एंड रोबोटिक्स जैसी इमर्जिंग टेक्नॉलजीज के मामले में खास आईटी प्रोफाइल्स के लिए पिछले साल के मुकाबले 60 पसेंट तक ज्यादा सैलरी दे रही हैं। यह बात इन संस्थानों के प्लेसमेंट सेल्स से मिली जानकारी पर आधारित है।

आईआईटी रुद्रकी के प्लेसमेंट हेड एन पी पाधे ने कहा, 'कई आईटी कंपनियां और आईटी प्रोफाइल के लिए आ रही दूसरी कंपनियां शुरुआती दिनों के स्लैट्स में जगह पाने के लिए अपने सैलरी ऑफर्स 16 लाख से बढ़ाकर 25 लाख रुपये सालाना कर रही हैं।' उन्होंने कहा, 'टेक कंपनियों में तेजी से बदलाव हो रहे हैं। ऐसे में कॉम्प्यूटेशन में आगे रहने के लिए वे अच्छे लोगों को हायर करने की खातिर हमारे कैम्पस में इस साल ऊंची सैलरी ऑफर कर रही हैं।'

आईआईटी कानपुर के प्लेसमेंट सेल के एक मेबर ने बताया कि कंपनियां आर्टिफिशियल इंटेलिजेंस और मशीन लर्निंग सरीखे नए आईटी प्रोफाइल्स के लिए 20-25 लाख रुपये सालाना ऑफर कर रही हैं, जबकि पिछले साल तक किसी आईटी प्रोफाइल के लिए कोई भी रेग्युलर रिज्यूटर 15-20 लाख रुपये ऑफर कर रही थी।

कंपनियां पहली बार आईआईटी बीएचयू, वरराणसी भी जा रही हैं और वहां से एआई, मशीन लर्निंग और रोबोटिक्स के लिए इंजीनियरिंग टैलेंट हायर कर रही हैं। यह बात इस संस्थान की प्लेसमेंट टीम के एक सदस्य ने बताया। कंपनियों में इंटर्निंग कर चुके स्टूडेंट्स को दिए जाने वाले जॉब ऑफर्स यानी प्री-प्लेसमेंट ऑफर्स की संख्या आईआईटी बॉम्बे में इस साल आईटी सेगमेंट में फाइनेंशियल सर्विसेज के मुकाबले ज्यादा रही।

Date: 20th November 2017

Publication: The Times of India

Edition: Bangalore

Page no.: 12

Journalist: NA

Headline: Pre-placement offers



PRE-PLACEMENT OFFERS

Indian Institute of Technology (IIT) Madras has received 114 pre-placement offers (PPO) till the first week of November. Nearly 60% of the PPOs went to students with core engineering departments like computer science and electrical engineering departments.

Date: 20th November 2017

Publication: The Economic Times

Edition: Online

Journalist: NA

Headline: Salary no bar for new age technology jobs

URL: <https://economictimes.indiatimes.com/wealth/earn/salary-no-bar-for-new-age-technology-jobs/articleshow/61699874.cms>

Salary no bar for new age technology jobs

Pre-placement offers show cos offering 60 percent more pay than last year for roles in emerging technologies.

Companies keen to grab talent to stay ahead of competition.

Salary no bar for new age technology jobs.

In IIT Roorkee, companies are increasing salary offers from Rs 16 lakh to Rs 25 lakh per annum to get early day slots.

Recruiters are approaching IIT BHU for the first time to hire talents to build teams for AI, machine learning and robotics.

At IIT Kanpur, companies are offering Rs 20-25 lakh per annum for profile such as AI and machine learning. Last year, regular recruiters offered Rs 15-20 lakh for IT profiles.

IIT Madras has so far received 114 PPOs from large firms, against 73 last year.

At IIT Bombay, pre-placement offers in IT /software increased by 22.5% this year. Number of finance PPOs decreased by 16%.

Date: 21st November 2017

Publication: The Times of India

Edition: Online

Journalist: NA

Headline: Top 10 Engineering colleges in India 2017

URL: <https://timesofindia.indiatimes.com/home/education/engineering/top-10-engineering-colleges-in-india-2017/articleshow/61721797.cms>

Top 10 Engineering colleges in India 2017

NEW DELHI: India is one of the largest producers of engineers in the world. Both parents and students choose engineering as first option for higher studies. A 2015 global report commissioned by the Queen Elizabeth Prize for Engineering revealed that around 80 per cent students in India are interested in an engineering career.

Adding to that, India is home to many prestigious government and private colleges. Have a look at these top 10 engineering colleges in India for the year 2017 based on the recently release National Institute Ranking Framework (NIRF) India Ranking 2017. The NIRF works under the Ministry of Human Resource Development (MHRD), Government of India, to rank all institutions of higher education in India.

Top 10 Engineering Institutes in India for the year 2017

Institute	City	Ranking (NIRF)
Indian Institute of Technology (IIT)	Madras	1
Indian Institute of Technology (IIT)	Bombay	2
Indian Institute of Technology (IIT)	Kharagpur	3
Indian Institute of Technology (IIT)	Delhi	4
Indian Institute of Technology (IIT)	Kanpur	5
Indian Institute of Technology (IIT)	Roorkee	6
Indian Institute of Technology (IIT)	Guwahati	7
Anna University, Chennai	Chennai	8
Jadavpur University	Kolkata	9
Indian Institute of Technology (IIT)	Hyderabad	10

Source: www.nirfindia.org

Date: 24th November 2017

Publication: The Financial Express

Edition: Bangalore/Hyderabad/Kochi/Chennai/Delhi/Mumbai

Page no.: 22

Journalist: NA

Headline: Apple to visit IIT- M for the first time for placements

Apple to visit IIT- M for the first time for placements

FE BUREAU
Chennai, November 23

THE INDIAN INSTITUTE of Technology Madras (IIT-M) is all set for this year's placement season, scheduled to begin from December 1. Apple is visiting the campus for the first time for recruitment, along with UIDAI and Nasdaq, among others.

As many as 270 companies have registered as on date for more than 400 job profiles, compared to 250 companies in the whole of last year (2016-17) for the same number of job profiles. The first phase of campus recruitment for 2017-18 will be held between December 1 and 10, with a break of one day (December 05, 2017) in between.

About 43% of the recruiters are from the core engineering and R&D sectors, 25% from finance, analytics and consulting sectors, and 32% from the IT sector. The institute will host more than 50 start-ups this year, according to a statement.

About 35 students have opted for deferred placements as they are either pursuing start-up ventures or planning to apply for higher studies.



Apple is visiting the campus for the first time for recruitment, along with UIDAI and Nasdaq, among others

Apart from Apple Inc, the other first-time companies who have registered for the first phase of placements include Unique Identification Authority of India (UIDAI), UBS AG, Nasdaq Stock Market, Alvarez and Marsal, Country Garden, Halma India, Rubik, and Sekisui Chemical. Nearly 15% of the registered companies are first-time companies, the institute said.

This year, with a view of reducing stress faced by students in the early phase of the process, IIT Madras has done away with the 'Graveyard Slot,' which begins the early hours of Day One, usually from 12 midnight to 6 am.

Date: 24th November 2017

Publication: The Hindu

Edition: Chennai

Page no.: 2

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Apple to recruit IIT-M students

URL: <http://www.thehindu.com/todays-paper/tp-national/tp-tamilnadu/apple-to-recruit-iit-m-students/article20745067.ece>

Apple to recruit IIT-M students

SPECIAL CORRESPONDENT
CHENNAI

For the first time, students of the Indian Institute of Technology-Madras will see tech giant Apple Inc. participate in the campus recruitment process.

Other first-timers include Unique Identification Authority of India (UIDAI), UBS AG, Nasdaq Stock Market, Alvarez and Marsal India, Country Garden, Halma India, Rubrik, and Sekisui Chemical.

According to the institute, a total of 270 companies have registered so far for the recruitment drive. This year, 50 start-ups will also feature in the list.

The institute has dispensed with the graveyard slot that begins at the midnight of November 30 and runs up to 6 a.m. on December 1, the first day of recruitment. According to placement officials, this was done to reduce stress on students. Last year, 250 companies had registered and offered 400 job profiles.

The first phase of campus recruitment will be held from December 1 to 10, with a break on December 5. Manu Santhanam, advisor, training and placement, credited the students and staff of the placement office with

bringing in a large number of recruiters.

As much as 43% of the recruiters are from core engineering areas and the research and development sector; about 25% are from the finance, analytics and consulting sectors; and 32% are from the IT sector, the placement official said.

A total of 114 students received pre-placement offers through internships, a 56% increase from last year. Over 1,100 students have registered for placement.

A total of 19 companies have on offer international profiles.

Date: 24th November 2017

Publication: The Times of India

Edition: Chennai

Page no.: 1

Journalist: Vinayashree J

Professor: Prof. Manu Santhanam

Headline: 15% of firms heading to IIT Madras placement session are first-timers

URL: <https://timesofindia.indiatimes.com/city/chennai/iit-madras-placements-apple-nasdaq-uidai-among-recruiters/articleshow/61770764.cms>

15% of firms heading to IIT Madras placement session are first-timers

TIMES NEWS NETWORK

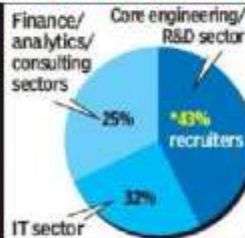
Chennai: Around 15% of the companies set to visit IIT Madras for the first phase of this year's placement session, scheduled to begin on December 1, will be coming to the campus placements for the first time, including Apple Inc. and Unique Identification Authority of India (UIDAI).

Among the other first-timers who have registered for the first phase are UBS AG, Nasdaq Stock Market, Alvarez and Marsal India Pvt Ltd, Country Garden, Halma India Pvt Ltd, Rubrik, and Sekisui Chemical, the IIT placement cell said on Thursday.

There will also be a spike in the number of companies visiting the institute.

HIRING TO START BY DEC 1

A total of 270 firms have registered so far across more than 400 job profiles



Some first-timers who have registered are UBS AG, Nasdaq Stock Market, Alvarez and Marsal India Pvt Ltd, Country Garden, Halma India Pvt Ltd, Rubrik, and Sekisui Chemical

A total of 270 companies have registered so far across more than 400 job profiles, compared to the 250 companies for all of last year (2016-17) for the same number of job profiles.

The first phase of campus recruitment for 2017-18 will

be held between December 1 and 10 with a day's break on December 5.

About 43% of the recruiters are from core engineering/R&D sector, 25% from finance/ analytics/ consulting sectors, and 32% from the IT sector. The Institute said

it will host more than 50 startups this year.

Traditional recruiters Microsoft, Samsung R&D, Goldman Sachs, Eaton, Schlumberger, Mahindra, Intel, Bajaj, EXL, Citi, Larsen and Toubro will also be seen on the campus. As many as 19 companies have advertised international profiles, most of them for positions in Asian countries such as Japan, Singapore, and Taiwan, along with the United States.

The Institute has recorded a 56% rise in Pre-Placement Offers (PPOs), which come from internships. IIT Madras students have received as many as 134 PPOs this year against 73 in the preceding year.

► 1,100 students register, P 4

1,100 students register for placements

From P 1

Prof Manu Santhanam, advisor, training and placement, said, "Our team of students and staff at the IIT Madras Placement Office have worked hard to bring in a large number of recruiters to the campus, and this placement season looks promising. We have already seen a major jump in the number of PPOs, so we are hoping that the success translates into the placements too."

About 35 students have opted for deferred placements as they are either pursuing start-up ventures or planning to apply for higher studies

More than 1,100 students have registered for placements across different study streams and departments. The number is expected to

increase as more research scholars become eligible (when they achieve a specific target in their research programme).

About 35 students have opted for deferred placements as they are either pursuing start-up ventures or planning to apply for higher studies.

This year, to reduce the stress faced by students in the early phase, the 'Graveyard Slot,' from midnight to 6am on Day One has been done away with.

Date: 24th November 2017

Publication: Deccan Chronicle

Edition: Chennai

Page no.: 7

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Apple, UIDAI to recruit students from IIT-Madras

URL: <http://www.deccanchronicle.com/nation/current-affairs/241117/apple-uidai-to-recruit-students-from-iit-madras.html>

PLACEMENT SESSION FROM DEC. 1

APPLE, UIDAI TO RECRUIT STUDENTS FROM IIT-MADRAS

DC CORRESPONDENT
CHENNAI, NOV. 23


Despite the slowdown and downward trend in campus placements, so far 270 companies have registered for placements at IIT Madras which is scheduled to start from December 1.

Some of the major companies including Apple Inc., Alvarez and Marsal India Pvt Ltd, UBS AG and Unique Identification Authority of India (UIDAI) are coming to the prestigious engineering institute for the first time.

"Of 270 companies, 15 per cent of registered companies are coming for the first time to IIT Madras. Traditional recruiters such as Microsoft, Samsung R & D, Goldman Sachs are also registered for placements.

The first phase will be conducted from December 1 to 10," Professor Manu Santhanam, advisor, Training and Placement, IIT Madras said in a release. "This placement season looks promising. We have already seen a major jump in the number of pre-placement offers," he said.

IIT Madras has recorded a 56 per cent increase in the Pre-Placement Offers (PPOs). As many as 114 offers have been received this year by the students as against 73 in the previous year.



● **About 43 per cent of the recruiters are from core engineering and R & D sector, 25 per cent from finance, analytics, consulting sectors, and 32 per cent of the IT sector. The Institute will host more than 50 startups this year. These companies are offering 400 job profiles**

More than 1,100 students have registered for placements across different streams and departments this year.

The number is expected to increase, as more research scholars become eligible.

To reduce the stress faced by the students in the early phase of the placements, IIT Madras has done away with the 'Graveyard Slot,' which begins the early hours of day one (December 1), usually from 12 midnight to 6 am.

Date: 24th November 2017

Publication: The New Indian Express

Edition: Chennai

Page no.: 4

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: 15% of companies on IIT-M placement list first-timers

15% of companies on IIT-M placement list first-timers

EXPRESS NEWS SERVICE

@ Chennai

WITH the start of the placement season at IIT-Madras barely a week away, students are gearing up for it. Manu Santhanam, advisor, training and placement, IIT-M, said, "We have already seen a major jump in the number of PPOs. So, we are hoping that the success translates into the placements too."

More than 1,100 students have registered for placements across different streams and departments. The number is expected to increase as more research scholars become eligible after they achieve a specific target in their

research programme.

Nearly 15 per cent of the registered companies are first-timers, including UBS AG, Nasdaq Stock Market, Alvarez and Marsal India, and Sekisui Chemical, the release said. "Traditional recruiters like Microsoft, Samsung R&D, Goldman Sachs, Eaton, Schlumberger, Mahindra, Intel, Bajaj, EXL, Citi, Larsen and Toubro are coming to IIT-Madras for recruitment this year as well."

As many as 19 companies have advertised international profiles, most of which are for positions in Asian countries such as Japan, Singapore, and Taiwan, along with the US. This year, IIT-M has done away with their 'Graveyard Slot'.

Date: 24th November 2017
Publication: The New Indian Express
Edition: Hyderabad
Page no.: 6
Journalist: NA

Headline: Placement season: IIT-Madras graduates get the first bite of Apple Inc

URL: <http://www.newindianexpress.com/cities/chennai/2017/nov/24/apples-first-campus-placement-in-india-to-start-from-iit-madras-1709563.html>

Placement season: IIT-Madras graduates get the first bite of Apple Inc

EXPRESS NEWS SERVICE
@Chennai

Tech giant Apple is scouting for talent in Indian engineering colleges for the first time and Indian Institute of Technology Madras (IIT-M) is where it will make one of its first pit stops in December. Also, Unique Identification Authority of India (UIDAI) and Noida will be hiring from IIT-M campus for the first time.

IIT students are gearing up for the first phase of placements, which is expected to happen between December 1 and 16.

Among the other institutions lined up for Apple placements are IIT Bombay and International Institute of Information Management, Hyderabad. IIT-M is not quite sure of the student profile Apple is looking for though reading could be a natural choice. As many as 270 companies had registered themselves with IIT-M as on Thursday to recruit students



Placement alert

We have already seen a major jump in the number of PPOs. So, we are hoping that the success translates into the placements too.

for over 400 job profiles.

According to a release, about 23 per cent of the recruiters are from core engineering or research and development sectors.

A quarter of all recruiters are from finance, analytics, consulting sectors, and 22 percent from IT sector.

The institute will host more than 50 start-ups this year.

As many as 114 students have already received pre-placement offers (PPO), which comes from

internships. This is a 26 per cent jump from last year, the release said. Manu Sankaranam, advisor, training and placement, IIT-M, said, "We have already seen a major jump in the number of PPOs." More than 1,100 students have registered for placements across different study streams and departments this year.

The number is expected to increase as more research scholars become eligible after they achieve a specific target in their

research programs.

Nearly 15 per cent of the registered companies are first-timers, including UBS AG, Noida; Stock Market, Abrazar and Maral India, and Selsol Chemical, the release said.

"Traditional recruiters such as Microsoft, Samsung R&D, Goldman Sachs, Satyam, Schindler, Mahindra, Intel, Bajaj, EKL, CIL, Larsen and Toubro are coming to IIT-Madras for recruitment this year as well."

Date: 24th November 2017

Publication: The Economic Times

Edition: Online

Journalist: Sreeradha Basu

Professor: Prof. Manu Santhanam

Headline: Apple, UIDAI, NASDAQ among first-timers at IIT Madras final placements this year

URL: <https://economictimes.indiatimes.com/jobs/apple-to-hunt-for-talent-at-iit-madras-this-placement-season/articleshow/61767070.cms>

Apple, UIDAI, NASDAQ among first-timers at IIT Madras final placements this year

Apple Inc. is coming for the first time to IIT Madras for recruitment along with UIDAI and Nasdaq, among others for the institute's final placements starting December 1.

As many as 270 companies have registered as on date for more than 400 job profiles, compared to 250 companies in the whole of last year (2016-17) for the same number of job profiles. The first phase of campus recruitment for 2017-18 will be held between December 1 and 10, 2017 with a break of one day in between.

About 43% of the recruiters are from core engineering / R & D sector, 25% from finance / analytics / consulting sectors, and 32% from the IT sector. The institute will host more than 50 start-ups this year.

"This placement season looks promising. We have already seen a major jump in the number of PPOs, so we are hoping that the success translates into the placements too," professor Manu Santhanam, advisor, training and placement, IIT Madras, said in a statement.

The institute has recorded a 56% increase in pre-placement offers (PPOs). As many as 114 PPOs have been received this year by IIT Madras students as against 73 in the preceding year.

More than 1,100 students have registered for placements across different study streams and departments this year. About 35 students have opted for deferred placements as they are either pursuing start-up ventures or planning to apply for higher studies.

Nearly 15% of the registered companies are first-timers, including UBS AG, Nasdaq Stock Market, Alvarez and Marsal India, and Sekisui Chemical. Traditional recruiters such as Microsoft, Samsung R and D, Goldman Sachs, Eaton, Schlumberger, Mahindra, Intel, Bajaj, EXL, Citi, Larsen and Toubro are coming to IIT Madras for recruitment this year as well.

As many as 19 companies have advertised international profiles, most of which are for positions in Asian countries such as Japan, Singapore, and Taiwan, along with the US.

This year, with a view of reducing the stress faced by the students in the early phase of the process, IIT Madras has done away with the 'Graveyard Slot,' which begins the early hours of Day One (December 1), usually from 12 midnight to 6 am.

Date: 24th November 2017

Publication: Business Standard

Edition: Online

Journalist: Vinay Umarji

Professor: Prof. Manu Santhanam

Headline: Apple, UIDAI, Nasdaq to debut at IIT Madras placements on December 1

URL: http://www.business-standard.com/article/current-affairs/apple-uidai-nasdaq-to-debut-at-iit-madras-placements-on-december-1-117112300626_1.html

Apple, UIDAI, Nasdaq to debut at IIT Madras placements on December 1

Final placements process at the Indian Institute of Technology (IIT) Madras will begin on December 1. Apple Inc., UIDAI and Nasdaq, among others will mark their debut in the placement session. This is the first time that Apple will be participating in campus placements at several major institutes including IITs and International Institutes of Information Technology (IIITs)

Apart from Apple Inc, UIDAI and Nasdaq, the other first-time companies who have registered for the first phase of placements include UBS AG, Alvarez and Marsal India Pvt Ltd, Country Garden, Halma India Pvt Ltd, Rubrik, and Sekisui Chemical.

As many as 270 companies have registered on date for more than 400 job profiles at IIT Madras. This is an increase from last year, which saw a total of 250 companies. Of these, close to 15 per cent are first-time recruiters.

The first phase of the campus placements at IIT Madras will begin on December 1 and go on till December 10, 2017 with a break of one day on December 05, 2017 in between, the institute stated. Over 1,100 students have registered for placements across different study streams and departments this year.

Roughly 43 percent of the recruiters registered for placements at IIT Madras this year are from Core Engineering as well as R&D sector, followed by 32 per cent from IT and 25 percent from finance-analytics-consulting sectors. Having lifted ban on several startups from participating in placements, IIT Madras will see more than 50 start-ups coming down to the campus this year.

Traditional recruiters such as Microsoft, Samsung R and D, Goldman Sachs, Eaton, Schlumberger, Mahindra, Intel, Bajaj, EXL, Citi, Larsen and Toubro have also confirmed participation in placements to IIT Madras.

Further, as many as 19 companies have advertised international profiles, most of which are for positions in Asian countries such as Japan, Singapore, and Taiwan, along with the US as well.

In what could hint at improved placement scenario at IIT Madras, the institute has already seen a 56 per cent jump in pre-placement offers (PPOs) being extended to students who interned at these firms. As many as 114 PPOs have been received this year by IIT Madras students as against 73 last year.

According to Manu Santhanam, Advisor, Training and Placement, IIT Madras, the institute hopes to see the PPO success being translated into final placements process as well. "Our team of students and the staff at the IIT Madras Placement Office have worked hard to bring in a large number of recruiters to the campus, and thanks to their efforts, this placement season looks promising," he said.

In a major change in placement process this year, IIT Madras has done away with the 'Graveyard Slot', which begins the early hours of Day One (December 1), usually from 12 midnight to 6 am. As per the institute, the move was taken with a view of reducing the stress faced by the students in the early phase of the process.

The number is expected to increase, as more research scholars become eligible (this happens as and when they achieve a specific target in their research programme).

Meanwhile, about 35 students have opted for deferred placements as they are either pursuing start-up ventures or planning to apply for higher studies.

Date: 24th November 2017

Publication: DT Next

Edition: Chennai

Page no.: 6

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: In a first, Apple, UIDAI, Nasdaq to hire IIT graduates

URL: <http://www.dtnext.in/News/City/2017/11/24033902/1053205/In-a-first-Apple-UIDAI-Nasdaq-to-hire-IIT-graduates.vpf>

In a first, Apple, UIDAI, Nasdaq to hire IIT graduates

CHENNAI Indian Institute of Technology-Madras (IIT-M) is all set for this year's placement season beginning on December 1. As many as 276 companies have registered as on date for more than 400 job profiles, compared to 250 companies in 2016-17.

The first phase of campus recruitment for 2017-18 will be held between December one and 10, an IIT-M release said on Thursday. Apple Inc is coming to IIT-M campus for placements for the first time. The other first-time companies, who have registered for the first phase of placements, included

Unique Identification Authority of India (UIDAI), UBS AG, Nasdaq, Alvarez and Marsal India Private Limited, Country Garden, Halma India, Hubrik, and Sekisui Chemical.

Traditional recruiters such as Microsoft, Samsung R and D, Goldman Sachs, Eaton, Schlumberger, Mahindra, Intel, Bajaj, EXL, Citi, Larsen and Toubro have also registered for recruitment this year.



Our students and staff have worked hard to bring in a large number of recruiters to the campus. We have already seen a large jump in the number of pre-placement offers. We hope that the success translates into placements too.

Manu Santhanam, Advisor, Training and Placement, IIT-M

Nineteen companies have advertised international profiles, most of which were for positions in Japan, Singapore, Taiwan and the US.

Speaking about this year's placement, Prof. Manu Santhanam, Advisor, Training and Placement, IIT-M, said, "Our students and staff at the IIT-M placement office have worked hard to bring in a large number of recruiters to the campus.

"We have already seen a major jump in the number of Pre-Placement Offers (PPOs), so we are hoping that the success translates into the placements too," he said.

About 43 per cent of the recruiters were from core engineering R & D sector, 25 per cent from finance analytics - consulting sectors, and 32 per cent from the IT sector.

The Institute will host more than 50 start-ups this year, the release said. As many as 114 PPOs have been received this year by IIT-M students as against 73 the preceding year.

More than 1,100 students have registered for placements across different study streams and de-

partments this year. The number was expected to increase, as more research scholars become eligible (this happens as and when they achieve a specific target in their research programme).

About 35 students have opted for deferred placements as they were either pursuing start-up ventures or planning to apply for higher studies.

This year, with a view of reducing the stress faced by the students in the early phase of the process, IIT-M has done away with the 'Graveyard Slot,' which begins in the early hours of day one (December 1) usually from midnight to dawn.

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Professor: Prof. Manu Santhanam

Headline: IIT Madras placements: Apple, Nasdaq, UIDAI among recruiters

சென்னை ஐஐடி வளாக தேர்வு: 50-க்கும் மேற்பட்ட நிறுவனங்கள் பங்கேற்பு

சென்னை, நவ. 23: சென்னை ஐஐடியில் டிசம்பர் 1-ஆம் தேதி தொடங்கவுள்ள வளாகத் தேர்வில் 50-க்கும் மேற்பட்ட நிறுவனங்கள் பங்கேற்க உள்ளன.

இதுதொடர்பாக சென்னை ஐஐடி நிர்வாகம் வெளியிட்டுள்ள செய்தி: சென்னை ஐஐடியில் முதல்கட்ட வளாகத் தேர்வு (வேலைவாய்ப்பு முகாம்) டிசம்பர் 1-ஆம் தேதி முதல் டிசம்பர் 10-ஆம் தேதி வரை நடத்தப்பட உள்ளது. இதில் 50-க்கும் மேற்பட்ட நிறுவனங்கள் பங்கேற்று மாணவர்களைத் தேர்வு செய்ய உள்ளன.

வழக்கமாக இதில் பங்கேற்கக்கூடிய மைக்ரோசாப்ட், சேம்சங், மலிந்திரா, இன்டெல், பனாஸ், லார்சன் அண்ட் டிப்ரோ உள்ளிட்ட நிறுவனங்கள் இம்முறையும் வரவிருக்கின்றன. ஆப்பிள் நிறுவனம் முதல்முறையாக இந்த வளாகத் தேர்வில் பங்கேற்க உள்ளது.

நிறுவனங்களின் எண்ணிக்கை அதிகரிப்பதால், வேலைவாய்ப்பைப் பெறும் மாணவர்களின் எண்ணிக்கையும் அதிகரிக்க வாய்ப்பு உள்ளது. வெவ்வேறு படிப்பு மற்றும் துறைகளைச் சார்ந்த சுமார் 1,100-க்கும் மேற்பட்ட மாணவர்கள் வேலைவாய்ப்புகளுக்காக பதிவு செய்துள்ளனர் என அந்தச் செய்திக்குறிப்பில் தெரிவிக்கப்பட்டுள்ளது.

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Journalist: NA

Professor: Prof. Manu Santhanam

Headline: IIT Madras placements: Apple, Nasdaq, UIDAI among recruiters

சென்னை ஐஐடி வளாக நேர்முகத் தேர்வு டிசம்பர் 1-ம் தேதி தொடங்குகிறது

● முதல்முறையாக ஆப்பிள் நிறுவனம் பங்கேற்பு

சென்னை ஐஐடி வளாக நேர்முகத் தேர்வு (கேம்பஸ் இண்டர்வியூ) டிசம்பர் 1-ம் தேதி தொடங்குகிறது. இதில், முதல்முறையாக ஆப்பிள் நிறுவனமும் கலந்துகொண்டு வேலைக்கு ஆட்களை எடுக்கவுள்ளது.

இதுதொடர்பாக ஐஐடி சார்பில் நேற்று வெளியிடப்பட்ட செய்திக்குறிப்பு:

சென்னை ஐஐடி-யின் 2017-ம் ஆண்டுக்கான வளாக நேர்முகத் தேர்வு (கேம்பஸ் இண்டர்வியூ) டிசம்பர் 1-ம் தேதி தொடங்குகிறது. இதில், 270-க்கும் மேற்பட்ட நிறுவனங்கள் கலந்துகொண்டு மாணவர்களை வேலைக்கு

270-க்கும் மேற்பட்ட நிறுவனங்கள் கலந்துகொண்டு மாணவர்களை வேலைக்கு தேர்வுசெய்ய உள்ளன. இதில், மைக்ரோசாப்ட், சாம்சங், இன்டெல், மஹிந்திரா, எல்.ஐ.டி, யுஐடிஏஐ, நாஸ்டாக், ஆப்பிள் உள்ளிட்ட நிறுவனங்கள் பங்கேற்கின்றன.

தேர்வு செய்ய உள்ளன. இதில், மைக்ரோசாப்ட், சாம்சங், இன்டெல், மஹிந்திரா, எல்.ஐ.டி, யுஐடிஏஐ, நாஸ்டாக், ஆப்பிள் உள்ளிட்ட நிறுவனங்கள்

பங்கேற்கின்றன. ஆப்பிள் நிறுவனம் முதல்முறையாக இந்த ஆண்டுதான் வளாக நேர்முகத் தேர்வில் பங்கேற்கிறது.

மொத்த நிறுவனங்களில் 43 சதவீதம் பொறியியல், ஆராய்ச்சி மேம்பாட்டுப் பிரிவைச் சேர்ந்தவை. 23 சதவீதம் திட்டம் மற்றும் ஆலோசனை வழங்கும் பிரிவைச் சேர்ந்தவை. 32 சதவீதம் ஐ.டி. பிரிவைச் சேர்ந்தவை. 50-க்கும் மேற்பட்ட நிறுவனங்கள் ஸ்டார்ட் அப் நிறுவனங்கள் ஆகும். இந்த முதல்கட்ட வளாக நேர்முகத் தேர்வு டிசம்பர் 10-ம் தேதி வரை நடைபெறும்.

இவ்வாறு அதில் கூறப்பட்டுள்ளது.

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Edition: Hyderabad

Page no.: 9

Journalist: NA

Headline: IIT Madras Campus Placements

మద్రాసు ఐఐటిలో క్యాంపస్ సెలక్షన్ల హడావుడి

చెన్నై, నవంబరు 23: మద్రాసు ఐఐటిలో క్యాంపస్ సెలక్షన్ల సీజన్ మొదలైంది. వచ్చేనెల ప్రారంభం నుంచి మొదలయ్యే ఈ సీజన్ కోసం యుఐడిఎఐ, నాస్డాక్ సంస్థలతో పాటు తొలిసారిగా అంతర్జాతీయ ఐటి దిగ్గజ సంస్థ ఆపిల్ కూడా ఈ సారి క్యాంపస్ సెలక్షన్ కోసం వస్తోంది. గత ఏడాది దాదాపు 250కంపెనీలు 400 మంది ఉద్యోగార్థుల కోసం రాగా ఈసారి ఇప్పటికే 270కి పైగా కంపెనీలు ఇందు కోసం రిజిస్టర్ చేసుకున్నాయి. 2017-18 విద్యాసంవత్సరానికి గాను క్యాంపస్ రిక్రూట్మెంట్ మొదటిదశ వచ్చేనెల మొదటి నుంచి 10వ తేదీదాకా ఉద్యోగాలకోసం ఎంపిక చేసుకునే వారిలో దాదాపు 43మంది ఇంజనీరింగ్, ఆర్అండ్డి రంగాలకు చెందినవారే కాగా మరో 20శాతం మంది ఫైనాన్స్, అనలిటిక్స్, కస్టమర్ డివీజన్లకు చెందినవారు ఉంటారు. 32శాతం మంది ఐటి రంగానికి చెందిన వారు ఉండే అవకాశం ఉంది. ఈసారి 50కి పైగా స్టార్టప్ కంపెనీలు కూడా ఈ క్యాంపస్ సెలక్షన్లో పాల్గొంటున్నాయి. ఐఐటి మద్రాసులో ఫ్లేస్మెంట్ సీజన్కు రానురాను ఆధరణ పెరుగుతుందని, అది ఉద్యోగాల నియామకాల్లోనూ ప్రస్తుతం అవుతుందని ఐఐటి మద్రాస్ శిక్షణా, నియామకాల విభాగం సలహాదారు ప్రొఫెసర్ మను సంతానం ఒక ప్రకటనలో తెలిపారు. ఈ ఏడాది వివిధ రంగాలు, డిపార్ట్మెంట్లకు చెందిన 11వందల మందికి పైగా విద్యార్థులు క్యాంపస్ సెలక్షన్ కోసం రిజిస్టర్ చేసుకున్నారని కూడా ఆ ప్రకటనలో తెలిపారు.

Date: 24th November 2017

Publication: The Hindu

Edition: Online

Journalist: NA

Headline: Apple Inc. looks to hire from IIT-Madras

URL: <http://www.thehindu.com/todays-paper/apple-inc-looks-to-hire-from-iit-madras/article20745125.ece>

Apple Inc. looks to hire from IIT-Madras

For the first time, students of the Indian Institute of Technology-Madras will see tech giant Apple Inc. participate in the campus recruitment process. Other first-timers include the Unique Identification Authority of India (UIDAI), UBS AG, Nasdaq Stock Market, Alvarez and Marsal India, Country Garden, Halma India, Rubrik and Sekisui Chemical.

Date: 24th November 2017

Publication: UNI

Edition: Online

Journalist: NA

Headline: IIT-M gears up for campus placement, in a first Apple Inc, UIDAI and Nasdaq to recruit students

URL: <http://www.uniindia.com/iit-m-gears-up-for-campus-placement-in-a-first-apple-inc-uidai-and-nasdaq-to-recruit-students/states/news/1055460.html>

IIT-M gears up for campus placement, in a first Apple Inc, UIDAI and Nasdaq to recruit students

Chennai, Nov (UNI) Indian Institute of Technology-Madras (IIT-M) is all set for this year's placement season beginning on December one.

As many as 270 companies have registered as on date for more than 400 job profiles, compared to 250 companies in the whole of last year (2016-17) for the same number of job profiles.

The first phase of campus recruitment for 2017-18 will be held between December one and 10 2017 with a break of day's (December 5) in between, an IIT-M release said today.

Apple Inc is coming to IIT-M campus for placements for the first time. The other first-time companies, who have registered for the first phase of placements, included Unique Identification Authority of India (UIDAI), UBS AG, Nasdaq, Alvarez and Marsal India Private Limited, Country Garden, Halma India, Rubrik, and Sekisui Chemical.

Nearly 15 percent of the registered firms were first-time companies. Traditional recruiters such as Microsoft, Samsung R and D, Goldman Sachs, Eaton, Schlumberger, Mahindra, Intel, Bajaj, EXL, Citi, Larsen and Toubro have also registered for recruitment this year.

As many as 19 companies have advertised international profiles, most of which were or positions in Asian countries such as Japan, Singapore, and Taiwan, along with the US as well.

Date: 24th November 2017

Publication: India Education Diary

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: IIT Madras gears up for Placements from December 1, 2017

URL: <http://indiaeducationdiary.in/iit-madras-gears-placements-december-1-2017/>

IIT Madras gears up for Placements from December 1, 2017

Indian Institute of Technology Madras is all set for this year's placement season, scheduled to begin on 1st December 2017. As many as 270 companies have registered as on date for more than 400 job profiles, compared to 250 companies in the whole of last year (2016-17) for the same number of job profiles. The 1st Phase of campus recruitment for 2017-18 will be held between December 1 and 10, 2017 with a break of one day (December 05, 2017) in between.

Speaking about this year's Placement Season, Prof. Manu Santhanam, Advisor, Training and Placement, IIT Madras, said, "Our team of students and the staff at the IIT Madras Placement Office have worked hard to bring in a large number of recruiters to the campus, and thanks to their efforts, this placement season looks promising. We have already seen a major jump in the number of PPOs, so we are hoping that the success translates into the placements too".

About 43 percent of the recruiters are from Core Engineering / R & D sector, 25 percent from Finance / Analytics / Consulting sectors, and 32 percent from the IT sector. The Institute will host more than 50 start-ups this year.

Already, the institute has recorded a 56 percent increase in the Pre-Placement Offers (PPOs), which comes from internships. As many as 114 PPOs have been received this year by IIT Madras students as against 73 in the preceding Year.

More than 1,100 students have registered for placements across different study streams and departments this year. The number is expected to increase, as more Research Scholars become eligible (this happens as and when they achieve a specific target in their research programme).

About 35 students have opted for deferred placements as they are either pursuing Start-up ventures or planning to apply for higher studies.

Apple Inc is coming to IIT Madras campus for placements for the first time! The other first-time companies who have registered for the first phase of placements include Unique Identification Authority of India (UIDAI), UBS AG, Nasdaq Stock Market, Alvarez and Marsal India Pvt Ltd, Country Garden, Halma India Pvt Ltd, Rubrik, and Sekisui Chemical. Nearly 15 percent of the registered companies are first-time companies.

Traditional recruiters such as Microsoft, Samsung R and D, Goldman Sachs, Eaton, Schlumberger, Mahindra, Intel, Bajaj, EXL, Citi, Larsen and Toubro are coming to IIT Madras for recruitment this year as well.

As many as 19 companies have advertised international profiles, most of which are for positions in Asian countries such as Japan, Singapore, and Taiwan, along with the U.S. as well.

This year, with a view of reducing the stress faced by the students in the early phase of the process, IIT Madras has done away with the 'Graveyard Slot,' which begins the early hours of Day One (December 1), usually from 12 midnight to 6 am.

Date: 25th November 2017

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Edition: Kochi

Page no.: 8

Journalist: NA

Headline: 15% of companies at IIT Madras placement session to be first-timers

15% of companies at IIT Madras placement session to be first-timers

TIMES NEWS NETWORK

Chennai: About 15% of the companies set to visit IIT Madras for the first phase of this year's placement session, scheduled to begin on December 1, will be coming to the campus for the first time, including Apple Inc. and Unique Identification Authority of India (UIDAI).

Among the other first-timers who have registered for the first phase are UBS AG, Nasdaq Stock Market, Alvarez and Marsal India Pvt Ltd, Country Gar-

den, Halma India Pvt Ltd, Rubrik, and Sekisui Chemical, said IIT placement cell.

There will also be a jump in the number of companies visiting the institute. A total of 270 companies have registered so far for more than 400 job profiles, compared to the 250 companies that came throughout last year (2016-17) for the same number of job profiles. The first phase of campus recruitment for 2017-18 will be held between December 1 and 10 with a day's break on December 5.

Date: 25th November 2017

Publication: Rajasthan Patrika

Edition: Delhi/Ahemdabad/Kolkata

Page no.: 12

Journalist: NA

Headline: Apple, Nasdaq and UIDAI to be recruiters at IIT Madras placement drive

आईआईटी मद्रास...

प्लेसमेंट ड्राइव में एपल, नैसडेक व यूआईडीएआई

चेन्नई @ पत्रिका. इस साल आईआईटी मद्रास का प्लेसमेंट ड्राइव 1 दिसंबर से शुरू होगा। ड्राइव के लिए रजिस्टर्ड कंपनियों में से करीब 15 फीसदी कंपनियां पहली बार हिस्सा ले रही हैं।

इनमें एपल, नैसडेक और यूनिक आइडेंटिफिकेशन अथॉरिटी ऑफ इंडिया (यूआईडीएआई), यूबीएस एजी, नैसडेक स्टॉक मार्केट, अल्वारेज एंड मारसल इंडिया प्राइवेट लिमिटेड, कंट्री गार्डन, हैलमा इंडिया प्राइवेट लिमिटेड, रुबरिक एंड सेकीसुई



केमिकल शामिल हैं। वहीं अन्य कंपनियों में माइक्रोसॉफ्ट, सैमसंग, इंटन, शलमबरजे, गोल्डमन सैचिस, महिंद्रा, इंटेल, बजाज, सिटी, लार्सन एंड टूब्रो भी भर्ती अभियान में शामिल होंगी।

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Page no.: 10

Journalist: NA

Headline: Apple & Nasdaq recruiters at IIT Madras

‘आयआयटी’मध्ये अॅपल, नॅसडॅक

चेन्नई; येत्या १ डिसेंबरपासून सुरु होत असलेल्या ‘आयआयटी मद्रास’च्या प्लेसमेंट्समध्ये जागतिक कीर्तीची अमेरिकी कंपनी अॅपल तसेच नॅसडॅक या भारतीय आधार प्राधिकरण यासारख्या नामांकित संस्था पहिल्यांदाच सहभागी होणार आहेत. जागतिक पातळीवरील इतरही अनेक मान्यवर कंपन्या विद्यार्थ्यांना नोकऱ्या देण्यास उत्सुक आहेत, असे सूत्रांनी सांगितले.

आयआयटी मद्रासच्या संदर्भात कॅम्पस इंटरव्ह्यूसाठी नोंदणी करणाऱ्या कंपन्यांत १५ टक्के कंपन्या येथील प्लेसमेंट प्रक्रियेत पहिल्यांदाच सहभागी होत आहेत. पहिल्यांदाच कॅम्पसमध्ये येत असलेल्या अन्य कंपन्यांत वूबीएस एजी, नॅसडॅक स्टॉक मार्केट, अलबरेल अँड मार्सेल इंडिया, कॅन्ट्री गार्डन, इलमा इंडिया, रुबिन्स आणि सेक्सिमुई केनिकल्स यांचा समावेश आहे.

यंदा कॅम्पसमध्ये सहभागी कंपन्यांची संख्याही वाढली आहे. ४०० पेक्षा जास्त जांब प्रोफाइल्ससाठी यंदा २७० कंपन्यांनी कॅम्पससाठी

नोंदणी केली आहे. येत्या वर्षी म्हणजेच २०१६-१७ मध्ये एकूणच जांब प्रोफाइल्ससाठी २५० कंपन्यांनी नोंदणी केली होती. २०१७-१८ च्या प्लेसमेंट प्रक्रियेचा पहिला टप्पा १ ते २० डिसेंबर या काळात होईल, यात ५ डिसेंबर रोजी एक दिवसाचा विश्राम असेल.

नोंदणी करणाऱ्या ४३ टक्के कंपन्या इंजिनीअरिंग आणि आर अँड डी क्षेत्रातील आहेत. २५ टक्के कंपन्या वित्त, विश्लेषण, सल्ला क्षेत्रातील, तर ३२ टक्के कंपन्या आयटी क्षेत्रातील आहेत. ५० स्टार्टअप कंपन्यांचाही त्यात समावेश आहे. नोकर भरतीसाठी नेहमीच्या कंपन्याही येत आहेतच. मायक्रोसॉफ्ट, सॅमसंग आर अँड डी, गील्डवर्न सॉस, एटॉन, स्क्वियर, महिंद्रा, इटेल, प्रजाप, ईएक्सएल, सिटी, लार्सन अँड टुवॉ यांचा त्यात समावेश आहे. १९ कंपन्यांनी आंतरराष्ट्रीय प्रोफाइल्सची याचीच जाहिरात केली आहे. त्यातील बहुतांश प्रोफाइल्स जपान, सिंगापूर आणि तैवान या आशियाई देशांसह अमेरिकेतील आहेत. (वृत्तसंस्था)

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Edition: Kolkata
Page no.: 13
Journalist: NA
Headline: Apple & Nasdaq recruiters at IIT Madras

एप्पल और नैसडैक आइआइटी मद्रास के प्लेसमेंट में शामिल

चेन्नई. आइआइटी मद्रास में एक दिसंबर से शुरू हो रहे प्लेसमेंट में एप्पल, नैसडैक और यूआइडीएआइ (यूनिक आइडेंटिफिकेशन अथॉरिटी ऑफ इंडिया) जैसी कंपनियां पहली बार भाग ले रही हैं. 10 दिसंबर तक चलने वाले इस प्लेसमेंट में 270 कंपनियों ने अपना रजिस्ट्रेशन करवाया है. इनमें से करीब 15 फ्रीसदी कंपनियां पहली बार इसमें हिस्सा ले रही हैं. इन कंपनियों में से करीब 43 फ्रीसदी कोर इंजिनियरिंग/आरएंडडी सेक्टर, 25 फ्रीसदी फाइनांस/ऐनालिटिक्स/कंसल्टिंग सेक्टर्स और 32 फ्रीसदी आइटी सेक्टर से है. इस साल 50 से ज्यादा स्टार्टअप्स भी प्लेसमेंट में हिस्सा लेंगी. पिछले साल 400 जॉब प्रोफाइल के लिए 250 कंपनियों ने रजिस्ट्रेशन करवाया था.

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Publication: Navodaya Times

Edition: Online

Journalist: NA

Headline: Apple and UIDAI to be among first-time recruiters during placements in IIT Madras

URL: <http://www.navodayatimes.in/news/khabre/apple-uidai-nasdaq-among-first-timers-at-iit-madras-final-placements-this-year/64085/>

IIIT मद्रास से पहली बार स्टूडेंट्स का चयन करेगी Apple और UIDAI

नई दिल्ली/टीम डिजिटल।आईआईटी मद्रास के लिए खुशखबरी है। इस बार यहां के छात्रों का चयन ऐपल और यूनीक आइडेंटिफिकेशन अथॉरिटी ऑफ इंडिया (यूआईडीएआई) भी करेंगे।ऐसा इसलिए हुआ है क्योंकि इस साल आईआईटी मद्रास के प्लेसमेंट ड्राइव में ऐपल और यूनीक आइडेंटिफिकेशन अथॉरिटी ऑफ इंडिया (यूआईडीएआई) पहली बार भाग लेंगी।

आईआईटी मद्रास में भर्ती प्रक्रिया 1 दिसंबर से शुरू होगी। यही नहीं इस बार के प्लेसमेंट ड्राइव में जिन कंपनियों ने अपने नाम दिए हैं उनमें से 15 कंपनियां पहली बार इस प्लेसमेंट ड्राइव का हिस्सा बन रही हैं।समेंट ड्राइव में भाग लेने वाली कंपनियों में यूबीएस एजी, नैसडैक स्टॉक मार्केट, अल्वारेज एंड मारसल इंडिया प्राइवेट लिमिटेड, कंट्री गार्डन, हैलमा इंडिया प्राइवेट लिमिटेड, रुबरिक एंड सेकीसुई केमिकल शामिल हैं। प्लेसमेंट में परंपरागत रूप से हिस्सा लेने वाली कंपनियां जैसे माइक्रोसॉफ्ट, सैमसंग आर एंड डी, गोल्डमन सैचिस, ईटन, शलमबरजे, महिंद्रा, इंटेल्, बजाज, ईएक्सएल, सिटी, लार्सन एंड टूब्रो भी भर्ती अभियान में शामिल होंगी।

इस साल कैम्पस प्लेसमेंट के लिए इंस्टिट्यूट में आने वाली कंपनियों की संख्या में बड़ी उछाल आई है। पिछले साल 400 जॉब प्रोफाइल के लिए 250 कंपनियों ने रजिस्ट्रेशन करवाया था जबकि इस साल कुल 270 कंपनियां अब तक रजिस्टर्ड हैं। इन कंपनियों में से करीब 43 फीसदी कोर इंजिनियरिंग/आर एंड डी सेक्टर, 25 फीसदी फाइनेंस/एनालिटिक्स/कंसल्टिंग सेक्टर्स और 32 फीसदी आईटी सेक्टर से है। इस साल 50 से ज्यादा स्टार्टअप्स भी हिस्सा लेंगी।

Date: 25th November 2017

Publication: Tamil Samayam

Edition: Online

Journalist: NA

Headline: Apple to recruit from IIT Madras

URL: <https://tamil.samayam.com/employment-news/iit-madras-placements-apple-nasdaq-uidai-among-recruiters/articleshow/61782382.cms>

முதல் முறையாக சென்னை ஐஐடி மாணவர்களுக்கு வேலை கொடுக்கும் ஆப்பிள்

ஆப்பிள் நிறுவனம் முதல் முறையாக சென்னை ஐஐடியில் படிக்கும் மாணவர்களுக்கு வேலை வாய்ப்பு அளிக்க முன்வந்துள்ளது.

சென்னை ஐஐடியில் வரும் டிசம்பர் 1ஆம் தேதி முதல் கேம்பஸ் இன்டர்வியூ தொடங்குகிறது. இதில் 270 நிறுவனங்கள் பங்கேற்பதாக இதுவரை பதிவு செய்திருக்கின்றன. இந்நிறுவனங்களில் உள்ள 400 பணிகளுக்கு மாணவர்கள் தேர்வு செய்யப்பட உள்ளனர்.

பதிவு செய்திருக்கும் நிறுவனங்களில் 15 சதவீதம் நிறுவனங்கள் முதல் முறையாக சென்னை ஐஐடி கேம்பஸ் இன்டர்வீயூவில் பங்கேற்கின்றன.

கடந்த 2016-17ஆம் ஆண்டில் 250 நிறுவனங்கள் மட்டுமே பங்கேற்ற நிலையில் இந்த ஆண்டு மேலும் 20 நிறுவனங்கள் பங்கேற்பது குறிப்பிடத்தக்கது.

குறிப்பாக ஆப்பிள் நிறுவனம் இந்த ஆண்டு முதல் முறையாக சென்னை ஐஐடி மாணவர்களுக்கு வேலை வாய்ப்பு அளிக்க முன்வந்துள்ளது. பொதுத்துறை நிறுவனமான ஆதார் ஆணையமும் (UIDAI) முதல் முறையாக சென்னை ஐஐடி மாணவர்களுக்கு வேலை வாய்ப்பு அளிக்கக் காத்திருக்கிறது.

Date: 25th November 2017

Publication: Tamil Good Returns

Edition: Online

Journalist: NA

Headline: Apple, Nasdaq and UIDAI To Be First-Time Recruiters At IIT-Madras

URL: <https://tamil.goodreturns.in/news/2017/11/24/apple-uidai-nasdaq-among-first-timers-at-iit-madras-final-placemnets-this-year-009549.html>

சென்னை மாணவர்களுக்கு அடித்த ஜாக்பாட்... ஆப்பிள் நிறுவனத்தில் வேலை வாய்ப்பு

ஆப்பிள் நிறுவனம் முதன் முறையாகச் சென்னை ஐஐடி மாணவர்களைப் பணிக்கு எடுக்க உள்ளது. ஆப்பிள் மட்டும் இல்லாமல் ஆதார, நாஸ்டாக் உள்ளிட்ட நிறுவனங்களும் ஐஐடி மாணவர்களைப் பணிக்கு எடுக்கின்றன. சென்ற ஆண்டை விட இந்த ஆண்டு 20கும் மேற்பட்ட நிறுவனங்கள் புதிதாக நேர்காணலுக்கு ஐஐடி சென்னைக்கு நேர்காணலில் பணிக்கு எடுக்க வர உள்ளதாம்.

மொத்த நிறுவனங்கள்

சென்ற ஆண்டு 250 நிறுவனங்கள் நேர்கனல் மூலம் பணிக்கு ஆட்களை எடுத்தன. ஆனால் இந்த ஆண்டு 270 நிறுவனங்கள் 400க்கும் மேற்பட்ட ஊழியர்களைப் பணிக்கு எடுக்க உள்ளதாம்.

நேர்காணல்

சென்னை ஐஐடி-ல் 2017-2018 நிதி ஆண்டில் முதற்கட்டமாக நேர்காணல் டிசம்பர் 1 முதல் 10 வரை ஒரு நாள் விடுமுறை உடன் பணிக்கு மாணவர்களைத் தேர்வு செய்ய உள்ளன.

பிரிவுகள்

மாணவர்களைப் பணிக்கு எடுக்கும் நிறுவனங்களில் 43 சதவீதத்தினர் பொறியியல் / R & D துறையிலும், ஃபினான்ஸ் / அனலிட்டிக்ஸ் / கன்சல்டிங் துறையில் 25 சதவீதமும், ஐடி துறையில் 32 சதவீதமும் பணிக்கு ஊழியர்களை எடுக்கின்றனர். அதுமட்டும் இல்லாமல் 50-க்கும் மேற்பட்ட ஸ்டார்ட் அப் நிறுவனங்கள் இந்த ஆண்டு அறிமுகம் செய்யப்படுகின்றன.

பதிவு செய்த மாணவர்கள்

ஐஐடி-ல் 1,100 மாணவர்கள் இந்த நேர்காணலுக்குப் பதிவு செய்துள்ளனர். சுமார் 35 மாணவர்கள் ஒத்திவைக்கப்பட்ட வேலை வாய்ப்புகளைத் தேர்ந்தெடுத்துள்ளனர், ஏனெனில் அவர்கள் ஸ்டார்ட் அப் தொடங்கும் முயற்சிகளையோ அல்லது உயர்நிலைப் படிப்பிற்கோ விண்ணப்பிக்கத் திட்டமிட்டுள்ளனர்.

வெளிநாட்டுப் பணிகள்

19 நிறுவனங்கள் சர்வதேச பணிகளுக்கு ஊழியர்களைப் பணிக்கு எடுத்துள்ளன. அவற்றுள் பெரும்பாலானவை ஆசிய நாடுகளான ஜப்பான், சிங்கப்பூர் மற்றும் தைவான் போன்ற நாடுகளுடன் அமெரிக்காவும் உள்ளது.

Date: 25th November 2017

Publication: One India- Telugu

Edition: Online

Journalist: NA

Headline: Placements in IIT Madras; Apple, Nasdaq and UIDAI To Be First-Time Recruiters

URL: <https://telugu.oneindia.com/news/india/iit-madras-placements-apple-nasdaq-uidai-among-recruiters-216245.html>

ఊక్కిలకు శుభవార్త: ఐఐటీ చెన్నైలో క్యాంపస్ రిక్రూట్‌మెంట్, దిగ్గజ కంపెనీలు

చెన్నై: ఐఐటీ మద్రాస్ క్యాంపస్ క్యాంపస్‌లో ఉద్యోగావకాశాలు దక్కనున్నాయి. ప్రముఖ ఊక్ కంపెనీలు క్యాంపస్ రిక్రూట్‌మెంట్ల నిర్వహించేందుకు సిద్ధమయ్యాయి. డిసెంబర్ 1 నుండి ప్రారంభమయ్యే ఈ రిక్రూట్‌మెంట్ ప్రక్రియలో ప్రముఖ కంపెనీలు రానున్నాయి. ఐఐటీ మద్రాస్ క్యాంపస్‌లో పెద్ద ఎత్తున కంపెనీలు క్యాంపస్ ఇంటర్వ్యూలు నిర్వహించేందుకు సిద్ధమయ్యాయి. గతానికి భిన్నంగా ఈ దఫా ప్రముఖ కంపెనీలు క్యాంపస్ ఇంటర్వ్యూలో పాల్గొననున్నాయి. క్యాంపస్ ఇంటర్వ్యూల్లో సెలెక్షన్‌యే అభ్యర్థులకు భారీగా వేతనాలు పొందే అవకాశాలున్నాయని నిపుణులు చెబుతున్నారు. ఈ క్యాంపస్ ఇంటర్వ్యూలు ఊక్కిలకు మంచి అవకాశాలను అందించే అవకాశం ఉందంటున్నారు.

ఐఐటీ చెన్నైలో క్యాంపస్ ఇంటర్వ్యూలు డిసెంబర్

1.నుంచి ప్రారంభమయ్యే ఐఐటీ మద్రాస్ వార్షిక ప్లేస్‌మెంట్స్‌లో తొలిసారిగా యాపిల్, యూఐడీఎఐ వంటి సంస్థలు పాల్గొననున్నాయి. క్యాంపస్ రిక్రూట్‌మెంట్లతో ఉన్నత విద్యా సంస్థలు కళకళలాడనున్నాయి.. ఆర్థిక మందగమనం క్రమంగా తొలగిపోతుండటంతో దిగ్గజ కంపెనీలు క్యాంపస్ రిక్రూట్‌మెంట్లతో తాజా నైపుణ్యాలను సమీకరించేందుకు ఆసక్తికనబరుస్తున్నాయి.

దిగ్గజ కంపెనీల క్యాంపస్ ఇంటర్వ్యూలు

చెన్నై ఐఐటీ క్యాంపస్‌లో రిక్రూట్‌మెంట్‌లో పాల్గొనేందుకు నమోదు చేసుకున్న కంపెనీల్లో దాదాపు 15 శాతం సంస్థలు తొలిసారి ఈ ప్రక్రియలో పాల్గొంటున్నాయి. యూబీఎస్ ఏజీ, నాస్టాక్ స్టాక్ మార్కెట్, అల్వారెజ్, మర్సల్ ఇండియా ప్రైవేట్ లిమిటెడ్, కంట్రీ గార్డెన్, హల్కా ఇండియా ప్రైవేట్ లిమిటెడ్, సెకిసూ కెమికల్ వంటి దిగ్గజ కంపెనీలున్నాయి. మొత్తం 400 జాబ్ ప్రొఫైల్స్‌తో 270 కంపెనీలు ప్లేస్‌మెంట్స్‌లో పాల్గొనేందుకు రిజిస్టర్ చేయించుకున్నాయి.

3.గత ఏడాది 250 కంపెనీలు

గత ఏడాది ప్లేస్‌మెంట్స్‌లో 250 కంపెనీలు ఐఐటీ చెన్నై క్యాంపస్‌లో రిక్రూట్‌మెంట్ ప్రక్రియలో పాల్గొన్నాయి. ఇక ఈ ఏడాది పార్టీసిపెంట్స్‌లో 43 శాతం రిక్రూటర్స్ ఇంజనీరింగ్, ఆర్అండీడీ నుంచి, 25 శాతం హైనాన్స్ రంగం, 32 శాతం కంపెనీలు ఐటీ రంగం నుంచి పాల్గొంటున్నాయి.

ఈ ఏడాది నుండి 50 స్టార్టప్ కంపెనీలు 2017-18 క్యాంపస్ రిక్రూట్‌మెంట్ తొలిదశ డిసెంబర్ 1 నుంచి 10 వరకూ జరుగుతుందని ఐఐటీ మద్రాస్ వర్గాలు పేర్కొన్నాయి. మరోవైపు ఈ ఏడాది ఐఐటీ మద్రాస్

50 స్టార్లపలకు శ్రీకారం చుట్టనుంది. చెన్నై ఐఐటీ క్యాంపస్లో ధిగ్గజ కంపెనీలు రావడంతో విద్యార్థులకు మంచి వేతనాలతో కూడిన ఉద్యోగాలు దక్కే అవకాశం ఉందంటున్నారు.

Date: 25th November 2017

Publication: Nav Bharat Times

Edition: Online

Journalist: Vinayshree J

Professor: Prof. Manu Santhanam

Headline: IIT Madras: Apple & UIDAI among recruiters

URL: <https://navbharattimes.indiatimes.com/education/education-news/iit-madras-placements-apple-nasdaq-uidai-among-recruiters/articleshow/61780173.cms>

IIT-मद्रास: प्लेसमेंट ड्राइव में ऐपल और UIDAI भी

इस साल आईआईटी मद्रास के प्लेसमेंट ड्राइव में ऐपल और यूनीक आइडेंटिफिकेशन अथॉरिटी ऑफ इंडिया (यूआईडीएआई) पहली बार भाग लेंगी। आईआईटी मद्रास में भर्ती प्रक्रिया 1 दिसंबर से शुरू होगी।

आईआईटी-मद्रास में प्लेसमेंट ड्राइव के लिए जितनी कंपनियां रजिस्टर्ड हैं, उनमें से करीब 15 फीसदी कंपनियां पहली बार इसमें हिस्सा लेंगी। पहली बार प्लेसमेंट ड्राइव में भाग लेने वाली कंपनियों में यूबीएस एजी, नैसडैक स्टॉक मार्केट, अल्वारेज एंड मारसल इंडिया प्राइवेट लिमिटेड, कंट्री गार्डन, हैलमा इंडिया प्राइवेट लिमिटेड, रुबरिक एंड सेकीसुई केमिकल शामिल हैं। प्लेसमेंट में परंपरागत रूप से हिस्सा लेने वाली कंपनियां जैसे माइक्रोसॉफ्ट, सैमसंग आर एंड डी, गोल्डमन सैचिस, ईटन, शलमबरजे, महिंद्रा, इंटेल्, बजाज, ईएक्सएल, सिटी, लार्सन एंड टूब्रो भी भर्ती अभियान में शामिल होंगी।

इस साल कैम्पस प्लेसमेंट के लिए इंस्टिट्यूट में आने वाली कंपनियों की संख्या में बड़ी उछाल आई है। पिछले साल 400 जॉब प्रोफाइल के लिए 250 कंपनियों ने रजिस्ट्रेशन करवाया था जबकि इस साल कुल 270 कंपनियां अब तक रजिस्टर्ड हैं। इन कंपनियों में से करीब 43 फीसदी कोर इंजिनियरिंग/आर एंड डी सेक्टर, 25 फीसदी फाइनेंस/ऐनालिटिक्स/कंसल्टिंग सेक्टर्स और 32 फीसदी आईटी सेक्टर से है। इस साल 50 से ज्यादा स्टार्टअप्स भी हिस्सा लेंगी।

इस साल संस्थान में ज्यादा से ज्यादा जॉब ऑफर मिलने की उम्मीद है। प्री-प्लेसमेंट ऑफर्स में भी 56 फीसदी बढ़ोतरी दर्ज की गई है। इस साल अब तक आईआईटी मद्रास के छात्रों को 114 प्री-प्लेसमेंट ऑफर्स मिल चुके हैं जबकि पिछले साल 73 पीपीओ ही मिले थे।

आईआईटी मद्रास में ट्रेनिंग और प्लेसमेंट के अडवाइजर मनु संतानम ने बताया, 'छात्रों और स्टाफ की हमारी टीम ने कैम्पस तक रिक्रूटर्स को बड़ी संख्या में आकर्षित करने के लिए कड़ी मेहनत की है और इस प्लेसमेंट सीजन से काफी उम्मीदें हैं। हमारे यहां पीपीओ में बड़ी उछाल आई है और इसे देखते हुए हम उम्मीद करते हैं कि यह सफलता प्लेसमेंट में भी परिवर्तित होगी।'

Date: 25th November 2017

Publication: One India- Hindi

Edition: Online

Journalist: Rahul Sankrityayan

Professor: Prof. Manu Santhanam

Headline: Apple and UIDAI to be among recruiters during placements in IIT Madras

URL: <https://hindi.oneindia.com/news/india/placements-in-iit-madras-apple-nasdaq-uidai-are-coming-recruiters-433551.html>

IIT Madras में इस बार Uidai और Apple आंगी नौकरियां देने

चेन्नई। IIT- मद्रास में इस साल के प्लेसमेंट को 1 दिसंबर से शुरू होने वाली नियुक्ति प्रक्रिया में एप्पल इंक और यूनिक आइडेंटिफिकेशन अथॉरिटी ऑफ इंडिया (यूआईडीएआई) जैसी कंपनियां पहली बार यहां नौकरी देने जाएंगी। पंजीकृत कंपनियों में लगभग 15% कंपनियां पहली बार कैंपस में जाएंगी। नियुक्तियों के लिए यूबीएस एजी, नास्टेक स्टॉक मार्केट, अल्वरेज़ और मार्सल इंडिया प्राइवेट लिमिटेड, कंट्री गार्डन, हलमा इंडिया प्राइवेट लिमिटेड, रुबरिक और सेकीसूई केमिकल शामिल हैं। इस साल संस्थान में आने वाली कंपनियों की संख्या में भी बढ़ोत्तरी हो रही है। पिछले साल (2016-17) 250 कंपनियों की तुलना में कुल 270 कंपनियों ने 400 से अधिक नौकरियों के लिए अभी तक पंजीकरण कराया है। 2017-18 के लिए कैंपस प्लेसमेंट का पहला चरण 1 और 10 दिसंबर के बीच एक दिन (5 दिसंबर) के बीच के बीच होगा। लगभग 43% कंपनियां इंजीनियरिंग, कंपनियां रिसर्च एंड डेवलपमेंट सेक्टर से हैं, 25% फाइनेंस/एनालिसिस/कंसल्टिंग सेक्टर से हैं, और 32% कंपनियां आईटी सेक्टर से हैं। संस्थान इस साल 50 से अधिक स्टार्टअप कंपनियों की मेजबानी करेगा।

माइक्रोसॉफ्ट, सैमसंग आर एंड डी, गोल्डमैन सैक्स, ईटन, श्लमबर्गर, महिंद्रा, इंटेल्, बजाज, एक्सीएल, सिटी, लार्सन और टर्बो जैसे पारंपरिक कंपनियां भी इस वर्ष भर्ती के लिए IIT- मद्रास आ रहे हैं। 19 कंपनियों ने अंतरराष्ट्रीय प्रोफाइल का विज्ञापन किया है, जिनमें से ज्यादातर जापान, सिंगापुर और ताइवान जैसे एशियाई देशों में पदों के लिए हैं। IIT- मद्रास में ट्रेनिंग एंड प्लेसमेंट सलाहकार, मनु संथानम ने कहा, "IIT- मद्रास प्लेसमेंट कार्यालय में छात्रों और कर्मचारियों की हमारी टीम ने परिसर में बड़ी संख्या में कंपनियों को लाने के लिए कड़ी मेहनत की है। 1100 से अधिक छात्रों ने विभिन्न विभागों में नियुक्तियों के लिए पंजीकरण कराया है।

Date: 26th November 2017

Publication: Chennai Patrika

Edition: Online

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: IIT Madras gears up for Placements from December 1, 2017

URL: <http://news.chennaiatrika.com/post/2017/11/25/IIT-Madras-gears-up-for-Placements-from-December-1-2017.aspx>

IIT Madras gears up for Placements from December 1, 2017

Chennai: Indian Institute of Technology Madras is all set for this year's placement season, scheduled to begin on 1st December 2017.

As many as 270 companies have registered as on date for more than 400 job profiles, compared to 250 companies in the whole of last year (2016-17) for the same number of job profiles. The 1st Phase of campus recruitment for 2017-18 will be held between December 1 and 10, 2017 with a break of one day (December 05, 2017) in between.

Speaking about this year's Placement Season, Prof. Manu Santhanam, Advisor, Training and Placement, IIT Madras, said, "Our team of students and the staff at the IIT Madras Placement Office have worked hard to bring in a large number of recruiters to the campus, and thanks to their efforts, this placement season looks promising. We have already seen a major jump in the number of PPOs, so we are hoping that the success translates into the placements too".

About 43 percent of the recruiters are from Core Engineering / R & D sector, 25 percent from Finance / Analytics / Consulting sectors, and 32 percent from the IT sector. The Institute will host more than 50 start-ups this year.

Already, the institute has recorded a 56 percent increase in the Pre-Placement Offers (PPOs), which comes from internships. As many as 114 PPOs have been received this year by IIT Madras students as against 73 in the preceding Year.

More than 1,100 students have registered for placements across different study streams and departments this year. The number is expected to increase, as more Research Scholars become eligible (this happens as and when they achieve a specific target in their research programme).

About 35 students have opted for deferred placements as they are either pursuing Start-up ventures or planning to apply for higher studies.

Apple Inc is coming to IIT Madras campus for placements for the first time! The other first-time companies who have registered for the first phase of placements include Unique Identification Authority of India (UIDAI), UBS AG, Nasdaq Stock Market, Alvarez and Marsal India Pvt Ltd, Country Garden, Halma India Pvt Ltd, Rubrik, and Sekisui Chemical. Nearly 15 percent of the registered companies are first-time companies.

Traditional recruiters such as Microsoft, Samsung R and D, Goldman Sachs, Eaton, Schlumberger, Mahindra, Intel, Bajaj, EXL, Citi, Larsen and Toubro are coming to IIT Madras for recruitment this year as well.

As many as 19 companies have advertised international profiles, most of which are for positions in Asian countries such as Japan, Singapore, and Taiwan, along with the U.S. as well.

This year, with a view of reducing the stress faced by the students in the early phase of the process, IIT Madras has done away with the 'Graveyard Slot,' which begins the early hours of Day One (December 1), usually from 12 midnight to 6 am.

Date: 27th November 2017

Publication: DT Next

Edition: Chennai

Page no.: 2

Journalist: NA

Professor: Prof. Manu Santhanam

Headline: Apple, UIDAI among firms for IIT-M campus recruitment

URL: <http://www.dtnext.in/News/City/2017/11/27005625/1053532/Apple-UIDAI-among-firms-forIITM-campus-recruitment.vpf>

Apple, UIDAI among firms for IIT-M campus recruitment

CHENNAI: The Indian Institute of Technology (IIT), Madras, is all set for its placement season, starting from December 1 onwards. Expectations are high among students as Apple Inc will be part of campus recruitment for the first time.

Around 270 companies are expected to visit that campus and offer students over 400 job profiles. Last year, 250 companies visited the campus with the same number of job profiles.

Apart from Apple, other firms arriving for recruitment for the first time include Unique Identification Authority of India (UIDAI), UBS AG, Nasdaq Stock Market, Alvarez and Marsal India Pvt Ltd, Country Garden, Halma India Pvt Ltd,

Rubrik, and Sekisui Chemical. Nearly 15 percent of the registered companies are first-time companies.

Traditional recruiters such as Microsoft, Samsung R and D, Goldman Sachs, Eaton, Schlumberger, Mahindra, Intel, Bajaj, EXL, Citi, Larsen and Toubro will be hiring this year as well. Meanwhile, 35 students have opted to pursue Start-up ventures or plan to apply for higher studies.

Manu Santhanam, Advisor, Training and Placement, IIT Madras, said, "Our team of students and the staff at the IIT-M Placement Office has worked hard to bring in a large number of recruiters to the campus, and thanks to their efforts, this placement season looks promising. We have already seen a major jump in the

number of Pre-Placement Offers (PPO), so we are hoping that the success translates into the placements too."

About 43 per cent of the recruiters are from core engineering and Research and Development sectors, 25 per cent from finance, analytics, consulting sectors, and 32 per cent from the IT sector. The Institute will host over 50 start-ups this year.

This year, with a view of reducing the stress faced by the students in the early phase of the process, IIT Madras has done away with the 'Graveyard Slot,' which begins the early hours of Day One (December 1), usually from 12 midnight to 6 am.

The first phase of campus recruitment for 2017-18 will be held between December 1 and 10, with a one-day break on December 5.

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ஐ.ஐ.டி., 'கேம்பஸ் இன்டர்வியூ' முதல்முறையாக, 'ஆப்பிள்' பங்கேற்பு

சென்னை, நவ. 27- ஐ.ஐ.டி.-யின், வரும் டிச., 1ம் தேதி துவங்கும் வேலைவாய்ப்பு முகாமில், அமெரிக்காவின் ஆப்பிள் நிறுவனம், முதல் முறையாக பங்கேற்க உள்ளது. தேசிய உயர் கல்வி நிறுவனமான, சென்னை ஐ.ஐ.டி.-யில் படிக்கும், இறுதியாண்டு மாணவர்களுக்கு, ஒவ்வொரு ஆண்டும், 'கேம்பஸ் இன்டர்வியூ' என்ற வளாக தேர்காணல் தேர்வு நடத்தி, வேலைவாய்ப்பு அளிக்கப்படும். 'இந்த ஆண்டுக்கான முதற்கட்ட முகாம், டிச., 1ல் துவங்கி, டிச., 10 வரை நடைபெறும்' என, அறிவிக்கப்பட்டு உள்ளது. மாத்தொறும், பல வட்சம் ரூபாய் சம்பளம் தரும் வகையில், 400 இடங்களுக்கு, எம்.என்.சி., நிறுவனங்கள் வேலைவாய்ப்பு வழங்கும். இதற்கு, கடந்தாண்டு, 250 நிறுவனங்கள் பதிவு செய்த நிலையில், இந்த ஆண்டு, 270 நிறுவனங்கள் பதிவு செய்துள்ளன. இவற்றில், 43 சதவீதம், இன்ஜினியரிங் மற்றும் ஆராய்ச்சி, மேம்பாட்டு துறை சார்ந்தவை. மீதமுள்ளவைகளில், 25 சதவீதம் ஆலோசனை தரும் நிறுவனங்களும், 32 சதவீதம் தகவல் தொழில்நுட்ப பிரிவைச் சேர்ந்த நிறுவனங்களும் அடக்கம். மேலும், 114 பி.பி.ஓ., நிறுவனங்களும், இந்த வேலைவாய்ப்பு முகாமில் பங்கேற்று, தங்கள் நிறுவனங்களுக்கான ஆட்களை, தேர்வு செய்ய உள்ளன. இதற்கு, 1,100 மாணவர்கள் பதிவு செய்துள்ளனர். இத்தாண்டு முதல்முறையாக, அமெரிக்காவின் ஆப்பிள் நிறுவனம், ஐ.ஐ.டி.-யின் வேலைவாய்ப்பு தேர்காணலில் பங்கேற்க உள்ளது. மேலும், ஆதர் எண் வழங்கும், யு.ஐ.டி.ஏ.ஐ., நிறுவனம், நாஸ்டாக் ஸ்டாக் மார்க்கெட், அல்வாரெஸ் மற்றும் மார்ஷல் இன்டிரியர், கன்ட்ரி கார்டன், ஹால் மார் இந்நியா, ரூப்ரிக் மற்றும் செக்சுய் கெமிக்கல் ஆகிய நிறுவனங்களும் இந்த தேர்காணலில் பங்கேற்க உள்ளன. எம்.கே.ரோசாப்ட்., சேம்சல், மஹிந்திரா, இன்டெல், பஜாஜ், எம்.அண்ட் டி போன்ற நிறுவனங்கள், கடந்த ஆண்டைப் போல், இந்த ஆண்டும் வேலைவாய்ப்பு வழங்க உள்ளது குறிப்பிடத்தக்கது. இதில் பங்கேற்கும் பெரும்பாலான நிறுவனங்கள், ஜப்பான், சிக்ஃபூர் மற்றும் சைவான் உள்ளிட்ட நாடுகளிலும், அமெரிக்காவிலும் வேலைவாய்ப்பை வழங்க உள்ளன. இந்த தகவலை, சென்னை, ஐ.ஐ.டி.-யின் வேலைவாய்ப்பு பிரிவு தெரிவித்துள்ளது.



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Professor: Prof. Manu Santhanam

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IIT- Madras Placement: एप्पल देश में पहली बार करेगा कैंपस जाकर छात्रों को प्लेसमेंट

चेन्नई: इस साल IIT- Madras Placement में कई बड़ी कंपनियां पहली बार हिस्सा लेने जा रही है। इन कंपनियों में खास तौर पर एप्पल और यूनीक आइडेंटिफिकेशन अथॉरिटी ऑफ इंडिया (यूआईडीएआई) जैसी कंपनियां शामिल। एप्पल पहली बार भारत में किसी कैंपस से छात्रों को अपनी कंपनी में प्लेसमेंट देने जा रहा है। IIT- Madras Placement की प्रक्रिया 01 दिसंबर से शुरू होने जा रही है। प्लेसमेंट के लिए आने वाली सभी कंपनियों में से 15 फीसदी कंपनियां ऐसी हैं जो पहली बार कैंपस आ रही है। इन कंपनियों में यूबीएस एजी, नैसडैक स्टॉक मार्केट, अल्वारेज एंड मारसल इंडिया प्राइवेट लिमिटेड, कंट्री गार्डन, हैलमा इंडिया प्राइवेट लिमिटेड और रुबरिक एंड सेकीसुई केमिकल जैसी बड़ी कंपनियां शामिल हैं। प्लेसमेंट में परंपरागत रूप से हिस्सा लेने वाली कंपनियां जैसे माइक्रोसॉफ्ट, सैमसंग आर एंड डी, गोल्डमन सैचिस, ईटन, शलमबरजे, महिंद्रा, इंटेल, बजाज, ईएक्सएल, सिटी और लार्सन एंड टूब्रो भी पहले की तरह ही इस बार भी प्रक्रिया का हिस्सा बनेंगी।

270 कंपनियां अब तक रजिस्टर्ड

हिन्दुस्तान के अनुसार इस साल कैंपस प्लेसमेंट के लिए इंडस्ट्रियल में आने वाली कंपनियों की संख्या में बड़ी उछाल आई है। पिछले साल 400 जॉब प्रोफाइल के लिए 250 कंपनियों ने रजिस्ट्रेशन करवाया था जबकि इस साल कुल 270 कंपनियां अब तक रजिस्टर्ड हैं। इन कंपनियों में से करीब 43 फीसदी कोर इंजिनियरिंग/आर एंड डी सेक्टर, 25 फीसदी फाइनेंस/एनालिटिक्स/कंसल्टिंग सेक्टर्स और 32 फीसदी आईटी सेक्टर से है। इस साल 50 से ज्यादा स्टार्टअप कंपनियां भी हिस्सा लेने जा रही हैं।

56 फीसदी बढ़ी प्री-प्लेसमेंट ऑफर्स

साथ ही इस बार प्री-प्लेसमेंट ऑफर्स में भी 56 फीसदी बढ़ोतरी दर्ज की गई है। इस साल अब तक आईआईटी मद्रास के छात्रों को 114 प्री-प्लेसमेंट ऑफर्स मिल चुके हैं जबकि पिछले साल 73 पीपीओ ही मिले थे। आईआईटी मद्रास में ट्रेनिंग और प्लेसमेंट के सलाहकार मनु संतानम ने बताया, छात्रों और स्टाफ की हमारी टीम ने कैंपस तक रिक्रूटर्स को बड़ी संख्या में आकर्षित करने के लिए कड़ी मेहनत की है और इस प्लेसमेंट सीजन से काफी उम्मीदें हैं। हमारे यहां पीपीओ में बड़ी उछाल आई है और इसे देखते हुए हम उम्मीद करते हैं कि यह सफलता प्लेसमेंट में भी परिवर्तित होगी। इधर, आईआईटी मद्रास में स्टार्ट अप का क्रेज बढ़ता जा रहा है।

अब तक 1100 विद्यार्थियों ने प्लेसमेंट के लिए रजिस्ट्रेशन कराए

मद्रास आईआईटी में इस साल अब तक 1100 छात्रों ने प्लेसमेंट के लिए रजिस्ट्रेशन कराया है। संस्थान को भरोसा है कि इस संख्या में अभी और वृद्धि होगी क्योंकि रिसर्च के कई ऐसे छात्र हैं जिन्होंने अपना शोध पूरा कर लिया है। ये छात्र शोध में अपनी उपलब्धि हासिल कर अब रोजगार के लिए तैयार हो रहे हैं।

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आईआईटी मद्रास में प्लेसमेंट के लिए पहली बार आ रही एप्पल

इस साल आईआईटी मद्रास के प्लेसमेंट ड्राइव में ऐपल और यूनीक आइडेंटिफिकेशन अथॉरिटी ऑफ इंडिया (यूआईडीएआई) जैसी कंपनी पहली बार भाग लेने के लिए कैंपस आ रही है। आईआईटी मद्रास में प्लेसमेंट की प्रक्रिया 1 दिसंबर से शुरू होगी। आईआईटी-मद्रास में प्लेसमेंट ड्राइव के लिए जितनी कंपनियां रजिस्टर्ड हैं, उनमें से करीब 15 फीसदी कंपनियां पहली बार इसमें हिस्सा लेंगी।

पहली बार प्लेसमेंट ड्राइव में भाग लेने वाली कंपनियों में यूबीएस एजी, नैसडैक स्टॉक मार्केट, अल्वारेज एंड मारसल इंडिया प्राइवेट लिमिटेड, कंटी गार्डन, हैलमा इंडिया प्राइवेट लिमिटेड, रुबरिक एंड सेकीसुई केमिकल शामिल हैं। प्लेसमेंट में परंपरागत रूप से हिस्सा लेने वाली कंपनियां जैसे माइक्रोसॉफ्ट, सैमसंग आर एंड डी, गोल्डमन सैचिस, ईटन, शलमबरजे, महिंद्रा, इंटेल्, बजाज, ईएक्सएल, सिटी, लार्सन एंड टूब्रो भी भर्ती अभियान में शामिल होंगी।

270 कंपनियां अब तक रजिस्टर्ड

इस साल कैंपस प्लेसमेंट के लिए इंस्टिट्यूट में आने वाली कंपनियों की संख्या में बड़ी उछाल आई है। पिछले साल 400 जॉब प्रोफाइल के लिए 250 कंपनियों ने रजिस्ट्रेशन करवाया था जबकि इस साल कुल 270 कंपनियां अब तक रजिस्टर्ड हैं। इन कंपनियों में से करीब 43 फीसदी कोर इंजिनियरिंग/आर एंड डी सेक्टर, 25 फीसदी फाइनेंस/एनालिटिक्स/कंसल्टिंग सेक्टर और 32 फीसदी आईटी सेक्टर से है। इस साल 50 से ज्यादा स्टार्टअप भी हिस्सा लेंगी। इस साल संस्थान में ज्यादा से ज्यादा जॉब ऑफर मिलने की उम्मीद है।

56 फीसदी बढ़ी प्री-प्लेसमेंट ऑफर्स

साथ ही इस बार प्री-प्लेसमेंट ऑफर्स में भी 56 फीसदी बढ़ोतरी दर्ज की गई है। इस साल अब तक आईआईटी मद्रास के छात्रों को 114 प्री-प्लेसमेंट ऑफर्स मिल चुके हैं जबकि पिछले साल 73 पीपीओ ही मिले थे। आईआईटी मद्रास में ट्रेनिंग और प्लेसमेंट के सलाहकार मनु संतानम ने बताया, छात्रों और स्टाफ की हमारी टीम ने कैंपस तक रिक्रूटर्स को बड़ी संख्या में आकर्षित करने के लिए कड़ी मेहनत की है और इस प्लेसमेंट सीजन से काफी उम्मीदें हैं। हमारे यहां पीपीओ में बड़ी उछाल आई है और इसे देखते हुए हम उम्मीद करते हैं कि यह सफलता प्लेसमेंट में भी परिवर्तित होगी। इधर, आईआईटी मद्रास में स्टार्ट अप का क्रेज बढ़ता जा रहा है। अब तक यहां से 140 स्टार्ट अप निकल चुके हैं।

अब तक 1100 विद्यार्थियों ने प्लेसमेंट के लिए रजिस्ट्रेशन कराए

मद्रास आईआईटी में इस साल अब तक 1100 विद्यार्थियों ने प्लेसमेंट के लिए रजिस्ट्रेशन करा लिया है। संस्थान को भरोसा है कि इस संख्या में अभी और वृद्धि होगी क्योंकि रिसर्च के कई ऐसे छात्र हैं जिन्होंने अपना शोध पूरा कर लिया है। ये छात्र शोध में अपनी उपलब्धि हासिल कर अब रोजगार के लिए तैयार हो रहे हैं। संस्थान के मुताबिक 35 विद्यार्थियों ने प्लेसमेंट में अपना रजिस्ट्रेशन नहीं कराने का फैसला लिया है। ये विद्यार्थी या तो स्टार्ट अप की शुरुआत करेंगे या आगे उच्च शिक्षा के लिए आवेदन करेंगे।

Date: 29th November 2017

Publication: The Economic Times

Edition: Hyderabad/Bangalore/Kolkata/Kochi/Ahmedabad/Delhi

Page no.: 8

Journalist: Prachi Verma

Professor: Prof. Manu Santhanam

Headline: Early Placement Window at IITs a Hit among PSUs

Early Placement Window at IITs a Hit among PSUs

State-run cos offer ₹12-20 lakh salary, much more than last year's average

Prachi.Verma@timesgroup.com

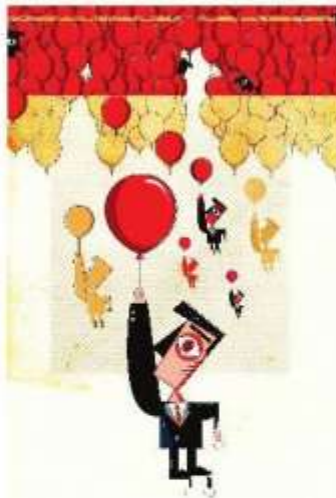
New Delhi: There is a PSU rush at IITs, public sector units and other state-run organisations have responded enthusiastically to invitations from Indian Institutes of Technology (IITs) to visit their campuses ahead of private companies this placement season.

The Indian Space Research Organisation (ISRO), Oil & Natural Gas Corp, Bharat Petroleum and several other government establishments have already picked up a number of students, with even the brightest at the nation's most prestigious engineering institutions vying for offers to work in some core sectors and on high-end research.

Until last year, public sector units were among the last to visit IITs for campus hiring, reaching as late as February by when the top talent would have already gone. This year, IITs opened a hiring window exclusively for government organisations in November, ahead of the regular placement season that starts in December. A source at an IIT said the government had pushed for allotting an early slot to PSUs.

The result so far has surprised everyone. Placement officials said they expected top performers — students with high cumulative grade points average (CGPA) — to give a miss to government jobs and wait for multinationals and new-age companies that are known to make jaw-dropping offers to the best talent.

But that wasn't to be, as they queued up for offers from government-run organisations. These companies and institutions, which have often been at the receiving end for their failure to attract top talent with their stingy wages, didn't disappoint this time. At



high as 8 and 9, who generally vie for early slots, battling out for offers from ISRO and ONGC." Debashis Deb, chairman of career development centre at IIT-Kharagpur, told ET.

So far, ONGC and ISRO recruited five and eight students, respectively, from IIT-Kharagpur. The National Fisheries Development Board is likely to visit the campus this week.

Deb said the institute would send out invitations even earlier to PSUs next year, so as to give them time to get board approvals on recruitments.

ISRO was the top recruiter elsewhere as well. At IIT-Kanpur, the space research agency hired another 3 students. Indian Oil Corp is scheduled to visit the campus on November 30,

CREAMY LAYER

Isro, ONGC and Bharat Petroleum are among govt cos that have already picked up many students

while Bharat Petroleum Corporation, too, is likely to visit the college.

Previously, by the time the PSUs visited the IITs, most students already had an offer in hand. Once a student accepted an offer, he or she cannot participate in another campus hiring programme. The government wanted IITs to give students an option to join state-run organisations, the IIT source told ET. The topic was discussed at a meeting held two months ago between officials of the human resources development ministry and IITs, this person added.

"PSUs are part of the government and IITs are government-funded. We should contribute back to the community," said Syam Nair, chairman of the placement office at IIT-Kanpur. He said the decision to invite PSUs early was made unanimously by IITs.

Nair said students were lining for government jobs as they also get opportunities to work on research and development. Once students accept an offer, they are no longer part of the placement process.

IIT-Madras has had ISRO visiting earlier this month and is now awaiting BPCL. "Other than job security, the PSUs or government bodies offer an equally competitive salary that includes benefits and perks that have gone up over the years," said Manu Santhanam, placement director at IIT-Madras, explaining the attraction of students to government jobs.

IIT Madras is a multi-cultural campus

Date: 3rd November 2017

Publication: The Times of India

Edition: Chennai

Page no.: 5

Journalist: NA

Headline: IIT-M celebrates international day

IIT-M celebrates international day:
Indian Institute of Technology Madras celebrated the Sixth Edition of the International Day at the campus on Thursday. The event is held to celebrate the presence of students from other countries studying at the institute.

Date: 3rd November 2017

Publication: The Times of India

Edition: Online

Journalist: Vinayashree J

Professor: Prof. R. Nagarajan

Headline: IIT-Madras celebrates presence of students from other countries on the campus

URL: <https://timesofindia.indiatimes.com/city/chennai/iit-madras-celebrates-presence-of-students-from-other-countries-on-the-campus/articleshow/61471602.cms>

IIT-Madras celebrates presence of students from other countries on the campus

CHENNAI: Recognising the variety of cultures of different countries on its campus, Indian Institute of Technology- Madras celebrated the sixth edition of the International Day on Thursday.

The event is held to celebrate the presence of students from other countries studying at the institute.

At any given time, the institute has around 100 international students through exchange programmes. This number has grown by 50% over the past three years.

Nearly 70 percent of them come from Europe, with Germany being the single largest source, followed by France.

IIT-Madras is also seeing an increase in students from Australia and from Asian countries such as Japan, Taiwan and Korea. Department of Management Studies receives the maximum number of students, said institute officials.

Speaking about the International Day, Prof. R. Nagarajan, dean, International and Alumni Relations, IIT-Madras, said, "Over the past six years, International Day has become a fixture on campus. The cooking demos and cultural performances by our International Students have served as an icebreaker and brought them much closer to the campus community."

Further, Nagarajan said word gets back to their home institutions abroad and creates a positive buzz that leads to more exchange students coming to IIT-Madras.

"I'm sure this 'virtuous cycle' will significantly enhance IIT-Madras' internationalisation efforts," he said.

From cooking and Kuchipudi dance to German volksfest dance, a Portuguese musical performance, a Fashion Show, a Silenced Poetry and Traditional Japanese Dance, the celebrations featured a melange of cultural events. Stalls were erected for the international students to showcase their native cuisines.

"An experience to remember" is how Robert Kirchner, an exchange student from Curtin University in Western Australia described the festival. "I made some Anzac biscuits in this festival and they were a popular hit. I am looking forward to what lies ahead and find other experiences to remember," he said.

The celebrations were organised by the Office of International and Alumni Relations and Ipals. It also included several games for the campus community and exchange students.

Date: 6th November 2017

Publication: DT Next

Edition: Chennai

Page no.: 4

Professor: Prof. R. Nagarajan

Alumni/students: Robert Kirchner & Johanna Moser

Headline: Foreign Students at IIT-Madras get a taste of local culture

URL: <http://www.dtnext.in/News/City/2017/11/06100933/1051175/Foreign-students-at-IIT-Madras-get-a-taste-of-local-vpf?Tid=112132>

Foreign students at IIT Madras get a taste of local culture

CHENNAI: IIT Madras is known for meeting of great minds. However, recently, it was a coming together of different cuisines. From the famed French dish ratatouille to the ever-popular pancakes with caramel, pumpkin soup and a variety of continental fare greeted visitors at the International Day, held to celebrate the presence of students from other countries on its campus.

The aim was exchange of knowledge on culture, cuisine and art, among other things.

From cooking and Indian Kuchipudi to German Volksfest dance, a Portuguese musical performance, a fashion show, poetry and traditional Japanese dance,



International students seen setting up food stalls

the celebrated featured a melange of cultural events. Students shook a leg or two to peppy Bollywood numbers as well. Robert Kirchner, an exchange student from Curtin University, Western Australia studying B.Tech./M.Tech., Department of Civil Engineering, IIT Madras, says, "Meeting many different people, different cultures, different surrounds, different teaching, it's been great. The people are so

kind and offer help. I made some Anzac biscuits in this festival and they were a popular hit. I am looking forward to what lies ahead and find other experiences to remember."

At any given time, there are around 100 international students on campus, through exchange programmes. Close to 70 per cent are from Germany, followed by France. Commenting on the event, Johanna Moser, a Business

Administration Student from Passau, Germany, pursuing her second year in Management Studies, says, "Meeting so many new people and getting exposed to the new culture in India has been a great experience." Prof. R. Nagarajan, Dean, International and Alumni Relations, IIT Madras, says, "Over the past 6 years, International Day has become a fixture on campus. The cooking demos and cultural performances by our International Students have served as an icebreaker and brought them much closer to the campus community."

The celebrations were organised by the Office of International and Alumni Relations and Ipals. It also included several games for the campus community and exchange students.

Date: 15th November 2017

Publication: The Times of India- Chennai Times

Edition: Chennai

Page no.: 4

Journalist: Purnima Sah

Alumni/student: Marie-Sophie Hohner

Headline: I miss 'local' food the most when away from Chennai

Praveen Thyagarajan

Marie-Sophie Hohner

I miss 'local' food the most when away from Chennai

For Marie-Sophie Hohner from Germany this is her second stint in Chennai. Now, she's here in the city for her master thesis at the Department of Management Studies, IIT Madras. "Last year, I was here for my MBA course work," she begins as she sits down for a quick chat with us, telling us about her life in Chennai. She seems to be an avid traveller as well, considering the number of places she has visited in and around Tamil Nadu. "Last time, I visited places like Puducherry, Kerala, Goa, Mysore, Bengaluru, Hampi, etc. This time, my trips are restricted to weekends and therefore, I take only short-distance trips to places like Mahabalipuram and Kanchipuram," she shares.

Like many other foreigners, what she loves most about India is its diversity. "There's diversity in everything like food, culture, etc. Here, the culture is so different from ours. But I am in complete fascination of Indian culture," she says and adds, "Food is something which I missed the most when I went back to Germany after my first stint in Chennai. Chai is a must for me every day. The way they prepare tea in nearby shops — pouring it from a tumbler to a glass from a considerable height — is something that has really awed me. Another good thing here is that there are many options for vegetarians as well. I love everything Indian like naan, paneer, masala dosa, parotta, etc."

Marie says that she feels at home in Chennai because of the way she is treated by the locals in the city. She says, "Here, you talk to anyone with a smile on your face, you are sure to get a cordial reply. Also, it's pleasantly surprising how you're invited home for a meal and the way you're treated." Meanwhile, she says that the difference in work culture here was a tad difficult for her in the beginning. "Back in Germany, you have to be bang on time for everything. Here, things are slightly different. But now I've learned to take things the way it is here and be more relaxed and flexible (laughs)."

— Purnima.Sah@timesgroup.com

ACROSS THE GLOBE

IN CHENNAI, YOU TALK TO ANYONE WITH A SMILE ON YOUR FACE, YOU ARE SURE TO GET A CORDIAL REPLY. ALSO, IT'S PLEASANTLY SURPRISING HOW YOU'RE INVITED HOME FOR A MEAL AND THE WAY YOU'RE TREATED

Date: 29th November 2017

Publication: The Times of India- Chennai Times

Edition: Chennai

Page no.: 2

Journalist: Purnima Sah

Professor: Prof. R Nagarajan

Alumni/student: Robert Kirchner & Johanna Moser

Headline: Bringing a potpourri of culture to IIT-M campus

Bringing a potpourri of culture to IIT-M campus

IIT Madras is one of those premier institutes in the country with a large community of international students. So, when the institute observed a day as the International Day earlier this month, to celebrate the presence of students from different parts of the globe, it was organised in a grand manner. Foreign students put up a variety of cultural programmes, ranging from German Volkstanz dance and Portuguese music to even Kochupadi and Bollywood dance performances. Giving others on campus a taste of different cuisines across the globe, they also set up food stalls, serving local eats from their native places.

Recollecting memorable moments from the event, Robert Kirchner, a student who has come on exchange programme from Curtin University in Western Australia, says, "It felt really great to meet people belonging to different cultures during the event. For the food fare, I liked some Anzac biscuits, which are quite popular in Australia." Echoing similar

thoughts, another student, Johanna Moser from Germany says, "This was a perfect chance for us to get exposed to the local culture and traditions. I felt really good being a part of the event."

Speaking about the International Day, Prof. R Nagarajan, Dean (International and Alumni Relations), IIT-M, says, "This has become a regular affair in the last six years. It serves as an icebreaker and brings international students

closer to others in the IIT-Madras community."

— Purnima.Sah@timesgroup.com



**IIT Madras is an industry friendly
Institute**

Date: 2nd November 2017

Publication: The Times of India

Edition: Chennai

Page no.: 2

Journalist: NA

Headline: IIT-M signs MoU with German firm, university

IIT-M signs MoU with German firm, university

Indian Institute of Technology, Madras, has signed a tripartite Agreement with Maschinenfabrik Reinhausen, a leading German high-voltage technology firm and RWTH Aachen, a German University, for carrying out research in power engineering and to support research in sustainability, electrical grids and related fields. Under the agreement, Maschinenfabrik Reinhausen will be sponsoring a research project that will deal with the use of latest semi-conductor devices for grid control.

Date: 2nd November 2017

Publication: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi & Prof. B.S. Murty

Headline: IIT Madras signs Research MoU with German Firm and University

URL: <http://skilloutlook.com/education/iit-madras-signs-research-mou-german-firm-university>

IIT Madras signs Research MoU with German Firm and University



Chennai: Indian Institute of Technology (IIT) Madras has signed a tripartite agreement with Maschinenfabrik Reinhausen, a leading German High Voltage Technology firm and RWTH Aachen, a German University for carrying out Research in Power Engineering and to support Research in Sustainability, Electrical Grids and related fields.

Under this Agreement, an MoU was signed by the German company and IITM for a second research project on Wednesday (1st November 2017) on the occasion of the inauguration of the New Premises of the Indo-German Centre for Sustainability (ICGS) at IIT Madras.

Under the MoU, Maschinefabrik Reinhausen will be sponsoring a research project that will deal with the use of latest power semi-conductor devices for grid control.

The ICGS was established at IIT Madras to promote cooperation between German and Indian scientists on fundamental and applied research, teaching and training besides in dissemination of information in

the area of sustainable development. The New Premises is located at the Bhupat and Jyoti Mehta School of Biosciences, IIT Madras.

It was inaugurated by Mr Achim Fabig, Honourable Consul General of the Federal Republic of Germany in Chennai in the presence of Prof. Bhaskar Ramamurthi, Director, IIT Madras, and Prof Ernst Schmachtenberg Rector, RWTH Aachen University. The inaugural session was also attended by Dr. Akhilesh Gupta, Scientist G and Head SPLICE-Climate Change Programme, Department of Science and Technology (DST), Government of India and Ms. Heike Mock, Director, DAAD, Regional Office, New Delhi.

Speaking during the inaugural function, Mr. Achim Fabig said, "Questions of sustainability have become more and more pressing and important. The role of civil society has become even more important and centres like IGCS have a stronger role to play by coming up with solutions to the challenges being faced. I wish much success to this Centre and hope to see it brimming with activities led by students and researchers."

The IGCS provides opportunities for researchers and students to work in the core areas: Sustainable Energy, Land-Use, Waste and Water management and Climate Change Adapatation. The new premises will provide more space for interactions, Visiting Faculty and Staff. On this occasion, the IGCS also held a one-day symposium on sustainability with eminent speakers from India and Germany.

According to Prof. Bhaskar Ramamurthi, "It is good to have a proper physical space where people can brainstorm on issues of importance. The IGCS is poised to focus on additional aspects of sustainability, which are beyond the agenda of the Govt. The major focus area, of the Centre, for next five years will be issues of sustainability, survival, coastal area resilience and so on. The Centre has a wonderful future ahead and I hope it is able to come up with good work which is both useful and meaningful for both the Countries."

The ICGS was set up in 2010 with funding from both Germany, through the German Academic Exchange Program, DAAD, for exchange of scholars, and India through the Department of Science and Technology, Government of India) and IIT Madras for carrying out research. Its special focus is the protection of the environment considering water resources, energy, land use and rural development and waste management.

Centre Coordinator of IGCS, Prof. B.S. Murty said, "This is an important step forward to intensify the activities under the Centre, which will now include Climate Change Adaptation as well related to coastal infrastructure. The new office spaces will lead to increased cooperation between Germany and India within the framework of the IGCS and participation of long term research Professors in the programme."

The Centre promotes the development of relevant ideas on and solutions to specific local issues, through interdisciplinary research and study projects in the above mentioned areas. The IGCS additionally contributes to the intensification of Indo-German cooperation in key academic fields through Summer and Winter schools for students and workshops and seminars on topics of relevance. The Centre also publishes a bimonthly Bulletin.

Prof Rafiq Azzam, Centre Coordinator from RWTH Aachen, Germany, said “IGCS has attracted the attention not only of scientists and scientific organisations but also of the politicians of both countries for its extraordinary research. We can continue to strive to reach our mission and develop IGCS to a global Centre of Excellence for sustainability research.”

Date: 2nd November 2017
Publication: Chennai Patrika
Edition: Online
Journalist: NA

Professor: Prof. Bhaskar Ramamurthi & Prof. B.S. Murty

Headline: IIT Madras signs Research MoU with German Firm and University

URL: <http://news.chennai.patrika.com/post/2017/11/01/IIT-Madras-signs-Research-MoU-with-German-Firm-and-University.aspx>

IIT Madras signs Research MoU with German Firm and University

Chennai, 1st November 2017: Indian Institute of Technology Madras has signed a tripartite Agreement with Maschinenfabrik Reinhausen, a leading German High Voltage Technology firm and RWTH Aachen, a German University for carrying out Research in Power Engineering and to support Research in Sustainability, Electrical Grids and related fields.

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Date: 2nd November 2017

Publication: Biometric Update

Edition: Online

Journalist: Justin Lee

Professor: Prof. Gaurav Raina

Headline: Mobile Payment Forum of India to intro voice authentication

URL: <http://www.biometricupdate.com/201711/mobile-payment-forum-of-india-to-intro-voice-authentication>

Mobile Payment Forum of India to intro voice authentication

November 1, 2017 - The Mobile Payment Forum of India (MPFI), a think tank, is looking to introduce several new user-friendly features such as voice biometrics authentication, according to a report by The Economic Times.

As part of a joint initiative of the Institute for Development and Research in Banking Technology, Hyderabad and Rural Technology Business Incubator, IIT Madras, the think tank strives “to enable mobile payments and financial services through secure, efficient and low-cost transactions.”

MPFI helped develop interoperability and security standards for Immediate Payment Service (IMPS), the basic platform for mobile payments, which would later be used to establish Unified Payments Interface (UPI).

“MPFI will focus on futuristic solutions such as voice-based authentication and security and privacy, among others,” Gaurav Raina, MPFI chairman and a professor at Indian Institute of Technology, Madras (IIT-M), said.

The solutions-oriented think tank — whose stakeholders include policy makers, banks and telcos — was looking at issues related to policy, business and technology over short, medium and long-term horizons, Raina said.

Raina said it would also focus on other issues, including raising user awareness, simplifying message formats for SMS banking, proximity payments and Near Field Communication (tap and pay) in the coming months.

He said MPFI was working towards the standardization of message formats for SMS banking across banks.

“Not everyone has a smartphone,” he said. “Connectivity could be patchy although it is getting better.. SMS as a channel for at least basic financial services should be promoted and needs standardization.”

Raina said that a single mastercode could be used across banks for account balance purposes.

Over the coming years, MPFI will focus on developing various features such as voice-based authentication, which aims to make the authentication process easier for more people.

Raina said there were over 90 million financial transactions using IMPS and UPI in August 2017 alone, and as many as 500 million transactions using IMPS in FY 2016-17.

“These massive growth numbers are but a small indication of the tremendous potential for mobile payments in the Indian economy,” he said.

Date: 3rd November 2017

Publication: The India Saga

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: IIT-Madras Ties Up With German University For Research

URL: <http://theindiasaga.com/saga-corner/iit-madras-ties-up-with-german-university-for-research>

IIT-Madras Ties Up With German University For Research

Madras : The Indian Institute of Technology Madras has signed an agreement with Maschinenfabrik Reinhausen, a German High Voltage Technology firm and RWTH Aachen, a German University for carrying out research in Power Engineering and to support research in sustainability, electrical grids and related fields.

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Speaking during the inaugural function, Mr Achim Fabig said “Questions of sustainability have become more and more pressing and important. The role of civil society has become even more important and centres like IGCS have a stronger role to play by coming up with solutions to the challenges being faced.”

The IGCS provides opportunities for researchers and students to work in the core areas: Sustainable Energy, Land-Use, Waste and Water management and Climate Change Adapatation. The new premises will provide more space for interactions, visiting faculty and staff.

According to Prof Bhaskar Ramamurthi:“It is good to have a proper physical space where people can brainstorm on issues of importance. The IGCS is poised to focus on additional aspects of sustainability, which are beyond the agenda of the Govt. The major focus area, of the Centre, for next five years will be issues of sustainability, survival, coastal area resilience and so on.”

The ICGS was set up in 2010 with funding from both Germany, through the German Academic Exchange Program, DAAD, for exchange of scholars, and India through the Department of Science and Technology, Government of India) and IIT Madras for carrying out research. Its special focus is the protection of the environment considering water resources, energy, land use and rural development and waste management.

The Centre promotes the development of relevant ideas on and solutions to specific local issues, through interdisciplinary research and study projects in the above mentioned areas.



Those were the days

IT'S no exaggeration to say that nine out of ten people are nostalgic about the time they spent in school or college. They tend to call them "the best days of their lives."

That's not to say that their current situation is bad, far from it. It just shows that it were those days that laid down the foundation for future successes, when life was young, carefree and ready to be embraced with passion.

Nothing embodies this infatuation like the country's Indian Institute of Technology (IIT). The best and brightest who have graduated from here and gone on to head blue chip companies not just in India but around the globe, have a feeling for those days and keep coming back to their alma mater by way of financial assistance that come in all shapes and sizes.

Vinod Khosla, general partner at Kleiner Perkins Caufield and Byers and co-founder of Sun Microsystems, announced a \$5 million donation to his alma mater, IIT Delhi. The gift is the largest by any individual to IIT, Delhi. 'Fundamental research is needed to dramatically improve information technology,' said Khosla in an interview at the IIT 50th anniversary celebrations.

The fund will go towards building a new IT school with new buildings, new faculty, and a new course, he pointed out.

Or the celebrated chief of Infosys and India's IT wizard Nandan Nilekani, who has contributed \$2.25 million for the new hostels on the IIT-Bombay campus.

Designed by well-known Mumbai architect, Hafeez Contractor, the 1,000-capacity hostel is the state-of-the-art.

Each hostel will have three buildings of seven floors connected by two sky-bridges. The hostels will house a computer room, television lounges, indoor sports facilities and a gymnasium.

Avi Nash, advisory director, Goldman Sachs, too announced a \$1 million donation to the chemical engineering department at IIT Bombay for research laboratories, endowments for chair

professorships and awards for faculty and student excellence.

Other IIT alumni who have given back generously to their alma mater include N R Narayana Murthy, chairman, Infosys Technologies, Vinod Gupta, chairman, InfoUSA, Rajesh Mashruwala, COO, Tibco Software, Sahas Patil, chairman emeritus, Cirrus Logic, Arjun Malhotra, CEO, TechSpan, Purnendu Chatterjee, founder, Chatterjee Group, Desh Deshpande, chairman, Sycamore, Prabhu Goel, chairman, iPolicy Networks, Girish Gaitonde, CEO, Xoriant and Umang Gupta, CEO, Keynote Systems.

One of the biggest among them, Vinod Gupta, donated a seed fund of \$2 million to IIT Kharagpur and helped establish the Vinod Gupta School of Management (VGSOM).

Vinod donated about \$10 million to establish a high school and a nursing school at his native village Ramgur Maniharan near Saharanpur in Uttar Pradesh. He also donated \$1 million for a women's polytechnic in his village.

Vinod Dham, the father of Pentium, has agreed to fund a startup he came across at IIT Kharagpur. A group comprising students, an IIT alumnus and a professor will develop a personalised search engine.

IIT KHARAGPUR

RITESH MUKHERJEE
Kolkata

IN 2015, the CNN came up with stunning figures. It revealed that US universities raised \$40.30 billion in funding that year alone, a quarter of which came as financial aid from their alumni.

Needless to say, Ivy League universities Stanford topped with \$1.63 billion followed by Harvard with \$1.65 billion.

Happily, this infectious trend is manifesting itself in India at — where else — but this country's very own Ivy League, the Indian Institute of Technologies (IITs).

India's best and brightest, who as students once thronged the corridors, messes and playgrounds of IITs, the potential and technical whizzes, feel an obligation to give back something to where they once belonged. At present, there are 16 IITs in India, 10 of which were set up after 2004.

Some illustrious alumni of IIT Kharagpur, popularly known as IIT-KGP also the oldest in India, have all along been extra-ordinarily generous with their wallets to ensure that their alma mater grows and prospers.

The current generation of students, faculty and other stakeholders get the best of globally benchmarked facilities and amenities, which they may have missed out on during their stint with IIT-KGP.

It is a spirit best reflected in Vinod Gupta, a US-based entrepreneur, philanthropist and an IIT Kharagpur alumnus, who says: "I do what I think will benefit IIT Kharagpur, its faculty and students. Over the last 25 years, I have spent over \$20 million for the benefit of IIT Kharagpur, and I am not done yet." Good for IIT-KGP!

Gupta, who graduated in 1967 with a B.Tech. degree in Agricultural and Food Engineering, seed funded the first management school (Vinod Gupta School of Management) and the only law school (School of Intellectual Property Law) of the IIT system, both put in place at

BONDING with the best



“I do what I think will benefit IIT Kharagpur, its faculty and students. Over the last 25 years, I have spent over \$20 million dollars for the benefit of IIT Kharagpur...and I am not done yet.”

—VINOD GUPTA, US-BASED ENTREPRENEUR IS AN IIT KHARAGPUR ALUMNUS

IIT Kharagpur in 1993 and 2006, respectively.

His inspiration — as can be expected — came from the United States. “When I

saw that most CEOs had engineering backgrounds and many engineering schools in USA had business schools, that was the trigger

that prompted me; my IIT must have business schools. Also when I found that intellectual property development is integral part of engi-

neering background, that meant understanding IP law is essential, henceforth the Law school at IIT,” explains Gupta.

Shri Gopal Rajgaria, managing director of Odent Abrasives and another alumnus of IIT-KGP echoes similar sentiments.

“Proud to pay a humble tribute to my alma mater! Your mission in life is not complete unless you are a worthy human being and pay back in one way or the other to society,” says Rajgaria, who after acquiring his chemical engineering degree from IIT-KGP did his

post-graduate studies at the Massachusetts Institute of Technology (MIT).

The list of generous donors from among IIT-KGP alumni is a distinguished one. An official spokesperson of IIT-KGP lays it out, obviously with pleasure.

“We are proud to have illustrious alumni who keep on donating the betterment of their alma mater every now and then. Like Vinod Gupta and Shri Gopal Rajgaria, Arjun Malhotra has also been donating quite often. He has donated for School of Telecommunica-



Units and the Eminent Centre for Students' Innovation (\$1 million), P K Saha has given donations for the Bio-Economy School, Amarendra Mishra and Devendra Mishra have given funds for the Engineering Entrepreneurship Centre, Sarma Singh Bedhi (along with MP government) funded nearly \$1 million for what we call the 'Happiness Centre', Suler Chivvithury has come forward with his donations for School of Quality & Reliability (\$1 million) and Ravinder Singh Gupta has donated for Infrastructure Design & Management centre (\$1 million)."



Google CEO Sundar Pichai, an IIT Kharagpur alumnus, during an interactive session at his alma mater last year

Besides, the academi- There are crowd sourced funds from IIT alumni, batch endowments corpus, which are used for hostel renovation, classroom renovation and modernisation and students wellness initiatives. We do regular outreach programmes — online and offline. In the second week of January, every year, we hold this alumni meet and then there are regional alumni meets across eight cities. The IIT-KGP foundation has its chapters in the US and UK. These are very active. We are going to have similar active chapters in UAE, Singapore and Australia. There is a dedicated portal in stay connected with our alumni. The institute also gives two special awards to its alumni — one for outstanding achievement in professional life (career) and another for exemplary contribution to society and the institute."

Such is their love for their

alma mater that apart from the institution doing its bit to raise funds from them, it is often they who come forward and donate generously, without even being asked.

Clearly, they are driven by something else — a truly noble idea. Says Vinod Gupta, "Alumni play a very important part in development of their alma mater. We see it. We are the beneficiaries of Indian higher education, we must give it back."

The best part is there are no full stops here. Gupta, for one, has already started working on two more schools at the IIT-KGP campus, which he is going to fund. "The next two schools, I would like to see at the campus: School of Media Technology and School of Healthcare Management," he says.

Likewise Ajay Malhotra, the high profile co-founder of HCL, CEO and chairman of Hyderabad, a global IT-based Financial Services company, who has donated for an institute and other

campus professions like the IIT-KGP's 50th anniversary, all of which amount to well over Rs 40 crore. He is now working with IIT to start and fund a Centre for International Arts. "My friend and faculty member, Kiran Sethi of SPMC-MACAY, had talked to me about this and I am working with him and IIT to plan this and get it funded," says Malhotra.

Winner of the Silicon Valley Entrepreneur

Award and recipient of the Albert Einstein Technology Medal, he has been involved with IIT Kharagpur from the time he graduated.

"IITs, like most universities around the world, tend to be slow in moving towards industry trends. I felt that the silicon revolution was going to come to India and IIT-KGP had a good fire communication group in electronics and electrical communica-

tion department (which is what I did there) and so I decided to donate money to start a school in communications and name it after my esteemed professor. I think that has worked out well. The second thought came from the fact that today engineers are graduating with mainly theoretical knowledge and have done little or no work with their hands. The Innovation Centre is to encourage students to make things with their hands and it give me the opportunity to honour another Professor by naming it after him," says Malhotra.

He adds, "Alumni are involved in many areas that are cutting edge in technology in India and abroad. We need to encourage them to come share their experiences with the IIT folks and see how they can leverage this knowledge and expertise." Well, where there is an alumni's will, there is a way.

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IIT-MADRAS



SANGEETHA G
Chennai

The equally famous Indian Institute of Technology Madras of IIT-M, is another of the famed institutions in this network, which has been receiving funds from its alumni for more than two decades. By 2020, IIT Madras is working towards building up Rs 1,000 crore endowment fund from the contributions of its alumni.

Building a large unrestricted endowment for the institute, whereby the leadership for maximum impact can deploy annual returns, remains this IIT's 'holy grail'.

Says R Nagarajan, dean of International and Alumni Relations, IIT Madras: "We have a 2020 goal of Rs 500 crore with a stretch target of Rs 1,000 crore and we are about a third of the way there. With dedicated alumni volunteers lending their time and energy, and professional staff to take the activities forward on a full-time basis, we are poised for unprecedented growth on this front."

In order to achieve this target, the institute has re-

cently constituted a separate forum in North America to steer fund-raising from the region.

Till recently, funds were coming through IIT Madras Alumni of North America, which used to account for 70 per cent of the alumni funding.

However, in 2016-17, it went down to 30 per cent. This happened not due to drop in the quantum of funds from the US, but because the contribution from India-based donors went up.

Nagarajan expects the US contribution to go up to 40 per cent in the coming years. "The new organisation has just started operating. In the next two to three years, it will start contributing to the alumni fund," he says.

While Indian funds would make up for another 10 per cent, countries other than US will have a share of 20 per cent.

An alumni organisation for this has been formed in Canada with the support of Prem Wasse, former CEO of Toronto-based Fairfax Financial Holdings, one of IIT Madras's best-known sons and alumni of the institute.

In order to bring in funds from the L.K. IIT Madras has signed a MoU with a

Endowment raj



pan-III organisation in that country. It has also initiated discussions to form a similar organisation for the European Union (EU).

According to Nagarajan, funding from alumni started only in 2008. The institute started systematic efforts to bring in funds from 2009. In 2015, IIT-M had a full-time development office for fund-raising initiatives and currently has 10 per cent of its alumni base of over 7,000 donors contributing to the development of the institute.

Since 2009, IIT-M has received over Rs 200 crore of funding, but the interest-



“In India, we spend about 0.9 per cent of GDP on research. Of this, 0.6 per cent is from government and 0.3 per cent is from private funding. We need to increase the overall funding for research to 2 per cent at least. Of this, industry must contribute half.”

— KRIS GOPALAKRISHNAN, INFOSYS CO-FOUNDER AND IIT-MADRAS OLD BOY

ing thing is that yearly funding has grown from Rs 6 crore to Rs 55 crore in the past five years. All these years, alumni funding has been touching new highs.

“The government of India funding meets our needs, contributions and fulfils our aspirations,” explains Nagarajan.

For example, the nation

less for all financially needy undergraduates who are admitted to IIT Madras are taken care of by a combination of government funding and alumni grants.

Awards to recognise excellence in various spheres, travel grants to enable participation in international workshops and competition, infrastructure on campus such as the Centre for Innovation are well served by the generous alumni community, he adds.

High profile Kris Gopalakrishnan, co-founder of Infosys and a former student of IIT-M, finds that premier technology institutes require support from alumni and industry.

“In India, we spend

about 0.9 per cent of GDP on research. Of this, 0.6 per cent is from government and 0.3 per cent is from private funding. We need to increase the overall funding

for research to 2 per cent at least. Of this industry must contribute half,” he points out, quite candidly.

In the US, alumni and philanthropic funding of research is very large. Many institutions like Stanford, MIT and Harvard get significant private support, adds Gopalakrishnan.

Yearly funding at IIT Madras has grown from Rs 6 crore to Rs 55 crore in the past five years



Known better by his first name Kris, he was one of the pioneers in funding the institute and a key person involved in the funding initiatives. Kris has supported various initiatives, including three recent chair professorships and the Gopabandhan Deshpande Centre. He would have contributed approximately its 35 crore to his alma mater.

IIT Madras could become a part of the collaborative Human Brain projects to the U.S. and the Europe after setting up Centre for Computational Brain Research (CCBR), which was funded by Kris Gopabandhan.

Says Vellayan Subbiah, managing director of Tuhr Investments of India and a 1990 batch student of the

institute: "The education and experience at IIT have been formative in defining me as a person and have helped me grow. The least I can do is give back to ensure that the institution helps others grow."

Subbiah has made considerable contribution to Madras IIT's Innovation and Entrepreneurship Fund.

According to Nagarajan, funding has both push and pull factors. Sometimes the institute identifies a need - it could be finding a research area and getting faculty to take up the project. The push can come from the alumni themselves when they identify a requirement

and fund it. The institute receives two types of funding. Endowment funding is the preferred mode of funding, which remains the corpus as unattached principal and uses the interest portion for funding several initiatives.

In project-based funding, the entire money is used up for its completion.

In India, corporate funding happens largely as part of corporate social responsibility (CSR) initiatives.

Alumni working with some of the companies have been instrumental in getting funding from those organisations.

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IIT Madras receives two types of funding - endowment and project-based

IIT-BOMBAY



Back to basics

RAVI RANJAN PRASAD
Mumbai

IIT Bombay, regarded as a premium institution even among Indian IITs, will be celebrating 60 years of its existence in 2018. It is the second oldest, among the IITs, preceded only by Kharagpur.

Yet, thanks to its alumni, it has kept pace with changing times. Their generosity - literally money paid for the study by a disciple to his teacher - has

helped the alma mater meet rising expenses of a modern educational institution.

These include basic physical and research infrastructure, accommodation for a large number of students on the campus, meeting their tuition and mess fee and hostel accommodation, along with money needed for employee welfare. Considering that many students now come from poor backgrounds, financial assistance becomes an imperative.

IIT Bombay was founded

in 1958. In 1961, the Parliament decreed IITs as institutions of national importance.

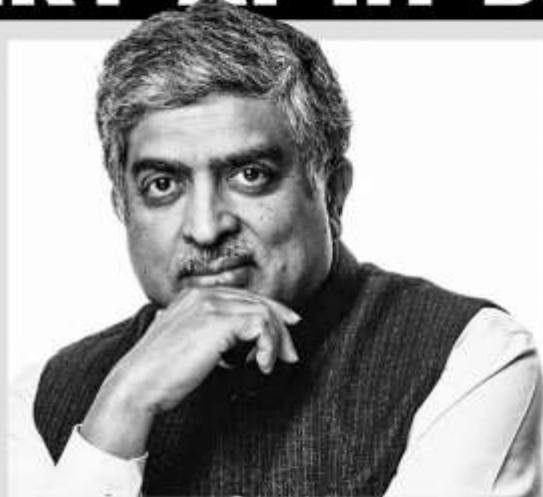
Its lovely green campus and well laid out roads are accentuated by its ultra-modern, new hostel wing developed from donations made by one of its most celebrated alumni - current Infosys chief Narayan Nilesan.

The hostels numbered E2, E3 and E4, all constructed between 2000 and 2010, each with a capacity of 500 students each, are eloquent



A GAWKY BOY WHO TURNED GEEKY AT IIT-B

Mini TEJASWI
Bangalore



ren number programme, Ashwin, as its chief architect and chairman of The Unique Identification Authority of India or UIDAI. His encounter with the Indian politics came much later when he contested a parliamentary election on a Congress ticket from Bangalore in 2014.

When he left IIT-Bombay, he had Rs 200 in his pocket, a portfolio that went into the famous kitty of Rs 10,000 the total amount spent in setting up Infosys as a start-up.

Today Nilekani and his wife Rohini have wealth to the tune of Rs 7,700 crore, though the couple say almost 80 per cent of this wealth remains in Infosys shares, where he still owns 1.45 per cent and Rohini 1.3 per cent.

The biggest thing money has brought, in Nilekani's own words, is the freedom to do what I want. And what I want, is to give millions, the opportunities I had.

Nilekanis have been famous for giving. They donated almost Rs 400 crore of their wealth to various causes and charities since 1999.

Philanthropy is a pet subject for the couple. Rohini works in the social sector and the couple's focus is on areas like water, governance and education.

Nilekani's success has greatly benefited his alma mater, IIT-Bombay. He donated \$2.6 million to IIT-B to build a new hostel wing. So far he has donated \$5 million each to IIT-Bombay (2002) and Yale University (2008) and \$4.50 crore to the Indian Institute for Human Settlements in 2011.

Over the last 15 years, IIT Bombay alumni from across the world have contributed an estimated Rs 200 crore to their alma mater and Nilekani's has been the largest single donation.

"I am proud of the fact that my wealth is completely transparent. I haven't made any of my money illegally, or had it in investments outside the country. Nothing is hidden in someone else's bank account. It is all completely transparent and tax-paid," Nilekani said earlier on the transparent way he and his family handle funds.

The Annual donation to IIT Bombay is now in the range Rs 15 crore. Over 40 per cent of the funds donated have gone to infrastructural projects, which include the Kamal Jehli School of IT, Shalish Mehra School of Management, Gaitonde Lecture Hall Complex, D S Foundation Gymkhana, Victor Menzies Convention Centre, Shrey Innovation Studio.

Suman Mashruwala, Advanced Micro-Microengineering Lab, PC Saxena Auditorium, Lecture Hall Complex and Hostel Renovation.

Alumni donations also support over 100 different scholarships, seven Research Excellence awards, 14 Teaching Excellence Awards, five Student Merit Excellence Awards and seven Chair Professorships supported by alumni donations.

Other activities supported by alumni include The Young Faculty Awards programme that offered joining honours to 86 new faculty in the last three years.

The recently set up the Decennial Celebrations Fund of IIT Bombay was aimed at encouraging smaller donations from alumni across the world. It works on the premise that if 50 per cent of IIT Bombay's 60,000 strong alumni choose to donate a mere Rs 10,000 to their alma mater, IIT Bombay would have access to an additional Rs 20 crore at their disposal.

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The robotics team of IIT Bombay

testimony to the former students giving back to their alma mater.

It helps fresh IIT Bombay entrants to a cool place to hone on their skills and develop themselves as world class technicians and engineers sought after by the world's best companies like Airbus, Google, Goldman Sachs and Microsoft who come to recruit at their campus.

Currently there are two IIT Bombay alumni associations that are funding the all round need of a growing ultra modern campus that is located near the picturesque Powai Lake.

IIT Bombay Heritage Foundation is the USA-based chapter of Bombay IIT. Along with it is the IIT Bombay Alumni Association, dedicated towards strengthening the link between IIT Bombay and its former students all across the globe.

The official at IIT Bombay Alumni Association Office, though is very astute when it comes to contributions



from their top alumni. His reason? Former students want to keep it confidential.

The mission of the IIT Bombay Heritage Foundation, the US chapter, is to fund and promote education and research among students of IIT Bombay.

To achieve these, it provides financial assistance on a regular basis from contributions made by the alumni. The IIT Bombay

Heritage Foundation and IIT Bombay Alumni Association are working closely to strengthen and grow the global network of IIT Bombay alumni.

The objective of these initiatives is to bring IIT Bombay faculty members, alumni and industry leaders together in assisting the institute realise its vision of becoming one of the world's leading research and teaching universities.

Generous donations, bequests, gifts, and grants received from the alumni, chapters, benefactors, corporations and trusts are used in education and research. The fund generated are used for purchase of equipment, research and putting in place reference and research facilities, construction and renovation of research and education fa-

ilities, acquisition of real estate to help the campus grow to meet future requirements and establishment of endowments that IIT Bombay may use for its future growth and maintenance.

Thanks to generous contributions of alumni in the US and India, about 250 additional scholarships have been established at IIT Bombay. There is need for scholarships, which covers tuition and living expenses.

The director of IIT Bombay recently estimated a requirement for 1,000 scholarships for under graduate students.

The annual report of IIT Bombay Heritage Foundation for 2015 mentions a grant of \$17,34,612 (about Rs 11.27 crore) from January 2015 to October 2015.

It had a total contribution of \$15,30,608 (Rs 10.01 crore) in 2015 with total assets of \$61,70,178 (Rs 40.10 crore) as on December 2014.

New initiatives are being taken to raise more funds like the Legacy Project through which old students believe, they can make a difference. The silver jubilee reunion organised each

year in this context is an emotional coming back of students studying at IIT Bombay 25 years ago and the legacy they would like to leave behind, says an official at the Dean-Alumni and Corporate Relations.

Each December, the silver jubilee reunion batch comes together to make a meaningful contribution to its alma mater.

'Last year, the silver jubilee batch of 1991 raised Rs 7 crore,' says the official.

This year, the finances of the silver jubilee reunion from December 22 to December 24 is for the class of 1992.

The legacy project includes four key areas: Students' experience - student wellness, scholarships and development fund; Faculty - Young Faculty Awards, Retired Faculty Wellness Fund; Campus: Institute History Archival and Entrepreneurship & Innovation; Student Creativity. Not for nothing has this IIT attracted the best of the best.

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IIT-DELHI



PRABHUKANTA MISHRA

Delhi

In May this year, Saurabh Mittal, one of the co-founders of the India Bulls Group, pledged to donate Rs 10 crore to his alma mater, the Indian Institute of Technology Delhi or IIT-D.

The donation by Mittal, a 1995 batch B.Tech degree holder in electrical engineering from the institute, made headlines as the money was big. His grant was recent to construct a sports complex on the campus, in which an equal amount would be spent by IIT-D.

Over the last 15 years, IIT Delhi alumni from across the world have contributed or committed an estimated Rs 200 crore for their alma mater and continue to do so, for which the institution has been devising innovative campaigns.

Very recently, a commit-

ment by another alumnae, Ramesh Kapur for Rs 2.10 crore, went unnoticed, mainly because it was not as big compared to Mittal.

But the cause for which Kapur has donated is much bigger and pretty much the need of the hour in any IIT

—to help the needy pay their annual fee, which has gone up substantially in recent years.

Says Sanjeev Sanghi, Dean (Alumni Affairs) at IIT Delhi: "We have found at least 200 students who need scholarship to fund

their education as the annual income of their parents is between Rs 5 lakh and Rs 10 lakh."

The idea behind launching this scholarship is to assist those who deserve and to boost a culture, which can be developed by roping

in the alumni, he explains.

Fund collection by IITs was started about 10 years ago, an appeal to the students who have graduated to 'give back' to their alma mater.

Sanghi said IIT-D had raised Rs 40 lakh in two

years during 2014-15 and 2015-16. But with the launch of a separate portal in December 2016, the institute has managed to get commitments worth Rs 18 crore.

The campaign for "Scholarships for Meritori-

IDEA OF donorship

ous Students' allows a contribution of either Rs 4 lakh or Rs 20 lakh with the goal set for Rs 2 crore.

If some one donates Rs four lakh, the scholarship will run for four years and the student will be able to cover half of the fees through it. It will run for perpetuity as the interest accrued on the principal amount when the donation is Rs 20 lakh.

Kapur has donated Rs 60 lakh for three scholarships while Chetan Vohra has contributed Rs 20 lakh for one student. The annual fee in IIT is Rs 2 lakh for student whose parents' annual income is more than Rs 5 lakh. There is no fee for students with a family income of less than Rs 1 lakh.

Ramesh Kapur, president of Kapur & Associates Inc., a construction consultancy business firm, migrated to the United States in 1988 after graduating from IIT Delhi.

He told *Financial Chronicle* through an email interview that the students who graduated from American universities carry a deep sense of pride in their alma mater.

He narrated his own story, which inspired him to give back his former institute. "I came to IIT-D from a family with very limited resources. IIT-D graciously awarded me with a four-year renewable scholarship that was based on both merit and financial need. The money that I received from that scholarship I deposited in the SBBI at IIT-D. Unbeknownst to my parents, I was funding my own travel costs to the US after graduation. I knew that they would financially not be able to send me abroad to continue my education and therefore I seized the opportunity to use my scholarship award for these expenses. With my degree from IIT-D and a plane ticket, I landed in the United States in August of 1968 with \$6.00 in my pocket, and a scholarship to Marquette University. I was undeniably short on cash, but I had a goal and the hard work habits I had developed at



Vinod Khosla, general partner at Kleiner Perkins Cuzfield and Byers and co-founder of Sun Microsystems, announced a \$5 million donation to his alma mater, IIT Delhi



IIT-D to help me become the man I am today."

Kapur, like others, says that many universities in the US have very strong alumni programmes.

A dedicated outreach programme communicates communication with graduates. The positive officers are twofold. The alumni are kept informed of their classmates, university needs and specific fundraising efforts. Later, when a graduate is

financially able to share the rewards of a successful career, they can turn around and donate back to the university.

"With the help from my brother," remembers Kapur, "I decided to contact IIT-Delhi and share with them the details of my desire to start an endowment for three scholarships. From my father, I learned the value of education at a very young age. He instilled in me the belief that a good education and hard work will help you achieve anything you desire."

The three scholarships in

the endowment are named as — Ramesh & Charita Kapur (his wife), Manohar Lal & Indravati Kapur (parents) and Bihari Lal & Lajwanti Bhatta (in laws).

"My dreams of giving back are not yet fully realised. These scholarships in place have inspired me to do even more. I am planning to visit IIT-Delhi on my 50th reunion and discuss additional contributions. It is my hope that my donations will inspire others to give as well," points out Kapur.

Says Chetan Vohra, managing director at Citigroup Global Markets in

"With my degree from IIT-D and a plane ticket, I landed in the United States in August of 1968 with \$6.00 in my pocket, and a scholarship to Marquette University. I was undeniably short on cash, but I had a goal and the hard work habits I had developed at IIT-D to help me become the man I am today"

— RAMESH KAPUR, PRESIDENT, KAPUR & ASSOCIATES, IS FORMERLY FROM IIT DELHI

"We grew up in a middle class background. My family and I always believed that education had the potential to change one's life. IIT changed my life forever. It launched me and gave me incredible brand recognition in the US. One thing I realised in the US is how widely and how willingly alumni contribute to their alma mater, no matter how big or small the college"

— CHETAN VOHRA, MD, CITIGROUP GLOBAL MARKETS, AND IIT DELHI ALUMNUS

who graduated in 2002.

He goes on: "We grew up in a middle class background. My family and I always believed that education had the potential to change one's life. IIT changed my life forever. It launched me and gave me incredible brand recognition in the US. One thing I realised in the US is how widely and how willingly alumni contribute to their alma mater, no matter how big or small the college. Many of these institutions have large endowments too."

"I hope more awareness can be raised so that a culture of giving back to the universities can start in India as well," he adds.

Dean Sanghi remains optimistic. He explains that unlike other institutions, IIT-D would accept an amount, even if small. The culture of giving back is more important and they are trying to develop this among the students so that they also contribute after passing out from IIT, he adds.

Some of the big names who take pride in their alma mater, IIT-D include Sachin Bansal, Punita Kumar-Sinha, Jayant Sinha, Avinash Chander, Anil Ghosh, Raghuram Rajan, Padmasree Warrior, Maninder Singh Banga, Hari S Rhotaria, Vijay Thadani, VC Deveshwar and Vinod Khosla. As they should.

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IIT Delhi would accept an amount even if small. The culture of giving back is more important!

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Headline: Shipping ministry to have Centre of Excellence at IIT Chennai

URL: http://www.business-standard.com/article/pti-stories/shipping-ministry-to-have-centre-of-excellence-at-iit-chennai-117110701346_1.html

Shipping ministry to have Centre of Excellence at IIT Chennai

Union government will help IIT Chennai for creating a Centre of Excellence which will troubleshoot various issues that arise during the current spate of development of ports and rivers.

Union minister for Road Transport and Highways, Shipping and Water Resources, Nitin Gadkari today announced the appointment IIT Chennai for creating Centre of Excellence.

The minister was in Goa to chair the meeting to review various developmental works undertaken by his ministry.

The minister recalled that IIT Chennai had assisted the ministry during its work to have alternate channel at Haldia port saving Rs 200-250 crore annually.

"We had a channel at Haldia port where we used to spend annually Rs 4,500 crore for dredging annually. Then we decided that we can as well have alternate channel which will save us Rs 200-250 crore annually.

"We gave this work to Chennai IIT who worked on this project with the help of a foreign construction company," the minister said.

After this experience, he said the ministry has decided to establish centre of excellence in IIT Chennai for providing technical support.

"We have converted 111 rivers into inland waterways where we have began the work like dredging. During this entire process we find some issues which are related to marine engineering. IIT Chennai will provide solution for these problems may they be in the ocean, rivers or ports," he said.

The minister announced that the union government will give a grant to the tune of Rs 75 to Rs 100 crore to IIT Chennai to set up Centre of Excellence.

"As a part of this centre, IIT Chennai will also study the existing projects and work out the maintenance and schedules for dredging and other activities resulting in cost cutting," he said.

Stating about the decisions taken during the review meeting, Gadkari said the ministry has decided that each port will have its own business development team.

"For the first time the private sectors were participating in the meeting. India is the fastest growing economy. It has been decided that each of the port will have business development team which will work for increasing profits of the port by working with cargo and also tourism sectors," the minister added.

The meeting also decided to have focus on creating Liquid Cargo Handling facility.

"We have been importing petroleum products and also edible oil. We are proposing dry ports for it. In Maharashtra itself there will be four dry ports at Aurangabad, Vidarbha, Nashik and Sangli," he added.

The minister said on lines with the 34 logistic parks planned by the National Highway Authority, we have also decided to have similar parks in the ports.

These parks will be planned at Chennai, Paradeep and Vizag.

Date: 8th November 2017

Publication: UNI

Edition: Online

Journalist: NA

Headline: Union Shipping Ministry will fund Centre of excellence at IIT Chennai: Gadkari

URL: <http://www.uniindia.com/union-shipping-ministry-will-fund-centre-of-excellence-at-iit-chennai-gadkari/other/news/1039828.html>

Union Shipping Ministry will fund Centre of excellence at IIT Chennai: Gadkari

Panaji, Nov 7 (UNI) Union Minister for Road Transport & Highways Nitin Gadkari on Tuesday said the Centre will fund a centre of excellence at Indian Institute of Technology (IIT) Chennai for study, maintenance and dredging requirement for all ports, suggest cost-cutting measures as well as trouble-shoot marine-engineering issues related to seas and rivers in the country.

Speaking to reporters at resort in South Goa, he said, "We have decided that a centre of excellence will be established in Indian Institute of Technology Chennai, for which IIT Chennai will provide land, for providing technical support."

Mr Gadkari, who was in the state to review projects, said the department would give a grant Rs 75 crore to Rs 100 crore for creating the centre of excellence.

"IIT Chennai will study, maintenance and dredging requirement for all ports, cost cutting," he said.

He said mandate of the centre for excellence would also be to study and advise on marine engineering-related matters to the ministry.

Date: 8th November 2017

Publication: India Today

Edition: Online

Journalist: NA

Headline: Shipping ministry to have Centre of Excellence at IIT Chennai

URL: <http://indiatoday.intoday.in/story/shipping-ministry-to-have-centre-of-excellence-at-iit-chennai/1/1084449.html>

Shipping ministry to have Centre of Excellence at IIT Chennai

Panaji, Nov 7 (PTI) Union government will help IIT Chennai for creating a Centre of Excellence which will troubleshoot various issues that arise during the current spate of development of ports and rivers.

Union minister for Road Transport and Highways, Shipping and Water Resources, Nitin Gadkari today announced the appointment IIT Chennai for creating Centre of Excellence.

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The minister said on lines with the 34 logistic parks planned by the National Highway Authority, we have also decided to have similar parks in the ports.

These parks will be planned at Chennai, Paradeep and Vizag. PTI RPS RMT

Date: 8th November 2017
Publication: The Hans India
Edition: Hyderabad
Page no.: 14
Journalist: NA

Headline: Shipping ministry's Centre of Excellence at IIT Chennai

URL: <http://www.thehansindia.com/posts/index/International/2017-11-07/Shipping-ministrys-Centre-of-Excellence-at-IIT-Chennai/338142>

Shipping ministry's Centre of Excellence at IIT Chennai

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Date: 10th November 2017

Publication: The Hindu

Edition: Chennai

Page no.: 4

Journalist: NA

Professor: Prof. R. P. Sundarraj & R. K. Amit

Headline: IIT-M launches executive MBA degree course

URL: <http://www.thehindu.com/news/cities/chennai/iit-m-launches-executive-mba-degree-programme/article20070454.ece>

IIT-M launches executive MBA degree course

SPECIAL CORRESPONDENT
CHENNAI

The Indian Institute of Technology-Madras has launched a two-year executive MBA degree programme for mid-career professionals.

The course aims to offer state-of-the-art knowledge in sync with current industry requirements in digital economy, future manufacturing, and global strategy. Faculty coordinators R. P. Sundarraj and R. K. Amit said the EMBA programme draws strength from the high-impact research and teaching of the faculty of the management studies department.

Classes, set to begin in January 2018, would be held on alternate weekends. Candidates with a first class degree in any discipline in under-graduation and a minimum of three years of industry experience are eligible to apply. The candidates would be selected through an entrance examination and a personal interview.

Applications may be made online at <https://doms.iitm.ac.in/emba/>. Applications will be accepted till November 30, according to a release.

Date: 10th November 2017

Publication: Deccan Chronicle

Edition: Chennai

Page no.: 6

Journalist: NA

Professor: Prof. R. P. Sundarraj & R. K. Amit

Headline: IIT-Madras Launches Executive MBA Prog

URL: <http://www.deccanchronicle.com/nation/in-other-news/101117/iit-madras-launches-executive-mba-programme.html>

IIT-M LAUNCHES EXECUTIVE MBA PROG

DC CORRESPONDENT
CHENNAI, NOV. 9

Indian institute of technology Madras has launched a 2-year Executive MBA (EMBA) degree program for working professionals. Applications will be accepted till November 30.

The major aspects of the course includes, equipping mid-career working professionals with deep functional and broad industrial domain knowledge and leadership traits to contribute to a global business setup, IIT Madras said in a release.

"The program is designed for blended weekend learning and the classes would be held on alternate weekends. The classes will begin in January 2018.

" R. P. Sundarraj and R. K. Amit, faculty coordinators professors said.

First class bachelor's degree in any discipline, minimum three years of industry experience were set as eligibility criteria. Selection would be done through DoMS entrance examination and personal interview. Interested candidates can apply through IIT Madras website.

Date: 10th November 2017

Publication: The Times of India

Edition: Online

Journalist: Vinayashree J

Professor: Prof. R. P. Sundarraj & R. K. Amit

Headline: IIT-Madras launches executive MBA degree program

URL: <https://timesofindia.indiatimes.com/city/chennai/iit-madras-launches-executive-mba-degree-program/articleshow/61578308.cms>

IIT-Madras launches executive MBA degree program

CHENNAI: Department of Management Studies (DoMS) at IIT-Madras has launched a two-year executive MBA (EMBA) degree program for working professionals.

The aim of the program is to offer knowledge that is in sync with the current industry requirements in domains like digital economy, future manufacturing and global strategy.

The program is designed for blended weekend learning and the classes would be held on alternate weekends. The classes will begin in January 2018.

Institute officials said the major aspects of the course include equipping mid-career working professionals with three main aspects - functional and broad industrial domain knowledge, integrative perspective of boundary-spanning business decisions and leadership traits to contribute in a global business setup.

The eligibility criteria for admissions include a first class bachelor's degree in any discipline and minimum three years of industry experience. Selection will be made through DoMS entrance examination and personal interview.

The last date to apply is November 30, 2017. Interested candidates can apply online on <https://doms.iitm.ac.in/emba/>.

Speaking about the launch, faculty coordinator R P Sundarraj said, "With over 50 years of experience and expertise in imparting management education, exploring leading edge research and conducting specialised training, IIT-Madras is uniquely positioned and carved a niche for itself in the business and academic worlds."

R K Amit, another faculty coordinator, said, "The EMBA program draws its strength from the DoMS's faculty who have been involved in high impact research and teaching in the frontier areas of management."

Date: 10th November 2017

Publication: Dinamani

Edition: Chennai

Page: 3

Journalist: NA

Headline: IIT Madras launches MBA for working professionals

URL: <https://goo.gl/9MGPyD>

பணிபுரிபவர்களுக்கான எம்.பி.ஏ. படிப்பு: சென்னை ஐஐடி அறிமுகம்

சென்னை, நவ.9: பணியில் இருப்பவர்களுக்கான இரண்டு ஆண்டு எம்.பி.ஏ. படிப்பை சென்னை ஐஐடி அறிமுகம் செய்துள்ளது.

இது தொடர்பாக சென்னை ஐஐடி வெளியிட்ட செய்தி: பணியில் இருப்பவர்கள் சேர்ந்து படிக்கும் வகையில் இரண்டு ஆண்டுகள் எம்.பி.ஏ. படிப்பு அறிமுகம் செய்யப்பட்டுள்ளது.

தொழில்நிறுவனங்களின் இன்றைய தேவையைப் பூர்த்தி செய்யக் கூடிய வகையிலும் டிஜிட்டல் பொருளாதாரம் எதிர்கால உற்பத்தித் துறை எதிர்பார்ப்புகளைப் பூர்த்தி செய்யக் கூடிய வகையிலும் இந்த எம்.பி.ஏ. படிப்பு வழங்கப்பட உள்ளது.

வரும் ஜனவரி முதல் வகுப்புகள் தொடங்கப்படும். வார இறுதி நாட்களில் வகுப்புகள் நடத்தப்படும். இப்படிப்பில் சேர்க்கை பெறுவதற்கான விண்ணப்பத்தைச் சமர்ப்பிக்க நவ.30 கடைசி நாளாகும்.

சேர்க்கை பெற விரும்பும் மாணவர்கள் ஏதாவது ஒரு பட்டப் படிப்பில் முதல் வகுப்பில் தேர்ச்சி பெற்றிருப்பதோடு தொழில்நிறுவனத்தில் மூன்று ஆண்டுகள் பணி அனுபவமும் பெற்றிருக்க வேண்டும். நுழைவுத் தேர்வு மூலம் சேர்க்கை நடத்தப்படும்.

Date: 10th November 2017

Publication: Dinamalar

Edition: Chennai

Page No: 3

Journalist: Pratab

Professor: Prof. R. P. Sundarraj & R. K. Amit

Headline: IIT introduces MBA

URL: http://www.dinamalar.com/news_detail.asp?id=1893296

ஐ.ஐ.டி..யில் எம்.பி.ஏ., அறிமுகம்

சென்னை, நவ.10-
சென்னை ஐ.ஐ.டி.,
யில், தாம் உயர்த்தப்
பட்ட, எம்.பி.ஏ., படிப்பு,
புதிதாக துவங்கப்பட்டு
உள்ளது.

தேசிய உயர் கல்வி
தொழில்நுட்ப நிறுவன
மான, சென்னை
ஐ.ஐ.டி., யில்,
மேலாண்மை படிப்பு
கள் துறை சார்பில்,
தாம் உயர்த்தப்பட்ட
எம்.பி.ஏ., படிப்பாக,
'எக்ஸ்ப்ளூட்டிவ்' எம்.
பி.ஏ., படிப்பு, இந்த
ஆண்டு முதல் துவங்கப்
படுகிறது.

இதில் சேர், ஏதாவது
இளநிலை படிப்பில்,
முதல் வகுப்பில் தேர்ச்சி
பெற்றிருக்க வேண்டும்.
சென்னை ஐ.ஐ.டி.,
நடத்தும் நுழைவு தேர்
வில் தேர்ச்சி பெற
வேண்டும்.

தொழிற்சாலைகளில்,
மூன்று ஆண்டுகள்
அனுபவம் இருக்க
வேண்டும் என, அறி
விக்கப்பட்டு உள்ளது.
ஐண்டஸ்ட்ரீயில் வகுப்பு
கள் துவங்க உள்ளன.

'இதில் சேர், [https://
doms.iitm.ac.in/emba](https://doms.iitm.ac.in/emba)
என்ற இணையதளத்
தில், ஆன் - லைனில்
விண்ணப்பிக்கலாம்.
நவ., 30 வரை பதிவு
நடக்கும்' என, துறை
பேராசிரியர்கள், ஆர்.
கே.அமித் மற்றும்
ஆர்.பி.சுந்தரராஜ்
தெரிவித்துள்ளனர்.

Date: 10th November 2017

Publication: The Hindu- Tamil

Edition: Chennai

Page No: 2

Journalist: Lisbon Kumar

Headline: IIT Madras introduces Special MBA

URL: <http://tamil.thehindu.com/tamilnadu/article20088315.ece>

வேலை செய்பவர்களுக்கேற்ற
**சிறப்பு எம்பிஏ படிப்பு
சென்னை ஐஐடி அறிமுகம்**

■ சென்னை பணியில் உள்ளவர்கள் சளி, ஞாயிறு விடுமுறை நாட்களில் படிக்கும் வகையிலான சிறப்பு எம்பிஏ படிப்பை சென்னை ஐஐடி அறிமுகப்படுத்தியுள்ளது. இதற்கான நுழைவுத்தேர்வுக்கு வரும் 30-ம் தேதிக்குள் விண்ணப்பிக்க வேண்டும்.

இதனொடர்பாக சென்னை ஐஐடி தீர்வாகம் நேற்று வெளியிட்ட செய்திக்குறிப்பில் சுறுசுறுப்பாக குப்பதாவது:

பணியில் இருப்பவர்கள் படிக்க வசதியாக ஐஐடியின் தீர்வாகலியல் துறை 2 ஆண்டுகால சிறப்பு எம்பிஏ படிப்பை (Executive MBA) அறிமுகப்படுத்தியுள்ளது.

தற்போதைய தேவை, டிஜிட்டல் பொருளாதாரம், எதிர்கால உற்பத்தி, சர்வதேச உத்தி போன்றவற்றை எதிர்கொள்ளும் வகையில் இந்த புதிய எம்பிஏ படிப்பு இருக்கும்.

இதற்கான வகுப்புகள் ஒரு வாரம் விட்டு ஒரு வாரம், வார இறுதி நாட்களில் (அதாவது சனி, ஞாயிறு விடுமுறை நாட்களில்) நடைபெறும். சிறந்த, நீண்ட அனுபவம் வாய்ந்த பேராசிரியர்கள் வகுப்பு எடுப்பார்கள். அடுத்த ஆண்டு ஜனவரியில் வகுப்புகள் தொடங்கும்.

நவம்பர் 30 கடைசிநாள்

பட்டப் படிப்பில் முதல் வகுப்பில் தேர்ச்சி பெற்றவர்கள் இப்படிப்பில் சேரலாம். குறைந்த பட்சம் 3 ஆண்டுகள் பணி அனுபவம் அவசியம். நுழைவுத் தேர்வு, நேர்முகத்தேர்வு அடிப்படையில் மாணவர் சேர்க்கை நடைபெறும். தகுதியுள்ள பட்ட தாரிகள் நவம்பர் 30-ம் தேதிக்குள் ஆன்லைனில் (<https://doms.iitm.ac.in/emba>) விண்ணப்பிக்க வேண்டும். இவ்வாறு அதில் கூறப்பட்டுள்ளது.

Date: 10th November 2017

Publication: BL on Campus

Edition: Online

Journalist: NA

Professor: Prof. R. P. Sundarraj & R. K. Amit

Headline: IIT Madras launches Executive MBA Degree Programme

URL: <http://www.bloncampus.com/b-school-corner/iit-madras-launches-executive-mba-degree-programme/article9951019.ece>

IIT Madras launches Executive MBA Degree Programme



Applications for the two-year degree will be accepted till November 30

Department of Management Studies (DoMS), IIT Madras has launched a two-year Executive MBA (EMBA) Degree Programme for working professionals.

The major aspects of the course include equipping mid-career working professionals with the following:

1. Deep functional and broad industrial domain knowledge
2. Integrative perspective of boundary-spanning business decisions

3. Leadership traits to contribute in a global business setup

The USP of the EMBA programme is to offer state-of-the-art knowledge that is in sync with the current industry requirements in domains such as digital economy, future manufacturing, and global strategy.

Speaking about the launch, Faculty Coordinators Professors RP Sundarraj and RK Amit said, “With over 50 years of experience and expertise in imparting management education, exploring leading edge research and conducting specialised training, IIT Madras is uniquely positioned and carved a niche for itself in the business and academic worlds. DoMS, IIT Madras is one of the leading centres of management research and teaching in India. The EMBA programme draws its strength from the DoMS’ faculty who have been involved in high impact research and teaching in the frontier areas of management.”

The programme is designed for blended weekend learning and the classes would be held over alternate weekends. The classes will begin in January 2018.

Eligibility

- First class bachelor’s degree in any discipline
- Minimum three years of industry experience
- Selection through DoMS entrance examination and personal interview

Interested candidates can apply online. The last date to apply is November 30.

Date: 10th November 2017

Publication: Chennai Patrika

Edition: Online

Journalist: NA

Professor: Prof. R. P. Sundarraj & R. K. Amit

Headline: IIT Madras launches Executive MBA Degree Program

URL: <http://news.chennaipatrika.com/post/2017/11/09/IIT-Madras-launches-Executive-MBA-Degree-Program.aspx>

IIT Madras launches Executive MBA Degree Program

Chennai, 09 November 2017: Department of Management Studies (DoMS), IIT Madras has launched a two-year Executive MBA (EMBA) Degree Program for Working Professionals.

The major aspects of the course include equipping mid-career working professionals with the following:

1. Deep functional and broad industrial domain knowledge,
2. Integrative perspective of boundary-spanning business decisions, and
3. Leadership traits to contribute in a global business setup

The USP of the EMBA program is to offer state-of-the-art knowledge that is in sync with the current industry requirements in domains such as digital economy, future manufacturing, and global strategy.

Speaking about the launch, Faculty Coordinators Professors R P Sundarraj and R K Amit said "With over 50 years of experience and expertise in imparting management education, exploring leading edge research and conducting specialized training, IIT Madras is uniquely positioned and carved a niche for itself in the business and academic worlds. DoMS, IIT Madras is one of the leading centres of management research and teaching in India. The EMBA program draws its strength from the DoMS' faculty who have been involved in high impact research and teaching in the frontier areas of management."

The program is designed for blended weekend learning and the classes would be held over alternate weekends. The classes will begin in January 2018.

Eligibility for Admissions:

- * First Class Bachelor's Degree in any discipline
- * Minimum three years of Industry Experience
- * Selection through DoMS Entrance Examination and Personal Interview

Interested candidates can apply online: <https://doms.iitm.ac.in/emba/>The last date to apply is 30th November 2017.

Date: 10th November 2017

Publication: India Today

Edition: Online

Journalist: NA

Professor: Prof. R. P. Sundarraj & R. K. Amit

Headline: IIT Madras: Apply for executive MBA degree programme; eligibility and other details

URL: <http://indiatoday.intoday.in/education/story/iit-madras-mba/1/1086695.html>

IIT Madras: Apply for executive MBA degree programme; eligibility and other details

The admission process for Executive Master of Business Administration (EMBA) at Department of Management Studies (DoMS) has been started by the Indian Institute of Technology Madras (IIT Madras). The last date to apply for the same is November 30.

The admission process for Executive Master of Business Administration (EMBA) at Department of Management Studies (DoMS) has been started by the Indian Institute of Technology Madras (IIT Madras). The last date to apply for the same is November 30.

About the programme

It is a two-year degree programme aimed at providing mid-career working professionals with such a functional and integrative perspective and imbibing contemporary management knowledge to lead a modern business organisation.

Eligibility criteria

Educational qualification:

Interested candidates should be holding a first class Bachelor's degree in any discipline
Minimum three years of work experience is required

Selection procedure

Selection will be through a DoMS entrance exam and a personal interview will be held in December 2017 at IIT Madras. The entrance exam will comprise of multiple choice questions on quantitative aptitude, logical reasoning, and verbal ability. Results will be announced in December 2017 and the classes will commence in January 2018.

How to apply

Interested, eligible candidates are required to apply at the official website www.doms.iitm.ac.in/emba

As per TOI report, while speaking about the launch, faculty coordinator R P Sundarraj said, "With over 50 years of experience and expertise in imparting management education, exploring leading edge research

and conducting specialised training, IIT-Madras is uniquely positioned and carved a niche for itself in the business and academic worlds."

R K Amit, another faculty coordinator, said, "The EMBA program draws its strength from the DoMS's faculty who have been involved in high impact research and teaching in the frontier areas of management."

Date: 12th November 2017

Publication: Shiksha.com

Edition: Online

Journalist: Vipra Srivastava

Professor: Prof. R P Sundarraj

Headline: IIT Madras introduces 2-year Executive MBA programme; session begins in January 2018

URL: <https://www.shiksha.com/business-management-studies/articles/iit-madras-introduces-2-year-executive-mba-programme-session-begins-in-january-2018-blogId-1>

IIT Madras introduces 2-year Executive MBA programme; session begins in January 2018

The Indian Institute of Technology Madras has launched an Executive MBA programme from the upcoming session. The two-year course is designed for working professionals who are looking to further their career by acquiring latest management skills and training.

The aim of the programme is to train them for current and upcoming domains like digital economy, future manufacturing and global strategy.

The 24-month programme is designed for blended weekend learning, with classes on alternate weekends.

Speaking about the launch, faculty coordinator R P Sundarraj said, "With over 50 years of experience and expertise in imparting management education, exploring leading edge research and conducting specialised training, IIT-Madras is uniquely positioned and carved a niche for itself in the business and academic worlds."

The curriculum provides a three-pronged learning approach. Classes will be held on alternate weekends which will allow the candidate to maintain balance between work and studies; a flock of professionals from different fields in the class will help in widening professional network and project works will let them apply the knowledge learnt in the classroom to gain practical experience.

The programme includes 8 quarters and 30 courses on Functional Foundation, Integrative Perspective, Global Leadership and three Capstone projects.

Eligibility criteria for IIT-Madras EMBA is First class Bachelor's degree in any discipline from a recognized university or equivalent and minimum three years of work experience. Applicants will have to appear in a written test to be held in December 2017 followed by personal interview.

Application forms can be accessed online on the official website and the last date to apply in November 30, 2017. The classes will commence in January 2018.

Date: 12th November 2017

Publication: Eenadu

Edition: Online

Journalist: NA

Headline: A new MBA course will be introduced by IIT Madras

URL: <http://tamil.eenaduindia.com/Rainbow/CareerScope/2017/11/11171945/A-New-MBA-Course-will-be-introduced-by-Chennai-IIT.vpf>

வேலை செய்பவர்களுக்காக 2 ஆண்டு எம்பிஏ படிப்பு: சென்னை ஐஐடி அறிமுகம்

இது தொடர்பாக சென்னை ஐஐடி வெளியிட்ட செய்திக்குறிப்பில், பணியில் இருப்பவர்கள் சேர்ந்து படிக்கும் வகையில் இரண்டு ஆண்டுகள் எம்.பி.ஏ. படிப்பு அறிமுகம் செய்யப்பட்டுள்ளது.

தொழில் நிறுவனங்களின் இன்றைய தேவையைப் பூர்த்தி செய்யக் கூடிய வகையிலும் டிஜிட்டல் பொருளாதாரம் எதிர்கால உற்பத்தித் துறை எதிர்பார்ப்புகளைப் பூர்த்தி செய்யக் கூடிய வகையிலும் இந்த எம்.பி.ஏ. படிப்பு வழங்கப்பட உள்ளது.

வரும் ஜனவரி மாதம் முதல் வகுப்புகள் தொடங்கப்படும். வார இறுதி நாள்களில் வகுப்புகள் நடத்தப்படும்.

இப்படிப்பில் சேர்க்கை பெறுவதற்கான விண்ணப்பத்தைச் சமர்ப்பிக்க நவம்பர் 30 கடைசி நாளாகும்.

சேர்க்கை பெற விரும்பும் மாணவர்கள் ஏதாவது ஒரு பட்டப் படிப்பில் முதல் வகுப்பில் தேர்ச்சி பெற்றிருப்பதோடு தொழில்நிறுவனத்தில் மூன்று ஆண்டுகள் பணி அனுபவமும் பெற்றிருக்க வேண்டும். நுழைவுத் தேர்வு மூலம் சேர்க்கை நடத்தப்படும்.

இவ்வாறு அந்தச் செய்திக்குறிப்பில் கூறப்பட்டுள்ளது.

Date: 13th November 2017

Publication: The Indian Express

Edition: Online

Journalist: NA

Headline: IIT Madras executive MBA programme 2018: Admission portal open, apply before November 30

URL: <http://indianexpress.com/article/education/iit-madras-emba-programme-2018-admission-portal-open-apply-before-november-30-iitm-ac-in-4935139/>

IIT Madras executive MBA programme 2018: Admission portal open, apply before November 30

The Indian Institute of Technology (IIT) Madras has called for applications to the Executive Master of Business Administration (EMBA) course for the academic term beginning in 2018. Candidates who wish to apply for the same can do so from the official website (iitm.ac.in).

EMBA is a two-year degree programme which aims to provide mid-career working professionals with “a functional and integrative perspective and imbibing contemporary management knowledge to lead a modern business organisation”. The programme will be conducted in eight quarters and will include 30 courses with three capstone projects.

The programme fee is Rs 3 lakh per semester with the total amounting to Rs 12 lakh. The application fee is Rs 1000 and candidates must apply and submit the fee by 5.30 pm on November 30, 2017.

Eligibility:

- Candidates must have secured first division in their bachelor’s degree in any discipline.
- Candidates should have a minimum work experience of three years.

Selection procedure:

Candidates will be required to appear for an entrance examination and a personal interview which will be held in the month of December at IIT Madras this year. The entrance exam will include questions on quantitative aptitude, logical reasoning and verbal ability.

Steps to apply for IIT Madras EMBA programme 2018:

Step 1: Go to the official website for IIT Madras as mentioned above.

Step 2: Click on the notification that says “Admission Open for Executive MBA (EMBA) Program at DoMS, IIT Madras”.

Step 3: Click on the link for the admission portal.

Step 4: Read the instructions provided and click on “continue”.

Step 5: Register to the site and login.

Step 6: Fill in your details and submit your application.

Step 7: Save a copy of the application for further reference.

Date: 14th November 2017

Publication: The Hindu

Edition: Chennai

Page no.: 2

Journalist: NA

Professor: Prof. R. Nagarajan

Headline: 5 IIT-M students get scholarship

URL: <http://www.thehindu.com/todays-paper/tp-national/tp-tamilnadu/5-iit-m-students-get-scholarship/article20418494.ece>

5 IIT-M students get scholarship

SPECIAL CORRESPONDENT
CHENNAI

Five students from the Indian Institute of Technology - Madras will each receive ₹3 lakh annually to cover the entire course period of four years at the

institute. Himachal Futuristic Communications made the allocation as part of its CSR programme.

R. Nagarajan, dean of International and Alumni Relations, said the schol-

arships would enable the economically weaker but meritorious students pursue their dreams.

Further details are available at <https://joyofgiving.alumni.iitm.ac.in>

Date: 14th November 2017

Publication: Dinamani

Edition: Chennai

Page no.: 3

Journalist: NA

Headline: HFCL provides scholarship to five IIT Madras students

URL: <https://goo.gl/5W9b1e>

**சென்னை
ஐஐடி மாணவர்கள்
5 பேருக்கு
ஹெச்.எஃப்.சி.எல்.
நிறுவனம் நிதியுதவி**

சென்னை, நவ.13: பொருளாதாரத்தில் பின்தங்கிய சென்னை ஐஐடி மாணவர்கள் 5 பேருக்கு ஹிமாச்சல் தகவல் தொடர்பு தனியார் நிறுவனம் (ஹெச்.எஃப்.சி.எல்.) கல்வி உதவித் தொகை வழங்க முன்வந்துள்ளது.

இது தொடர்பாக சென்னை ஐஐடி வெளி விட்ட செய்தி: பொருளாதாரத்தில் பின்தங்கிய சென்னை ஐஐடி மாணவர்கள் 5 பேருக்கு ஆண்டுக்கு தலா ரூ. 3 லட்சம் வீதம், 4 ஆண்டுகளுக்கு ரூ. 60 லட்சம் கல்வி உதவித் தொகையை வழங்க ஹெச்.எஃப்.சி.எல். நிறுவனம் வழங்க முன்வந்துள்ளது.

இளநிலை பட்டப் படிப்புகளில் சிறந்து விளங்கும் மாணவர்களின் கல்வி, நிதிப் பற்றாக்குறையைத் தடைபட்டு விடக்கூடாது என்ற நோக்கத்தில், சென்னை ஐஐடி-முன்னாள் மாணவர் சங்கம் இதற்கான முயற்சியை மேற்கொண்டுள்ளது.

Date: 14th November 2017

Publication: Equity Bulls

Edition: Online

Journalist: NA

Headline: HFCL sponsors scholarship for Five IIT Madras Students

URL: http://www.equitybulls.com/admin/news2006/news_det.asp?id=217252

HFCL sponsors scholarship for Five IIT Madras Students

Himachal Futuristic Communications Limited (HFCL) is sponsoring a scholarship for five economically disadvantaged students of the Indian Institute of Technology Madras. Under the company's CSR programme, it is donating Rs. 3 lakh per year per student for five students for their entire four years of studies, aggregating to Rs. 60 lakh.

The Alumni Office of IIT Madras has the initiative to support the education of economically weaker students through scholarships. The objective was to provide merit-cum-means based scholarships to eligible undergraduate students.

Shares of HIMACHAL FUTURISTIC COMMUNICATIONS LTD. was last trading in BSE at Rs.28.45 as compared to the previous close of Rs. 28.6. The total number of shares traded during the day was 759361 in over 1209 trades.

The stock hit an intraday high of Rs. 29.3 and intraday low of 28.4. The net turnover during the day was Rs. 21749203.

Date: 14th November 2017

Publication: The Hindu Business Line

Edition: Online

Journalist: NA

Headline: Himachal Futuristic Communications Ltd. sponsors scholarship for Five IIT Madras Students

URL: <http://www.thehindubusinessline.com/companies/announcements/others/press-release-media-release/article9956324.ece>

Himachal Futuristic Communications Ltd. sponsors scholarship for Five IIT Madras Students

November 13, 2017:

Himachal Futuristic Communications Ltd. sponsors scholarship for Five IIT Madras Students

Chennai, 13th November 2017: Himachal Futuristic Communications Limited (HFCL) is sponsoring a scholarship for five economically disadvantaged students of the Indian Institute of Technology Madras. Under the companys CSR programme, it is donating Rs. 3 lakh per year per student for five students for their entire four years of studies, aggregating to Rs. 60 lakh.

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Date: 14th November 2017

Publication: Money Control

Edition: Online

Journalist: NA

Headline: Himachal Futuristic Communications Ltd. sponsors scholarship for Five IIT Madras Students

URL: http://www.moneycontrol.com/stocks/stock_market/corp_notices.php?pno=3&autono=9866341

Himachal Futuristic Communications Ltd. sponsors scholarship for Five IIT Madras Students

Himachal Futuristic Communications Ltd. sponsors scholarship for Five IIT Madras Students

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Date: 15th November 2017

Publication: News 18

Edition: Online

Journalist: NA

Headline: IIT Madras EMBA Admissions 2018, Apply Before 30th November 2017

URL: <http://www.news18.com/news/india/iit-madras-emba-admissions-2018-apply-before-30th-november-2017-1576375.html>

IIT Madras EMBA Admissions 2018, Apply Before 30th November 2017

IIT Madras EMBA Admissions 2018 are open for candidates who wish to pursue Executive Master of Business Administration - EMBA at the Department of Management Studies (DoMS), IIT, Madras. The Executive Master of Business Administration (EMBA) degree is a two-year programme that is aimed at upgrading the managerial skill-set of working professionals and executives.

The programme gives an extra edge to candidates for better employability and leadership. The Candidates interested in exploring EMBA from IIT Madras must apply online on or before 30th November 2017, 5:30PM.

EMBA IIT Madras Admissions 2018 Application Process

Visit the official webpage for IIT Madras EMBA – www.doms.iitm.ac.in/emba and follow the application process by creating a new user profile or logging in to your existing profile.

Application Fee

Candidates need to pay ₹1000 as an application fee to apply for IIT Madras Executive-MBA Admissions 2018.

Program Fee

The program fee for EMBA at IIT Madras is ₹12 Lakhs which is payable in four equal installments at the beginning of the semester.

Academic Qualification & Work Experience:

1. The candidates must possess a First Class Bachelor's Degree in any discipline from a recognized University or Institution
2. The candidates must have a work experience of minimum 3 years.

Selection Process:

The candidates must qualify the DoMS entrance exam to appear for a round of personal interview at IIT, Madras in December 2017. The result of the same is expected in December itself. The classes for Executive-MBA are scheduled to be commenced in January 2018.

Eligible and interested candidates can download the brochure of IIT Madras Executive-MBA Admissions 2018 from the link given below:

<https://doms.iitm.ac.in/emba/wp-content/uploads/2017/09/IIT-Brouchure-Small-Size.pdf>

Date: 15th November 2017

Publication: HT Campus

Edition: Online

Journalist: NA

Headline: IIT Madras launches 2 year Executive MBA programme; Apply before November 30

URL: <http://www.htcampus.com/article/iit-madras-launches-2-year-executive-mba-programme-apply-november-30/>

IIT Madras launches 2 year Executive MBA programme; Apply before November 30

Indian Institute of Technology (IIT) Madras has launched a two year Executive MBA programme. Mid-career working professionals who wish to study further and get the latest knowledge of management industry can apply for this programme. The aim of the programme is to provide them contemporary knowledge of the management field which is required to run a modern business organisation.

IIT Madras EMBA programme is designed for weekend learning and the classes would be held on alternate weekends. This will help the candidates to manage work and studies together. The programme will be constituted of eight quarters including 30 courses on Functional Foundation, Integrative Perspective, Global Leadership and three capstone projects.

IIT Madras Executive MBA Programme Admission

Who is eligible to apply for EMBA?

Candidates must hold the bachelor's degree in any discipline with first division.

Candidates should have a minimum work experience of three years.

How will the candidates be selected for IIT Madras EMBA Program?

Department of Management Studies (DoMS) will conduct an entrance exam and personal interview round in December 2017. This entrance test will comprise of multiple choice questions on Quantitative aptitude, Logical reasoning, and Verbal ability. The final result furnishing the names of selected candidates will be announced in December itself. The classes for EMBA IIT Madras Program will commence in January 2018.

IIT Madras Executive MBA Programme: Application Procedure

Interested candidates can apply for Executive MBA admission at IIT Madras from the official website, www.doms.iitm.ac.in/emba/ or they can access the direct link given here below. The application form to register for this course is available in online mode only. Application fee of Rs. 1000 will be required to be paid for submitting the form. The deadline to register for IIT Madras Executive Program is November 30, 2017 till 05.30 PM. Candidates must ensure that they submit the application form and fee before the deadline. Candidates applying within the prescribed timeline would be considered for the selection process.

Quick Steps to Register for EMBA IIT Madras Program

Visit the official website of IIT Madras or click on the link given above.

Click on the notification given in quick link section – 'Admission Open for Executive MBA (EMBA) Programme at DoMS, IIT Madras.

Click on the tab for the application portal.

Register yourself using a valid email id and mobile number
Login to fill the application form.
Fill in the required details in the form.
Submit the application and save a copy for future reference.

Applicants must fill the information correctly as the candidate will be responsible for any wrong information. No changes will be made once the application form is submitted. Misinterpretation or providing wrong information can lead to the rejection of application at any stage of application procedure. Therefore, candidates must be careful while filling the form.

Date: 15th November 2017

Publication: India Today

Edition: Online

Journalist: NA

Headline: IIT Madras Executive MBA programme 2018: Apply now

URL: <http://indiatoday.intoday.in/education/story/iit-madras-executive-mba-programme-2018/1/1089016.html>

IIT Madras Executive MBA programme 2018: Apply now

The Indian Institute of Technology (IIT) Madras has invited applications for admission to the Executive Master of Business Administration (EMBA) course for the academic session 2018.

Interested candidates can apply through the official website, the link for which is iitm.ac.in

Educational qualification:

Candidates should have obtained a Bachelor's degree in any discipline from a recognised university or institute. They should also have an experience of three years.

Selection procedure:

The selection procedure comprises:

Entrance examination

Personal interview

The exam will consist of questions based on quantitative aptitude, logical reasoning and verbal ability.

How to apply:

In order to apply through the official website, candidates can check out the steps given below:

Go to the official website

Click on the link, "Admission Open for Executive MBA (EMBA) Program at DoMS, IIT Madras"

Thereafter, click on the link for the admission portal

Enter the information as required

Submit the same. The registration procedure will be completed

Take a printout for future reference

Important date:

Last date to apply: November 30

Date: 15th November 2017

Publication: Amar Ujala

Edition: Online

Journalist: Apoorva Rai

Headline: IIT Madras began registration for EMBA 2018

URL: <http://www.amarujala.com/education/career-plus/iit-madras-invites-for-executive-mba-programme-apply-before-november-30>

IIT मद्रास ने EMBA 2018 के लिए शुरू किया रजिस्ट्रेशन , ऐसे करें आवेदन

IIT मद्रास ने EMBA 2018 के अकादमिक सेशन के लिए आवेदन आमंत्रित किए हैं। एडमिशन के लिए जो भी उम्मीदवार आवेदन करना चाहते हैं, वे आधिकारिक वेबसाइट iitm.ac.in पर जाकर आवेदन कर सकते हैं। EMBA दो साल का डिग्री प्रोग्राम है जिसका लक्ष्य एक कार्यात्मक और एकीकृत परिप्रेक्ष्य में एक आधुनिक व्यापार संगठन का नेतृत्व करने के लिए समकालीन प्रबंधन का ज्ञान विकसित करना है। इस कोर्स को 8 भागों में विभाजित किया जाएगा जिसमें कुल 30 पाठ्यक्रम शामिल होंगे। एक सेमेस्टर की फीस 3 लाख होगी वहीं पूरे कोर्स की फीस 12 लाख रखी गई है। आवेदन के इच्छुक उम्मीदवार को 30 नवंबर 2017 से पहले आवेदन करना होगा। आवेदन फीस 1000 रुपये रखी गई है।

IIT मद्रास ईएमबीए प्रोग्राम 2018 के लिए ऐसे करें आवेदन

IIT मद्रास की आधिकारिक वेबसाइट पर जाएं।

“Admission Open for Executive MBA (EMBA) Program” लिंक पर क्लिक करें।

एडमिशन पोर्टल लिंक पर क्लिक करें।

दिए गए निर्देशों को पढ़ें और "जारी रखें" पर क्लिक करें।

लॉगिन कर रजिस्ट्रेशन करें।

अपना विवरण भरें और आवेदन जमा करें।

आवेदन का प्रिंट निकाल लें।

Date: 16th November 2017

Publication: Business Standard

Edition: Online

Journalist: Trupti Ramball

Professor: Prof. R P Sundarraj & Prof. R K Amit

Headline: IIT Madras announces executive MBA programme 2018

URL: http://www.business-standard.com/article/education/iit-madras-announces-executive-mba-programme-2018-117111400858_1.html

IIT Madras announces executive MBA programme 2018

The Indian Institute of Technology (IIT) Madras recently announced a two-year Executive Master of Business Administration (EMBA) degree program for working professionals at Department of Management Studies (DoMS).

The admission process for the EMBA has already started. Interested candidates can apply at the official website, iitm.ac.in. The last date to apply is November 30, 2017 by 5:30 PM.

IIT Madras EMBA

The two-year programme aims to equip mid-career working professionals with a functional and integrative perspective. It will help the students imbibe contemporary management knowledge to lead a modern business organization. The syllabus is designed to inculcate a broad industrial domain knowledge and leadership traits that will contribute to a global business setup.

The programme, according to an official release, will be conducted in eight quarters and will include 30 courses with three capstone projects. It is designed for blended weekend learning. The classes will be held on Saturday/Sunday over alternate weekends. The curriculum provides a three-pronged learning approach. Faculty coordinator for the course are R P Sundarraj and R K Amit. The fee is Rs 3 lakh per semester with the total amounting to Rs 12 lakh.

Eligibility criteria

Interested candidates should hold a first class bachelor's degree in any discipline. They should also have a minimum work experience of three years.

Selection procedure

Candidates will be shortlisted through an entrance examination conducted by Department of Management Studies (DoMS). The exam will be followed by personal interview. Both, exam and interview, will be held in December 2017 at IIT Madras.

The entrance exam will comprise multiple choice questions on quantitative aptitude, logical reasoning, and verbal ability. Results will be announced in December 2017 and the classes will commence in January 2018.

Application process for EMBA

The application fee is Rs 1000. Interested candidates must apply and submit the fee by 5:30 PM on November 30, 2017. Only those applications that are completed and for which the application fee has been received would be considered for the selection process. Here is a step-by-step guide on how to:

Log on to the official website for IIT Madras www.iitm.ac.in

Click on the notification Admission Open for Executive MBA (EMBA) Program at DoMS, IIT Madras in the Quick Links section

Click on the link for the Admission – Application Portal.

Read the general instructions provided carefully and then click on Continue

Register to the site using a viable Email id and mobile number.

Login to fill in the details and submit the application.

Save a copy of the application for further reference.

Applicants are required to use a non-Hotmail/ outlook/ live/ microsoft mails account as their login email for the application process

Date: 16th November 2017

Publication: Jagran Josh

Edition: Online

Journalist: Nidhi Gupta

Professor: Prof. R P Sundarraj & Prof. R K Amit

Headline: IIT Madras commences 2 year Executive MBA program

URL: <http://www.jagranjosh.com/articles/iit-madras-commences-2-year-executive-mba-program-1510807337-1>

IIT Madras commences 2 year Executive MBA program

Nov 16, 2017 10:08 IST | NIDHI GUPTA

IIM Madras has recently launched Executive MBA program for the MBA aspirants. The Department of Management Studies (DoMS) has taken the initiative to design and float two-year executive MBA (EMBA) degree program aimed at grooming the skills of working professionals. The program aims to equip the working professionals with deep functional and broad industrial domain knowledge. It also aims to enrich the interested MBA aspirants with integrated perspective of boundary spanning business decision.

Eligibility of the programme

An aspirant must possess first Class Bachelor's degree in any discipline. In addition, he/she must also hold minimum three years of work experience

How to Apply in EMBA course

Applicants can apply latest by November 30, 2017 on the [official website](#) of IIM Madras by paying application fees of INR 1000/- only. The application can be filled though ONLINE mode only.

Selection process for EMBA

After you fill in the application form, DoMS will conduct an entrance exam and a personal interview in the month of December 2017 at IIT Madras campus.

The entrance exam will test the aptitude of the aspirants through a multiple choice questions test comprising of section such as Quantitative aptitude, Logical reasoning, and Verbal ability.

The Results of the entrance will be announced in December 2017 and the classes for the course will commence in January 2018.

Mode of Delivery

Classes for EMBA program will begin in January 2018. The classes of executive MBA program will be conducted in blended weekend learning and the classes would be held on alternate weekends. There will be 8 quarters with classes at weekends.

IIM Madras EMBA Fees

The course fee for the EMBA program is INR 12 lakhs. The institute has allowed for the payment of the fee in four instalments of INR 3 lakhs each per semester.

About EMBA program

The faculty coordinator of the EMBA Programme at IIM Madras R P Sundarraj said that, "With over 50 years of experience and expertise in imparting management education, exploring leading edge research and conducting specialised training, IIT-Madras is uniquely positioned and carved a niche for itself in the business and academic worlds."

R K Amit, another faculty coordinator, said, "The EMBA program draws its strength from the DoMS's faculty who have been involved in high impact research and teaching in the frontier areas of management."

For more details about the program structure, you can visit the [official website](#) of IIM Madras.

Keep visiting mba.jagranjosh.com for recent updates on the latest MBA courses and programs launched by top MBA colleges of India.

Date: 17th November 2017

Publication: The Hindu

Edition: Chennai

Page no.: 4

Journalist: NA

Alumni: Mr. B. S. Ramapriya

Headline: Scholarship in memory of IIT-M alumnus



Scholarship in memory of IIT-M alumnus

CHENNAI

Three siblings – two of them alumni of IIT-Madras – on Thursday announced the setting up of a scholarship at the institute in memory of their brother, also an alumnus. The B.S. Ramapriya Memorial Scholarship was given away to a first year student.

Date: 17th November 2017

Publication: Chennai Patrika

Edition: Online

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Alumni: Mr. B. S. Ramapriya, Mr. B.S. Krishna Prasad & Mr. B.S. Sampath

Headline: IIT Madras Alumni set up Scholarship in Memory of their Brother

URL: <http://news.chennaipatrika.com/post/2017/11/16/IIT-Madras-Alumni-set-up-Scholarship-in-Memory-of-their-Brother.aspx>

IIT Madras Alumni set up Scholarship in Memory of their Brother

Himachal Futuristic Communications Limited (HFCL) is sponsoring a scholarship for five economically disadvantaged students of the Indian Institute of Technology Madras. Under the company's CSR programme, it is donating Rs. 3 lakh per year per student for five students for their entire four years of studies, aggregating to Rs. 60 lakh.

The Alumni Office of IIT Madras has the initiative to support the education of economically weaker students through scholarships. The objective was to provide merit-cum-means based scholarships to eligible undergraduate students.

Prof. R. Nagarajan, Dean (International and Alumni Relations), IIT Madras, said, *"We never want students' career aspirations to be crushed under the weight of financial obligations. Scholarships such as those provided by HFCL go a long way towards relieving students' financial burden and enable them to pursue their dreams, whether it be for higher studies or for starting a company. We are very thankful to HFCL and to the many other donors who have come forward to lend a helping hand to brilliant young minds."*

In a statement, Mr. Mahendra Nahata, Managing Director, HFCL, said, *"HFCL is extremely delighted to be involved with this opportunity. Promoting education has always been at the core of Company's CSR vision and there could not have been a better partner than IIT Madras, which has been at the helm of global technological evolution with a prolific record of producing some of the finest leaders in our society."*

Ms. Neelu Chandra, Vice President-CSR, HFCL, said that the Company is continually involved in social welfare activities as part of its well-defined CSR roadmap. The existing list of initiatives includes medical relief through preventive healthcare programmes, promoting digital learning solutions, supporting underprivileged meritorious students and facilitating effective natural disaster management." The most recent addition to this list is the partnership with IIT Madras, India's most prestigious and premier institute of technology. Through this programme, HFCL will provide scholarships to Five Underprivileged Students for the Four Year B-Tech course.

Speaking about the Scholarship, Mr. Manoj Baid, Vice President (Corporate) and Company Secretary, said, *"At HFCL, giving back to the community is among the most important and valuable things."*

Students admitted to B.Tech./Dual Degree programmes through the Joint Entrance Examination (JEE) whose parental income is between Rs. 1 lakh and Rs. 5 lakh per annum are eligible for this scholarship.

Donors can help economically disadvantaged students either through an Endowment or a scholarship.

Two-thirds of the total tuition fee of Rs. 2 lakh is waived for the economically disadvantaged students.

The students have to pay Rs. 70,000 per annum.

The Endowment will work out to a total amount of Rs. 30 crore (USD 5 Million) for 200 students to get the support for four years till they graduate. Every year, around 200 students get added to this category.

Those interested in sponsoring Economically Weaker students can do through the following website:

<https://joyofgiving.alumni.iitm.ac.in/projects/merit-cum-means-scholarship-per-year/scholarship-for-deserving-students-in-iitm>

Date: 18th November 2017

Publication: DT Next

Edition: Chennai

Page no.: 2

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Alumni: Mr. BS Krishna Prasad, Mr. BS Sampath & Mr. BS Ramapriya

Headline: Siblings set up scholarship at IIT-M

URL: <http://www.dtnext.in/News/City/2017/11/18024053/1052528/Siblings-set-up-scholarship-at-IITM.vpf>

Siblings set up scholarship at IIT-M

CHENNAI: Two former students of the Indian Institute of Technology (IIT) Madras, have set up a scholarship in memory of their brother to fund the educational needs of an indigent student.

BS Krishna Prasad a Mechanical engineering graduate from the 1980 batch and BS Sampath, a Mechanical engineering graduate from the 1982 Batch and their sister have established the BS Ramapriya Memorial Scholarship, in memory of their brother Ramapriya, a Mechanical engineering student from 1974 to 1979, will be given to a deserving student from the institution.

Incidentally, BS Ramapriya was the batchmate of IIT Director, Prof. Bhaskar Ramamurthi. Speaking of the scholarship, Ramamurthi said, "This scholarship is awarded to a deserving student of limited means to cover any shortfall in tuition and to provide a grant towards living expenses. To qualify, the student must be an undergraduate student in Mechanical engineering department, IIT Madras. The recipient will be chosen from eligible students by a committee consisting of the Office of Alumni Relations, IIT Madras and the sponsors."

Krishna Prasad, while remembering his brother, said, "Ramapriya cared deeply about those less fortunate than himself. In that spirit, my brother Sampath, my sister Padma and I are pleased to sponsor this Scholarship. Chandanoor Vishwas is the first recipient."

The Alumni Office of IIT Madras has a provision to provide scholarships to undergraduate students who face financial difficulties. Students whose parents earn less than Rs. 1 lakh a year get a full tuition fee waiver from the institution.

Date: 27th November 2017

Publication: The Hindu- Special Report

Edition: Chennai

Page no.: 4

Journalist: NA

Alumni: Mr. BS Ramapriya

Headline: Scholarship



Scholarship

Former students of IIT-Madras have established a scholarship, funding the education of an undergraduate student of the Institute, requiring financial assistance. The scholarship was instituted in memory of BS Ramapriya, Mechanical Engineering student (1974-1979), by his brothers and sister, on occasion of his 60th birthday. Students whose parents earn less than ₹1 lakh per year get a tuition fee waiver from IIT-M.

Date: 28th November 2017

Publication: The Times of India

Edition: Hyderabad/Chennai

Page no.: 18

Journalist: Rachel Chitra & Ranjani Ayyar

Headline: Public finance institutions lag industry in funding to tech sectors

Public finance institutions lag industry in funding to tech sectors

Rachel Chitra &
Ranjani Ayyar | TNN

Chennai: Public sector finance institutions (PSFI) allocate 27% of their VC/PE funding to the technology segment compared to the industry average of 45-50%, a report has said.

"We are bound by regulation to invest a majority of their funds in lower-risk instruments such as government securities, corporate debt, etc. Only a quarter of our investments go towards equities, and there again we invest in funds that have a AAA rating or above. There are very few VC/PE funds that get such ratings. As for startups, there is very little analyst research, rating, industry backing, public filings or knowledge of their internal workings, which curtails insurance companies investing in tech—directly or indirectly," said Sujay Banar-

TEPID SHOW	
SECTOR	No. of ventures
Technology	159
Industrials	156
Consumer Services	79
Healthcare	68
Consumer Goods	56
Financials	38
Basic materials	18
Oil and gas	10
Telecommunications	3

ji, chairman, Oriental Insurance Company.

However, the funding trend is reversed in non-tech sectors, said IIT Madras' report India Venture Capital and Private Equity Report 2017.

For instance, industrials and consumer goods and services account for about 26% and 23% respectively of VC funds with PSFI investment.

Both sectors account for only 13% of the overall ventures that receive VC/PE funding, the report said.

The report also said PSFIs prefer to invest in those venture funds whose investment objectives are in alignment with the agenda of national development, which is espoused by such institutions.

"Public finance institutions have a lot of rules and regulations to comply with and processes take time," said Suresh Sambandam of Orangescape and KISSFLOW, one of the few tech startups to get funding from PSFIs. Anand Shankar, investment associate at GVFL Limited, where the government of Gujarat is an anchor investor, says it is a matter of time before such institutions direct more funds towards tech startups. IT & ITES startups constitute 40% of GVFL's portfolio.

**IIT Madras is a research-focused
Institute**

Date: 2nd November 2017

Publication: The Hindu

Edition: Chennai

Page no.: 2

Journalist: Deepa H. Ramakrishnan

Professor: Prof. Balaji Narasimhan

Headline: Pilot flood forecast system being developed for city

URL: <http://www.thehindu.com/news/national/tamil-nadu/pilot-flood-forecast-system-being-developed-for-city/article19964003.ece>

Pilot flood forecast system being developed for city

Joint initiative by IIT-Madras, IIT-Bombay and Anna University

DEEPA H. RAMAKRISHNAN
CHENNAI

Even as civic agencies are taking steps to mitigate the effect of rain this northeast monsoon, IIT-Madras, IIT-Bombay and Anna University have come together to develop a pilot flood forecast system for the city.

Flood sensors are being installed at six locations near the Adyar, Kosasthalayar, Cooum and Kovalam basins to record the water level.

"Already, 15 rain gauges have been installed across river basins and students are measuring water flow in the rivers," said Balaji Narasimhan, Associate Professor, Civil Engineering Department, IIT-M.

The project is being taken up with funds from the Principal Scientific Adviser to the Government of India. While, IIT-M is developing a hydrological model by which it would predict the quantum of flow in the rivers, Anna University is developing the digital terrain model and mapping the storm water drain network. IIT-B is involved in improving the rainfall forecast estimates in collaboration with the National Centre for Medium Range Weather Forecasting.

"We will develop a numerical model and have it calibrated so that when rainfall is forecast, we can predict how much water will flow in the river. We hope to have an operational pilot flood forecasting system for Chennai rivers by the 2018 monsoon season. It would provide advance notice to line departments to take steps including evacuating people living close to rivers or timing water release from reservoirs," he said.



Crucial inputs: A flood sensor installed at Saidapet by IIT-Madras. •R. PICHUMAN

Date: 3rd November 2017

Publication: The Hindu

Edition: Chennai

Page no.: 5

Journalist: NA

Professor: Prof. Gitakrishnan Ramadurai

Headline: Mobile app to improve response time of ambulances

Mobile app to improve response time of ambulances

SPECIAL CORRESPONDENT
CHENNAI

Aiming at improving the response time of 108 ambulances in the State, which is already better than the national average, the State government on Thursday unveiled a mobile-based app, 'Avasaram 108.'

The app will help ambulances efficiently navigate their way to the caller's exact location at the earliest. The app developed for android phones at a cost of ₹5 lakh can be downloaded from Google Play Store.

"This app will help especially in cases of accidents

where the caller is not sure of the location and is not able to share the details of the site. It matters a lot during night time when the caller cannot locate a landmark to guide the ambulance to the location," an official said.

"This has been designed in such a way that the callers would be able to inform the ambulance even without internet. An SMS is sent to the responder with the latitude and longitude," said associate professor Gitakrishnan Ramadurai of Department of Civil Engineering at IIT-Madras here.

Date: 6th November 2017

Publication: The Times of India- Education Times

Edition: Delhi

Page no.: 2

Journalist: Prof. R. Nagarajan & Prof. BS Murthy

Headline: Workshop



WORKSHOP

IIT Madras conducted a two-day Indo-German workshop on 'Coastal Hazards and Coastal Water Management, Vulnerability and Sustainability.' The objective was to discuss, exchange knowledge, and investigate coastal hazards including toxic floods. The workshop was inaugurated by Nagarajan, dean (International and Alumni Relations), IIT Madras, and Indo-German Centre co-ordinators from both countries, BS Murty and Rafiq Azzam.

Date: 6th November 2017

Publication: The New Indian Express

Edition: Chennai/Kochi/Bangalore

Page no.: 16

Journalist: Johanna Deeksha

Alumni/student: Anirudh N

Headline: His paper's going to Vegas

His paper's going to Vegas

IIT-M's Anirudh N speaks to *Johanna Deeksha* about his research paper on dual cameras for phones which is taking him to Vegas

From a very young age, Anirudh N has been fascinated with technology, particularly inspired by his uncle who was making it big in the IT industry. So, it shouldn't shock you to know that even before he can get his hands on his Engineering degree, Anirudh is creating waves in the industry.

Anirudh, a third-year student at the Indian Institute of Technology, Madras, has recently become one of the first people in India to hypothesize a design for a dual camera phone, a research paper which he will be presenting at a conference in Las Vegas. The paper proposed a method for photometric alignment in asymmetric camera systems which help capture sharper images for static scenes. The idea came to Anirudh

while he was interning with Samsung Research Institute Bangalore (SRI-B). The internship was offered to him as he was one of the members of the winning team, Mumsakors, at the first season of Samsung EDGE.

"I remember some people stood up to clap for the team when we presented our idea to the judges. That fetched us a lot of recognition," recalls the 19-year-old. During his internship, Anirudh came up with the concept of a dual camera. "I was reading a lot during my time there and another advantage was that even the top people kept their doors open to us. I got a lot of help from my seniors to put the concept into words," he explains.

And while most research papers get published in leading journals, Anirudh's paper has been selected to be presented at the International Conference on Consumer Electronics, which is a part of the much-celebrated Consumer Electronics Show to be held in Las Vegas in January 2018. Ecstatic about his achievements, Anirudh says, "I'm so happy about being able to go to Las Vegas, but I'm even more excited about being a part of a mainstream project. I want to see the product materialize soon." Anirudh intends to continue in the line of research long after he graduates from IIT.

tech WIZ

“I was reading a lot during my time there and also there was no senior-junior hierarchy in Samsung. Even the top people kept their doors open to us, so that and my reading helped me formulate this idea.
Anirudh N



Date: 9th November 2017

Publication: Factor Daily

Edition: Online

Journalist: Sriram Sharma

Professor: Prof. V Kamakoti & Prof. G S Madhusudhan

Alumni/PhD scholar: Neel Gala

Headline: An ARM killer from IIT, Madras? Meet the brains behind India's ambitious processor project

URL: <https://factordaily.com/india-chip-design-shakti-iit-madras/>

An ARM killer from IIT, Madras? Meet the brains behind India's ambitious processor project

Story Highlights

Shakti is a part of India's homegrown program to develop its own processors, ranging from IoT to high-end servers, AI and ML processors.

Physical manufacturing of chips – slated for first quarter of 2018 – could be the beginning off competition against chipmakers such as ARM

It piggybacks on the open source RISC-V instruction set architecture, an alternative to the existing closed and costly designs.

Stepping into the Indian Institute of Technology, Madras environs feels like you are in a walled jungle. The landscape is full of thick trees that have set down roots for decades. Bats, deers, and monkeys, seemingly comfortable with the few thousand bicycle-riding students, academics, and staff on campus, are easy to spot. The air, thanks to a recent bout of rains in Chennai, is as good as a hill station — very unusual for the port city.

I'm here to meet the team behind the Shakti Processor Project, an ambitious effort in its computer sciences department to build six variants of processors to power Internet of things (IoT) products to high-end servers. If successful — physical manufacturing of chips is to start in the first quarter of 2018 — it will be the first open source processor of its kind built from scratch out of India.

And, if it finds takers in the market, it could make changes in the imports-dependent electronics ecosystem in India, which is predicted to spend more on importing electronics than on oil by 2020.

The Shakti project is based on the RISC-V ISA started at UC Berkeley. For those unfamiliar with the term, RISC, which stands for reduced instruction set computer, is an architecture that uses fewer computing cycles per instruction making it ideal to carry out a set of smaller and general instructions. ISA is short for instruction set architecture, which defines the specifications to be met by a processor.

A C-class controller, an entry-level processor with use in IoT, smart cards and security applications, will be the first in the Shakti series out first quarter of 2018

The first chip of the Shakti series will be a C-class controller chip, an entry-level processor, which would find use-cases in IoT, smart cards, and security applications.

To be sure, there are similar efforts on at C-DAC, or Centre for Development of Advanced Computing, India, under the Ministry of Communications and Information Technology, which is also funding the Shakti project. The C-DAC initiative received \$45 million funding, according to news reports in early 2016.

“We started this effort four to five years ago. We have now evolved a roadmap for it — we will go from a controller class to a server class,” says V Kamakoti, who along with G S Madhusudhan, is a coordinator of the Shakti project. Kamakoti is a professor in IIT Madras’s computer sciences department and Madhusudhan is a senior project adviser. Both are members of India’s AI task force,

There are purely academic reasons for Shakti processors to exist. The department’s processor architecture research, for instance, was dependent on scraps of projects it got from businesses and industry. “We did not have a commercially equivalent platform, an effective public platform on which to do research,” says Kamakoti. “For example, if I have a new branch predictor (a unit inside a CPU) and I don’t have an Intel architecture, where can I fit my branch prediction and say, ‘Yeah, it’s working great’? I did not have access to the design, to compare it, with an equivalent in a commercial processor.”

There are also security reasons for wanting to make a processor for India. “We don’t know really whether the processor we are getting from outside is trustworthy. Is it secure?” asks Kamakoti. “Suppose I want variants of a processor, for different needs – not just strategic, even civilian needs – I have to basically rely on the processor available to me, and fit my application to that. It is something like I bought the slipper and I am cutting my feet to fit into it.”

An Appetite for RISC

At the Laboratory of VLSI Design, the team is working on the C class of Shakti, which is suited for microcontrollers. Part of what enables a small team to do so is that the processor is based on the RISC-V architecture, an open standard. The entire software toolchain effort is borne by a few universities — primarily Berkeley, Cambridge, and MIT.



Members of the Shakti Processor Team : G. S. Madhusudan, Vishvesh Sundararaman, Arjun Menon, Vinod Ganesan, Shankar Raman, Neel Gala, Deepa N Sarma, Gopinathan M., Rahul Bodduna

Neel Gala, a PhD Scholar from IIT Madras, an early member of the Shakti project told us why a small team, that numbers in the tens, can ship a processor, which would otherwise take hundreds of people.

The RISC-V ISA got traction when the Berkeley team released a processor (in July 2016), which was taped out and running Linux, Gala says. “This was a team of seven students. A team of just seven people working on a new language, on a new processor, was able to beat ARM or its equivalent. That gave us an extra boost, that we can (do it) as well. There is nothing that is sacred and holy that we don’t know.” ARM is a British chipmaker with a dominant share in processors used in mobile phones and tablets.

The team uses Bluespec System Verilog, a hardware description programming language used in chip design, which helps in a much shorter product release cycle. “Bluespec gives you a high-level abstraction, like going from assembly (level programming) to C. You don’t do the dirty work, the compiler does all the work for you. You work at a much higher level, your throughput increases. Simulation and turnaround time increases, your product release time has a shorter cycle,” Gala says.

The RISC-V standard offers quality, flexibility and low cost, setting it apart from proprietary ISAs. The RISC-V Foundation, a non-profit corporation, which wants to make the ‘Linux of microprocessor architectures’, has been getting traction lately. Started in 2014, its membership base has grown to over a hundred organisations, the foundation said in an announcement earlier this week. Apart from the world’s leading tech universities, its members include Google, Huawei, Micron, Microsemi, NVIDIA, NXP, Qualcomm, Samsung, SiFive, among others.

Referring to a Berkeley project where a team of seven researchers taped out a chip equivalent to an ARM processor, PhD scholar Neel Gala says, “There is nothing that is sacred and holy that we don’t know.”

There are enthusiastic buglers in this movement of sorts in the microprocessor world. “The capitalist computing bourgeoisie want to enslave us all with proprietary processing architectures, but the proletariat eventually produces its own processor alternative – an ISA for and by the people, where instruction sets aren’t subject to the whim of the royalty-driven class, and where licensing fees don’t oppress the workers’ BOMs (bill of materials),” writes Kevin Morris in the Electronics Engineering journal, lending colour and gravitas to what’s at stake in the processor industry.

Some of that open source zeal can be seen in the Shakti team here. Gala, who was offered a ‘good seven digit package’ by one of the big chip giants, decided against it. “This was an interview over a cup of coffee. The moment of realisation for me was sitting in the cafeteria, and seeing a hundred other PhDs there. The only distinction I had over them was Shakti. If I left it, I would just be another ball in the bag. So that’s why I didn’t leave,” he says.

Shakti has its talent locked in, clearly, but the big imponderable in the chips business is time. Delays are common, even more in academic efforts. So too with Shakti project. An EETimes story in January 2016 said tape out would happen that summer but as our reporting shows, it is now set for just before summer of 2018.

Implications for India

India has been developing processors for nearly 20 years, what’s new is that Shakti is the first effort to consolidate that, so that it is systematic, says Madhusudhan, the second coordinator of the project. “A

homegrown processor family, as a consistent effort to spread homegrown processors across the country — this is the first organized broad effort,” he says.

The project could enable the production of homegrown CPUs that are open, patent-free and royalty free. If that sounds like heading into a commodity market, Madhusudhan begs to differ: “If you do commodity processors, it is a commodity industry. If you do state of the art secure processors, AI and ML processors, it is not a commodity industry... high-security processors is not,” he says.

“We can get very customised chips done at far cheaper cost than anybody else. Just like Tirupur does it for knitting, we’re doing it for processors. We’re also trying to incubate companies for handling specific portions of the task.” says Madhusudhan, adding that his students might work on a couple of startups of their own.

He shares an example of how the government is pushing for energy efficient fans and fridges, an area where the Shakti RISC-V processor could find a market-fit. “These use a brushless DC motor, which requires a small processor. We’re talking to one entity that does close to a million fans a month.”

“We can get very customised chips done at far cheaper cost than anybody else. Just like Tirupur does it for knitting, we’re doing it for processors. We’re also trying to incubate companies...,” says G S Madhusudhan of IIT, Madras

An industry veteran says the need for a domestic chipset is staring India in its face. “Our consumption is so mismatched with our indigenous development which means that we are constantly dependant on somebody else to supply, for all our needs,” says P K Sundarajan, formerly the director of IP with Cosmic Circuits, a Bengaluru semiconductor company that was snapped up in 2013 by US-based Cadence Design Systems, a provider of tools and solutions for the semiconductor industry.

The know-how to do these things definitely exists in India. It’s just a question of putting the minds together and getting it done, Sundarajan says. “If you look at some of the Snapdragon cores, maybe its variants, I’m fairly certain it was developed here in Bengaluru. If I look at whether raw talent is available here, there is no question at all. Even with Intel, a lot of the server processing cores probably happens here and likewise with AMD,” he says.

Prakash Mohapatra, an industry analyst, says that he has seen a lot of traction for the RISC-V standard in the last 5-6 months, which has led to a change in his earlier belief that it will not be able to dent the processor ecosystem.

He also points out that over the last few years, ARM has shown interest in enabling custom SoCs at a low investment, through its DesignStart program. (SOC is short for system on a chip, which is an integrated circuit with multiple computing components on a single substrate and is designed for specific applications. They are relatively cheap and consume less power.)

A slowing down of Moore’s law will drive SoC vendors to adopt RISC-V ISA, says Mohapatra. “As innovation in terms of processor technology is not happening, many companies are thinking of how exactly they can improve their performance without compromising on power. All this customisation can be a way of

enhancing process nodes. Instead of newer processors, which are really expensive, you can go for custom SoCs, which are tuned to your application,” he says.



Prof V. Kamakoti, one of the project coordinators at IIT Madras for the Shakti Project, is also chairing India's AI task force

While ARM dominates the smartphone market and Intel dominates the server market, a dominant player has yet to emerge in the areas of IoT and AI, areas where RISC-V could make inroads if an extensive ecosystem is in place, Mohapatra says.

“My view is that it will definitely go out of this academic thing and it will go towards a commercial distribution and can actually pose a major threat to ARM,” he says, cautioning that Shakti will have to climb a steep learning curve that is decades old.

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Publication: DT Next

Edition: Chennai

Page no.: 2

Journalist: Tuba Raqshan

Professor: Prof. Balaji Narasimhan

Headline: IIT-M installs flood monitors, plans on early-warning system

URL: <http://www.dtnext.in/News/City/2017/11/11010221/1051714/IITM-installs-flood-monitors-plans-on-earlywarning-vpf>

IIT-M installs flood monitors, plans on early-warning system

■ TUBA RAQSHAN

CHENNAI: Indian Institute of Technology - Madras (IIT-M) has installed six flood monitoring systems in the downstream areas of the rivers across the city, which is currently in the observational phase. A pilot early-warning system will be developed before the onset of the monsoons by July 2018.

Dr. Balaji Narasimhan, Associate Professor, Environment and Water Resources Engineering Division, Dept of Civil Engineering, IIT Madras, said that flood monitoring sensors have been installed in six locations: Okkiam Maduvu (OMR), Maraimalai Adigal Bridge (Saidapet), Thiru Vi Ka Bridge (Adyar), Anna Nagar Bridge (near the Arch), Napier Bridge and Ennore creek Bridge, above Ennore Creek. These are in the observational phase, where we are trying to understand that for a given amount of rainfall, what will be the discharge of water in the rivers and how much the water levels will rise. We are in the process of building, calibrating and validating a hydrological model. Once developed, it can be used with the rainfall forecasts to serve as a flood early warning system," said the professor.

Agencies such as National Centre for Medium Range Weather Forecasting (NCMRWF) and India Meteorological Department (IMD) forecast the rainfall. "We can use the rainfall forecast data from these agencies and our model to find out how this quantity of forecasted rainfall will result in water flow to the rivers. We can ascertain how much of the downstream area will be flooded and to what extent.



One of the flood monitoring systems installed by IIT-M

This can be done 24-48 hours in advance, giving state authorities the time to respond. These inputs can identify vulnerable areas and deploy appropriate resources in those areas" said the professor.

Funded by Principal Scientific Adviser to the Government of India, IIT-M is working along with IIT-Bombay and Anna University to develop this system. "After we find out the water flow pattern, we can integrate the data with topography, to ascertain if the flooding level of an area will be at 2-feet or 5-feet, in advance. This can help the state authority. The technology will be shared with the State Disaster Management Authority and we will train officials on interpreting and using the data," he said.

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Publication: The Times of India

Edition: Online

Journalist: Pushpa Narayan

Professor: Prof. Venkatesh Balasubramanian

Headline: IIT-Madras develops app to capture real-time data on road accidents

URL: <https://timesofindia.indiatimes.com/city/chennai/iit-madras-develops-app-to-capture-real-time-data-on-road-accidents/articleshow/61596626.cms>

IIT-Madras develops app to capture real-time data on road accidents

CHENNAI: Tamil Nadu health minister C Vijay Baskar on Friday launched a mobile app to record road accidents in the state.

The app, developed by IIT-Madras, will capture real-time data from all government hospitals in the state. As a pilot, the app has collected information in trauma and postmortem impressions from five hospitals.

"Our aim is to reduce the number deaths due to the accident and also find out how such accidents can be prevented," said Vijay Baskar while launching the app at a conference at IIT-Madras.

The target of Sustained Development Goal (SDG) is to halve the number of global deaths and injuries from road traffic accidents by 2023. "To achieve this, it is essential to ensure timely referral and definitive treatment for the injured victims within the golden hour," the minister said.

The app will be used to study six major categories -- road accidents, fall injuries, assault cases, surgeries, head injuries and mode of patient transfer.

It would be extended to all the government hospitals under the programme, said Venkatesh Balasubramanian of the department of engineering design at the IIT-Madras.

"While the aim is to increase the survival rate of the injured people, we will be able to do research on the reasons for the cause of trauma with the type of injuries. This will also help us prevent accidents," he said.
Australia-India Trauma System

The 182-year old Madras Medical College will be part of the Australia-India Trauma System (AITSC), which brings together the two governments, industry, clinicians and researchers to improve information and resources and pilot new systems of emergency care.

The state initiative is being led by the Tamil Nadu Accident and Emergency Care Initiative (TAEI), a new wing formed under the state health department to bring down fatalities in road traffic accident.

The TAEI was formed after the state had been continuously topped the country in the number of road accidents and fatalities.

The TAEI, in co-ordination with the IIT-Madras and the National Trauma Research Institute (Australia), organised the two-day conference at the IIT-M to discuss various issues including kinds of road accidents, the available pre-hospitalisation facilities, number of trauma care centres and facilities besides research on trauma.

"We aim at bringing the best practices to Tamil Nadu. AITSC is led by AIIMS in New Delhi," said the health minister.

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Journalist: NA

Headline: Amphibious ambulances to help people in flood-hit areas

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Amphibious ambulances to help people in flood-hit areas

CHENNAI: The city might get its first amphibious ambulance (a vehicle that can move on land and water) before the next monsoon season, if a project headed by the Indian Institute of Technology, Madras (IIT-M) and the Health department turns out to be a success.

Following the 2015 floods, Cyclone Vardah, and the rains that affected the state in last two weeks, the state government has realised the challenges in trying to reach sick persons, as well as pregnant women, in heavily inundated areas.

Subsequently, IIT-M, which has been helping the Health department with Universal Health coverage and pregnancy monitoring, started working on an amphibious ambulance to help the government handle trauma care during floods. "During the 2015 floods, the state realised that while the ambulances worked overtime and delivered exceedingly well, there were challenges in areas that were deeply inundated. Therefore, the development of amphibious ambulances would be a very big shot in the arm in rescuing pregnant women and sick people. IIT-M has since then been working on a design," said Health Secretary, J Radhakrishnan.

While the concept was a brainchild of IIT-M, it is to be based on the concept of the same used during the World Wars. "The ambulance is basically a tank which can be used during the floods. Even if the level of water is high, the engine will not be affected, ensuring that it can reach pregnant women and the sick, who are in dire need of care," said Darez Ahamed, Mission Director, National Health Mission.

Stating that the work was initi-



Health Minister C Vijaya Baskar, other officials at the trauma care workshop held at IIT-M on Friday

Even if the level of water is high, the engine will not get spoilt, ensuring that it can reach pregnant women and the sick during floods

Darez Ahamed, Mission Director, National Health Mission

ated in the beginning of 2016, after challenges were faced during the 2015 floods, he said, "The chassis will be bigger. The process of bringing it has involved a lot of trials and errors and it is in the final stage of trial now. Though the work began over a year ago, it has been taking time as there has been a lot of iterations involved." It may be noted that it is the first of its kind in the country.

The Director of the Institute, during a Trauma Care Workshop

organised by the Tamil Nadu Accident and Emergency Care Initiative (TAEI), Government of Tamil Nadu, jointly with National Trauma Research Institute, Australia and IIT-M, on Friday, said that the ambulance will be launched in four to five months.

With Tamil Nadu known to have a very high number of Road Traffic Accidents (RTA) - in 2013, the state recorded 15,563 fatalities in the 14,504 recorded accidents - there is an urgent need for efforts to be taken by the government to meet the target of Sustainable Development Goal, to halve the number of global deaths due to RTA, by 2020.

Stating that the Madras Medical College will soon be a part of the Australia India Trauma System, Health Minister C Vijaya Baskar, on Friday, said that the state government will strive to achieve the goal well ahead of the deadline.

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Page no.: 3

Journalist: NA

Headline: Amphibious vehicles to help flood-hit people

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Amphibious vehicles to help flood-hit people

EXPRESS NEWS SERVICE @Chennai

THE Tamil Nadu government will soon introduce amphibious vehicles that can be used during floods to transport patients from inundated places or hospitals.

The Indian Institute of Technology-Madras (IIT-M) is designing the vehicles, said Health minister C Vijaya Basker on Friday.

Speaking to reporters at the two-day workshop on Trauma Care Sys-

tems organised by National Health Mission-Tamil Nadu, he said the State government is working with IIT-M, which is designing the vehicle. "Soon, these vehicles will be added to the emergency service," he said. Amphibious vehicles can travel on land as well as in water.

An MoU between Australia and Tamil Nadu government was also signed as part of the India-Australia Trauma Care Systems project during the workshop. Rajiv Gandhi

Government General Hospital (RGGGH) was chosen for India-Australia Trauma Care Systems project. As part of the project, the RGGGH trauma care will be improved.

As part of the project, the minister also launched Tamil Nadu Accident and Emergency Care Initiative (TAEI App), an internal app for trauma and accident cases reporting from the government hospitals.

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Page no.: 4

Journalist: NA

Headline: Introducing water ambulance soon

தண்ணீரிலும் செல்லக்கூடிய ஆம்புலன்ஸ் விரைவில் அறிமுகம்

சென்னை, நவ.11: தமிழ்நாடு சுகாதாரத்துறை சார்பில், விபத்து காய சிகிச்சை பற்றிய பயிலரங்கம் தர மணி ஐஐடி ஆராய்ச்சி மையத்தில் நேற்று நடந்து சுகாதாரத்துறை அமைச்சர் விஜயபாஸ்கர் தலைமை வகித்தார். அமைச்சர்கள் மாபா.பாண்டியராஜன், கடம்பூர் ராஜு முன்னிலை வகித்தனர். விபத்து கால சிகிச்சை முறைகளை மேம்படுத்தும் வகையில் தாய் என்ற ஆப் உருவாக்கப்பட்டுள்ளது.

இதை தொடர்ந்து வைத்து அமைச்சர் விஜய பாஸ்கர் பேசியதாவது:

ஒவ்வொரு ஆண்டும், சாலை விபத்துக்களில் ஏராளமான உயிரிழப்புகள் ஏற்படுகிறது. இந்த அரக விபத்துக்களை குறைக்கவும், உயிரிழப்புகளை தடுப்பதற்கும் பல்வேறு முயற்சிகளை தொடர்ந்து எடுத்து வருகிறது.

தமிழக அரசு தற்போது பிளாட்டினம் நேரம் என்ற குறிக்கோளை நோக்கி செயல்படுகிறது. இதன் ஒரு அங்கமாக ஆஸ்திரே

அமைச்சர் விஜயபாஸ்கர் பேச்சு



தாய் செயலியை அறிமுகப்படுத்துகிறார் அமைச்சர் விஜயபாஸ்கர்.

லியா - இந்தியா விபத்து காய சிகிச்சை திட்டத்தில் சென்னை அரசு மருத்து வக்கல்லூரி ஒரு அங்கமாக இருப்பதற்கான புரிந்துணர்வு ஒப்பந்தமும் செய்யப்பட்டுள்ளது.

அதேபோன்று, விபத்தில் அடிபட்டவரை மேல் சிகிச்சைக்காக உரிய நேரத்தில் கொண்டு செர்த்து அவர்களை காப்பாற்றுவதற்கான சிகிச்சை தற்காக 'தாய்' என்ற 'ஆப்' உருவாக்கப்பட்டுள்ளது.

இதை ஐஐடி ஆராய்ச்சி மையம் இலவசமாக செய்து தந்துள்ளது. அதே போன்று, தமிழகத்தை பொறுத்தவரை மழை வெள்ள பாதிப்புகள் அதிகமாகிக்கொண்டிருக்கிறது.

வெள்ளத்தில் சிக்கியுள்ளவர்களை உடனடியாக காப்பாற்றுவதற்கான வசதிகளை மேம்படுத்தும் வகையில், தண்ணீரிலும் செல்லக்கூடிய ஆம்புலன்ஸ் தயாரிக்கப்பட்டு வருகிறது. இதை சென்னை ஐஐடி வடிவமைத்து வருகி

றது. இன்னும் சில மாதங்களில் நீரிலும் செல்லக்கூடிய ஆம்புலன்ஸ் அறிமுகம் செய்யப்படும்.

வெள்ளப்பாதிப்பின் போது உயிருக்கு போராடுபவர்களை காப்பாற்ற இந்த ஆம்புலன்ஸ் உதவி பெரிதும் பயன்படும். இது உலகப்போரின் போது பயன்படுத்தப்பட்டது. அதன்படி நம் நாட்டில் பயன்பாட்டில் இல்லை. தற்போது இந்தியாவிலேயே முதல் முறையாக அறிமுகப்படுத்தப்படுகிறது. இவ்வாறு அவர் பேசினார்.

நிகழ்ச்சியில், சுகாதாரத்துறை முதன்மைச் செயலாளர் ராதாகிருஷ்ணன் உட்பட பலர் கலந்து கொண்டனர்.

குமரி அனந்தனுடன் சந்திப்பு: சென்னை ராயப்பேட்டை அரசு மருத்துவ மனையில் சிகிச்சை பெற்று வரும் காங்கிரஸ் மூத்த தலைவர் குமரி அனந்தனை சுகாதாரத்துறை அமைச்சர் விஜயபாஸ்கர் நேற்று சந்தித்து உடல் நலம் விசாரித்தார்.

Date: 11th November 2017

Publication: The Hindu - Tamil

Edition: Chennai

Page no.: 6

Journalist: NA

Headline: IIT-Madras develops app to capture real-time data on road accidents



▲ சென்னை நடைபெற்ற ஐஐடி ஆராய்ச்சி பூங்கா தரங்கத்தில், விபத்து காய சிகிச்சை தொடர்பான தாய் செயலியை அறிமுகப்படுத்துகிறார் மக்கள் நலவழி மற்றும் குடும்ப நலத்துறை அமைச்சர் சி.விஜயபாஸ்கர். உடன் தேசிய சுகாதாரத் திட்ட குழும இயக்குநர் தாரேஸ் அகமது, தேசிய விபத்து காய சிகிச்சை துறை இயக்குநர் மர்க் பி.ஜெரால்டு, ஐஐடி இயக்குநர் பாலகர் ராமமூர்த்தி உள்ளிட்டோர்.

இந்தியாவில் முதல்முறையாக

தண்ணீரில் செல்லும் ஆம்புலன்ஸ் விரைவில் அறிமுகப்படுத்தப்படும்

● சுகாதாரத் துறை அமைச்சர் தகவல்

சென்னை தேசிய சுகாதார திட்ட குழுமம் (தமிழகம்) சார்பில் விபத்து காய சிகிச்சை குறித்த கருத்தரங்கம், சென்னை தரமனியில் உள்ள ஐஐடி ஆராய்ச்சி பூங்காவில் நேற்று நடைபெற்றது. இந்த கருத்தரங்கம் சுகாதாரத் துறை அமைச்சர் சி.விஜயபாஸ்கர் தொடங்கி வைத்தார். அப்போது ஆஸ்திரேலியாவைச் சேர்ந்த தேசிய விபத்து காய சிகிச்சை துறை இயக்குநர் பேராசிரியர் மர்க் பி.ஜெரால்டு என்பவர் ஆஸ்திரேலியா - இந்தியா இடையேயான விபத்து காய சிகிச்சை திட்டத்தில் சென்னை மருத்துவக் கல்லூரி ஒரு அங்கமாக இருப்பது குறித்து உரையாற்றி, அதில் செல்வாக்குடைய ஆம்புலன்ஸ் தமீழ் கத்தில் இன்னும் சில மாதங்களில் அறிமுகப்படுத்தப்பட உள்ளது. அந்த ஆம்புலன்ஸ் வடிவமைக்கும் பணி நடைபெற்று வருகிறது. இந்த பணியில் சுகாதாரத் துறை அமைச்சர் கட்டப்பூர் ராஜா, தமீழ் ஆட்சிமொழி மற்றும் தமீழ்ப் பண்டாட்டுத்துறை அமைச்சர் கே.பாண்டியராஜன், சுகாதாரத்துறைச் செயலாளர் ஜெ.ராதாகிருஷ்ணன், தேசிய சுகாதாரத் திட்ட குழும இயக்குநர் தாரேஸ் அகமது, தமீழ்க் சுகாதாரத் திட்ட இயக்குநர் பி. உமா மகேஸ்வரி, பொது சுகாதாரம் மற்றும் நோய் தடுப்பு மருந்து துறை இயக்குநர் (டிபி எச்) க.குழந்தைசாமி, எம்.எஸ். மருத்துவமனை பேராசிரியர் அமித் குப்தா, ஐஐடி இயக்குநர் பாலகர் ராமமூர்த்தி உள்ளிட்ட பலர் கலந்து கொண்டனர்.

படுத்தி சி.விஜயபாஸ்கர் பேசும் போது, "உலகமேயே விபத்து காய சிகிச்சையை ஆஸ்திரேலியா சிறப்பாக கையாள்கிறது. அதனால்தான் ஆஸ்திரேலியா - இந்தியா விபத்து காய சிகிச்சை திட்டத்தில் சென்னை அரசு மருத்துவக் கல்லூரி ஒரு அங்கமாக இருப்பதற்கான புரிந்துணர்வு ஒப்பந்தம் செய்யப்பட்டுள்ளது. தனியாக ஒரு செயலியும் அறிமுகப்படுத்தப்பட்டுள்ளது. தமிழகம் முழுவதும் விபத்து காய சிகிச்சை மையங்கள் உருவாக்கப்படும்" என்றார்.

பின்னர் சொற்பொழிவுகளில் பேசிய அவர், "இந்தியாவில் முதல் முறையாக சென்னை ஐஐடி சார்பில் தண்ணீரில் செல்லக்கூடிய ஆம்புலன்ஸ் தமீழ் கத்தில் இன்னும் சில மாதங்களில் அறிமுகப்படுத்தப்பட உள்ளது. அந்த ஆம்புலன்ஸ் வடிவமைக்கும் பணி நடைபெற்று வருகிறது. இந்த பணியில் சுகாதாரத் துறை அமைச்சர் கட்டப்பூர் ராஜா, தமீழ் ஆட்சிமொழி மற்றும் தமீழ்ப் பண்டாட்டுத்துறை அமைச்சர் கே.பாண்டியராஜன், சுகாதாரத்துறைச் செயலாளர் ஜெ.ராதாகிருஷ்ணன், தேசிய சுகாதாரத் திட்ட குழும இயக்குநர் தாரேஸ் அகமது, தமீழ்க் சுகாதாரத் திட்ட இயக்குநர் பி. உமா மகேஸ்வரி, பொது சுகாதாரம் மற்றும் நோய் தடுப்பு மருந்து துறை இயக்குநர் (டிபி எச்) க.குழந்தைசாமி, எம்.எஸ். மருத்துவமனை பேராசிரியர் அமித் குப்தா, ஐஐடி இயக்குநர் பாலகர் ராமமூர்த்தி உள்ளிட்ட பலர் கலந்து கொண்டனர்.

இந்த கருத்தரங்கம் செய்தித் துறை அமைச்சர் கட்டப்பூர் ராஜா, தமீழ் ஆட்சிமொழி மற்றும் தமீழ்ப் பண்டாட்டுத்துறை அமைச்சர் கே.பாண்டியராஜன், சுகாதாரத்துறைச் செயலாளர் ஜெ.ராதாகிருஷ்ணன், தேசிய சுகாதாரத் திட்ட குழும இயக்குநர் தாரேஸ் அகமது, தமீழ்க் சுகாதாரத் திட்ட இயக்குநர் பி. உமா மகேஸ்வரி, பொது சுகாதாரம் மற்றும் நோய் தடுப்பு மருந்து துறை இயக்குநர் (டிபி எச்) க.குழந்தைசாமி, எம்.எஸ். மருத்துவமனை பேராசிரியர் அமித் குப்தா, ஐஐடி இயக்குநர் பாலகர் ராமமூர்த்தி உள்ளிட்ட பலர் கலந்து கொண்டனர்.

Date: 13th November 2017

Publication: Dinakaran

Edition: Online

Journalist: NA

Headline: IIT Madras introduces Flood Warning System; It's being introduced for the first time in India

URL: http://www.dinakaran.com/News_Detail.asp?Nid=350840

வெள்ள அபாயத்தை கணிக்க நவீன கருவி: இந்தியாவில் முதன்முறையாக சென்னையில் அறிமுகம்

சென்னை: மழை பெய்வதை கணிக்க முடியும். மழையால் எவ்வளவு தண்ணீர் கிடைக்கும் என்பதற்கான தொழில்நுட்பம் இல்லை. அதனை சாத்தியமாக்கும் முயற்சியில் ஈடுபட்டுள்ள சென்னை ஐஐடி நிறுவனத்தினர் 'ஃப்ளட் மானிடரிங் சென்சார்ஸ்' என்ற கருவியை வடிவமைத்துள்ளனர். அடையாறு, கூவம், கொசஸ்தலை ஆறுகளின் குறுக்கே கட்டப்பட்டுள்ள பாலங்களில் 6 இடங்களில் இந்த கருவி பொருத்தப்பட்டுள்ளது.

நாட்டிலேயே முதன்முறையாக சோதனை முறையில் அறிமுகப்படுத்தப்பட்டுள்ள இத்திட்டம் வெற்றியளிக்கும் பட்சத்தில் பெங்களூரு, மும்பை, கொல்கத்தா உள்ளிட்ட இதர நகரங்களுக்கும் விரிவுபடுத்த மத்திய அரசு திட்டமிட்டுள்ளது. 2015 டிசம்பரில் அடித்து நொறுக்கிய மழையால் சென்னை வெள்ளத்தில் மூழ்கியது. செம்பரம்பாக்கம் ஏரி முன்னறிவுப்பின்றி திறக்கப்பட்டதால் தாழ்வான பகுதியில் வசித்த மக்கள் தங்கள் வாழ்வாதாரங்களை இழந்தனர்.

அதுபோன்ற நிலையை தடுக்க இதுபோன்ற திட்டம் அவசியம் என்கின்றனர் மக்கள். திருவிக பாலம், சைதாபேட்டை, நேப்பியர் பாலம், அண்ணா நகர் பாலம், எண்ணூர் பாலம் ஆகிய இடங்களில் பொருத்தப்பட்டுள்ள சென்சார் கருவிகளையும் அவர்கள் ஆர்வத்துடன் பார்த்து செல்கின்றனர். மழையால் கிடைக்கும் தண்ணீரை அளக்க புதிய திட்டம் வழிவகுப்பது மகிழ்ச்சியே. கிடைக்கின்ற மழை நிரை சேமித்து வைக்க திட்டமின்றி கடலில் வீணாக கலப்பது தான் வேதனையின் உச்சம் ஆகும்.

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Page no.: 1

Journalist: Purnima Sah

Alumni/students: Hari Ramachandran, Pranjal Mehta, Arvind Pujari, Varun Sundar, Vishnu Harshit, Rohith Srinivaas, Iniyam Ram, Sai Venkat & Tanay Garg

Headline: This smart bin is poised to help solve the global issue of waste management

URL: <https://timesofindia.indiatimes.com/city/chennai/this-smart-bin-is-poised-to-help-solve-the-global-issue-of-waste-management/articleshow/61616385.cms>



This smart bin is poised to help solve the global issue of waste management

The students who developed the smart bin

Purnima.Sah@timesgroup.com

What if our dustbins at homes and workplaces could differentiate between the wet and dry waste, and push them into separate boxes, thus making it easier to segregate and recycle them?

Sounds like a dream, isn't it? Well, this has been made real by nine students from IIT Madras, who spent all their semesters in developing this. While Hari Ramachandran and Pranjal Mehta took care of the business part, Arvind Pujari, Varun Sundar, Vishnu Harshit, Rohith Srinivaas, Iniyam Ram, Sai Venkat and Tanay Garg monitored the technology aspect of their venture — Pikkollo — that works towards solving the global issue of recycling waste.

The students will pitch in their ideas related to the project at the national and international levels at the Hult Prize, a platform by The Bill Clinton Foundation, where startups from the universities receive seed investment. The regional competition was held at IIT Madras, where 10 teams participated to pitch in their ideas.

CONTINUED ON PAGE 4

WASTE RECYCLING IS MADE MUCH EASIER

CONTINUED FROM PAGE 1

Smart Bin aka Automatic Waste Segregator (AWS-ONE) looks like a box which has a base with four different segments — there is a motor and sensors on the top of it that does the work of identifying the type of waste and pushing it into one of the four blocks. "We have used hydrophobic coating on the robotic arms that pushes the waste into the bin, without which there are chances of liquid waste sticking onto it. We have placed sensors like capacitive sensors, resistive sensors, inductive proximity sensor and ultrasonic sensors, and there is a camera, too, on top of it," explains Pranjal.

All these sensors derive some type of data from the waste that are put in and provide some sort of reading. For exam-

ple, if it is a paper, it goes into one box, and if it is plastic, it goes into a specific box meant for plastic. For wet waste, there is another and for metal and glass waste, there is a different one.

"Once this selection is decided, the robotic arms that work on a motor push the waste into the respective sub-parts at the bottom of the container. The entire process of identifying the type of waste and pushing it to the respective segment takes less than 10 seconds," adds Hari.

The bin is made of low cost raw materials like plastic, wood and metals. "But when it hits the market, it will be a transparent bin. We would probably go for plastic which can be transparent, light weight and looks good aesthetically. We are working on it," says Pranjal. The current bin is about 96 cm tall and contains around nine litres of waste. The students are working on reducing the size, to 70 cm, that can hold around six to seven litres of waste. Presently, it works on electricity and the bin has to be connected to power all the time so that the motor can function. They are working on a design where it doesn't have to be connected to power always.

They have spent around ₹41,000 to develop this bin, which



has also been successfully run as a pilot project in the Kalakshetra Colony for two-and-a-half months. "Last April, we won ₹30,000 by participating in a startup boot camp in our college.

We used that money to build this. Arvind and Varun spent around ₹15,000 to develop the technology. The parts and other raw materials have been sourced from the local market," shares Hari.

Last year, Hari and Pranjal tried their hands at various things to come up with a solution to segregate waste. It all started with collecting newspapers from the hostels in their college. They realised how unorganised the scrapdealers work were. They also happened to meet other members from the team, who held the same interest.

When they started working in the Kalakshetra Colony to convince people to try their bin, they were not taken seriously. "People would say it doesn't matter to them as they were anyway throwing the trash outside their house. But we were lucky enough to meet a few people who were already doing their bit in waste segregation," recalls Pranjal. Now, they plan to work with Self-Help Groups (SHG) that can help them sell the waste to the rag pickers, who in turn, will deliver it to the recyclers. "We wish to reach every home and empower each individual. After college, we would definitely take it as a full-time work," they smile.

WE WANTED
TO COME UP
WITH A SOLUTION
TO SEGREGATE
WASTE. NOW, WE
HOPE TO REACH
EVERY HOME AND
EMPOWER PEOPLE

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Journalist: Sudhakar

Professor: Prof. V. Kamakoti

Headline: Will Artificial Intelligence cost jobs...?

URL: <https://www.vikatan.com/nanayamvikatan/2017-dec-03/recent-news/136391-as-robots-rise-how-artificial-intelligence.html>



“**யா**ர் ஏ.ஐ-ல் வலிமையாக நுக்கிறார்களோ, அவர்களின் கீழ்தான் ந்த உலகமே இருக்கும்”- வல்லரசுக்கான லக்ஷணத்தை இப்படி மாற்றிச் சொல்கிறார் ஷ்ய அதிபர் வினாடிமிர் புடின். இதற்கு நம்மறாக, “மனித இனத்தின் முன் இருக்கும் கப் பெரிய ஆபத்துகளில் ஒன்று ஏ.ஐ.” ன எச்சரிக்கிறார் இலான் மஸ்க்.

இவர்கள் இப்படிப் பேசிக்கொண்டிருக்க ன்னொருபுறமோ, ஏ.ஐ-க்காக புதிய மைச்சகத்தையே உருவாக்கிவிட்டது புதி அரேபியா.

‘செயற்கை நுண்ணறிவு (AI - Artificial elligence)’ என்னும் தொழில்நுட்பத்தால் ிதகுலத்துக்கு என்ன நன்மை என்பது ள்ளிட்ட பல கேள்விகளுக்கு விடை காண சன்னை ஐ.ஐ.டி கணினி அறிவியல் துறை றாசிரியர் காமகோடி வீழிநாதனைச் தித்தோம்.

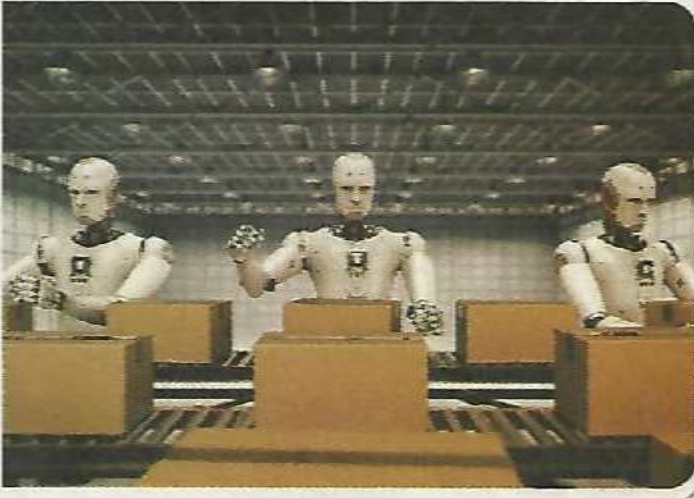
இவர் பேராசிரியர் மட்டுமல்ல, செயற்கை ண்ணறிவை, பொருளாதார மேம்பாடு நக்காகப் பயன்படுத்துவது எப்படி ன்பது குறித்த ஆலோசனைகள் மற்றும் ிந்துரைகள் வழங்க இந்திய அரசால் மைக்கப்பட்டுள்ள செயற்குழுவின் லைவரும் கூட. இந்த ஆண்டின் இறுதியில் ந்தச் செயற்குழு, தனது அறிக்கையை

அரசிடம் சமர்ப்பிக்க உள்ளது. இனி அவர் நமக்கு அளித்த செய்தி...

“இன்றையச் சூழலில் செயற்கை நுண்ணறிவுக்கான அவசியம் என்ன?”

“அறிவியல் வளர்ச்சி ஆர்ப்பிடிக்கிற வியல் இன்டலிஜென்ஸை நம் வாழ்க்கையில் பல்வேறு துறைகளில் கொண்டு வந்திருக்கிறது. உதாரணமாக, ஒரு பால் தொழிற்சாலையில் ஒரு லட்சம் லிட்டர் நெய்யைக்கூட நம்மால்





வெகு காலமாகத் தயாரிக்க முடியும். அதுவும் உயர்ந்த தரத்தில். ஆட்டோமேஷன்தான் இதற்குக் காரணம். சில ஆயிரம் பேருக்கு மட்டுமே உற்பத்தி செய்துகொண்டிருந்த பொருள்களை, பல லட்சம் பேருக்கு உற்பத்தி செய்ய வேண்டுமெனில், அதிக மனித உழைப்புத் தேவை. ஆனால், ஆட்டோமேஷன் இருந்தால், அந்தச் சிக்கல் இல்லை.

வங்கியில் காசோலை ஒன்றை கிளியர் செய்ய பல பேருடைய உழைப்பு தேவைப்படுகிறது. சிலநூறு காசோலை என்றால் பிரச்சனையில்லை. ஆனால், தற்போது லட்சக் கணக்கான காசோலைகள் கிளியர் செய்யப்படுவதற்காக வங்கிகளில் குவிக்கின்றன. அத்தனை காசோலைகளையும் சோதிக்க, மனிதர்கள் தேவை என்றால் வங்கிகளின் நிலை என்னாவது? இந்த இடத்தில்தான் ஆர்ட்டிஃபிஷியல் இன்டலிஜென்ஸின் தேவை உருவாகிறது. ஒரு காசோலை இப்படித்தான் இருக்க வேண்டும், அதில் இந்தப் பிரச்சனையெல்லாம் இருக்கக்கூடாது என்பது போன்ற விதிமுறைகளை எழுதி ஒரு சிஸ்டத்தை தயார் செய்து விட்டால், ஒரே நாளில் லட்சக்கணக்கான காசோலைகளை எளிதாக கிளியர் செய்ய முடியும். இப்படித்தான் ஏ.ஐ ஒவ்வொரு துறையிலும் உள்ளே நுழைகிறது."

"செயற்கை நுண்ணறிவு அச்சுறுத்தும் ஒன்றா?"

"அச்சுறுத்தும் விதமாக இதில் எதுவும் இல்லை. கணினி, இன்டர்நெட் போன்றவையெல்லாம் புதிதாக உலகில்

குதித்த தொழில்நுட்பங்கள் தான். அவை நம் உலகத்தை நிறையவே மாற்றின. ஆனால், ஆர்ட்டிஃபிஷியல் இன்டலிஜென்ஸ் என்பது புதிதாக உருவானதல்ல. பல காலமாக நம்முடன் இருப்பது. முதலில் இருந்த இன்டலிஜென்ஸ்க்கும், தற்போது இருக்கும் இன்டலிஜென்ஸ்க்கும் இடையே இருக்கும் முக்கியமான வேறுபாடு, பிக்டேட்டா. இதற்குமுன் இருந்த இன்டலிஜென்ஸ் தொழில்நுட்பம், மனிதர்களின் கட்டளைகள் மூலமாக மட்டுமே இயங்கின. ஆனால், தற்போதைய இன்டலிஜென்ஸ் தொழில்நுட்பங்கள், அந்தந்தத் துறையில் உருவாகும் டேட்டா மூலமாக இயங்கிவருகிறது. டேட்டா அளவை மூலமாக இன்டலிஜென்ஸைப் பயன்படுத்துவது கடந்த நான்கைந்து ஆண்டுகளாகவே இருக்கிறது. ஏனெனில், அதற்கான தொழில்நுட்பங்கள் நிறைய வளர்ந்துவிட்டன. எனவே, முன்பு இருந்ததைவிடவும் தற்போது ஆர்ட்டிஃபிஷியல் இன்டலிஜென்ஸை இன்னும் முழுமையாக நம்மால் பயன்படுத்த முடியும்."

"இந்திய அரசு அமைத்துள்ள செயற்கு முவின் பணிகள் என்னென்ன?"

"ஏ.ஐ-யைக்கொண்டு செயல்படும் விதத்தில் ஒரு நிறுவனம் நம் நாட்டுக்கு வருகிறது என்றால், அந்த நிறுவனத்துக்கு அரசு செய்ய வேண்டிய உதவிகள், ஏ.ஐ

துறையில் பணி புரியும் பணியாளர்களை உருவாக்க எடுக்கப்படும் முயற்சிகள், கல்வி நிறுவனங்களில் இதற்காகக் செய்ய வேண்டிய மாற்றங்கள், உள்கட்டமைப்பு வசதிகள், அரசு எடுக்க வேண்டிய நடவடிக்கைகள் போன்ற அனைத்தையும் விவாதித்து அரசுக்குப் பரிந்துரைகளை வழங்குவதுதான் எங்கள் பணி. நாட்டின் பாதுகாப்பு, உள்கட்டமைப்பு, மனிதவளம், சட்டம், வணிகம் என ஒவ்வொரு பிரிவிலும் பரிந்துரைகள் வழங்க விருக்கிறோம்.”

“ ந ம் ந ா ட் டி ன் பெ ரு ள ா த ா ர த் து க் கு செயற் கை து ண் ண றி வு எப் படிப் பயன்படும்?

“ஏ.ஐ மூலம் அனைத்துத் துறைகளிலும் குறைந்தது 20% வளர்ச்சி இருக்கும். வருங்காலத்தில் உலகளாவிய போட்டியில் நிலைத்து நிற்க ஏ.ஐ நமக்கு அவசியம். நாம் தயாரிக்கும் ஒரு பொருளை வெளிநாடுகள் ஏ.ஐ தொழில்நுட்பத்தைப் பயன்படுத்தி, நம்மைவிட குறைந்த விலையில் கூடுதல் தரத்துடன் செய்து தர முடியும். நம்மால் அந்தத் தரத்துடன், குறைந்த விலையில் செய்து தர முடியவில்லையெனில், அந்த வணிகத்தில் நாம் பின்தங்கிவிடுவோம். எனவே, உலக நாடுகளுக்கு இணையாக இந்தப் பந்தயத்தில் நாம் ஓடியாக வேண்டிய கட்டாயத்தில் இருக்கிறோம்.”

“இதனால் மனிதர்களின் வேலை பறிபோகுமா?”

“இன்று ஏ.டி.எம் வந்ததால், வங்கிப் பணியாளர்களுக்கு



ஐ.டி துறை திடீரென பல லட்சம் வேலை வாய்ப்புகளை எப்படி உருவாக்கியதோ, அதுபோல ஏ.ஐ-யும் வேலை வாய்ப்புகளை உருவாக்கும்.

வேலை குறைந்துவிட்டதா, இல்லையே. திடீரென நான்கு நான்கள் வங்கிகளுக்கு விடுமுறை வருகிறது. அந்த சமயத்தில் இந்தப் பணியை ஏ.ஐ-யிடம் விட்டுவிட்டால், கடந்த காலத்தின் எல்லா டேட்டாக்களையும் அனலைஸ் செய்து ‘இவ்வளவு பணம் வைக்கலாம்’ எனக் கணித்துச் சொல்லிவிடும். இதன்மூலம் வங்கிகள் மற்றும் வாடிக்கையாளர்களுக்கு நல்லதுதான் நடக்கும்.

எப்படி ஐ.டி துறை திடீரென பல லட்சம் வேலை வாய்ப்புகளை உருவாக்கியதோ, அதுபோல ஏ.ஐ-யும் வேலை வாய்ப்புகளை உருவாக்கும். இது பணியாளர்களுக்கு எதிரியாக செயல்படும் ஒரு தொழில்நுட்பமல்ல; ஏற்கெனவே செய்துவரும் பணிகளை இன்னும் மேம்படுத்த உதவும் ஒரு தொழில்நுட்பமே. எனவே, வேலைவாய்ப்புகள் பறிபோய் விடும் என கவலைப்படத் தேவையில்லை. மக்கள் இந்தத் தொழில்நுட்பத்தை ஏற்றுக் கொண்டால் மட்டுமே, விரைவான வளர்ச்சி சாத்தியம். ஆர்டிஃபிஷியல் இன்டலிஜென்ஸ் என்பது காலத்தின் தேவையல்ல; காலத்தின் கட்டாயம்” என்று முடித்தார் காமகோடி.

ஏ.ஐ-யினால் நம் நாட்டில் வேலைவாய்ப்பு பெருகினால் சரிதான்!

- ஞா.சுதாகர் படம்: மீதிவேதன்

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ஏழைகளுக்கு, 'ரெடிமேட்' வீடுகள்

ஐ.ஐ.டி., களமிறக்கம்

- நமது நிருபர் -

தமிழகத்தில் ஏழை மக்களுக்கு, குறைந்த செலவில் வீடுகள் கட்டி கொடுப்பதற்காக, மாற்று கட்டுமான தொழில் நுட்பங்களை பெற, சென்னை, ஐ.ஐ.டி.,யின் குடிசை மாற்று வாரியம் கைகொர்க்க உள்ளது.

மத்திய அரசு அறிவித்துள்ள, அனைவருக்கும் வீடு திட்டத்தை, தமிழகத்தில் செயல்படுத்தும் பொறுப்பு, குடிசை மாற்று வாரியத்திடம், ஒப்படைக்கப்பட்டு உள்ளது.

செலவு குறைப்பு

இதன்படி, பிரதமரின் வீட்டுவசதி திட்டத்தின் படி, ஏழை மக்களுக்கு இலவசமாக வீடுகள் வழங்கும் திட்டத்தையும், வாரியம் செயல்படுத்துகிறது.

இதற்காக, நிலங்களை தேர்வு செய்வது, கட்டுமான தொழில்நுட்பங்களை முடிவு செய்வதற்கான நடவடிக்கைகள் துவங்கப்பட்டு உள்ளன.

கூட்டங்கள் கட்டுவதில் ஏற்படும் கூடுதல் செலவை குறைப்பதற்காக, மாற்று தொழில்நுட்ப



குடிசை மாற்று வாரிய புவிய திட்டங்களில், தொழில்நுட்ப ஆலோசனை அமைப்பாக, ஐ.ஐ.டி.,யை சேர்க்க, அரசின் உயர் அதிகார குழு கூட்டத்தில், அனுமதி பெறப்பட்டுள்ளது.

கட்டுமான தொழில்நுட்பம் தொடர்பான ஆராய்ச்சி பிரிவில், 'ஜிபிசம்' எனக் குகளை பயன்படுத்தி, குறைந்த செலவில் வீடுகள் கட்டும் தொழில்நுட்பம் உருவாக்கப்பட்டுள்ளது.

பலகட்ட சோதனைகளுக்குப் பின், இந்த தொழில்நுட்பம் வெற்றி பெற்றுள்ளது.

அனுமதி

எனவே, பிரதமரின் வீட்டுவசதி திட்டத்தில் கட்டப்படும் வீடுகளுக்கு, இந்த தொழில்நுட்பத்தை பயன்படுத்த முடிவு செய்துள்ளோம்.

இதற்காக, சென்னை, ஐ.ஐ.டி.,யிடம் தொழில்நுட்ப ஆலோசனைகள் பெற உள்ளோம். குடிசை மாற்று வாரிய புவிய திட்டங்களில், தொழில்நுட்ப ஆலோசனை அமைப்பாக, ஐ.ஐ.டி.,யை சேர்க்க, அரசின் உயர் அதிகார குழு கூட்டத்தில், அனுமதி பெறப்பட்டுள்ளது.

இது குறித்த அறிவிப்பு விரைவில் வெளியிடப்படும்.

இவ்வாறு அவர் கூறினார்.

பங்களை பயன்படுத்த, மத்திய அரசு அறிவுறுத்தி உள்ளது.

தமிழகத்தில் இதற்காக மாற்று கட்டுமான தொழில்நுட்பங்களை பரிந்துரைக்கும் அமைப்பாக, சென்னை, ஐ.ஐ.டி.,யின் கட்டுமான தொழில்நுட்ப பிரிவை, மத்திய அரசு பரிந்துரைத்துள்ளது.

இது குறித்து, குடிசை மாற்று வாரிய உயர் அதிகாரி ஒருவர் கூறியதாவது: சென்னை, ஐ.ஐ.டி.,

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Journalist: Smitha TK

Professor: Prof. Balaji Narasimhan

Headline: Two Years Since Chennai Floods, a Forecast System Is on Its Way

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Two Years Since Chennai Floods, a Forecast System Is on Its Way

Critical patients on stretchers being rowed down in boats; good samaritans wading through neck-deep waters to save trapped animals; looking up at the sky and hoping for a helicopter to drop a few packets of food... such images of the 2015 Chennai floods are still fresh in the minds of people.

Nobody wants to even risk the chance of a repeat episode. So a group of scientists from IIT Madras, IIT Bombay and Anna University are developing a flood forecast system by which you would be able to issue a flood warning well in advance.

The Principal Scientific Advisor to the Government of India had pitched the idea to devise a system to forecast floods, and after 2015 the study area was decided as Chennai and neighbouring suburbs.

The institutions were roped in with the help of the Ministry of Health and Family Welfare, State Public Works Department, Chennai City Corporation, India Meteorological Department and other central agencies.



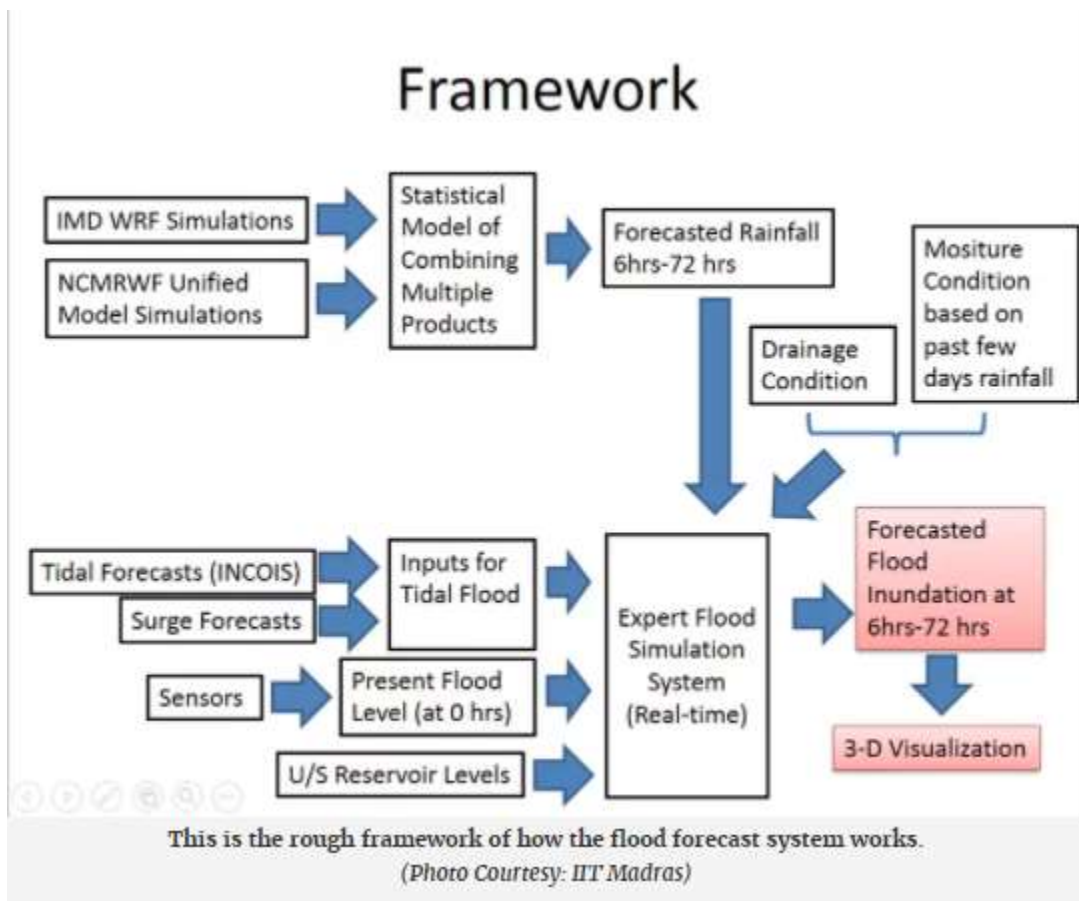
So How Does It Work?

First, in order to measure the amount of precipitation over a set period of time, it is necessary to install rain gauges which double up as automatic weather stations. They have been installed at 15 places in and

around Chennai, like Arakkonam, Kaveripakkam, Vandalur and Poonamallee, which have good GSM network and security. These gauges collect all weather parameters such as temperature, wind speed, relative humidity, to help study the extent of rainfall better.

Second, to evaluate the type of soil in every riverine area and how it reacts to rainfall. For example, the Adyar area has clayey soil, while Couum and Kosathalaityar is sandy.

Third, water level loggers or sensors have been placed in over 15 locations such as Okkiyam, Pallikaranai, Adyar, Couum, and Kosathalaiyar. These essentially measure the level of water flowing in the nearby reservoir.



So Can We Prevent Floods?

Prevent? No. Predict and take precautions? YES.

With the rain forecast provided by the IMD and the data the team collects through the system installed, IIT Madras vouches that once the system is in place completely, they can warn at least 72 hours before a flood hits the city.

The information will be shared with the State Disaster Mitigation agency and agencies can be alerted for people to be evacuated.

We want at least version one operational and running by southwest monsoon 2018 starts next July. The summer showers won't cause any flooding, but we will have something to test out and fine tune our model. But yes, we can predict floods!

- Balaji Narasimhan, Associate Professor, Department of Civil Engineering, IIT Madras



(Photo Courtesy: IIT Madras)

So Could we Have Averted the 2015 Disaster?

Well, Professor Balaji says a resounding no. The intensity of the rains were such that the floods would anyway have struck the city. But what could've been done to minimise the damage was to spruce up the archaic British laid sewage and water management system and put in a little more thought into urban planning.

Also, when weather forecaster Ramanan says you can expect moderate or heavy rainfall, there is no system to translate that into a forecast for flood alert.

- Balaji Narasimhan

The IIT Madras professor also dismissed the misconception that opening the gates of the Chembrambakkam lake had played havoc during the floods.

If you think Chembrambakkam had released 29,000 cubic feet per second at the maximum, three times that amount of water came from Tambaram, Mudichur and others due to the breaches in the tanks. Meanwhile, our estimate is that 1.3 lakh cusecs passed through Adyar. So if you compare, you will realise even without Chembrambakkam water release, we would've been flooded anyway.

- Balaji Narasimhan

Flood and Drought Are Two Sides of the Same Coin

Tamil Nadu, a state which is largely dependant on agriculture, has been affected year-after-year by the droughts. Crops have failed, farmers have committed suicide and there is always a long queue of buckets and pots near the water lorries and tanks. We are largely dependant on 2 months of rains, for 10 months of water needs.

Professor Balaji claims that if you look at the aerial images of the flooded zones, you can retrace the extent of water bodies that were there initially, before man built his concrete jungles.

If you take care of water bodies, they will recharge the bodies and you will be able to tide over the drought season.

So is the State Doing Enough to Prepare for Floods?

Well, this year too, even after a short spell of rains roads were inundated and streets waterlogged. The civic body has still not levelled and desilted all roads so that water can percolate more easily and encroachments checked and cleared.

But sources say they have learnt their lesson.

The Tamil Nadu Urban Infrastructure Financial Services is working on a flood forecast system on a much larger scale, with hundreds of sensors spread out in vital areas in and around the city.

Hopefully, there won't be another 2015-like episode. And even if such a disaster strikes, at least all Chennaiites will be on some higher ground watching all the action and not be washed away in it.

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Journalist: T.V. Jayan

Professor: Prof. Prathap Haridoss

Alumni/student: Hindumathi R

Headline: IIT-M develops nano-cocoons

URL: <http://www.thehindubusinessline.com/news/science/iitm-develops-nanococoons/article9976816.ece>

IIT-M develops nano-cocoons

Tiny biomaterials hold much promise as a drug-delivery mechanism

TV JAYAN

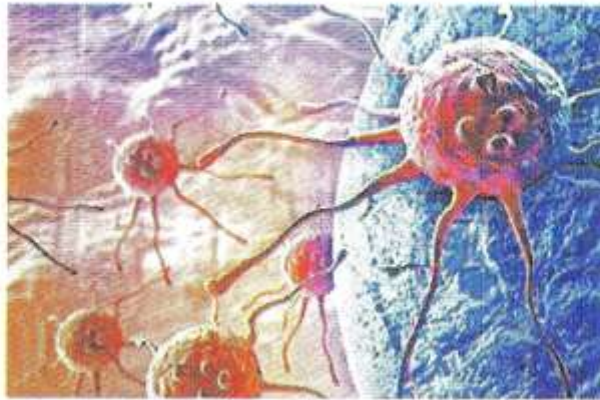
New Delhi, November 29

Indian scientists have designed ultra-small cocoons that can serve as a potential drug delivery system in future using a commercially available polymer and tiny carbon fibres that are thinner than human hair as ingredients.

These oval-shaped nano-cocoons, as small as 100 to 200 nanometres in size (one nanometre is one-billionth of a metre), developed by researchers from the Indian Institute of Technology (IIT) Madras are found to be structurally stable effective in carrying drug molecules. Also contributing to the research published last week in the journal, *Nano-Structures & Nano-Objects*, were their counterparts from the Sree Chitra Tirunal Institute of Medical Science and Technology in Thiruvananthapuram.

Ingredients

The scientists used bio-compatible polymer, polyethylene glycol (PEG), used not just in healthcare and cosmetics but also as coating and paint ma-



Has turmeric ingredients with anti-cancerous properties to deliver them inside lab-bred brain cancer tissues

terial, and multi-walled carbon nanotubes to these nano biomaterials, which are structurally similar to silk cocoons, but much smaller in size.

"This is an interesting material. Firstly, PEG is a tried and tested material that finds applications in many areas. More importantly, it accommodates carbon nanotubes as it encapsulates them," said Prathap Haridoss, professor of metallurgical and materials engineering at IIT, who led the study.

The scientists could not only insert curcumin, the active ingredient of turmeric that is found to have anti-cancerous properties, in these nano-cocoons, but also deliver them inside lab-bred brain cancer tissues.

"When we tried to deliver curcumin molecules of similar size directly into the tissue, they failed to do so. Instead, they aggregated outside the tissue. But when these nano-cocoons were used as a vehicle, they were internalised by the tissue," said Hindumathi R, a graduate student of Haridoss and the first author of the study.

She was quick to add that there was much more to be done before finding out whether they could be used in real life conditions. Apart from exploring the optimum drug loading and drug release, there is the need to find out whether these cocoons are suitable for targeting different cells in the human body, she said.

Significantly, the procedure followed by the scientists in synthesising the bio-materials also reduce toxicity known to be associated with carbon nanotubes.

A toxic-free process

A recent study by a team of researchers in the UK reported that carbon nanotubes, hailed as a wonder material that could revolutionise a range of fields including electronics, could pose cancer risk very similar to asbestos.

According to Haridoss, the method adopted by the scientists cleaved carbon nanotubes into much smaller sizes in which they are less or toxic-free. "Carbon nanotubes of 100 to 200 nanometre long are known to be safe for biomedical use," said Hindumathi.

The scientists carried out toxicity studies with the help of their counterparts from the Thiruvananthapuram-based institute.

As the next step, the scientists said, they intend to study whether these tiny biomaterials can cross the blood-brain barrier so as to deliver drugs to brain tumour sites.

Haridoss was also hopeful that the structural integrity of these novel biomaterial may find applications in other areas where carbon nanotubes will find application.

**IIT Madras is an innovation and
entrepreneurship hub**

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Journalist: NA

Headline: General- Indian Institute of Technology, Madras

Indian Institute of Technology, Madras: TIE-IITM Thought Leadership Forum at TIECON Chennai 2017 and release of 9th annual and the 2017 India Venture Capital Private Equity Report, ITC Grand Chola, 4 p.m.

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Journalist: Sangeetha Kandavel

Professor: Prof. Thillai Rajan

Headline: State governments come up with dedicated policies for start-ups

URL: <http://www.thehindu.com/news/national/tamil-nadu/state-governments-come-up-with-dedicated-policies-for-start-ups/article20243194.ece>

State governments come up with dedicated policies for start-ups

At entrepreneurs meet, many demand policy from Tamil Nadu government

SANGEETHA KANDAVEL
CHENNAI

Entrepreneurs from across Tamil Nadu have urged the State government to evolve a start-up policy of its own soon. For its part, the Tamil Nadu government has been talking about formulating a start-up policy to encourage entrepreneurship with a special focus on tier-2 towns and rural pockets. In the last three years, officials have discussed this in several forums and said, "the policy is ready" but it has not been unveiled yet.

"Hiring in the IT sector looks bleak and more entrepreneurs are emerging from various pockets of Tamil Nadu. It's time the government of Tamil Nadu comes out with a policy and guidelines that cater to start-ups," said one of the entrepreneurs participating in TIECON 2017.

According to a presentation made at TIECON Chennai 2017 on 'India Venture Capital and Private Equity Report 2017' by Thillai Rajan of the Department of Management Studies, IIT-Madras, various State governments have begun to focus on having a start-up policy over the last two years. Out of the 29 States in India, 22 formally

Gaining momentum

In India, the State governments' focus on start-ups has significantly increased since 2015

- In the last three years, 22 States formally came out with policies targeted at start-ups
- Since 2016, at least 10 PSUs have launched their start-up support programmes
- The aggregate initial outlay of all PSUs for start-up funding is around ₹400 crore
- By year-end, the Council of Scientific and Industrial Research to support around 100 incubatees in five labs
- At least 30 Public Sector Financial Institutions have contributed to the corpus of VC funds

• Current value of investments by PSFIs in various venture funds has been in excess of ₹7,000 crore



came out with start-up policies in the last three years.

Cumulatively, the State governments' policies envisage creation of incubation space of 5.1 million square feet, 48,000 start-ups, and investment of close to ₹34,000 crore of venture funding by 2022.

In his report that focuses on "The State and the Start-

Up: Analysis of government policies and support for start-ups", Prof. Rajan points out that start-ups and entrepreneurship has caught the imagination as well as the attention of policy-makers today. "As the 'Start-up India, Stand-up India' campaign gains momentum, ministries of the national government, various State governments, and several or-

ganisations of the government have begun to take serious steps to create a favourable ecosystem for the development of start-ups," he said.

Support from PSUs

Prof. Rajan told *The Hindu* that there was a significant rise in start-up programs by Public Sector Undertakings (PSU) and the Council of Scientific and Industrial Research (CSIR) Labs. Since 2016, at least 10 PSUs have launched their start-up support programs.

The aggregate initial outlay of all the PSUs for start-up funding is around ₹400 crore. CSIR expects to support, by the end of 2017, around 100 incubatees in five of its laboratories. The PSUs and CSIR labs are supporting start-ups in those sectors that are either capital-intensive or very niche, and therefore not too many ventures have come up.

Data mined by Prof. Rajan shows that at least 30 Public Sector Financial Institutions (PSFIs) have contributed to the corpus of Venture Capital funds.

The current value of investments by PSFIs in various venture funds has been in excess of ₹7,000 crore.

Headline: TN startup policy lags behind

URL: <https://timesofindia.indiatimes.com/city/chennai/tamil-nadu-lags-behind-in-startup-policy-iit-madras/articleshow/61612066.cms>

TN startup policy lags behind

'IT Needs Push From State Govt'

Ranjani Ayyar
@timesgroup.com

Chennai: While four out of five southern states have a strong startup policy in place, Tamil Nadu lags behind when it comes to supporting startups, a research report has said.

The 9th India Venture Capital and Private Equity Report, released by IIT-Madras on Saturday, looked at government policies and startups and revealed that there had been a significant push from state governments and the Centre towards encouraging startups in the last few years.

The report assessed state policies on nine parameters, including objectives, sector coverage, reforms, infrastructure, funds, incentives, promo-



Tamil Nadu government is in the process of unveiling a new IT policy, which is expected to give a leg up to the IT sector. Industry sources expect the new IT policy to have a dedicated section for startups

tions, industry links and university links. While Karnataka, Kerala, Andhra Pradesh and Telangana have scored very high on multiple parameters, the only area where Tamil Nadu has shown its prowess (scored 'very high') is with industry linkages. "For highly industrialised states like Gujarat and Tamil Nadu, the focus continues to be on traditional and SME sectors with Startups remaining in the rain shadow region," the report said.

Tamil Nadu government is in the process of unveiling a new IT policy, which is expected to give a leg up to the IT sec-

tor. Industry sources expect the new IT policy to have a dedicated section for startups.

While state governments have had industrial policies for long, the focus on startups picked up considerably only in 2015. The four states released their Startup policy in 2015, another 14 states did so in 2016. Four other states released their startup policies in 2017. Thus, 22 out of 29 states have formally come out with policies for startups, the report says, giving an indication of the momentum in policy shift towards Startups. "Cumulatively, the state government policies envisage creation of

incubation space of 5.1 million square feet, 48,000 start-ups, and investment of close to Rs34,000 crore of venture funding by 2022," said professor Thillai Rajan, department of management studies, IIT-Madras. Indicating that the policy environment and ecosystem for startups have been supportive in recent years, the report finds that at least 14 ministries and departments of the central government had formulated policies and schemes for startups, including ministries of textiles, rural development and science and tech.

"This year's report highlights several unique features of public sector funding and governmental regulatory support for ventures. Very importantly, it illustrates how startup promotion as public policy can be truly transformative for entrepreneurs, innovation, investors and most importantly, for society as a whole," said Gopal Srinivasan, chairman, TVS Capital and chairman of India Private Equity and Venture Capital Association.

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Journalist: Rajesh Parishwad

Professor: Prof. T. Pradeep

Headline: India's science start-ups

URL: <https://www.chemistryworld.com/news/indias-science-start-ups/3008269.article>

India's science start-ups

acknowledged by government programmes, Indian entrepreneurs are overcoming cultural and infrastructure barriers to commercialise their research

Thalappil Pradeep from the Indian Institute of Technology in Madras is on his second start-up: InnoDI Water Technologies. Based on a desalination technology, the company is addressing drinking water purity problems in India, especially along the coastal belt. Its product uses a simple and inexpensive cellulose-derived and stacked carbon fibre network to treat brackish water of up to 2500ppm TDS (total dissolved solids) and make it potable.

Over the next six months, the company will be installing units across India to deliver drinking water at a cost of 6–12 paise (0.07–0.1 pence) per litre, depending on the volume. Pradeep's first company – InnoNano Research – also focused on water purification, using nanocomposite materials that filter out arsenic from water. Over 900 of these water filter units, called Amrit (meaning nectar in Sanskrit), have been installed across the country.

In what is considered a first in India, the company received funding of £13.5 million from the US-based energy and water investment firm NanoHoldings. The company aspires to be an exporter of water technologies and plans to set up a manufacturing facility, a research laboratory, and technology delivery offices across North America, Asia and Africa. Pradeep represents a growing trend for Indian academics to become entrepreneurs, breaking away from traditional academic priorities.

Choosing start-ups over publishing

'To climb up the ladder and for awards, rewards and recognition in India, one must publish. Technology, industry, etc are viewed as add-ons,' says Pradeep. 'Often, they are seen as something pursued by those who are less competent. It is hard to make even one rupee from the market. If that rupee is made on one's own technology, it is even harder. I'm glad that I could publish and translate my findings somewhat successfully. More have to take that path.'

In Bengaluru, a chance meeting between organic chemist Thimmaiah Govindaraju and physicist Meher Prakash at the Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) gave birth to a medical diagnostic spin-off.

Prakash recalls: 'I was given a temporary office very close to [Govindaraju], so we happened to meet each other. After each casual discussion, my curiosity and excitement about his research only increased. A few

of his inventions, I realised, were not just “better, faster, cheaper”, but unique solutions, with immense business potential.’ Prakash’s prior experience, albeit less successful, with a start-up in Switzerland, helped him to develop a thorough business strategy. VNIR Biotechnologies was born.

There is a step change in the mindset of young researchers in India today. They want to commercialise their research, which can benefit society

SWAMINATHAN SIVARAM

The company manufactures near-infrared fluorescence molecular probes for imaging, helping researchers to study Alzheimer’s disease, malaria and diabetic kidney failure. ‘Our diagnostic tool for Alzheimer’s can predict the onset of disease years before any other method. And there is no confusion with other types of dementia. Our molecular probes are non-toxic and make live cell imaging viable,’ explains Govindaraju, who has postdoctoral experience at the University of Wisconsin-Madison, US, and the Max Planck Institute of Molecular Physiology, Germany.

Putting science to use

There are no official figures on the subject, but according to various estimates there are close to 500 start-ups in India that have emerged from indigenous science research. Cities like Bengaluru, Pune, Chennai and Hyderabad are at the forefront.

This spate of scientific enterprises is driven by various factors. Like Prakash and Govindaraju, many Indian researchers train abroad in the US and Europe, where they are exposed to the culture of academic spin-outs, which they want to duplicate back home. Moreover, the increasingly affluent Indian middle class is making entrepreneurial careers more acceptable in a largely risk-averse society that sees salaried roles – such as those in traditional academia – as ‘secure’ professions.

‘There is a step change in the mindset of young researchers in India today. They want to commercialise their research, which can benefit society at large,’ observes Swaminathan Sivaram, former director of the National Chemical Laboratory (NCL) – one of the largest chemistry research organisations in India.

‘Over the last few years, the ecosystem for researchers aspiring to do translational research in India has really improved. It has become more feasible,’ points out Praveen Kumar Vemula from the Institute for Stem Cell Biology and Regenerative Medicine in Bengaluru. Vemula, who is part of two start-ups based in Paris, France, and Boston, US, focusing on skin disorders and inflammatory diseases respectively, plans to start another in India soon.

Government funding surge

This ambition for translational research has been backed up by political will, and support from India’s departments of biotechnology (DBT) and Science and Technology (DST), in the form of early stage funding for scientific start-ups. There has also been growth in government-run ancillary organisations and programmes that support entrepreneurship, such as Atal Innovation Mission, and alternative funding sources like Start-Up India.

The Biotechnology Industry Research Assistance Council (BIRAC), a not-for-profit organisation set up by the DBT, has supported several hundred biotech companies, start-ups and entrepreneurs since its inception in 2012. The DST has established Technical Research Centres with generous grant funding at leading universities, to encourage their faculty members to commercialise their research. One of the centres at JNCASR has attracted proposals from 14 faculty members and intends to provide around INR80 million (£930,000) – in grants of around INR4–6 million each – over the next five years.

Government-sponsored incubation centres have also played a significant role. Pune-based Venture Center, set up in 2006, is one of the country's largest incubators for scientific enterprise. It hosts around 45 start-ups and is mentoring several others, spanning energy, medical diagnostics, water and materials science sectors. The companies at Venture Center have so far raised over INR5.5 billion through a mixture of winning grants, selling shares and being bought outright. This represents almost 10 times their supporting investment from the government.

For the first time, I'm seeing some interesting companies and we want to participate in their growth story. There are some gems that are world class

NITIN DESHMUKH, VENTURE CAPITALIST

The Centre for Cellular and Molecular Platforms (C-CAMP), a DBT initiative and a part of the Bengaluru LifeScience Cluster, focuses on biosciences entrepreneurship and offers grant funding and mentoring to support over 80 start-ups at different stages. These cover sectors such as agriculture, pharmaceuticals, biopharmaceuticals, nutraceuticals, synthetic biology and medical diagnostics.

Investor conservatism

Government support has been essential, since Indian start-ups have yet established a fully-fledged start-up ecosystem. There have been very few big buyouts or stock market flotations, which are attractive routes for venture capitalists (VCs) to 'exit' their investments and collect the associated profits. This low exit rate makes VCs cautious about investing further in new companies.

Yet Taslimarif Saiyed, chief executive of C-CAMP, says measuring success through exits is not applicable in the Indian context. By other indicators, the sector is quite healthy: 'Less than 10% of the companies here have [failed], which is a good number, considering there is a high rate of attrition elsewhere in the start-up space. As many as seven products have been developed and released in the market,' he points out.

Indian industry has also been playing a waiting game, with just a few instances of technology transfer or licensing. For example, Bengaluru-based Mesha Energy, set up by two entrepreneurs from the US, commercialised hybrid ultracapacitors, developed by Ashok Kumar Shukla at the Indian Institute of Science (IISc), Bengaluru. And one of C-CAMP's incubated companies – Sea6 Energy, which uses seaweed to produce ethanol, has managed to raise funds from Tata Capital and partner with Mahindra Agri-Business group for their products. According to Taslimarif, the valuation of start-ups at C-CAMP is estimated at around INR10 billion (£116 million).

Nitin Deshmukh, chief executive of private equity firm Kotak Investment Advisors, is excited about the emerging crop of science start-ups in India. Kotak was one of the few VCs that invested in fledgling Indian life science companies in the last decade. 'For the first time, I'm seeing some interesting companies and we want to participate in their growth story. There are some gems in the BIRAC supported start-ups that are world class,' says Deshmukh.

Marrying academia with start-ups

Overall, though, the picture is still of a sector in its infancy, struggling to establish itself and with many obstacles still to overcome. Some of the biggest challenges in setting up and growing scientific start-ups in India include establishing a robust mechanism for technology transfer, nurturing a mindset of faculty entrepreneurship and establishing research collaborations with publicly funded research institutions.

In the next decade or two, we could see an enormous amount of translational research. We have huge opportunities to grow

PRAVEEN KUMAR VEMULA, ENTREPRENEUR

For example, the Council of Scientific and Industrial Research (CSIR), which runs 39 labs across different disciplines all over the country, set up an independent company – CSIR Tech – to commercialise technology developed in its labs. Yet earlier this year, the company wound up its operations despite raising substantial funds.

Sivaram, who was on the board of directors at CSIR, says the concept was ahead of its time. 'There was a lack of support from CSIR labs, and scientists were reluctant to part with their intellectual property. Moreover there was no [agreement] that provided CSIR Tech exclusive rights to commercialise the CSIR patent portfolio.'

This lack of infrastructure compounds the significant uncertainty entrepreneurs face in dealing with the various organisations necessary to negotiate approval for their activities, terms for faculty entrepreneurship or technology transfer, easy access to instruments and facilities etc. They also feel held back by poor institutional understanding of the start-up process, especially its multidimensional nature involving technology, law, finance, the private sector, and lack of appreciation of the importance of start-ups in technology translation. There are also cultural barriers in terms of accepting that not all start-ups will succeed in crossing the 'valley of death' between academia and the commercial world

While the start-up community in India is growing, Siva Umapathy, head of the inorganic and physical chemistry department at the IISc, suggests it has not yet reached critical mass. He argues that government funding for science start-ups is still too small to make a significant impact – adding that science companies generally need significantly more investment than IT or service companies before they can become profitable. He also suggests that the funding systems sometimes lack rigorous evaluation systems to identify those companies that have potential for global impact.

Vemula adds that the current efforts are fragmented, with pockets of success dotted around the country. 'In the next decade or two, we could see an enormous amount of translational research. We have huge opportunities to grow in this direction'.

Date: 13th November 2017

Publication: The Hindu Business Line

Edition: Mumbai/Chennai/Delhi/Pune/Bangalore/Hyderabad/Kolkata/Kochi/Ahmedabad

Page no.: 20

Journalist: NA

Professor: Prof. Thillai Rajan

Headline: PSUs, CSIR labs now actively backing start-ups, says IIT-Madras report

URL: <http://www.thehindubusinessline.com/news/psus-csir-labs-now-actively-backing-startups-says-iitmadras-report/article9954877.ece>

PSUs, CSIR labs now actively backing start-ups, says IIT-Madras report

OUR BUREAU

Chennai, November 12

A number of PSUs and CSIR (Council of Scientific and Industrial Research) labs are now actively supporting start-ups, according to 'Indian Venture Capital and Private Equity Report 2017', prepared by IIT-Madras.

Released at TIECON Chennai 2017, the report, 9th in its series, analysed the policy framework and support provided to start-ups by the Central and State governments and various governmental agencies.

Since 2016, at least 10 PSUs have launched start-up sup-

port programmes with a total initial outlay in the region of ₹400 crore. CSIR expects to incubate 100 ventures in five labs, by this year-end.

"Five years ago, it was unthinkable that a PSU would create infrastructure or allocate funds for start-up ventures. But today, several PSUs and CSIR labs are aligning themselves with government's policies on start-ups," Thillai Rajan, Professor, Department of Management Studies, IIT-M, and Associate Professor at Harvard Kennedy School, Harvard University, told a select group of reporters after the release of

the report. At least 30 PSFIs (public sector financial institutions) have contributed in excess of ₹7,000 crore to the corpus of VC (venture capital) funds.

The average round size of venture funds in which PSFIs have invested was \$12 million and the average stake acquired was 22 per cent, implying a post-money valuation of about \$50 million.

Rajan, who has edited and co-authored the report since its inception, explained that cash-rich PSUs such as ONGC, GAIL and BPCL are partnering with incubators such as IIT-M

and other top institutions.

The 2017 report analysed policy robustness for start-ups among States. Seven States — Kerala, Karnataka, Telangana, Andhra Pradesh, Maharashtra, Punjab and Haryana — were found to have comprehensive policy frameworks for start-ups.

Out of the 29 States, 22 have come out with start-up policies in the last three years. Cumulatively, State governments envisage the creation of incubation space of 5.1 million square feet, 48,000 start-ups and ₹34,000 crore of venture funding by 2022, the report said.

Date: 13th November 2017

Publication: Skill Outlook

Edition: Online

Journalist: NA

Professor: Prof. Thillai Rajan

Headline: IIT Madras Releases Annual Report on Indian Venture Capital and Private Equity

URL: <http://skilloutlook.com/startup-news/iit-madras-releases-annual-report-indian-venture-capital-private-equity>

IIT Madras Releases Annual Report on Indian Venture Capital and Private Equity

Chennai, 12 November 2017: Indian Institute of Technology (IIT) Madras has released its' Ninth Annual Report on the Indian Venture Capital and Private Equity focusing on 'The State & the Start-Up: Analysis of government policies and support for start-ups'

The 2017 report analyses the Policy Framework and support provided to Start-ups by Central and State governments and various Governmental Agencies. The report was released at TiECON Chennai 2017, the Annual Entrepreneurship Conference of TiE Chennai yesterday (11th November 2017) in the Presence of Prof. Bhaskar Ramamurthi, Director, IIT Madras, and other dignitaries.

Some of the key findings include:

Promoting start-ups as a tool to achieve social objectives. Examples include – Modernization (Union Ministry of Textiles); Village development (Union Ministry of Rural Development); Social Empowerment and Equality (Union Ministry of Social Justice and Empowerment); Research & Development among youth (Department of Science and Technology).

Government Policies to encourage start-ups in the priority sectors: Examples include Health Technology and Clean Technology to bring in innovation and growth in these sectors. Policies also focus on sectors (like agriculture) that find it difficult to get support from VCPE (Venture Capital/Private Equity/) investors.

State Governments' focus on start-ups has significantly increased since 2015: Out of the 29 Indian States, 22 formally came out with policies that were targeted at start-ups in the last three years. Cumulatively, the State Governments policies envisage creation of incubation space of 5.1 million square feet, 48,000 start-ups, and Investment of close to Rs. 34,000 crore of venture funding by 2022.

Start-up Programs by Public Sector Undertakings (PSU) and CSIR Labs: Since 2016, at least 10 PSUs have launched their start-up support programs. The aggregate initial outlay of all the PSUs for start-up funding is around Rs.400 crore. The Council of Scientific and Industrial Research (CSIR) expects to support, by the end of 2017, around 100 incubatees in Five CSIR laboratories.

Key features of PSU and CSIR Support: The PSUs and CSIR labs are supporting start-ups in those sectors that are either capital intensive or very niche and therefore has had very few start-ups. For the same reasons, there has been very little venture funding for sectors like oil and gas, food technology, and so on.

Initial funding and incubation support from the PSUs and the CSIR labs would contribute significantly in bringing innovation through start-ups in these sectors.

Funding from Public Sector Financial Institutions (PSFIs): At least 30 PSFIs who have contributed to the corpus of VC funds. The current value of investments by PSFIs in various venture funds have been in excess of Rs. 7000 crores. The PSFIs are prepared to support ventures in those sectors that fall in the rain shadow region of traditional VC funding. Average round size of venture funds in which PSFIs have invested was \$12 million and the average stake acquired was 22 per cent, implying a post-money valuation of about \$50 million.

The report also features two case studies on Telangana and Kerala. It finds Telangana to be focused on attracting the best of the start-ups from across the country to be a part of the ecosystem. In Kerala, the main focus of the policy was to generate employment. Start-up hubs were spread across the state, and not just in the capital. Three major cities had significant infrastructure facilities for start-ups: Kochi, Trivandrum and Kozhikode.

IIT Madras has been publishing an annual report on the Indian Venture Capital and Private Equity industry since 2009.

“The Indian start-up landscape has also dramatically changed in the last few years. Today, India features in the top three countries globally in terms of the number of start-ups,” says Prof. Thillai Rajan, Professor, Department of Management Studies, IIT Madras and Associate at Harvard Kennedy School, Harvard University. He has been the Editor and co-author of the publication since its inception.

The policy environment and the ecosystem for start-ups have been supportive in recent years. There are at least 14 Ministries and Departments of the Central Government who have formulated policies and schemes for start-ups, adds Prof. Thillai Rajan.

Mr. Anup Bagchi, Executive Director, ICICI Bank, was the Chairman of the ten-member Editorial Advisory Review Board of this years’ report comprising distinguished members from the industry and government.

“With India becoming one of the leading hub for start-ups globally, the sector has caught the imagination of policy makers. Since 2015, there has been a dramatic increase on the policy focus on start-ups. This report analyses the government policies and public sector support programs for start-ups. It presents how the initiatives by Government complements private sector funding for start-ups,” adds Mr. Anup Bagchi.

Releasing the report, V. Shankar, President of TiE Chennai, said, “The theme for this years’ report is very timely. It is critical that entrepreneurs know the flavour of public sector support for start-ups so that they know when and how to be benefitted by them. The findings of the report would also benefit policy makers in identifying existing gaps and ways to strengthen them. TiE Chennai is privileged to continue this association with IIT Madras. We hope to continue to be associated with this annual edition every year.”

Mr. Gopal Srinivasan, Chairman of TVS Capital and Chairman of India Private Equity and Venture Capital Association, said, “The annual India Venture Capital Reports by IIT Madras have by now become a regular

feature that the Indian Venture Capital & Private Equity (AIF) industry looks forward to. The analytical rigour in the findings of these reports have considerably enriched our perspectives of the undercurrents of the Indian VC/PE industry. This years' report on government policy and support for start-ups is very timely. It highlights several unique features of public sector funding and governmental regulatory support for ventures. Very importantly, it also illustrates how start-up promotion as public policy can be truly transformative for entrepreneurs, innovation, investors and most importantly, for society as a whole."

Date: 13th November 2017

Publication: Eenadu

Edition: Online

Journalist: NA

Professor: Prof. Thillai Rajan

Headline: Promote start-ups to achieve social objectives, says IIT report

URL: <http://www.eenaduindia.com/states/south/tamil-nadu/2017/11/12182752/Promote-startups-to-achieve-social-objectives-says.vpf>

Promote start-ups to achieve social objectives, says IIT report

Chennai: The Ninth Annual Report of Indian Institute of Technology Madras (IIT-M) on the Indian Venture Capital and Private Equity, focusing on 'The State & the Start-Up: Analysis of government policies and support for start-ups', has been released. The report, which was unveiled at TiECON Chennai, an annual entrepreneurship conference in the city, has said start-ups should be promoted as a tool to achieve social objectives.

While pointing out that government policies are encouraging start-ups in the priority sectors, it said state governments' focus on start-ups has significantly increased since 2015.

"Out of the 29 Indian states, 22 have formally come out with policies that were targeted at start-ups in the last three years. Cumulatively, the state governments' policies envisage creation of incubation space of 5.1 million square feet, 48,000 start-ups, and investment of close to Rs 34,000 crore of venture funding by 2022," it said.

The report also said that since 2016, at least 10 PSUs have launched their start-up support programs. The aggregate initial outlay of all the PSUs for start-up funding is around Rs 400 crore.

"The Council of Scientific and Industrial Research (CSIR) expects to support, by the end of 2017, around 100 incubatees in Five CSIR laboratories," it added.

Features case studies on Telangana and Kerala, it said Telangana is focused on attracting the best of the start-ups from across the country to be a part of the ecosystem. In Kerala, the main focus of the policy was to generate employment. Start-up hubs were spread across the state, and not just in the capital.

"Three major cities had significant infrastructure facilities for start-ups: Kochi, Trivandrum and Kozhikode."

Thillai Rajan, professor, department of management studies, IIT Madras and associate at Harvard Kennedy School, Harvard University, who is the editor and co-author of the publication, said, "the Indian start-up landscape has also dramatically changed in the last few years. Today, India features in the top three countries globally in terms of the number of start-ups."

Date: 13th November 2017

Publication: DT Next

Edition: Chennai

Page no.: 4

Journalist: NA

Professor: Prof. Bhaskar Ramamurthi

Headline: IIT-M's report on venture capital scene

IIT-M's report on venture capital scene

CHENNAI: Indian Institute of Technology Madras has released its ninth annual report on Indian venture capital and private equity, focusing on 'The State and the Start-Up: Analysis of government policies and support for start-ups'. The 2017 report analyses the policy framework and support provided to start-ups by Central and State governments and various governmental agencies. The report was released at TiECON Chennai 2017, the annual entrepreneurship conference of TiE Chennai on Saturday, in the presence of Bhaskar Ramamurthi, Director, IIT Madras, and other dignitaries. IIT Madras has been publishing an annual report on the Indian venture capital and private equity industry since 2009.

Date: 15th November 2017

Publication: News Today (clip attached)

Edition: Chennai

Page no.: 5

Journalist: NA

Professor: Prof Bhaskar Ramamurthi & Prof. Thillai Rajan

Headline: 'India among top 3 countries in terms of number of startups'

URL: <https://www.newstodaynet.com/index.php/2017/11/14/iit-m-finds-india-among-top-3-countries-in-startups/>

'India among top 3 countries in terms of number of startups'

IIT Madras releases annual report on Indian venture capital and private equity

NT Bureau
Chennai, Nov 14: Indian Institute of Technology Madras has released its ninth annual report on the Indian venture capital and private equity focusing on 'The State & the Start-Up: Analysis of government policies and support for start-ups'. A press note said that the report analyses the policy framework and support provided to startups by Central and State governments. The report was released at TECON Chennai 2017, the Annual Entrepreneurship Conference of TIE Chennai in the presence of IIT Madras director, Professor Bhaskar Ramamurthi.

Some of the key findings of the report include: Promoting startups as a tool to achieve social objectives in modernisation, village development, social empowerment and equality, research & development among youth. Government policies to encourage startups in the priority sectors that include health technology and clean technology to bring in innovation and growth in these sectors. Policies also focus on sectors (like agriculture) that find it difficult to get support from venture capital/private equity investors, the release said.

ON RISE
State government focus on startups has significantly increased since 2015. Out of the 29 States, 22 formally came out with policies that were targeted at startups in the last three years. State governments policies envisage creation of incubation space of 5.1 million square feet, 48,000 startups, and investment of close to R. 34,000 crore of venture funding by 2022.

Startup Programs by Public Sector Undertakings (PSU) and CSIR Labs: Since 2016, at least 10 PSUs have launched their startup support programs. The aggregate initial outlay of all the PSUs for startup funding is around Rs 400 crore. The current value of investments by PSFs in various venture funds have been in excess of Rs 7000 crore. The PSFs are prepared to support ventures in those sectors that fall in the rain shadow region of traditional VC funding. Average round size of venture funds in which PSFs have invested was \$12 million and the average stake acquired was 22 per cent, implying a post-money valuation of about \$50 million, the release added.

"The Indian startup landscape has also dramatically changed in the last few years. Today, India features in the top three countries globally in terms of the number of startups," said IIT professor, department of management studies, Thillai Rajan. He has been the editor and co-author of the publication since its inception. "The policy environment and the ecosystem for startups have been supportive in recent years. There are at least 14 Ministries and Departments of the Central government who have formulated policies and schemes for startups," he added. Releasing the report, president of TIE Chennai, V Shankar, said, "The theme for this year's report is very timely."

It is critical that entrepreneurs know the favour of public sector support for startups so that they know when and how to be benefited by them. The findings of the report would also benefit policy makers in identifying existing gaps and ways to strengthen them."

Chairman of TVS Capital and chairman of India Private Equity and Venture Capital Association, Gopal Srinivasan said, "The analytical rigour in the findings of these reports have considerably enriched our perspectives of the undercurrents of the Indian VC/PE industry. This year's report on government policy and support for startups is very timely."



There are at least 14 Ministries and Departments of the Central government who have formulated policies and schemes for startups.

Date: 12th November 2017

Publication: The Times of India

Edition: Chennai

Page no.: 3

Journalist: NA

Headline: IIT-M releases report on startups

IIT-M releases report on startups: The Indian Institute of Technology, Madras has released its ninth annual report on Indian venture capital and private equity focusing on 'The State & the StartUp: Analysis of government policies and support for startups'. The 2017 report analyses the policy framework and support provided to startups by central and state governments and various governmental agencies. The report was released on Saturday at TIECON Chennai 2017.

Date: 26th November 2017

Publication: Techgig

Edition: Online

Journalist: NA

Professor: Prof. R Krishnakumar, Prof. Ashok Jhunjhunwala & Prof. Bhaskar Ramamurthi

Alumni: Tarun Mehta and Swapnil Jain

Headline: How IIT Madras has become a hub for startups

URL: <https://www.techgig.com/tech-news/How-IIT-Madras-has-become-a-hub-for-startups-144445>

How IIT Madras has become a hub for startups

One look at the top 10 Indian tech startups and you will realize that most of these are started by IITians. The data suggest that IIT Madras is ahead of all other institutes to fuel the innovation and startups.

The lush-green environment of IIT-M has become a hub for budding entrepreneurs. The premier Indian institute is home to startups in various industrial sectors. Two classmates from IIT Madras share their entrepreneurial journey. Tarun Mehta and Swapnil Jain cofounders fo Ather Energy started with a project with help of their professor. The project soon became a company, which is backed by Hero Motocorp.

Mehta and Jain reached out to their professor, R Krishnakumar in 2012. They were working on a new design for lithium-ion batteries. The project transformed into an electric scooter's company. Ather Energy is all set to roll out India's first electric smart scooter. S340. Ather Energy is one of the several intellectual property-led startups from IIT-M.

IIT Madras has a full-fledged incubation cell that has produced over 140 startups so far. The cumulative funding raised by these 140 startups is close to \$108 million. Whenever the students of IIT-M are stuck with a problem, the thriving alumni network of the institute comes to rescue. The best part of the institute is the faculty-industry connect. This network acts as a necessary infrastructure for student and alumni-led initiatives.

The institute itself has put a lot of efforts in creating this ecosystem within the campus. IIT-M started the Telecommunication and Computer Networking Group (TeNeT) within its campus two decades ago. The group is led by a Padma Shri awarded Professor Ashok Jhunjhunwala, who is currently the adviser to government's electric vehicle program. The current director of IIT-M, Bhaskar Ramamurthy promoted the initiative within the campus.

Comparing the IIT Madras with the other IITs in the country, the institute has most industry-facing connects. Mahesh Panchagnula, the associate facility-in-charge of IIT-M's Incubation Cell said, "In some sense, the IIT-M faculty were more grounded in real-life problems. A big push in this direction came because of a small group of people in the wireless technology group. Prof. Ashok Jhunjhunwala and Prof. Bhaskar Ramamurthi, the whole idea of doing startups, we must say, is because of them."

The efforts by the IIT-M professors created a foundation for entrepreneurship two decades back. The simpler part of the initiative was to encourage students while the challenging part that IIT-M managed to

solve was industry connect. The major step in bridging this gap was the establishment of IIT-M research park. The independent park promotes all the R&D projects by the institute.

The incubation cell by IIT-M is state of the art facility designed to inspire students for entrepreneurship. Gopal S, the mentor at IIT-M's incubation center said, "The incubation cell helps in accounting and legal, apart from providing a shared working space and other paraphernalia. The incubated companies do not need to worry about anything. They get some funding and depending on their progress, can ask for more. It comes as equity."

Over last few years, 4 renowned startups have come out of IIT-M's incubation facility. Ather Energy is backed by Hero Motocorp, Tiger Global and Flipkart founders. Uniphone Software is innovating in the space of speech-based solutions. Planys Technologies is designing the compact underwater vehicles while Detect Technologies by 4 IIT-M graduates is building a solution to understand the needs of the energy sector.

Date: 28th November 2017

Publication: The Times of India

Edition: Hyderabad/Chennai

Page no.: 18

Journalist: Rachel Chitra & Ranjani Ayyar

Headline: Public finance institutions lag industry in funding to tech sectors

Public finance institutions lag industry in funding to tech sectors

Rachel Chitra &
Ranjani Ayyar | TNN

Chennai: Public sector finance institutions (PSFI) allocate 27% of their VC/PE funding to the technology segment compared to the industry average of 45-50%, a report has said.

"We are bound by regulation to invest a majority of their funds in lower-risk instruments such as government securities, corporate debt, etc. Only a quarter of our investments go towards equities, and there again we invest in funds that have a AAA rating or above. There are very few VC/PE funds that get such ratings. As for startups, there is very little analyst research, rating, industry backing, public filings or knowledge of their internal workings, which curtails insurance companies investing in tech—directly or indirectly," said Sujay Banar-

TEPID SHOW

SECTOR	No. of ventures
Technology	159
Industrials	156
Consumer Services	79
Healthcare	68
Consumer Goods	56
Financials	38
Basic materials	18
Oil and gas	10
Telecommunications	3

ji, chairman, Oriental Insurance Company.

However, the funding trend is reversed in non-tech sectors, said IIT Madras' report India Venture Capital and Private Equity Report 2017.

For instance, industrials and consumer goods and services account for about 26% and 23% respectively of VC funds with PSFI investment.

Both sectors account for only 13% of the overall ventures that receive VC/PE funding, the report said.

The report also said PSFIs prefer to invest in those venture funds whose investment objectives are in alignment with the agenda of national development, which is espoused by such institutions.

"Public finance institutions have a lot of rules and regulations to comply with and processes take time," said Suresh Sambandam of Orangescape and KiSS-FLOW, one of the few tech startups to get funding from PSFIs. Anand Shankar, investment associate at GVFL Limited, where the government of Gujarat is an anchor investor, says it is a matter of time before such institutions direct more funds towards tech startups. IT & ITES startups constitute 40% of GVFL's portfolio.

Date: 28th November 2017

Publication: Gizmodo

Edition: Online

Journalist: NA

Professor: Prof. R Krishnakumar, Prof. Ashok Jhunjunwala & Prof. Bhaskar Ramamurthi

Alumni: Tarun Mehta and Swapnil Jain

Headline: How IIT Madras has become a hub for startups

URL: <http://www.gizmodo.in/techgig/how-iit-madras-has-become-a-hub-for-startups/articleshow/61817947.cms>

How IIT Madras has become a hub for startups

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Date: 30th November 2017

Publication: Telangana Today

Edition: Hyderabad

Page no.: 2

Journalist: NA

Professor: Prof. Thillai Rajan

Headline: 'VC funding growing in India'

URL: <https://telanganatoday.com/venture-capital-funding-growing-in-india>

'VC funding growing in India'

BUSINESS BUREAU

Hyderabad

Even as the startups in India are not making much money, they are still getting a lot of funding thus showcasing the profit potential.

Author of the book Fuel for Start-Ups: Perspectives on the Indian Venture Capital Industry, Thillai Rajan A said that in the last ten years the venture capital funding in India has hit the \$1,100 billion mark thus proving that a lot of money has come in.

"India today is number 3 in terms of venture industry, number of investments and number of startups after the United States and the United Kingdom. Annually the VC investment in India

While earlier there were no angel investors and venture investment was at Rs 2 crore, now the angel funding is anywhere between Rs 80 lakh and Rs 1 crore

is at \$10 billion and it may go up," he said on the sidelines of the book launch by Telangana IT Minister K T Rama Rao.

The book, he elaborated, focuses on various aspects of different venture industry showcasing how it has grown in the last 10 years. "The industry has been growing at 40-50 per cent and the average age of startups getting funded getting lower and lower. So the startups that used to get their first funding after five

to six years of existence are now getting in one-and-a-half year," Rajan said.

In terms of ticket size of funding, the Professor at Department of Management Studies in IIT-Madras informed that it is increasing. While earlier there were no angel investors and venture investment was at Rs 2 crore, now the angel funding is anywhere between Rs 80 lakh to Rs 1 crore and venture investment is between Rs 5 crore to Rs 8 crore.

Date: 30th November 2017

Publication: Andhra Jyothi

Edition: Hyderabad

Page no.: 9

Journalist: NA

Professor: Prof. Thillai Rajan

Headline: IIT Madras' professor launches a book



News on QS varsity's BRICS ranking

Date: 23rd November 2017

Publication: The Times of India

Edition: Delhi/Ahmedabad/Bangalore/Chennai/Pune/Hyderabad/Kolkata

Page no.: 13

Journalist: Manash Pratim Gohain

Headline: IIT-B 9th best in Brics univ ranking; top 3 from China

URL: <https://timesofindia.indiatimes.com/city/mumbai/iit-b-breaks-into-top-10-brics-list-at-9th-position/articleshow/61760671.cms>

IIT-B 9th best in Brics univ ranking; top 3 from China

IIT-D That Ranks 15th In List Comes Third In Country

Manash.Gohain
@timesgroup.com

New Delhi: This year's Quacquarelli Symonds (QS) ranking of Brics universities brought a mixed bag of good and bad news for India. IIT-Bombay, for the first time, broke into the top 10 list, bagging the 9th position (overall) and was also the best-ranked among Indian universities. It improved its rank by four positions.

Sadly, India lost its top position (6th place), secured in 2017 by Indian Institute of Science (IISc), Bengaluru, in the ranking for 2018. With its 10th rank, IISc, however, continues to be among the top institutions in Brics nations (Brazil, Russia, India, China and South Africa). Like in 2016, this year too four Indian universities, including IIT-Delhi (15th rank) and IIT-Madras (18th rank), were featured in the Top 20.

In the overall rankings, the top three remained unchanged from the 2016 list —

TWO INDIAN VARSITIES IN TOP 10

2018 BRICS rank	University	2017 BRICS rank
9 ↑	IIT Bombay	13
10 ↓	IISc, Bangalore	6
15	IIT Delhi	15
18 ↑	IIT Madras	19
21 ↑	IIT Kanpur	22
24 ↑	IIT Kharagpur	25
41	University of Delhi	41
51 ↓	IIT Roorkee	39
52 ↑	IIT Guwahati	54
64 ↓	University of Calcutta	54

QS UNIVERSITY RANKINGS	
2018 BRICS rank	University
1	Tsinghua University, China
2	Peking University, China
3	Fudan University, China

In total, 65 Indian universities are ranked among the published top 300. This is more than Brazil's 61 and South Africa's 12, but fewer than Russia's 68 and China's 94. The highest ranked private Indian university is BITS Pilani at 109

Tsinghua University, Peking University and Fudan University — all from China, securing the first three ranks respectively.

In total, 65 Indian universities are ranked among the published top 300. This is

more than Brazil's 61 and South Africa's 12, but fewer than Russia's 68 and China's 94. Seven Indian universities have made it to the top 50 list. The highest ranked private Indian university is BITS Pilani at 109, followed by Tha-

par University at 137 and Symbiosis International University at 144.

The top 10 public and private Indian universities in the Brics ranking were felicitated in Delhi by V S Chauhan, chairman, University Grants Commission on Wednesday. Speaking on the role of the rankings, Chauhan said the Centre launched the National Institutional Ranking Framework which was started in 2016, to make Indian institutions more competitive. On the relevance of the rankings, Chauhan said, "The role of the rankings, in helping students getting to know about the institutions they choose, can't be negated. But sometimes they are overplayed."

"Indian education system has expanded and we are trying to change a lot of regulations which were framed long ago. In this, there is space for providing rankings," he added.

While stating that India is at a very early stage when it comes to its universities coming of age, Chauhan said, "We will celebrate that day when of 350 universities in the Brics rankings, 150 will be Indian institutions."

Date: 23rd November 2017
 Publication: Hindustan Times
 Edition: Delhi/Mumbai
 Page no.: 1
 Journalist: NA
 Headline: IIT-B Leads the way

hindustan times
PAGE ONE PLUS EDITOR'S PICK

IIT-B LEADS THE WAY

IIT-Bombay rises four notches in the 2018 edition of the QS World University Rankings for BRICS



9th is the rank of IIT-Bombay, up from 11 the previous year

China continues to dominate

In the table is helped again by China's Tsinghua University and Chinese institutions lead 4 of the top 10 list

Tsinghua is 8th again in the top 20. IIT Delhi and IIT Madras are Indian universities receive a perfect score of 100/100 for QS Staff with PhD indicator

A Indian university – the Shanghai Institute of Technical Medicine, and IIT Delhi – scores 100/100 for patents per faculty

In all, 10 Indian universities have been ranked. This is more than South East and South Africa (1), but fewer than North America (10) and China (14)

Methodology

16 metrics used to evaluate universities for the QS World University Rankings across BRICS countries:

- 30% Academic reputation
- 20% Employer reputation
- 20% Faculty-student ratio
- 10% Papers per faculty
- 5% Citations per paper
- 2.5% International faculty ratio
- 2.5% International student ratio
- 10% Staff-student ratio

Top 10 BRICS universities

Institutions	2017	2018
Tsinghua University	1	1
Peking University	2	2
Fudan University	3	3
University of Science and Technology of China	4	4
Lomonosov Moscow State University	5	5
Zhejiang University	6	6
Shanghai Jiao Tong University	7	7
Nanjing University	8	8
Indian Institute of Technology Bombay (IIT-B)	11	9
Indian Institute of Science (IISc) Bangalore	12	10

Indian universities

Institutions	2017	2018
Indian Institute of Technology Bombay (IIT-B)	11	9
Indian Institute of Science (IISc) Bangalore	12	10
Indian Institute of Technology Delhi	15	17
Indian Institute of Technology Madras	19	18
Indian Institute of Technology Kanpur	22	21
Indian Institute of Technology Kharagpur	25	24
Delhi University	41	41
Indian Institute of Technology Rohtak	39	51
Indian Institute of Technology Gandhinagar	54	52
Calicut University	54	64
Jalapa University	68	74

Indian universities – should they wish to compete with the dominant Chinese system – need to implement frameworks that encourage the production of high-impact research. Creating extensive international research networks allows collaboration, and ensures that research receives a wider reach. Doing so will assist India's best universities as they attempt to become more globally competitive.

QS World University Rankings 2018

Date: 23rd November 2017
Publication: Business Standard
Edition: Delhi
Page no.: 16
Journalist: NA

Headline: Three IITs, IISc Bangalore among top 20 BRICS varsities on QS Rankings

URL: http://www.business-standard.com/article/current-affairs/qs-rankings-three-iits-iisc-bangalore-among-top-20-brics-varsities-117112201280_1.html

Three IITs, IISc among top 20 BRICS varsities on QS Rankings

PRESS TRUST OF INDIA
New Delhi, 22 November

Three Indian institutes of Technology (IITs) and the Indian Institute of Science in Bengaluru have made the cut among top 20 varsities in BRICS countries, according to the latest QS Rankings.

Over 300 universities from India, China, Russia, South Africa and Brazil have been observed and graded for the Quacquarelli Symonds (QS) ranking, one of the global prestigious rankings.



The IIT-Bombay secured the sixth rank, followed by IISc-Bangalore (10), IIT-Delhi (13) and IIT-Madras (18).

China's Tsinghua University, Peking University and Fudan University have secured the top three ranks, with the country occupying eight of the top 20 positions.

"Role of ranking in terms of students getting to know about the institutions can't be negated, but also sometimes overplayed," University Grants Commission Chairman V. K. Rajaram said at the unveiling of rankings here. "Rankings are relevant for institutions. Most importantly, because of the rankings, what happened in India is that institutions have started to look at themselves. Indian education has expanded and we are trying to change a lot of regulations made a long ago. In this there is space for rankings and the government is also realising that the universities are a matter of prestige for the country."

India has the second highest representation on the 2017 list after China. Last year, IISc-Bangalore was the only Indian institution to figure in the top 10, at sixth.

Chauhan, while noting that the country was at an early stage of its universities coming of age, said, "We will celebrate that day when the 350 universities (50 of them will be



QUACQUARELLI SYMONDS RANKING

1. Tsinghua University
2. Peking University
3. Fudan University
4. IIT-Bombay
5. IISc-Bangalore
6. IIT-Delhi
7. IIT-Madras

Indian institutions in the BRICS rankings.

Based on eight performance indicators — academic reputation, employer reputation, proportion of staff with a PhD, faculty/student ratio, research publications and citation rates and proportion of international faculty and students — the ranking provides insights into the relative strengths and weaknesses of leading institutions in the five countries.

According to the rankings, among the top 10 public varsities in India are IIT-Bombay, IISc-Bangalore, IIT-Delhi, IIT-Madras, IIT-Roorkee, IIT-Kanpur, Delhi University and Kolkata University.

Among the top 10 private universities in the country are BITS-Pilani, Thapar University, Symbiosis International University, Manipal University, Amrita University, VIT University, Kalinga University and OP J.S. Group of Institutions.

Date: 23rd November 2017

Publication: DNA

Edition: Mumbai

Page no.: 1

Journalist: NA

Headline: IIT-B ranks 9th in QS varsity's BRICS ranking

URL: <http://www.dnaindia.com/india/report-iit-b-ranks-9th-in-qvarsity-s-brics-ranking-2561902>

IIT-B ranks 9th in QS varsity's BRICS ranking

DNA Correspondent
correspondent@dnaindia.net

Mumbai: The Indian Institute of Technology Bombay (IIT-Bombay) has secured the ninth rank in the prestigious Quacquarelli Symonds (QS) University Rankings for BRICS countries. The results of BRICS university rankings 2017 were announced on Wednesday by QS, a global higher education analysis.

There are four Indian institutes in the top 20 of the rankings this year: IISc, Bangalore, IIT-Delhi and IIT-Madras.

Since its last appearance in the 2016-17 rankings, the Institute has moved up four places.

"The ranking is a reflection of the excellent progress being made by the Institute in its core areas of work: teaching and research. I am grateful for the sincere efforts of faculty, staff, students, alumni and well-wishers of the Institute," said Prof Devang Khakhar, Director, IIT Bombay.

Date: 23rd November 2017

Publication: The Economic Times

Edition: Mumbai/Bangalore/Delhi/Pune/Kochi

Page no.: 20

Journalist: NA

Headline: IIT-Bombay, IISc-Bangalore Make it to Top 10 of BRICS Universities' List

URL: <https://economictimes.indiatimes.com/industry/services/education/qs-rankings-3-iits-iisc-bangalore-among-top-20-brics-varsities/articleshow/61758579.cms>

IIT-Bombay, IISc-Bangalore Make it to Top 10 of BRICS Universities' List

14 institutions from India feature in the top 100 this year; first four are from China

Our Bureau

Mumbai: Two Indian institutions have made it to the top 10 of a ranking of universities in the BRICS bloc of nations, compared with just one last year.

IIT-Bombay has moved up to the 9th spot in the QS World University Rankings: BRICS 2018, from 13th last time, making its debut in the top 10. IISc-Bangalore has slipped four positions to the tenth from sixth.

Two more Indian institutions feature among the top 20 — IIT-Delhi, which has fallen to 17th place from 15th, and IIT Madras that

climbed a spot to 18th.

As many as 14 institutions from India have made it to the top 100. Apart from the four in the first 20, these are IIT-Kanpur (21st), IIT-Kharagpur (34th), University of Delhi (41st), IIT-Roorkee (51st), IIT-Guwahati (52nd), University of Calcutta (64th), Jadavpur University (74th), University of Mumbai (82nd), Anna University (85th) and IIT-Hyderabad (100th).

As many as 65 Indian universities have been ranked this time — more than Brazil (61) and South Africa (12), but fewer than Russia (68) and China (94). The top four universities in the BRICS ranking are from China: Tsinghua University, Peking University, Fudan University and University of Science and Technology of China.

India's strength, relative to other BRICS nations, lies in the fact that its universities have high proportions of qualified faculty: Fifteen Indian universities have bagged a perfect 100 out of 100 for QS's Staff



IIT-Bombay moved up to the ninth spot from 13th last year

with PhD indicator, said a statement issued by Quacquarelli Symonds, the British company that ranked the universities in the five BRICS nations.

Research productivity of India's universities is also one of its strengths. Three Indian universities — IISc-Bangalore, Institute of Chemical Technology-Mumbai and IIT-Delhi — have received

100 out of 100 for papers-per-faculty. All of the top seven scores for this indicator are achieved by Indian universities.

Quantity of Indian research, however, is greater than its average quality, the statement added. QS's Citations per Paper metric measures the impact of a university's research output. No Indian entrant achieves a top-10 score for this indicator, which is dominated by Chinese universities.

Ben Sowter, research director at QS, said: "The 2018 edition indicates that Indian universities — should they wish to compete with the dominant Chinese system — need to implement frameworks that encourage the production of high-impact research. Creating extensive international research networks allows collaboration, and ensures that research receives a wider reach. Doing so will assist India's best universities as they attempt to become more globally competitive."

Date: 23rd November 2017

Publication: Absolute India

Edition: Mumbai

Page no.: 1

Journalist: NA

Headline: 3 IITs, IISc Bangalore among top 20 BRIG varsities

3 IITs, IISc Bangalore among top 20 BRICS varsities

Team Absolute | New Delhi

QS RANKINGS

Three IITs and the Indian Institute of Science, Bangalore have made the cut among top 20 varsities in BRICS countries, according to the latest QS Rankings.

Over 300 universities from India, China, Russia, South Africa and Brazil have been observed and graded for the Quacquarelli Symonds (QS) ranking, one of the global prestigious rankings.

The Indian Institute of Technology Bombay has secured ninth rank followed by IISc, Bangalore (10), IIT Delhi (15) and IIT Madras (18).

Chinese universities, including Tsinghua University, Peking University and Fudan University have secured the top three ranks with the country occupying eight of the top 10 positions.

"Role of ranking in terms of students getting to know about the institutions can't be negated, but also sometimes overplayed. Rankings are relevant for institutions and most importantly because of the rankings what happened in India is that institutions have started to look at themselves," IGC Chairman VS Chauhan said at unveiling of rankings here.

"Indian education has expanded and we are trying to change a lot of regulations which are made long ago. In this there is space for rankings and the government is also realizing this that the universities are a matter of prestige for the country," he added.

India has the second highest representation in the 2017 list after China.

Date: 23rd November 2017

Publication: Deccan Herald

Edition: Bangalore

Page no.: 7

Journalist: NA

Headline: IISc slips to 10th place from 6th in ranking for Brics varsities

IISc slips to 10th place from 6th in ranking for Brics varsities

'Quantity of Indian research greater than quality, on average'

NEW DELHI: The Indian Institute of Science (IISc), Bengaluru, has slipped down to 10th position from sixth in an international ranking of the Brics nations universities done by Quacquarelli Symonds (QS).

The QS, which evaluates the performance of universities across the world under certain parameters and ranks them accordingly, released the results titled - '2018 World University Rankings: BRICS,' for universities in Brazil, China, India, Russia and South Africa late on Wednesday.

The Indian Institute of Technology (IIT), Bombay, rose up to ninth position this year from last year's 13th, making its first-ever appearance in the list of top 10 higher educational institutions of Brics nations.

Chinese institutions grabbed the top four ranks



The IISc, Bengaluru, Institute of Chemical Technology, Mumbai, and IIT Delhi, received 100 out of 100 (score) for papers per faculty. DH FILE PHOTO

with Tsinghua University retaining the first position for another year.

IIT Delhi slipped down to

17th position from 15th.

IIT Madras, however, climbed up to grab 18th position from last year's 19th.

"India's strength, relative to universities in other Brics nations, lies in the fact that its universities have high proportion of qualified faculty. Fifteen Indian universities receive a perfect score of 100/100 for QS' staff with PhD indicator," the international rating agency said in a statement.

Research productivity

The research productivity of India's universities is "also one of its strengths," it said.

IISc, Bengaluru, Institute of Chemical Technology, Mumbai, and IIT Delhi received 100 out of 100 (score) for papers per faculty. Additionally, all top seven scores for this indicator were achieved by Indian universities, QS noted.

"However, the quantity of Indian research is greater than its quality, on average. No Indian entrant achieves a top 10 score for this indicator, which

is dominated by Chinese universities," it said.

A total of 65 Indian higher educational institutions were ranked.

Performance rating

"This ranking allows Indian policymakers, academics and administrators to measure the performance of their higher education system against competitors with similar aspirations. The 2018 edition indicates — should they wish to compete with the dominant Chinese system — need to implement frameworks that encourage the production of high-impact research," Ben Sowter, research director at QS, said.

Creating "extensive" international research networks allows collaboration and ensures that research receives a wider reach, he underlined.

DH News Service

Date: 23rd November 2017

Publication: Daily Thanthi

Edition: Chennai

Page no.: 5

Journalist: NA

Headline: IIT Madras features in the Top 20 Ranking in BRICS Countries Universities

'பிரிக்ஸ்' நாடுகளின் பல்கலைக்கழகங்கள் இடையே டாப் 20 பட்டியலில் சென்னை ஐ.ஐ.டி. இடம் பிடித்தது

புதுடெல்லி, நவ.23-

பிரேசில், ரஷ்யா, இந்தியா, சீனா, தென் ஆப்பிரிக்கா ஆகிய 5 நாடுகள் இணைந்து 'பிரிக்ஸ்' நாடுகள் என்று அழைக்கப்படுகின்றன. இந்த நாடுகளின் பல்கலைக்கழகங்களில் சிறந்தவற்றை தரவரிசைப்படுத்தும் பட்டியலை 'குவாக்குவாரல்வி சைமண்ட்ஸ்' என்ற அமைப்பு வெளியிட்டுள்ளது. இது, உலக அளவில் மதிப்பு வாய்ந்ததாக கருதப்படுகிறது.

இந்தியா உள்ளிட்ட பிரிக்ஸ் நாடுகளின் 300-க்கும் மேற்பட்ட பல்கலைக்கழகங்கள் தரவரிசைக்கு எடுத்துக்கொள்ளப்பட்டன. இவற்றில் டாப் 20 பட்டியலில், சென்னை ஐ.ஐ.டி. 18-வது இடத்தை பெற்றுள்ளது.

மும்பை ஐ.ஐ.டி. 9-வது இடத்தையும், பெங்களூரு ஐ.ஐ.எஸ்சி 10-வது இடத்தையும், டெல்லி ஐ.ஐ.டி. 15-வது இடத்தையும் பிடித்துள்ளன. முதல் 3 இடங்களை சீன பல்கலைக்கழகங்கள் பெற்றுள்ளன.

Date: 23rd November 2017

Publication: Daily Milap

Edition: Hyderabad

Page no.: 3

Journalist: NA

Headline: IITs, IISc Bangalore among top 20 BRIG varsities

20 शीर्ष विश्वविद्यालयों में तीन आईआईटी व आईआईएससी बंगलुरु शामिल

नई दिल्ली, 22 नवंबर-(भाषा)

क्यूएस की तरफ से जारी नयी रैंकिंग में ब्रिक्स देशों के शीर्ष 20 विश्वविद्यालयों में तीन आईआईटी और भारतीय विज्ञान संस्थान बंगलुरु को शामिल किया गया है। क्वाक्वारेली सायमंड्स (क्यूएस) रैंकिंग में भारत, चीन, रूस, दक्षिण अफ्रीका और ब्राजील के 300 विश्वविद्यालयों का आकलन किया गया और उनकी ग्रेडिंग की गई। क्यूएस को विश्व के प्रतिष्ठित रैंकिंग में गिना जाता है। भारतीय प्रौद्योगिकी संस्थान बंबई को नौवाँ स्थान दिया गया है, जिसके बाद आईआईएससी बंगलुरु को दसवाँ, आईआईटी दिल्ली को 15 वाँ और आईआईटी मद्रास को 18वाँ स्थान दिया गया है। चीन के शिंघुआ विश्वविद्यालय, पेकिंग विश्वविद्यालय और फुडान विश्वविद्यालय को शीर्ष तीन रैंकिंग हासिल हुई है और शीर्ष दस में इसके आठ विश्वविद्यालय शामिल हैं।

Date: 23rd November 2017

Publication: Dainik Jagran

Edition: Delhi

Page no.: 9

Journalist: NA

Headline: 4 Indian institutions among top 20 BRIG varsities

ब्रिक्स देशों के 20 शीर्ष विवि में चार भारतीय

नई दिल्ली, प्रेस : ब्रिक्स देशों (भारत, चीन, रूस, ब्राजील और दक्षिण अफ्रीका) के शीर्ष 20 विश्वविद्यालयों में चार भारतीय संस्थान शामिल हैं। संस्था क्यूएल (क्वान्तुमेली सामग्री) ने 300 से ज्यादा विवि की रैंकिंग जारी की है। इसमें कई अन्य भारतीय संस्थानों को भी जगह मिली है। पहले 20 संस्थानों में तीन आइआइटी और इंजिन इंस्टीट्यूट ऑफ स्टडीस (आइआइएससी, बेंगलूर) शामिल हैं। शीर्ष दस में अठार चीनी और दो भारतीय संस्थान (आइआइटी, चांगे की गीच्वां और आइआइएससी 10वें पावरडन पर) हैं।

विराटविद्यालय अनुदान अकादमी (यूजीसी) के अध्यक्ष सीएस चौहान ने बुधवार को रैंकिंग सूची जारी की। पहले 20 संस्थानों में आइआइटी-मॉने, आइआइटी-दिल्ली (15), आइआइटी-मद्रास (18) और आइआइएससी को स्थान मिला है। चीन के तिंपुआ विवि (पहले), पीकिंग विवि (दूसरे) और कुएन विवि (तीसरे) शीर्ष तीन में शामिल हैं। इस शाल की रैंकिंग में चीन के बाद सबसे ज्यादा भारतीय विश्वविद्यालयों को जगह मिली है। वर्ष 2016 में पहले दस विवि में सिर्फ आइआइएससी (6) ही शामिल था। चौहान ने इस मौके पर कहा कि रैंकिंग के माध्यम से छात्र को संस्थान के बारे में अधिक जानकारी मिलती है, जिसे नज़रअंदाज नहीं किया जा सकता है। शैक्षिक संस्थानों के लिए रैंकिंग कई मायनों में प्रसंगिक है। छात्रकन इसके चलते संस्थान अपनी गुणवत्ता बढ़ाने पर ध्यान देने लगते हैं। इन्हें ही नहीं, सरकार भी यह सोचने लगती है कि विवि को देश के लिए प्रतिष्ठा का विषय है। उन्होंने बताया कि भारत रैंकिंग जारी होने पर अब चर्चा शुरू होगा जब 350 में से डेढ़ सौ भारतीय विवि हों।

ये हैं मानक

- अकादमिक प्रतिष्ठा
- शिक्षकों की प्रशिक्षण
- विद्यार्थी छात्र के स्वयं कर्मचारियों का अनुपात
- शिक्षक-छात्र अनुपात
- प्रोफेशन
- आंतरराष्ट्रीय संशोधन और छात्रों की संख्या

शीर्ष सरकारी संस्थान

- आइआइटी बॉम्बे
- आइआइएससी बेंगलूर
- आइआइटी दिल्ली
- आइआइटी मद्रास
- आइआइटी रुड़की
- आइआइटी कानपुर
- दिल्ली इंजि
- कलेकता विवि

शीर्ष निजी संस्थान

- बिटल दिल्ली
- राधर प्रि
- सिंगापोरिस इंटरनेशनल विवि
- रूफियाल विवि
- अमृता विवि
- वीआइटी प्रि
- कसिना विवि
- ओई बिटल विवि

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URL: <https://www.ndtv.com/education/qs-rankings-2018-3-iits-iisc-bangalore-among-top-20-brics-varsities-1778811>

QS Rankings 2018: 3 IITs, IISc Bangalore Among Top 20 BRICS Varsities

NEW DELHI: Three IITs and the Indian Institute of Science, Bangalore have made the cut among top 20 varsities in BRICS countries, according to the latest QS Rankings. Over 300 universities from India, China, Russia, South Africa and Brazil have been observed and graded for the Quacquarelli Symonds (QS) ranking, one of the global prestigious rankings. The Indian Institute of Technology Bombay has secured ninth rank followed by IISc, Bangalore (10), IIT Delhi (15) and IIT Madras (18).

Chinese universities, including Tsinghua University, Peking University and Fudan University have secured the top three ranks with the country occupying eight of the top 10 positions.

"Role of ranking in terms of students getting to know about the institutions cant be negated, but also sometimes overplayed. Rankings are relevant for institutions and most importantly because of the rankings what happened in India is that institutions have started to look at themselves," UGC Chairman VS Chauhan said at unveiling of rankings here.

"Indian education has expanded and we are trying to change a lot of regulations which are made log ago. In this there is space for rankings and the government is also realizing this that the universities are a matter of prestige for the country," he added.

India has the second highest representation in the 2017 list after China.

Last year, IISc Bangalore was the only Indian institution to figure in the top 10 with rank 6.

Chauhan, while noting that the country is at a very early stage of its universities coming of age, said, "We will celebrate that day when of 350 universities 150 of them will be Indian institutions in the BRICS rankings."

Based on eight performance indicators, namely academic reputation, employer reputation, proportion of staff with a PhD, faculty/student ratio, research publications and citation rates and proportion of international faculty and students, the ranking provides insights into the relative strengths and weaknesses of leading instituions in the five countries.

According to the rankings, among the top 10 public varsities in India are IIT Bombay, IISc Bangalore, IIT Delhi, IIT Madras, IIT Roorkee, IIT Kanpur, Delhi University, IIT Kharagpur, IIT Guwahati and Kolkata University.

Among the top 10 private universities in the country are BITS Pillani, Thapar University, Symbiosis International University, Manipal University, Amrita University, VIT University, Kalinga University and OP Jindal Global University.

Date: 23rd November 2017

Publication: The New Indian Express

Edition: Online

Journalist: NA

Headline: Quacquarelli Symonds Rankings: Three IITs, IISc Bangalore among top 20 BRICS universities

URL: <http://www.newindianexpress.com/nation/2017/nov/22/quacquarelli-symonds-rankings-three-iits-iisc-bangalore-among-top-20-brics-universities-1708510.html>

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Date: 23rd November 2017

Publication: Zee News

Edition: Online

Journalist: NA

Headline: Three IITs, IISc Bangalore in top-20 BRICS universities

URL: <http://zeenews.india.com/education/three-iits-iisc-bangalore-in-top-20-brics-universities-2059297.html>

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Date: 23rd November 2017

Publication: Scroll

Edition: Online

Journalist: NA

Headline: IIT-Bombay, IISc-Bangalore among the top 10 institutions in QS Brics University Rankings

URL: <https://scroll.in/latest/858910/iit-bombay-iisc-bangalore-among-the-top-10-institutions-in-qs-brics-university-rankings>

IIT-Bombay, IISc-Bangalore among the top 10 institutions in QS Brics University Rankings

The Indian Institute of Technology, Bombay, and the Indian Institute of Science, Bangalore, have made it to the top 10 of the Quacquarelli Symonds Brics University Rankings 2018. IIT-Bombay has been ranked ninth and IISc-Bangalore is at the tenth position.

The Indian Institutes of Technology in Delhi, Madras and Kharagpur are also among the top 25. However, the top 25 ranks are dominated by Chinese universities, including the first four ranks. China's Tsinghua University tops the list, followed by Peking University.

IIT-Roorkee is ranked 51st, followed by IIT-Gauhati at 52nd. Calcutta University is at the 64th position, Jadavpur University at the 74th, Chennai's Anna University at 85th and IIT-Hyderabad at the 100th spot in the rankings.

The Quacquarelli Symonds Asia University Rankings 2018 were released in October, with nine Indian universities in the top 100, but none in the top 10. In the QS World University Rankings 2018, IIT-Delhi was India's best university with a rank of 159.

How are they ranked?

This year's list features 300 universities, ranked on several parameters – academic reputation, employer reputation, international students, faculty staff with PhD, faculty-student ratio, papers per faculty – among others.

Date: 23rd November 2017

Publication: DNA

Edition: Online

Journalist: NA

Headline: 4 Indian institutes in top 20 of BRICS QS varsity ranking

URL: <http://www.dnaindia.com/india/report-4-indian-institutes-in-top-20-of-brics-qv-arsity-ranking-2561935>

4 Indian institutes in top 20 of BRICS QS varsity ranking

Indian Institute of Technology (IIT), Bombay topped among Indian institutes in the recently released QS Rankings for BRICS countries, ranking ninth.

Top-ranked institute globally among BRICS countries is Tsinghua University in China, which has constantly found place in various QS Rankings, including QS World University rankings.

The three other Indian institutes in the top 20 of BRICS QS Rankings this year are Indian Institute of Science (IISc), Bangalore, IIT, Delhi and IIT, Madras. QS, regarded the most credible ranking for education institutions worldwide, was announced on Wednesday.

IIT Bombay, Delhi and Madras had also found place in top 50 in the QS Asia rankings released last month.

Other Indian institutes that figures in the BRICS Rankings are Delhi University and IIT, Roorkee.

Talking about the position of Indian institutes in the QS Rankings, University Grants Commission chairman VS Chauhan said, "It is important for education institutions to collate what they are doing and an exercise like ranking makes sure that universities document their work. Our universities usually do a lot of good work but they do not document it."

Among private institutions, Birla Institute of Science and Technology (BITS), Pilani ranked 109 globally and number one in India.

The government has been trying to catapult Indian institutes to world rankings, for which they have decided to develop 20 institutes — 10 public and 10 private ones — as institutes of eminence, ones that can compete with top-rated global institutions.

Date: 23rd November 2017

Publication: Hindustan Times

Edition: Online

Journalist: NA

Headline: IITs in Bombay, Delhi, Madras, IISc Bangalore among top 20 BRICS universities

URL: <http://www.hindustantimes.com/education/qs-rankings-iit-bombay-iit-delhi-iit-madras-iisc-bangalore-among-top-20-brics-universities/story-xJdcpYnt1fMDrqlnlgRxII.html>

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Last year, IISc Bangalore was the only Indian institution to figure in the top 10 with rank 6.

Chauhan, while noting that the country is at a very early stage of its universities coming of age, said, “We will celebrate that day when of 350 universities 150 of them will be Indian institutions in the BRICS rankings.”

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Date: 23rd November 2017

Publication: News 18

Edition: Online

Journalist: NA

Headline: QS Rankings: 3 IITs, IISc Bangalore Among Top 20 BRICS Varsities

URL: <http://www.news18.com/news/india/qs-rankings-3-iits-iisc-bangalore-among-top-20-brics-varsities-1584943.html>

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Date: 23rd November 2017

Publication: The Indian Express

Edition: Online

Journalist: NA

Headline: QS ranking 2018: IIT Bombay at rank 9 among BRICS universities

URL: <http://indianexpress.com/article/education/qs-ranking-2018-iit-bombay-at-rank-9-among-top-universities-in-brics-nations-4949618/>

QS ranking 2018: IIT Bombay at rank 9 among BRICS universities

Quacquarelli Symonds (QS) has on Wednesday announced the best universities among BRICS nations and the Indian Institute of Technology Bombay (IIT-B) has secured the ninth position while the Indian Institute of Science (IISc) is at number 10. Over 300 universities from India, China, Russia, South Africa and Brazil have been observed and graded this year.

IIT Roorkee has been ranked at 51 among the best universities in BRICS nations. IIT Delhi, IIT Kharagpur and IIT Guwahati are some of the top universities from India to feature on the list. Among private varsities from India, BITS Pilani, Thapar University, Symbiosis International University and OP Jindal Global University have made an appearance on the list.

“The biggest gain from ranking is to be able to look at ourselves. Our universities are producing quality work,” said UGC chairman Dr Ved Singh Chauhan.

He further said that Indian education has expanded and we are trying to change a lot of regulations which are made long ago. “Role of ranking in terms of students getting to know about the institutions can’t be negated, but also sometimes overplayed. Rankings are relevant for institutions and most importantly because of the rankings what happened in India is that institutions have started to look at themselves,” said Chauhan.

Last year, IISc ranked at the sixth position among all universities in BRICS nations. It was closely followed by IIT Bombay, IIT Delhi, IIT Madras and IIT Kanpur at ranks 13, 15, 19 and 22 respectively.

Like last year, Chinese universities — Tsinghua University, Peking University, Fudan University and the University of Science and Technology of China had topped the ranks in 2017, occupying seven of the top 10 ranks. India had the second highest representation in the 2017 list after China.

“With 300 universities being ranked this year, there’s also the opportunity for new institutions to break into the rankings,” QS top universities said.

Here are the top 10 universities in BRICS nation

Tsinghua University (China)

Peking University (China)

Fudan University (China)

University of Science and Technology of China

Lomonosov Moscow State University (Russia)

Zhejiang University (China)
Shanghai Jiao Tong University (China)
Nanjing University (China)
Indian Institute of Technology Bombay (India)
Indian Institute of Science (India)

Date: 23rd November 2017

Publication: Skill Outlook

Edition: Online

Journalist: NA

Headline: Two Indian Universities find place among top ten of the BRICS

URL: <http://skilloutlook.com/study-abroad/two-indian-universities-find-place-among-top-ten-brics>

Two Indian Universities find place among top ten of the BRICS

London, 22 November 2017: Two Indian Institutes place among the top 10 QS World University Rankings: BRICS 2018— one more than last year. Indian Institute of Technology (IIT) Bombay and Indian Institute of Science (IISc) Bangalore breaks into the top ten BRICS university list.

QS Quacquarelli Symonds, global higher education analysts, have today released the 2018 edition of the QS World University Rankings: BRICS. The table, which is designed to provide insight into the comparative performance of universities in Brazil, China, India, Russia, and South Africa.

IIT Bombay rises from 13th to 9th, thus making its first-ever appearance in the top ten of this table. It is joined by IISc Bangalore, which falls from 6th to 10th. The table is led once again by China's Tsinghua University, and Chinese institutions take 4 of the top 5 places.

Two more Indian institutions feature in the top 20: IIT Delhi, which falls to 17th from 15th; and IIT Madras, which rises from 19th to 18th.

India's strength, relative to universities in other BRICS nations, lies in the fact that its universities have high proportions of qualified faculty. 15 Indian universities receive a perfect score of 100/100 for QS's Staff with PhD indicator.

The research productivity of India's universities is also one of its strengths. Three Indian universities – IISc Bangalore, Institute of Chemical Technology Mumbai, and IIT Delhi – receive 100/100 for Papers per Faculty. Additionally, all of the top seven scores for this indicator are achieved by Indian universities;

However, the quantity of Indian research is greater than its quality, on average. QS's Citations per Paper metric measures the impact of a university's research output. No Indian entrant achieves a top-10 score for this indicator, which is dominated by Chinese universities;

In total, 65 Indian universities are ranked. This is more than Brazil (61) and South Africa (12), but fewer than Russia (68) and China (94).

Ben Sowter, Research Director at QS, said: "This ranking allows Indian policymakers, academics, and administrators to measure the performance of their higher education system against competitors with similar aspirations. The 2018 edition indicates that Indian universities – should they wish to compete with the dominant Chinese system – need to implement frameworks that encourage the production of high-impact research. Creating extensive international research networks allows collaboration, and ensures

that research receives a wider reach. Doing so will assist India's best universities as they attempt to become more globally-competitive."

Date: 23rd November 2017

Publication: News Nation

Edition: Online

Journalist: NA

Headline: QS Rankings 2018: 3 IITs and IISc, Bangalore among top 20 varsities in BRICS countries

URL: <http://www.newsnation.in/education/higher-studies/qs-rankings-2017-3-iits-and-iisc-bangalore-among-top-20-varsities-in-brics-countries-article-186899.html>

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“Role of ranking in terms of students getting to know about the institutions cant be negated, but also sometimes overplayed. Rankings are relevant for institutions and most importantly because of the rankings what happened in India is that institutions have started to look at themselves,” UGC chairman VS Chauhan said at unveiling of rankings here.

“Indian education has expanded and we are trying to change a lot of regulations which are made log ago. In this there is space for rankings and the government is also realizing this that the universities are a matter of prestige for the country,” he added.

India has the second highest representation in the 2017 list after China.

Last year, IISc Bangalore was the only Indian institution to figure in the top 10 with rank 6.

Chauhan, while noting that the country is at a very early stage of its universities coming of age, said, “We will celebrate that day when of 350 universities 150 of them will be Indian institutions in the BRICS rankings.”

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Date: 23rd November 2017

Publication: The Financial Express

Edition: Online

Journalist: NA

Headline: IITs, IISc Bangalore among top 20 BRICS varsities in QS Rankings, Chinese institutes do well too

URL: <http://www.financialexpress.com/education-2/iits-iisc-bangalore-among-top-20-brics-varsities-in-qs-rankings-chinese-institutes-do-well-too/943907/>

IITs, IISc Bangalore among top 20 BRICS varsities in QS Rankings, Chinese institutes do well too

The Quacquarelli Symonds (QS) ranking are out and three IITs and the Indian Institute of Science, Bangalore have made it to the top 20 list in BRICS countries. Chinese universities, including Tsinghua University, Peking University, and Fudan University have secured the top three ranks with the country occupying eight of the top 10 positions. The prestigious rankings observed and graded over 300 universities India, China, Russia, South Africa and Brazil. The highest ranking achieved from India was ninth secured by Indian Institute of Technology Bombay. It is followed by IISc, Bangalore (10), IIT Delhi (15) and IIT Madras (18).

UGC Chairman VS Chauhan said that role of ranking in terms of students getting to know about the institutions can't be negated, however, he said that it is also sometimes overplayed. Rankings are relevant for institutions and it has enabled institutions in India to look at themselves. He added that the "Indian education has expanded and UGC is trying to change a lot of regulations made long ago. In this there is space for rankings and the government is also realizing this that the universities are a matter of prestige for the country.

India has the second highest representation in the 2017 list after China. India has improved in the rankings as last year, only IISc Bangalore figured in the top 10 with rank 6. Chauhan, while noting that the country is at a very early stage of its universities coming of age, said, "We will celebrate that day when of 350 universities 150 of them will be Indian institutions in the BRICS rankings."

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Date: 23rd November 2017

Publication: News 18

Edition: Online

Journalist: NA

Headline: QS Rankings: 3 IITs, IISc Bangalore Among Top 20 BRICS Varsities

URL: <http://www.news18.com/news/india/qs-rankings-3-iits-iisc-bangalore-among-top-20-brics-varsities-1584943.html>

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Date: 23rd November 2017

Publication: Times Now

Edition: Online

Journalist: NA

Headline: QS Rankings 2018 for BRICS region: IIT Bombay trumps IISc Bangalore, makes it to Top 10

URL: <http://www.timesnownews.com/education/article/qs-rankings-2018-for-brics-region-iit-bombay-iisc-bangalore-indian-universities-in-top-100/131195>

QS Rankings 2018 for BRICS region: IIT Bombay trumps IISc Bangalore, makes it to Top 10

New Delhi: There is some good and not so good news for Indian universities. In the latest set of international university rankings released by Quacquarelli Symonds, QS, IITs Bombay, Delhi and Madras along with IISc Bangalore have made it to Top 20 universities. The list mentioned refers to the QS Rankings for 2017 of Top Universities in BRICS or Brazil, Russia, India, China and South Africa region. IISc continues to slip. In an earlier ranking too, the top institute in the country had failed to make a mark.

In the rankings, IIT Bombay draws the top spot at number 9 among the Indian universities, pushing back IISc Bangalore to tenth position. This is a slip for IISc Bangalore which was at number 6 last year. IIT Delhi has also slipped from 15th position to 17th position while IIT Madras has gained a position from 19 to 18th rank in 2018 rankings. The top slots, however, have all been picked by Chinese Universities with Tsinghua University, Peking University and Fudan University picking up the first, second and third rank respectively.

Extending the rankings, Delhi University has picked the 41st position, followed by University of Calcutta at number 64 and Jadavpur University at number 74. The complete list of Indian Universities in Top 100 of QS World University Rankings 2018 for BRICS region is provided below. A total of 14 universities from India have made it to top 100.

List of Indian Universities with Rank in the QS World University Rankings 2018 BRICS Region Top 100

Rank	Name of the University
9	Indian Institute of Technology Bombay (IITB)
10	Indian Institute of Science (IISc) Bangalore
17	Indian Institute of Technology Delhi (IITD)
18	Indian Institute of Technology Madras (IITM)
21	Indian Institute of Technology Kanpur (IITK)
24	Indian Institute of Technology Kharagpur (IIT-KGP)
41	University of Delhi
51	Indian Institute of Technology Roorkee (IITR)
52	Indian Institute of Technology Guwahati (IITG)
64	University of Calcutta
74	Jadavpur University
82	University of Mumbai
85	Anna University
100	Indian Institute of Technology, Hyderabad

Speaking to HT, UGC Chairman VS Chauhan commented, "Indian education has expanded and we are trying to change a lot of regulations which are made log ago. In this there is space for rankings and the government is also realizing this that the universities are a matter of prestige for the country." India is the second country after China in terms of representations in the QS World University Rankinsg 2018 for BRICS regions.

Date: 23rd November 2017

Publication: India Today

Edition: Online

Journalist: NA

Headline: QS Rankings 2018: 5 IIts, IISc Bangalore make it to top 25 BRICS universities

URL: <http://indiatoday.intoday.in/education/story/qs-rankings-2018-iit-iisc-bangalore-brics/1/1095429.html>

QS Rankings 2018: 5 IIts, IISc Bangalore make it to top 25 BRICS universities

The QS BRICS University rankings have been released on the official website. To our surprise, six universities of India including IITs and IISc Bangalore have made it to top 25 universities.

Launched in 2013, the QS BRICS university rankings is an annual ranking of the top universities in the five BRICS countries -- Brazil, Russia, India, China and South Africa. It features 300 top universities from five countries.

The first rank has been secured by Tsinghua University, while the second position was grabbed by Peking University. Fudan University is at the third spot.

Indian rankings stood at the following:

- Rank 9: Indian Institute of Technology Bombay (IITB)
- Rank 10: Indian Institute of Science (IISc) Bangalore
- Rank 17: Indian Institute of Technology Delhi (IITD)
- Rank 18: Indian Institute of Technology Madras (IITM)
- Rank 21: Indian Institute of Technology Kanpur (IITK)
- Rank 24: Indian Institute of Technology Kharagpur (IIT-KGP)

Following is the list of the top 25 rank holders:

1. Tsinghua University
2. Peking University
3. Fudan University
4. University of science and Technology of China
5. Lomonosov Moscow State University
6. Zhejiang University
7. Shanghain Jian Tong University
8. Nanjing University
9. Indian Institute of Technology Bombay (IITB)
10. Indian Institute of Science (IISc) Bangalore
11. Novosibirsk State University
12. Universidade Estadual de Campinas (Unicamp)
13. Saint Petersburg State University

14. Universidade de Sao Paulo
15. Wuhan University
16. Sun Yat-sen University
17. Indian Institute of Technology Delhi (IITD)
18. Indian Institute of Technology Madras (IITM)
19. University of Cape Town
20. Harbin Institute of Technology
21. Indian Institute of Technology Kanpur (IITK)
22. Tongji University
23. Xi'an Jiaotong University
24. Indian Institute of Technology Kharagpur (IIT-KGP)
25. Beijing Normal University

Factors behind choosing the universities are the following:

According to the official website, "The BRICS ranking is compiled using eight different indicators, including the ratio of faculty to students, the proportion of academic staff with a PhD and the institution's reputation among academics and employers."

Date: 23rd November 2017

Publication: The Print

Edition: Online

Journalist: NA

Headline: IIT-Bombay jumps into top 10 of BRICS university rankings, IISC Bangalore falls four spots

URL: <https://theprint.in/2017/11/23/iit-bombay-iisc-bangalore-top-10-quacquarelli-symonds-latest-rankings-brics-countries/>

IIT-Bombay jumps into top 10 of BRICS university rankings, IISC Bangalore falls four spots

QS rankings gives greater weight to universities with focus on hard-sciences, Chinese universities emerge on top again.

In Quacquarelli Symonds' (QS) recently released university rankings for BRICS countries, the Indian Institute of Technology, Bombay (IIT-B), and the Indian Institute of Science, Bangalore (IISC) are ranked in the top 10. Seven of the top 10 universities are Chinese and the two Indian institutes are ranked nine and ten respectively.

However, IISC has fallen in this year's ranking. The Bengaluru-based institute, which was ranked 6 in last year's ranking has fallen to rank 10.

In contrast, IIT-Bombay has risen from rank 13 to rank 9.

When the QS World University rankings were released in June, no Indian university made it to the top 100. In the QS Asia University Rankings 2018 that were released in October, nine Indian universities made it to the top 100, but none featured in the top 10.

In the new BRICS university rankings, which was topped by China's Tsinghua University, three IITs—Delhi, Kharagpur and Madras—made it into the top 25. IIT Roorkee, IIT-Gauhati, Calcutta University, Jadavpur University, Anna University and IIT Hyderabad featured among the top 100.

How are the universities ranked?

The QS BRICS list ranks 300 universities from Brazil, Russia, India, China and South Africa. The ranking is based on parameters such as peer reviews, employer reputation, international students, the number of citations, faculty staff with PhD, student-to-faculty ratio, etc.

However, the ranking has also received a fair share of criticism for its methodology, including the use of citation databases that are more likely to cover natural sciences. Critics say this gives lower importance towards social sciences research.

Date: 23rd November 2017

Publication: Rashtriya Sahara

Edition: Delhi

Page no.: 1

Journalist: NA

Headline: IIT Bombay 9th best in BRICS univ ranking

IIT मुंबई देश में अक्वल, ब्रिक्स में 9वें स्थान पर

■ नई दिल्ली। (एजेंसियां)

क्यूएस की तरफ से जारी नई रैंकिंग में ब्रिक्स देशों के शीर्ष 20 विश्वविद्यालयों में तीन आईआईटी और भारतीय विज्ञान संस्थान बेंगलुरु को शामिल किया गया है। क्वाकवारेली सायमंड्स (क्यूएस) रैंकिंग में भारत, चीन, रूस, दक्षिण अफ्रीका और ब्राजील के 300 विश्वविद्यालयों का आकलन किया गया और उनकी ग्रेडिंग की गई। क्यूएस को विश्व के प्रतिष्ठित रैंकिंग में गिनना जाता है। भारतीय प्रौद्योगिकी संस्थान मुंबई को नौवां स्थान दिया गया है, जिसके बाद आईआईएमसी बेंगलुरु को दसवां, आईआईटी दिल्ली को 15 वं और आईआईटी मद्रास को 18 वं स्थान दिया गया है।

चीन के शिंजुआ विश्वविद्यालय, पैकिंग विश्वविद्यालय और फुडान विश्वविद्यालय को शीर्ष तीन रैंकिंग हासिल हुई है और शीर्ष दस में इसके आठ विश्वविद्यालय शामिल हैं। यूजीसी के अध्यक्ष



वीएस चौहान ने यहां रैंकिंग जारी करते हुए कहा कि रैंकिंग संस्थानों के लिए महत्वपूर्ण हैं और भारत में रैंकिंग के कारण संस्थानों ने खुद

देश के शीर्ष सरकारी विवि

- आईआईटी मुंबई
- आईआईएमसी बेंगलुरु
- आईआईटी दिल्ली
- आईआईटी मद्रास
- आईआईटी रुड़की
- आईआईटी कानपुर
- दिल्ली विश्वविद्यालय
- कोलकाता विश्वविद्यालय

देश के शीर्ष निजी विवि

- बिटरा पिलानी
- धार विश्वविद्यालय
- सिबायसिस विवि
- मणिपाल विश्वविद्यालय
- अमृता विश्वविद्यालय
- वीआईटी विश्वविद्यालय
- कर्लिंग विश्वविद्यालय
- ओपी जिंदल ग्लोबल विवि

की तरफ देखा शुरू कर दिया है। वर्ष 2017 की सूची में चीन के बाद भारत का सर्वाधिक प्रतिनिधित्व है।

Date: 24th November 2017

Publication: The Hindu

Edition: Online

Journalist: NA

Headline: IITs, IISc find place in QS BRICS rankings

URL: <http://www.thehindu.com/news/national/china-tops-in-qs-brics-rankings/article20664150.ece>

IITs, IISc find place in QS BRICS rankings

Some Indian institutions have made it to the top 20 in the QS University rankings: BRICS 2018.

However, the top three slots are with Chinese universities. Tsinghua University, Peking University and Fudan University of China are at the top of the rankings.

Four Indian institutions — IIT Bombay, Indian Institute of Science, Bengaluru, IIT Delhi, and IIT Madras — feature in the top 20, with IIT Bombay at the ninth position.

IIT Roorkee is ranked 51, IIT Gauhati 52 and Calcutta University 64.

UGC Chairman V.S. Chauhan said the rankings for all their complexities had given the Indian universities the opportunity to collate the good work done by them.

Date: 24th November 2017

Publication: The Hindu

Edition: Chennai

Page no.: 2

Journalist: NA

Headline: IIT-M placed 264th in world ranking

URL: <http://www.thehindu.com/news/cities/chennai/iit-m-placed-264th-in-world-ranking/article20737817.ece>

IIT-M placed 264th in world ranking

It is 18th among BRICS countries while Anna University is placed 85th

SPECIAL CORRESPONDENT

CHENNAI

The Quacquarelli Symonds (QS) World University Rankings 2018 that was released on Thursday has placed the Indian Institute of Technology-Madras at the 264th rank among world universities.

Known for its electrical engineering programme, it is placed among the 51-100 rank band for the subject and 18th in the BRICS (Brazil, Russia, India, China and South Africa) ranking.

Eight indicators

Anna University is placed 85th among BRICS countries. Reputed for its chemical engineering programme, the university is ranked in the 201-250 band among the BRICS countries.

Among world universities, it is placed in the 651 to 700 rank band for citation per faculty of research papers.

The Tamil Nadu Agricultural University is ranked 105th and the Madras Un-

iversity is placed in the 171-180 band among BRICS countries.

"The BRICS ranking is compiled using eight different indicators, including

the ratio of faculty to students, the proportion of academic staff with a Ph.D and the institution's reputation among academics and employers," according to

the website.

The ranking organisation has placed the Indian Institute of Science Bengaluru at the 190th rank among world institutions.

Date: 24th November 2017

Publication: Newburgh Gazette

Edition: Online

Journalist: NA

Headline: IIT-B ranks 9th in QS varsity's BRICS ranking

URL: <http://newburghgazette.com/2017/11/23/b-ranks-9th-in-qs-varsitys-brics-ranking/>

IIT-B ranks 9th in QS varsity's BRICS ranking

Quacquarelli Symonds (QS) has released its rankings for the best universities among the BRICS nations and IIT-B secured its position in top 10 universities with rank 9. While IIT Bombay has secured ninth rank, IISc Bangalore was ranked 10th and IIT Delhi 15th. The results of BRICS university rankings 2018 were announced on Wednesday, November 22, 2018 by QS, a global higher education analysis. Since its last appearance in 2016/17 in the rankings, IIT Bombay has moved up 4 places this year. Among the parameters on which the universities are judged under the ranking system is academic reputation and employer reputation from global survey, faculty-student ratio, number of faculties holding Ph.D, papers published by the faculty members, citations, proportion of worldwide students and faculty in the university. It certainly remains to be an auspicious year for India as four universities, i.e. IIT-Bombay, IISc-Bangalore, IIT-Delhi at 15 and IIT-Madras at 18 - continued to feature among the Top 20, unchanged from 2016. The ranking is based on parameters such as peer reviews, employer reputation, worldwide students, the number of citations, faculty staff with PhD, student-to-faculty ratio, etc. Among these ten parameters, Employer Reputation indicated the strongest one for IIT Bombay with a rank of 8 in BRICS. To our surprise, six universities of India including IITs and IISc Bangalore have made it to top 25 BRICS universities. The ranking is a reflection of the progress being made by the institute in its core areas of work: teaching and research. "In this there is space for rankings and the government is also realizing this that the universities are a matter of prestige for the country", he added. Devang Khakhar, IIT Bombay director in an interview with TOI. "I am grateful for the honest efforts of faculty, staff, students, alumni and well-wishers of the Institute", said Prof Devang Khakhar, Director, IIT Bombay. Moscow Institute of Physics and Technology has climbed from 47th to 28th. According to Quacquarelli Symonds, the company uses "eight metrics to evaluate universities for the QS World University Rankings: BRICS". Fudan University is at the third spot. Among the private universities, BITS Pilani, Thapar University and Symbiosis International University made their mark on the list.

Date: 24th November 2017

Publication: ABP Live

Edition: Online

Journalist: NA

Headline: QS BRICS Ranking: IIT Bombay, IISc Bangalore among top 10

URL: http://www.abplive.in/india-news/qs-brics-ranking-iit-bombay-iisc-bangalore-among-top-10-607559?rs_type=piStats&rs_origin=trending&rs_medium=section&rs_index=1

QS BRICS Ranking: IIT Bombay, IISc Bangalore among top 10

New Delhi: IIT Bombay and IISc Bangalore were ranked among the top 10 universities in the latest QS University rankings for the BRICS nations.

Indian Institute of Technology Bombay (IITB) scored 83.6 while Indian Institute of Science (IISc) Bangalore got an overall score of 83.3.

Approximately 300 Institutions across the BRICS nations grabbed a slot in the latest BRICS QS Rankings.

Launched in the year 2013, the BRICS ranking is compiled using eight different indicators, namely -

Academic reputation

Employer reputation

Faculty to student ratio

Staff with a PhD

Papers per faculty

Citations per paper

International faculty

International students

The Indian Institute of Technology (IIT) Bombay and the Indian Institute of Sciences (IISc) Bangalore were ranked 9th and 10th respectively. Last year, only IISc Bangalore was among the top 10.

While our neighbor, China, got a total of seven varsities in the top ten slot. China's Tsinghua, Peking and Fudan universities grabbed the top three positions.

Two other Indian universities which were ranked in the top 20 were IIT Delhi and IIT Madras.

Date: 24th November 2017

Publication: The Tribune

Edition: Online

Journalist: NA

Headline: PU slips to 201-250 bracket

URL: <http://www.tribuneindia.com/news/chandigarh/pu-slips-to-201-250-bracket/502758.html>

PU slips to 201-250 bracket

In the QS BRICS Rankings 2018, Panjab University (PU) has fallen to bracket of 201-250. In India, it is ranked at 50. In the previous year's edition, PU was in the bracket of 151-200 while it was ranked 25th in the country.

In QS BRICS Rankings 2016, the university was again in the 151-200 bracket but its India rank was 30th. QS BRICS University Rankings is calculated for five BRICS countries — Brazil, Russia, India, China and South Africa.

Eight indicators are used for calculating rankings. The academic reputation has 30 per cent marks, employer reputation 20 per cent, faculty-student ratio 20 per cent, staff with PhD 10 per cent, papers per faculty 10 per cent, citations per paper at 5 per cent, international faculty 2.5 per cent and the international students have 2.5 per cent.

Scopus database is used for research papers.

In QS BRICS Rankings 2018, the PU has scored 32.7 in academic reputation, 32.1 in faculty staff with PhD, 38.1 in papers per faculty and 44.4 in citations per paper. It has not been given marks for the rest of the parameters.

Among Indian institutions in the overall BRICS Rankings 2018, the Indian Institute of Technology (IIT) Bombay is 6th, Indian Institute of Science (IISc) is 10th, Delhi IIT is 17th, IIT Madras is 18th, Kanpur IIT is 21st, Kharagpur IIT is 24th, University of Delhi is 41st and Roorkee IIT is at the 51st spot.

"The QS Rankings are the most opaque. It is not clear how they have calculated the academic reputation and employer reputation. It doesn't make any difference to me. Their criteria are wrong. Banaras Hindu University (BHU) is ranked lower than Thapar University, Patiala. Dr Harisingh Gour University, Sagar, is ranked 23rd in the country," said Prof M Rajivlochan, director, Internal Quality Assurance Cell (IQAC). Prof Rajesh Gill, president, Panjab University Teachers' Association (PUTA), said: "It is worrisome that we are going down in all rankings for the past three-four years. The way things are happening, we need to introspect. We have to check both quality and quantity of research."

Indicators for rankings

Eight indicators are used for calculating rankings. The academic reputation has 30 per cent marks, employer reputation 20 per cent, faculty-student ratio 20 per cent, staff with PhD 10 per cent, papers per

faculty 10 per cent, citations per paper at 5 per cent, international faculty 2.5 per cent and the international students have 2.5 per cent.

Other varsities

Thapar University, Patiala, is at 137th rank in the overall BRICS Rankings 2018 and 26th in the country. It has scored 32.6 in employer reputation, 27.7 in faculty-student ratio, 13 in international faculty, 57.7 in faculty staff with PhD, 67.5 in papers per faculty and 41.2 in citations per paper. The university was not evaluated in previous editions.

University of Kashmir, Srinagar, is ranked 150 in the QS BRICS Rankings 2018 while in the previous year, it was 151. It is at the 32nd rank in the country in the 2018 edition of rankings. It has scored 77.7 in faculty-student ratio, 80.8 in faculty with PhD and 26.2 in papers per faculty.

Kurukshetra University is in the bracket of 251-300. It is included for the first time. In India, its rank is 59th. It has 59.6 marks for faculty staff with PhD, 29.7 marks in papers per faculty and 32.7 in citations per paper.

Date: 24th November 2017

Publication: Dinaithazh

Edition: Chennai

Page no.: 6

Journalist: NA

Headline: IIT Madras ranked 18th BRICS ranking

பிரிக்ஸ் நடத்திய ஆய்வு தரவரிசைப் பட்டியலில்

சென்னை ஐ.ஐ.டி.க்கு 18-வது இடம்

புதுடெல்லி நவ 24
சர்வதேச தரத்திலான
பல்கலைக்கழகங்களுக்
கான தரவரிசைப் பட்
டியலில் சென்னை
ஐ.ஐ.டி.க்கு 18வது இடம்
இடைத்துள்ளது என
பிரிக்ஸ் வெளியிட
ள்ளது.

இந்தியா, சீனா,
பர்மியா, தென் ஆபிரிக்கா,
இரேசிய ஆசிய நாடு
களின் கூட்டமைப்பான
பிரிக்ஸ் நடத்திய ஆய்
வில், 300 பல்கலைக்க
ழகங்களை சர்வதேசத்
தரத்திலானவை என்று



தேர்வு செய்துள்ளது.இந்
தப்பட்டியலில் சென்னை
ஐ.ஐ.டி. 18வது இடத்
திலும்,டெல்லி ஐ.ஐ.டி.
15வது இடத்திலும், பெங்

களுகு ஐ.ஐ.டி. 10வது
இடத்திலும் உள்ளன.

சீனாவின் பெய்ஜிங்
பல்கலைக்கழகம் உள்
விட்ட கல்விநிறுவனங்

கள் முதல் மூன்று இடங்
களைப் பெற்றுள்ளன.

இதனைத் தெரி
வித்த பல்கலைக்கழக
மானியக் குழு தலைவர்
வி.எஸ்.சவுகான், முந்
தைய நடைமுறைகளை
மாற்றுவதற்கான முயற்சி
கள் மேற்கொள்ளப்பட்டு
வருவதாக தெரிவித்
துள்ளார். மேலும் பல
கலைக்கழகங்களால்
நாட்டின் பெருமையை
உயர்த்த முடியும் என்
பதை அரகம் உணர்ந்தி
ருப்பதாக சவுகான் தெரி
வித்தார்.

Date: 25th November 2017

Publication: The Hindu

Edition: Online

Journalist: NA

Headline: Calicut University stands 6th among Indian varsities

URL: <http://www.thehindu.com/news/national/kerala/calicut-university-stands6th-among-indian-varsities/article20789333.ece>

Calicut University stands 6th among Indian varsities

Brics ranks it 18th in the higher education category

The University of Calicut has won the sixth position among Indian universities in the latest Brics University Rankings. The university has won the 18th position among the country's higher education institutions that included Indian Institutes of Technology (IITs).

When Calicut University topped among the universities in the State, its overall ranking among Brics nations (Brazil, Russia, India, China, and South Africa) rose to 114th position.

Several criteria such as academic excellence and specialty, respect given by industry firms offering jobs, student-teacher ratio, teacher skills and quality, international student representation, webometrics rankings, number of teachers with doctoral degrees, number of journals and publications, and excellence in research were considered for the Brics rankings.

The top institutions that ranked above Calicut University in India were IIT Bombay, IISC Bangalore, IIT Delhi, IIT Madras, IIT Kanpur, IIT Kharagpur, Delhi University, IIT Roorkee, IIT Guwahati, University of Calcutta, Jadavpur University, Mumbai University, Anna University, IIT Hyderabad, Tamil Nadu Agricultural University, IIT Patna, and BITS Pilani.

Calicut University Vice Chancellor K. Mohammed Basheer congratulated his colleagues, staff and students on the university campus on the achievement. He said the changes adopted by the university in tune with the changing times had helped the institution achieve top ranking.

Date: 25th November 2017

Publication: News World

Edition: Online

Journalist: Divya Asthana

Headline: QS BRICS Varsity Rankings: OP Jindal Global University Youngest On List, 3 IITs, IISc Bangalore Among Top 20

URL: <http://www.newsworldindia.in/null/qs-brics-varsity-rankings-op-jindal-global-university-youngest-on-list/281243/>

QS BRICS Varsity Rankings: OP Jindal Global University Youngest On List, 3 IITs, IISc Bangalore Among Top 20

One of the global prestigious rankings in the field of education, Quacquarelli Symonds (QS) ranking for 2018 has shown that from 9,000 varsities across the BRICS nations Brazil, Russia, India, China and South Africa, 3 IITs and IISc Bangalore have secured ranks among the top 20 BRICS varsities. OP Jindal Global University, established in 2009, is the youngest university to be featured on the QS rankings.

In the latest ratings of top BRICS universities, Indian Institute of Technology Bombay (IITB) is at rank 9, Indian Institute of Science (IISc) Bangalore is at rank 10, Indian Institute of Technology Delhi (IITD) is at rank 17 and Indian Institute of Technology Madras (IITM) is at rank 18.

The top 10 public varsities as per the QS rankings are IIT Bombay, IISc Bangalore, IIT Delhi, IIT Madras, IIT Roorkee, IIT Kanpur, Delhi University and Kolkata University.

The ratings have also shown that the top 10 private universities in the country are BITS Pillani, Thapar University, Symbiosis International University, Manipal University, Amrita University, VIT University, Kalinga University and OP Jindal Global University.

"Role of ranking in terms of students getting to know about the institutions can't be negated, but also sometimes overplayed. Rankings are relevant for institutions and most importantly because of the rankings what happened in India is that institutions have started to look at themselves," UGC Chairman VS Chauhan said at the unveiling of rankings in New Delhi.

"Indian education has expanded and we are trying to change a lot of regulations which are made long ago. In this there is space for rankings and the government is also realizing this that the universities are a matter of prestige for the country," he added.

Noting that India is still at a very early stage of its universities coming of age, Chauhan said "We will celebrate that day when of 350 universities 150 of them will be Indian institutions in the BRICS rankings."

India still has the second highest representation on the list after China.

The rankings have been granted based on 8 performance indicators, namely, academic reputation, employer reputation, the proportion of staff with Ph.D., faculty/student ratio, research publications and citation rates, and the proportion of international faculty and students.

Date: 27th November 2017

Publication: Vikatan

Edition: Online

Journalist: NA

Headline: IIT Madras in top 20 in the BRICS University Ranking List

URL: <https://www.vikatan.com/news/world/108966-brics-countries-university-ranking-chennai-iit-at-18th-place.html>

‘பிரிக்ஸ்’ பல்கலைக்கழக `டாப்-20’ பட்டியலில் சென்னை ஐ.ஐ.டி! #IIT

Chennai:

பிரேசில், ரஷ்யா, இந்தியா, சீனா மற்றும் தென்னாப்பிரிக்கா நாடுகளின் கூட்டமைப்பே ‘பிரிக்ஸ் (BRICS)’ என்று அழைக்கப்படும். பிரிக்ஸ் நாடுகளில் உள்ள பல்கலைக்கழகங்களின் தரவரிசைப் பட்டியலை, இங்கிலாந்தைச் சேர்ந்த ‘Quacquarelli Symonds’ என்ற நிறுவனம் வெளியிட்டிருக்கிறது. இதில் இந்தியாவைச் சேர்ந்த ஐ.ஐ.டி-கள் முக்கிய இடத்தைப் பிடித்திருக்கின்றன. சென்னை ஐ.ஐ.டி (IIT), டாப்-20 பட்டியலில் 18-வது இடத்தைப் பிடித்திருக்கிறது.

டாப்-10 வரிசையில் மும்பை ஐ.ஐ.டி 9-வது இடத்தையும், பெங்களூரு இந்திய அறிவியல் கழகம் 10-வது இடத்தையும் பிடித்திருக்கின்றன. டாப்-20 வரிசையில் டெல்லி ஐ.ஐ.டி 15-வது இடத்தையும், சென்னை ஐ.ஐ.டி 18-வது இடத்தையும் பிடித்திருக்கின்றன. சீனாவைச் சேர்ந்த சிங்குவா பல்கலைக்கழகம், பீகிங் யூனிவர்டிடி, ஃபுடான் பல்கலைக்கழகம் மற்றும் சீன அறிவியல் மற்றும் தொழில்நுட்பப் பல்கலைக்கழகம் ஆகியவை முதல் நான்கு இடங்களில் உள்ளன.

சீனாவுக்கு அடுத்து, இந்தியப் பல்கலைக்கழகங்கள்தான் அதிகளவில் இந்தப் பட்டியலில் இடம்பிடித்திருக்கின்றன. கல்வி நிறுவனத்தின் மதிப்பு, ஆசிரியர்களின் மதிப்பு, மாணவர்கள் - ஆசிரியர்கள் விகிதாசாரம், முனைவர் பட்டம் பெற்ற ஆசிரியர்களின் எண்ணிக்கை, ஆராய்ச்சிக் கட்டுரைகளின் தரம் என, பத்து தரக்குறியீடுகளின் அடிப்படையில் இந்தத் தரவரிசைப் பட்டியலைத் தயாரித்திருக்கிறார்கள்.

பிரிக்ஸ் நாடுகளில் உள்ள பல்கலைக்கழகங்களுடன் ஒப்பிடும்போது தகுதிவாய்ந்த ஆசிரியர்கள் இந்தியப் பல்கலைக்கழகங்களில் அதிக விகிதாசாரத்தில் இருப்பது தெரியவருகிறது. டாப்-100 பட்டியலில் இடம்பிடித்த அனைத்து இந்தியப் பல்கலைக்கழகங்களிலும் பேராசிரியர்களின் தகுதிக்கான மதிப்பெண்ணை முழுமையாகப் (100-க்கு 100 மதிப்பெண்) பெற்றிருக்கிறார்கள். இதைப்போலவே, ஆராய்ச்சித் தகுதி நிலையில் இந்திய அறிவியல் கழகம், மும்பை ஐ.ஐ.டி மற்றும் டெல்லி ஐ.ஐ.டி அதிக மதிப்பெண்ணைப் பெற்றுள்ளது.

350 பல்கலைக்கழகங்கள் பங்கேற்ற பிரிக்ஸ் நாடுகளுக்கான தரவரிசையில், இந்தியாவிலிருந்து 79 பல்கலைக்கழகங்கள் இடம்பெற்றன. இதில் ஏழு கல்வி நிறுவனங்கள் டாப்-50 பட்டியலிலும், இந்தியாவைச் சேர்ந்த 14 பல்கலைக்கழகங்கள் டாப்-100 பட்டியலிலும் இடம்பிடித்திருக்கின்றன.

ஐ.ஐ.டி கான்பூர் 21-வது இடத்தையும், கரக்பூர் ஐ.ஐ.டி 24-வது இடத்தையும், டெல்லி பல்கலைக்கழகம் 41-வது இடத்தையும், ஐ.ஐ.டி ரூர்க்கி 51-வது இடத்தையும், கௌஹாத்தி ஐ.ஐ.டி 52-வது இடத்தையும், கொல்கத்தா பல்கலைக்கழகம் 64-வது இடத்தையும், ஜாதவ்பூர் பல்கலைக்கழகம் 74-வது இடத்தையும், மும்பை பல்கலைக்கழகம் 82-வது இடத்தையும் பெற்றிருக்கின்றன. தமிழகத்தைச் சேர்ந்த அண்ணா பல்கலைக்கழகம் 85-வது இடத்தையும், கோவையில் உள்ள தமிழ்நாடு வேளாண் பல்கலைக்கழகம் 105-வது இடத்தையும் பிடித்துள்ளன.

இந்தியாவில் உள்ள தனியார் நிகர்நிலைப் பல்கலைக்கழகங்களான பிட்ஸ் பிலானி (109), தாப்பர் யூனிவர்சிட்டி (139), அமிர்தா பல்கலைக்கழகம் (140), புனேவில் உள்ள சிம்பியோசிஸ் (144), வேலூர் இன்ஸ்டிடியூட் ஆஃப் டெக்னாலஜி (201-250), சென்னையில் உள்ள எஸ்.ஆர்.எம் (251-300), தஞ்சையில் உள்ள சாஸ்திரா (251-300) போன்ற பல்கலைகளும் இந்தப் பட்டியலில் இடம்பெற்றுள்ளன.

தர வரிசையில் இடம்பிடித்திருப்பது குறித்துப் பேசிய பல்கலைக்கழக மானியக் குழுத் தலைவர் வேட் சிங் சௌகான் ``இந்தியப் பல்கலைக்கழகங்கள் சிறப்புடனும் தரத்துடனும் செயல்பட்டுவருகின்றன. இந்தப் பட்டியலில் இடம்பிடித்திருப்பதன் மூலம் இந்தியாவில் கல்வியின் தரம் மேம்பட்டிருப்பதை அறிய முடிகிறது.

உலக அளவில் உள்ள பல்கலைக்கழகங்களுடன் இந்தியப் பல்கலைக்கழகங்கள் போட்டிபோடும் வகையில் பல்கலைக்கழக மானியக் குழு தொடர்ந்து பல்வேறு நடவடிக்கைகளையும் விதிமுறைகளையும் வகுத்து வருகின்றன.

தற்போது வெளியிடப்பட்ட தரவரிசைப் பட்டியலில் 350 பல்கலைக்கழகங்களில் 65 இந்தியப் பல்கலைக்கழகங்கள் இடம் பிடித்திருக்கின்றன. இனிவரும் காலங்களில் இந்த எண்ணிக்கை உயர்ந்து, 150 பல்கலைக்கழகங்கள் இடம்பிடிக்க வேண்டும்" என்றார்.

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TU makes it to QS BRICS Rankings

Tezpur, Nov 27: The QS (Quacquarelli Symonds) BRICS University Rankings 2018, which features 300 top universities from Brazil, Russia, India, China and South Africa (BRICS), has placed Tezpur University in 171-180th rank. Apart from Tezpur University, from Northeast only Indian Institute of Technology, Guwahati (52nd position) finds its way in the ranking.

Launched in 2013, the QS BRICS University Rankings is an annual ranking of the top universities in the five BRICS countries. Eight indicators, viz. academic reputation (30%), Employer reputation (20%), Faculty/student ratio (20%), Staff with a PhD (10%), Papers per faculty (10%), Citations per paper (5%), International faculty (2.5%) and International students (2.5%) were selected to be used in the methodology. Altogether 65 Indian institutions have been able to find position in QS BRICS University Rankings 2018. In the top 20 BRICS universities, IIT Bombay has secured the ninth position while the Indian Institute of Science (IISc) Bangalore is at number 10, IIT Delhi is at 17th position and IIT Madras has 18th position.