



Impact of Giving for the Year

2023



CELEBRATING THE GENEROSITY OF

Mr. K. Suresh

Director's Message



Prof. V. Kamakoti
Director, IITM

Greetings,

IIT Madras continues to retain her top position for the eighth consecutive year, in the National Institute Ranking Framework, thanks to the world-class research of its faculty and students. The contribution and support of Alumni and well-wishers like you has crucially helped this standing and stature. Our achievements in research, education, innovation and entrepreneurship have also earned us the recognition of an 'Institute of Eminence' as well as the top position in the Atal Innovation Ranking from the Government of India.

The institute is making an indelible mark with her 'research with impact' in several areas including quantum computing, drinking water technology, industrially relevant mathematical models for governance, rendering cancer-cure more effective. Our centres of excellence, the Center for Innovation, Nirmaan – the pre-incubator, the Incubation Cell, technology centres such as 'IITM-Pravartak' and others, work in unison for not just our nation's building, but societies world-wide. We aspire to be locally impactful and globally relevant through all these efforts.

Towards exploring new research frontiers, a Department of Medical Sciences and Technology has been launched to conjoin medicine and engineering. Similarly, a School of Sustainability is on the horizon to research sustainable practices in the Global South. The campus is moving towards 'carbon-net-zero' goal through water conservation by 100% recycling, efficient garbage disposal, and electrification of vehicles. The traditional education system is undergoing a paradigm shift, with our online Bachelor of Science programme in Data Sciences and the National Program of Technology Enhanced Learning, which have won Gold in the 'Lifelong Learning' category and Silver in the 'Best Online Program' category of the Wharton-QS Reimagine Education Awards 2022 respectively. IIT Madras is leading this revolution from the front.

Such achievements are not possible without the deep-rooted faith and support of alumni and well-wishers such as yourself. We are indebted to you for your generous, bountiful, and impactful contributions. On behalf of IIT Madras, I offer you our deepest gratitude for continuing to strengthen the Institute. Together with your support, we are confident of building an IIT Madras that is more inclusive, diverse, and enabled by an ecosystem to be nationally relevant and globally recognised. Thank you!

Dean Alumni & Corporate Relation's Message



Prof. Mahesh Panchagnula

Greetings,

I express my heartfelt gratitude to you for your generous support to IIT Madras. We appreciate your passion in supporting the causes you do and I assure you that your contributions will be optimally utilised. This report has been compiled to convey how your largesse has touched lives and made a difference at IIT Madras. In keeping with the rapid, contemporary strides in science, technology we have set ambitious goals for ourselves - your continued enthusiasm and support will help us greatly in these endeavours.

IIT Madras is far more diverse in its set of pursuits, more green and more research-focused. And yet, it remains unchanged over these years, it is still the best Institute in the country, and attracts the best students that India has to offer to come and make a mark. I also cordially invite you to visit your campus to see for yourself, the impact of your contribution, and the growth and transformation the Institute has undergone over the years.

We can never express our gratitude enough for all that you have done - Thank You !



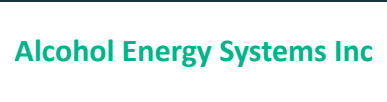




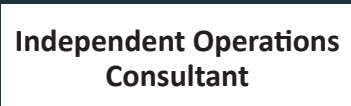


**“Thank you for your donation.
Your generosity means
everything to us and to
the community we serve.”**

Mr. K. Suresh

Mr. K Suresh is an experienced and capable Manufacturing, Program Management, Quality and Supply Chain Expert. He is an energetic leader with a demonstrated record of establishing and running effective supply chains and manufacturing operations. He is an expert in supply chain management and a talented strategic planner. He has vast experience in a variety of corporate environments including large multinationals, startups, and in consulting roles.

Mr. Suresh was the Director of Business Operations at Microsoft Corporation. He earned his Bachelor of Technology (B.Tech) in Mechanical Engineering from the Indian Institute of Technology Madras in the year 1981 and MS in Mechanical Engineering from Cornell University, New York in the year 1984 and he also completed his MS in Engineering Management from Stanford University, California in the year 1989.

CAREER TRAJECTORY

 <p>Aug 1994 – Jun 1988 Project Engineer</p>	 <p>Jul 1989 – 2000 Manager, Supply Chain Operations</p>	 <p>Jun 2000 – Jun 2004 Director of Manufacturing</p>
 <p>Jun 2004 – Dec 2005 Director of Manufacturing</p>	 <p>Mar 2006 – Sep 2009 Vice President of Operations</p>	 <p>Nov 2009 – Oct 2011 Principal</p>
 <p>Nov 2011 – Nov 2012 Director of Operations</p>	 <p>Nov 2012 – May 2023 Director Business Operations</p>	

CAUSES CONTRIBUTED



1981 BATCH SILVER REUNION – CENTRE FOR INNOVATION (CFI)

Centre for Innovation (CFI) was seeded in 2008 by the Class of 1981 and is supported by the Classes of 1991, 1990, and the Jamuna Hostel inmates of the 1991 Batch. The center will help students translate their innovative ideas into working prototypes.

CFI Teams that Participate in Competitions:

1. Team Avishkar:

“Developing technologies for the 5th mode of transportation”

To realize the dream of the Indian Hyperloop, the team is working on technologies like Hyperloop infrastructure, pod, magnetic propulsion, and levitation, with the scalability of systems as the primary objective.

Achievements:

- The latest pod, Avishkar 5.0, built during the pandemic through relentless effort, emerged in the Global Top 5 in three categories – Electrical Subsystem, Traction Subsystem and the Complete Pod Category in the European Hyperloop Week 2022
- Competed virtually in European Hyperloop Week 2021 and won the ‘Most Scalable Pod Design’ award by Zeleros Hyperloop.
- The only Asian team at the SpaceX Hyperloop Pod Competition 2019 final.



2. Team Anveshak

Since its inception in early 2016, the team brings together a set of highly dedicated & skilled students working on mechanical design, system architecture & control, outreach & business relations.

Achievements:

- Bagged 6th position in an International Anatolian Rover Challenge 2022.
- 5th position in the Indian Rover Challenge 2020
- One among top 12 positions in University Rover Challenge 2019
- Champions of Indian Rover Challenge 2019
- Qualified in the European Rover Challenge 2016

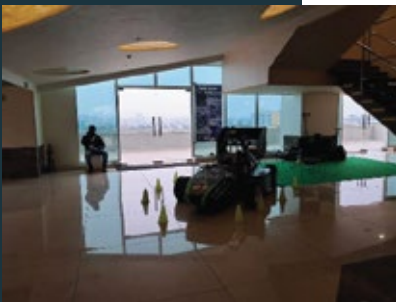


3. Team Raftar

Every year, the team takes up the challenge of building a swift Formula Student race car. It aims to become a globally competitive team and promote the Formula Student culture in India.

Achievements:

- Bagged 2nd place in the Formula Student Electric Vehicle Concept Challenge -2021 conducted by Formula Bharat
- Heading out of the Pit and onto the racetrack IITM's first electric racecar took the world by storm at its first Formula Student competition, Formula Bharath in 2023



4. Team Abhiyaan

Team Abhiyaan is an enthusiastic group of multi-disciplinary students of IIT Madras, committed to building intelligent, robust, precise and safe, ground navigation systems. It provides a platform for creative ideas to be realized into ground-breaking product prototypes and revolutionary business models, with mentoring from the industry, faculty and alumni.

Achievements:

- Developed and released an open-source ROS Software driver for the Septentrio Mosaic X5 GNSS module
- Project MACRo (Martian Autonomous Core-sampling Rover) in collaboration with ExTeM research group, IIT Madras



1981 BATCH CORAL REUNION BATCH – MODERNISATION OF CFI



CFI is about 10 years old and needed modernization to keep pace with the evolving opportunities. This was supported by the Classes of 1981, 1991, 1990 and the Jamuna Hostel inmates of the 1991 Batch.

This new building is called “The Sudha and Shankar Innovation Hub”. It is a veritable boon for the ingenious minds of IIT Madras- offering them a fertile space to harvest their ideas and bring them to life.

The modernized CFI in the new building was inaugurated by the Hon’ble. Vice President of India, Shri. Jagdeep Dhankar on February 28, 2023.



This innovation hub has been envisioned by its pioneers, to be the epicenter of all innovation and entrepreneurship and in turn, strategically hosts the following centers:

- *Centre for Innovation*
- *NIRMAAN – The Pre-Incubator*
- *Gopalakrishnan-Deshpande Centre for Innovation*
- *Centre for Social Innovation and Entrepreneurship*

"GIVING IS NOT JUST ABOUT
MAKING A DONATION -
IT'S ABOUT
MAKING A DIFFERENCE"



ALUMNI COMMUNITY INSTITUTE CHAIR



Prof. R. Nagarajan

Department of Chemical Engineering

Prof. R. Nagarajan (Department of Chemical Engineering) is the Alumni Community Chair Professor. After completing his 3- year term as Head of the Department of Chemical Engineering, Prof. Nagarajan has undertaken his sabbatical at Purdue University as Robert T. Henson Distinguished Visiting Scholar in the Davidson School of Chemical Engineering.

During this stay, he has conducted a Seminar Series on "Contamination Control in High Purity Manufacturing" for Purdue faculty and students. He has presented a paper at the WOCA 2022 (World of Coal Ash) conference at Covington, Kentucky, and organized a Panel at the Deshpande Symposium in Cleveland, Ohio.

Achievements:

- Award for "Distinguished Service to Alumni" in IITMAA Sangam Confluence for Impact on Sep 29, 2018
- "Eminent Engineer Award" from the Institution of Engineers (India) in October 2018.
- He has won several awards, including the Outstanding Younger Member Award, Institute of Environmental Sciences and Technology (IEST), April 1990; Patent (# 5,879,578) Issue Award, March 1999 several IBM Innovation & Performance Awards and Team Awards, etc...

Research Priorities:

- Coal beneficiation using the ultra-sonic fields
- Nano emulsions of plant oils used for cancer treatment
- Dust-repellent surfaces and coatings for building exteriors
- Doctoral Research:

1. One Ph.D. thesis on "A comparative study to understand the effect of solvents, particle size and their role in the de-alkalization of coal was carried out" was defended in Jan 2020 (Dr. Srivalli Hariharan)

2. 2 Ph.D.'s co-guided with Prof. T Pradeep on an industry-relevant project, and one External Ph.D.

- Post-Doctoral Research

Three post-doctoral Fellows are being mentored currently. They have developed a nano-scale emulsion of clove bud essential oil using a potent anticancer and antibacterial activity technique



GODAVARI – KEEP IT FLOWING

Renovation of Saraswathi Hostel:

Date of commencement of the work : 24-08-2022

Date of completion : 16-12-2022

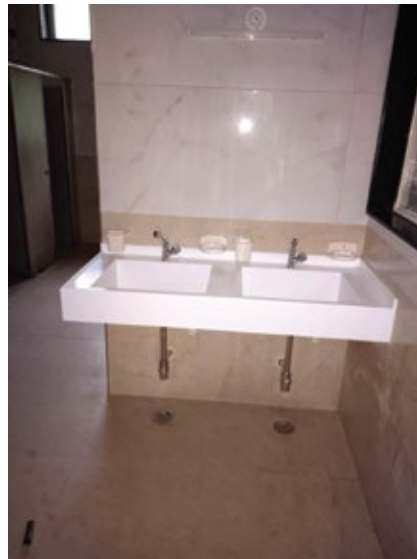
Work	Scheduled Date of Completion	Current Status of Work
Facelifting of Restrooms	28-11-2022	100% Completed
Facelifting of Corridors	02-11-2022	100% Completed
External Repair works	31-10-2022	100% Completed

- The hostel was handed over in 2 phases by the hostel management. First, half consisting of 2 restroom blocks and 50% of the corridor was handed over on 24.08.2022
- The second half consisting of the remaining 2 restroom blocks and the remaining 50% of the corridor was handed over on 08.09.2022
- Complete renovation of Godavari hostel is commenced, and the work is completed on 16.12.2022 and handed over to the hostel management.

Photos of the Corridor after renovation



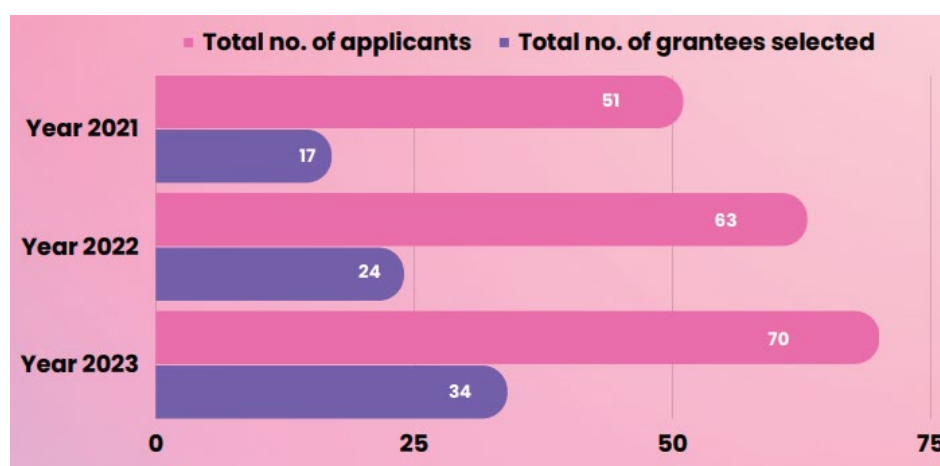
Photos of the Restroom after renovation



WOMEN LEADING IITM

Education is considered a milestone for women's empowerment because it enables them to face various challenges, confront their traditional roles, and bring change to their lives.

IITM has made considerable progress in improving the number of women students/ faculty and creating opportunities for their success. IIT Madras launched the "Women Leading IITM" (WLI) program on March 8th, 2021, to uplift women's leadership in science and technology. WLI is a program to nurture, develop and support women's talent at IITM along with their study/professional careers.



Statistics of WLI from 2021 – 2023

Some Achievements of WLI Grantees for the year 2022-2023

1. Ms. Vaishnavi S (Ph.D. Scholar, Dept of Biotechnology) received the Best Presentation Award at the 15th Asian Congress on Biotechnology Conference, Indonesia
2. Ms. Harija Harkumar (Ph.D. Scholar, Dept of Chemical Engineering) has won 1st prize in Student Presentation Award at the 15th International Conference on Sensing Technology, ICST'15 , Australia.

Some of the Grantees of WLI 2023



To view a detailed report on Women Leading IITM

<https://acr.iitm.ac.in/wp-content/uploads/2023/04/WLI-Report-2022-2023.pdf>

COVID-19 RELIEF FOR INDIA

The COVID-19 pandemic became an emerging global health crisis and required the best of our efforts to overcome it. The sudden outbreak of the pandemic had already created an enormous medical and financial burden shattering many lives.

The second wave of Covid 19 immensely affected the public's mental health and well-being in a variety of ways, including isolation and loneliness, job loss and financial instability, and illness and grief. Many organizations, institutions, and individuals came forward to financially and socially support the nation.

IIT Madras launched a campaign to raise funds for supporting various causes. The Institute exceeded its goal of raising \$1 million in 48 hours. Overall IIT Madras Alumni and other well-wishers have come together and raised more than \$2 million.

Below are the causes for which the funds were used:

- **1.Purchase of Oxygen cylinders, BiPAP machines, Injections, and Medicines**
- **Healthy meals for students who were stranded in the institute during covid.**
- **Financial help to more than 150 Ph.D. scholars to pursue their research without any constraints.**

Glimpses of the contributions:



- *IIT Madras handed over 200 oxygen concentrators to the Government of Tamil Nadu.*



- *Donated BiPAP units, Injections and medicines.*



- Contributed 200 oxygen concentrators (5 litres each) to the Government of Telangana.
- Contributed 200 oxygen concentrators (10 litres each) to the Government of Karnataka.



- Contributed 1000 units of covid medicines to Sri Venkateswara Institute of Medical Science (SVIMS), Chittoor.



Provided healthy meals to students who were stranded during covid pandemic with the help of a nutritionist. Arrangements were made to serve paneer, banana, and eggs as optional extras.



Financial support was provided to Ph.D. scholars as stipend. This helped them to carry out their research without hindrance.

Gratitude notes from some of the Ph.D. scholars



"I wish to thank all the donors from the bottom of my heart. The relief provided helped me look after my family during that nightmare phase and thereby focus on my research more"

- Ajay A P



"I am really appreciative of the assistance received from my alumni during my most difficult time. I'm hoping that someday I'll be in a position to help out my fellow students"

- Sunny Sharma



"The pandemic was a tough period for all of us. And it is very stressful for scholars especially when they are on the final stage and the stipend period has ended. I am very grateful to the alumni and non alumni members who contributed in supporting scholars like me. You are inspiration to us by making us understand the importance of giving back to our community"

- Bhadra Hrishikesh



"I would like to express my sincere gratitude to all the alumni and non-alumni donors for generously donating towards the cause of Covid-19 relief with which we were supported with our stipend. I wish to prolong my appreciation to all who worked behind to make the entire process work smoothly. The financial support from you helped me greatly"

- Dipanjan Majumdar

1981 BATCH RUBY REUNION – E-MOBILITY BUSES

The funds received through the 1981 Batch Ruby Reunion is to be used towards the purchase of E-Mobility buses. The current status of the project is as follows.

- Placed order for 4 E-carts which will be delivered in the First week of July 2023.
- E-Bus with li-ion battery specification finalization meeting got over on 16th June 2023.
- Tender for E-Bus will be launched shortly.
- Expecting E-Bus on campus in the next Five months.
- 5.Planning to have Battery collaboration research with the E-Bus manufacturers.



“None of our success would be possible without generous donors like you. Thank you again for your commitment and kindness.”

DR. V. GANESAN FACULTY FELLOWSHIP



**Dr. Pallab Sinha
Mahapatra**

The Dr. V. Ganesan Faculty Fellowship was initiated to recognize junior star faculty who have demonstrated a very strong early-career trajectory in the field of Thermo-fluid Sciences through a combination of research excellence, impactful industrial consultancy, social impact, and patentable products along with an enthusiastic mentoring of IITM undergraduates and PGs to pursue higher academic pursuits and industrial careers.

The launch of the Dr. V. Ganesan Faculty fellowship was conducted on 06-06-2023 at the Central Lecture Theatre, IIT Madras. It was launched in the presence of Dr. Amrutur Anilkumar, Mr. G Venkata Subramanian (Son of Late Dr. V. Ganesan), Mrs. Rajalakshmi (Wife of Late Dr. V. Ganesan), and Mrs. Aparna (Daughter of Late Dr. V. Ganesan).

The first recipient of the Dr. V Ganesan Faculty Fellowship is Dr. Pallab Sinha Mahapatra from the Department of Mechanical Engineering. His research interests include (not limited to) Surface engineering and wettability patterning, Open surface microfluidics, Multiphase flow, Single and multiphase heat transfer.

He received his B.Tech and Ph.D. in Mechanical Engineering from Jadavpur University in 2007 and 2014 respectively. He has received the International Society for Energy, Environment and Sustainability Young Scientist Award 2017 and the Council of Scientific & Industrial Research Senior Research Fellowship 2012.

Rekindling your memories



WE ARE GRATEFUL TO YOU,

Mr. K. Suresh

We express our heartfelt gratitude for your continued and generous support to IIT Madras throughout the years. We trust that you take great pride in your bond with IIT Madras and the unwavering dedication it has demonstrated towards academic and research excellence since the time of your association.

Your invaluable contributions, alongside the support of your family, have played a pivotal role in facilitating this remarkable growth. We are privileged to have you and your family walking with us along this journey. We extend our best wishes to you and your family. We thank you for your continued support to your alma mater.



Indian Institute of Technology Madras, Chennai – 600036

<https://www.iitm.ac.in/>

For more information, please contact:
Office of Alumni and Corporate Relations
T: +91-44-2257 8390 | acr.iitm.ac.in