



Indian Institute of Technology Madras
Office of Alumni and Corporate Relations

Celebrating the Generosity of



Mr. Mallik Putcha

Impact of your giving in

2023

Director's Message

Prof. Kamakoti Veezhinathan
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 in May 2023 to conjoin medicine and engineering. Similarly, a School of Sustainability was also created in October 2023 to research sustainable practices in the Global South. The campus is moving towards a '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, that 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.

Dean's Message

Prof. Mahesh Panchagnula
Dean, Alumni &
Corporate Relations, IITM

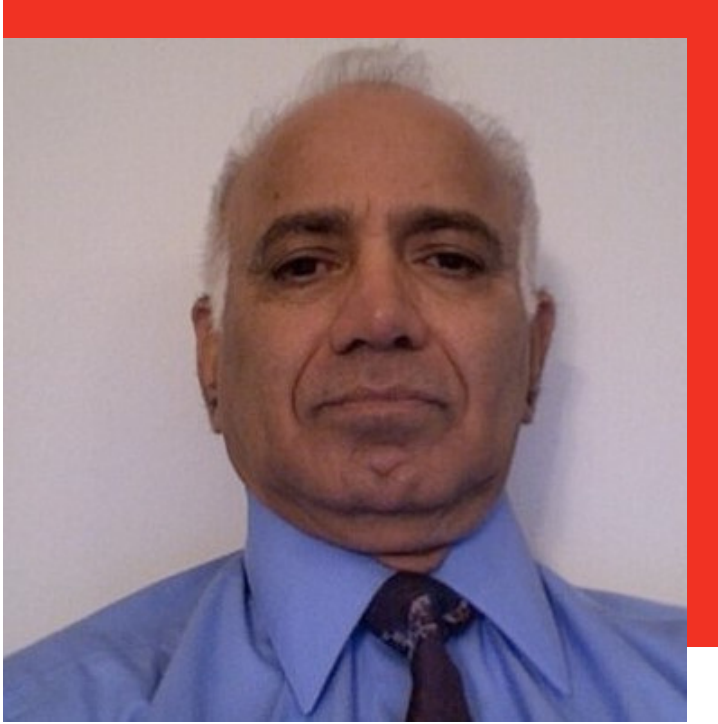


Greetings! I express my heartfelt gratitude to you for your generous support to IIT Madras. We appreciate your passion in supporting the causes you do and I assure you that your contributions will be optimally utilized.

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 endeavors.

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!



Mr. Mallik Putcha, a retired software engineer with a 30-year career in the aerospace industry, is a staunch advocate of education and providing support to those who contributed to his educational and professional journey.

Mr. Putcha holds a master's degree in software engineering from the University of Houston-Clear Lake (UHCL), an MBA and a master's in electrical engineering from the University of Houston (UH). He also completed his B.Tech and M.Tech in electrical engineering from the Indian Institute of Technology Madras.

His retirement followed a career that included notable stints at Cimarron Software, Boeing Defense and Space, IBM, and Ford Aerospace, where he contributed to NASA projects.



The first batch of graduates from IITM and their faculty (1964)

Summary of Your contributions Towards IIT Madras

01

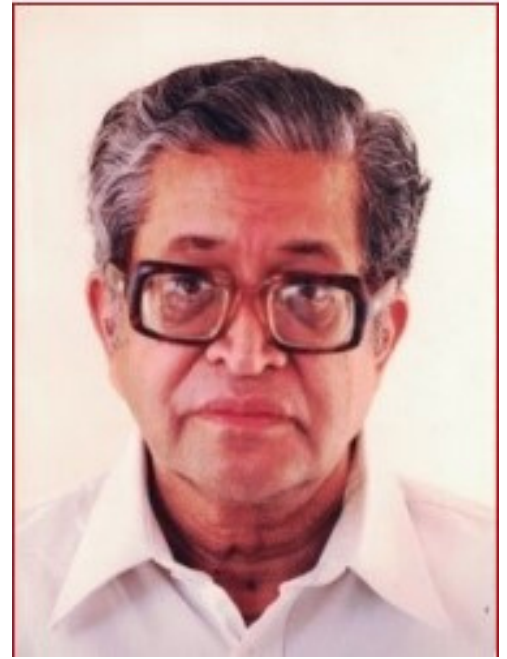
Sampath
Institute
Chair

02

Prof. M. S.
Ananth
Endowment
Fund

Sampath Institute Chair

Late Prof. Srinivasa Sampath (1925-1998) served as a professor at the Department of Electrical Engineering and Deputy Director at IIT Madras. He was instrumental in the academic development and growth of IIT Madras. In 1981, Prof. Sampath became the Director of IIT Kanpur and brought instrumental changes in the field of computer sciences. He was an excellent teacher and a role model to his students. He was a gifted speaker of exceptional caliber in the areas of education, technology, and spirituality. Mr. Mallik Putcha was the initiator and major Contributor to this Institute Chair and various other alumni have supported this Chair.



Chair Occupant

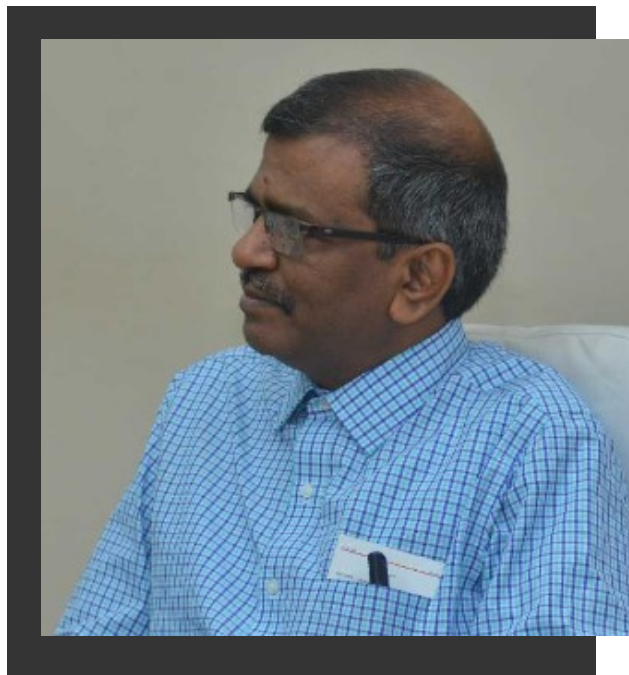


Prof. R. Sarathi
Department of
Electrical
Engineering

Prof. R. Sarathi completed his Ph.D. (1995) from the Indian Institute of Science, Bangalore and has over 25 years of experience in research and education and has published more than 269 papers in peer-reviewed reputed international journals. He has guided 33 Ph.D. Scholars and around 16 M.S(by Research).. He has been instrumental in conceptualizing and developing the state-of-the-art HighVoltage Laboratory at IIT Madras. He is currently associated with the UKIERI project, an international collaboration initiative on Innovation in high voltage insulation for electrical energy networks. He is aMember, Indian Standards on High voltage testing techniques, CBIP distribution system, InternationalReference Group for SweGRIDS, Sweden and a collaborative member of the green Asia project of KyushuUniversity funded by Japanese government. He is Vice Chair of IEEE DEIS Outdoor Insulation TechnicalCommittee/New Task Forces.

Research Interest:

- Development of cryogenic insulation material.
- Condition Monitoring of power apparatus using Multi sensor fusion technique.
- Understanding the influence of space charge on the breakdown process in nanocomposites and elastomers adopting PEA technique.
- Development of nano composite insulating materials for outdoor applications
- Fault diagnosis in transformers using Acoustic emission and UHF Sensors.
- Application of Wavelet Technique to Condition Monitoring of Outdoor insulating structures.
- Fractal Modeling and Simulation of Treeing in Electrical Insulation.
- Generation of Nanoparticles by pulsed power technique.
- Sterilization of liquid foods using pulsed power technique



IEEE PES
Madras Section
Outstanding
Engineer Award,
USA, 2014



Fellow of Royal
Society of
Chemistry,
United
Kingdom, 2017



Fellow of Indian
National
Academy of
Engineering,
New Delhi, 2016



Fellow of
Institution of
Engineers,
India, 2013



Fellow of Royal
Society of
Chemistry,
United
Kingdom, 2017

Prof. M. S. Ananth Endowment Fund

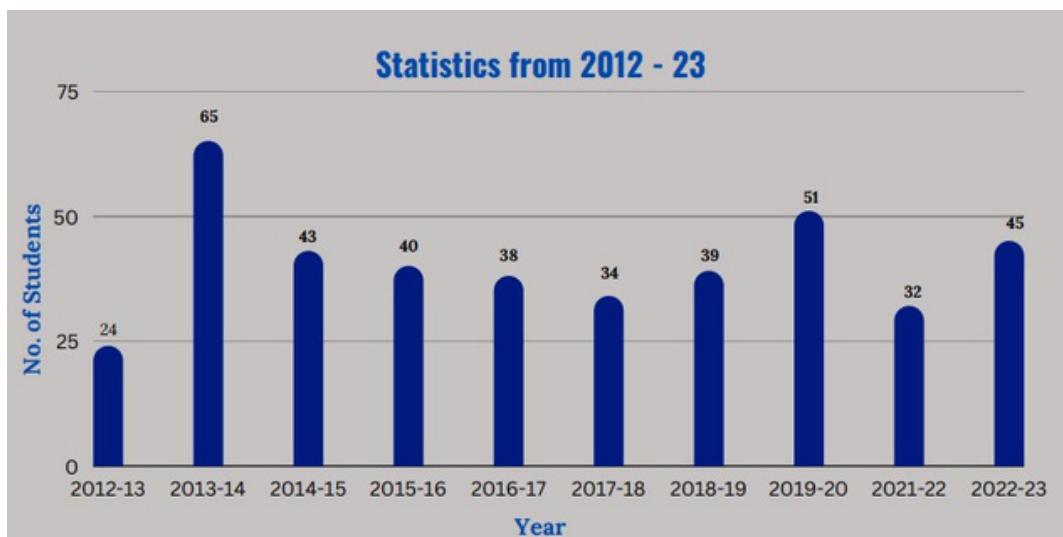
Prof. M. S. Ananth Endowment Fund at the IIT Madras is the fund established to honor Prof. M. S. Ananth, who served as the Director of IIT Madras from 2001 to 2011. He was well-known for his contributions to science and teaching, as well as his tireless efforts to develop higher education and research in India. The alumni and well-wishers have contributed towards this endowment.

The interest accrued from this endowment is used to support the following activities:



Educational needs of the children of staff members of self-help organizations who work on IITM campus

Over the years the funds have been disbursed among students. The below graph depicts the number of students who have reaped the benefits.



Socially Relevant Projects

Project Name:

Construction and Demolition (C&D) Waste Management and the Role of the Informal Unorganized Sector in India: Case of New Delhi

Objective of the project:

Identifying early-stage demolition projects in different parts of the City and various stakeholders involved in the identified projects to understand their roles in an informal/formal C&D waste management system through interviews.



Prof. Nikhil Bugalia
Department of Civil
Engineering



Prof. Madhu Mutyam
Department of Computer
Science Engineering

Project Name:

Tracking Beehive Health Using IoT Technology

Objective of the project:

The objective of the work is to build an IoT-based tracking system to monitor the health of a beehive.

Project Name:

Farmer-friendly, point-of-use, portable heavy metal sensors with cell phone interface: A new technical aid for the agricultural sector

Objective of the project:

Analyzing water quality and heavy metal presence in water samples collected from several temple tanks in Rameswaram, Tamil Nadu using ICP-OES facility at SAIF- IIT Madras.



Prof. Sreeram K. Kalpathy
Department of
Metallurgical and Materials
Engineering



Prof. Rayala Suresh Kumar
Department of
Biotechnology

Project Name:

Community Screening of “Kasimedu fisherwomen” for cervical cancer using a self-sampling kit and an indigenous innovative detection device.

Objective of the project:

This project is aimed at a community screening of cervical cancer in Kasimedu fisherwomen and the detection of an HR-HPV in these women by using an indigenous detection device (developed at IITM).

Further details on the projects undertaken

[CLICK HERE](#)

We are grateful to you and your Family Mr. Mallik Putcha



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



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December 2023