



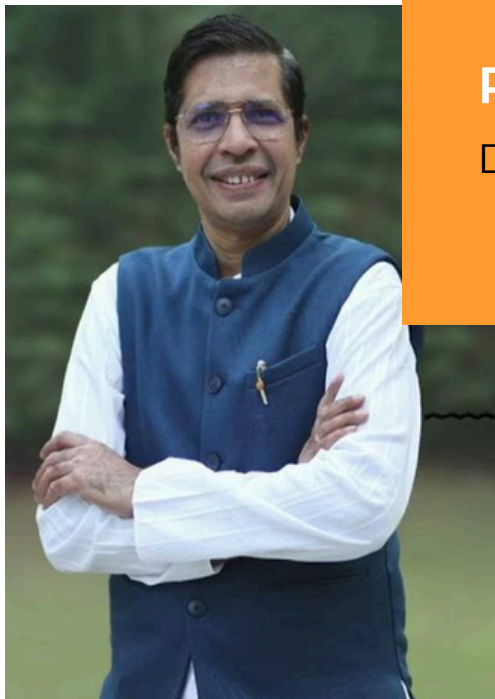
ALUMNI AND CORPORATE RELATIONS
INDIAN INSTITUTE OF TECHNOLOGY MADRAS

Celebrating the Generosity of



IMPACT OF YOUR GIVING IN 2025

Prof. Marti G Subramanyam



Prof. Kamakoti Veezhinathan

Director, IIT Madras

Greetings from IIT Madras!

Excellence. Innovation. Entrepreneurship. These words have been the cornerstones of IIT Madras' journey over the past years. The staunch support of our 55000+ alumni community and our 350+ corporate partners has been pivotal in this success, enabling us to drive impactful initiatives, foster innovation, and create meaningful change across diverse domains.

IIT Madras has proudly retained the No. 1 position in the NIRF rankings in the "overall" category (sixth time in a row) and in "engineering" category (ninth time in a row). This is a testament to the strong bond that our alumni and corporate partners have passionately nurtured with the Institute, its faculty members and students.

With a vision to augment research in emerging and disruptive technologies, the Institute's Centres of Excellence are well positioned to be global leaders in their respective domains over the next five years. The establishment of newer departments such as the Department of Data Science and AI (housed in the Wadhvani School of Data Science and AI) and the Department of Medical Sciences and Technology marks a significant step forward in advancing interdisciplinary research and skillsets.

With the generous support of our alumni and industry partners, these departments and centres are making groundbreaking advancements and developing futuristic technology solutions in their fields of expertise. Turning research into real world impact, the thriving startup ecosystem at IIT Madras is an epitome of pioneering innovation that drives societal progress. These startups work in domains such as manufacturing, robotics, data science, space tech, IoT, mobility, energy, water, healthcare, biotech and agri-tech. The work of every startup is a beacon of hope towards a brighter future for our nation.

Alongside research and innovation, several key Institute initiatives have also been propelled forward by the steadfast support of our alumni community and corporate partners. Be it the various Merit-cum-Means scholarships and endowments or the WLI (Women Leading IITM) program or the newly initiated Student Mess Fund, you have been instrumental in transforming IIT Madras into a place where every student thrives, research flourishes and innovation is second nature.

While much has been achieved, IIT Madras still has bigger and greater milestones that we aspire to achieve. We hope to get there through your unwavering support and commitment to creating a positive impact.

Wishing you the best in your career and life.

Prof. Ashwin Mahalingam

Dean, Alumni and Corporate Relations,
IIT Madras



Greetings from the Office of Alumni and Corporate Relations,

I want to extend my deepest gratitude for your incredible generosity and continuous support towards IIT Madras. An act of giving is much more than making a donation. It is the manifestation of kindness, compassion, and deep-rooted empathy within each of us. It is the very essence of being human. And as one of our esteemed donors, you are no exception to this.

Strong academic institutions play a critical role in today's world - training minds young and old, and contribution to research and innovation. Your contributions have had a truly transformative impact, not only on the institute but also on our students, faculty and the broader community.

This "Impact of Giving" report serves as a testament to the profound influence your contributions have had on the lives of our current students, the advancement of innovation in research, and the infrastructure of the institute.

At IIT Madras, we take great pride in the strong relationships we have fostered over the years. It is through your consistent engagement with us that we've been able to push the boundaries of innovative research, improve our infrastructure, and provide scholarships that have empowered students from diverse backgrounds. These efforts have created life-changing opportunities, ignited new ideas, and elevated IIT Madras to the forefront of global education and research.

Your commitment, as part of our esteemed benefactor network, has strengthened our institute's global reach. It has opened doors to new partnerships, fostered collaborations, and helped us nurture the leaders of tomorrow.

We are profoundly grateful for your belief in IIT Madras. Your continued support not only upholds the values and traditions of the institute but also helps us chart a bold and visionary path forward. Together, we are building a legacy of lasting excellence.

Once again, thank you for your dedicated engagement with IIT Madras.



Prof. Marti G Subramanyam

1967/BT/ME

Distinguished Alumni Awardee for the year 2024

Charles E. Merrill Professor of Finance, Economics and International Business

Leonard N. Stern School of Business, New York

Marti G. Subrahmanyam is the Charles E. Merrill Professor of Finance, Economics and International Business at the Stern School of Business, New York University. A globally recognized expert in financial markets, derivatives, and corporate finance, he has published extensively and served on the boards of major corporations and academic journals. An alumnus of IIT Madras, he is a respected educator and mentor, with a profound impact on the world of finance and academia.

The report will present a thorough assessment of the impact that your contributions have made towards the causes outlined below:

**Srimathi Marti
Annapurna Gurunath
Award for Excellence
in Teaching**

**Marti Mannariah
Gurunath Institute
Chair**

**Alumni Endowment
Fund**

SRIMATHI MARTI ANNAPURNA GURUNATH AWARD FOR EXCELLENCE IN TEACHING

The **Srimathi Marti Annapurna Gurunath Award for Excellence in Teaching** is made possible through the remarkable generosity of IIT Madras alumnus Prof. Marti Subramanyam, currently a distinguished faculty member at the Stern School of Business, New York University. Prof. Subramanyam's thoughtful initiative not only celebrates outstanding teaching but also serves as a heartfelt tribute to his beloved parents, Mr. Gurunath and Smt. Marti Annapurna. The award will be presented with great honor during the Institute Day festivities, further underscoring the enduring legacy of Prof. Subramanyam's commitment to academic excellence and memory.

A gold-plated silver medal, citation, certificate, and a cash award of ₹50,000 will be presented to teachers selected by students for their consistent excellence in teaching. So far 18 beneficiaries benefitted through this award.



Prof. Lakshmi Priya P S
Department of Civil Engineering

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I am deeply honored and grateful to be recognized for my teaching so early in my career. This award—made possible by your family—serves as a powerful source of motivation, inspiring me to continue striving for excellence in my academic journey and to remain deserving of this distinction throughout my career.

Although recognition was never my goal in teaching, receiving this award has profoundly affirmed my belief in the value of education and in myself as an educator. I will always carry this encouragement with me, and I remain truly thankful for this honor.

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“

I am deeply honored to receive the Srimathi Marti Annapurna Gurunath Award for Excellence in Teaching. This recognition has made my mother and sisters proud, and it strengthens my confidence in the mission I hold dear: to add fun to learning, to nurture creativity and innovation, and to foster a deep love for fellow humans and all living beings.

My heartfelt thanks to Dr. Marti G. Subrahmanyam for this encouragement.

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Prof. M.S. Sivakumar
Department of Applied Mechanics & Biomedical Engineering

MARTI MANNARIAH GURUNATH INSTITUTE CHAIR



Prof. Raghunathan Rengaswamy

Dean, Global Engagement, IIT Madras
Marti Mannariah Gurunath Institute Chair Professor

Department of Data Science and Artificial Intelligence

Department of Chemical Engineering, IIT Madras

Co-Founder/ Director
Gyan Data Pvt. Ltd.,
Gitaa Pvt. Ltd.,
Elicius Energy Pvt. Ltd.,
IITM Research Park, Chennai

RESEARCH INTERESTS

Machine
Learning and AI
algorithms

Systems Biology

Droplet Microfluidic
Systems

Fuel Cell and
Battery
Technologies

Distributed
monitoring of
environmental
parameters

HONORS AND AWARDS

- ✓ The Institution of Engineers (India) Eminent Engineer Award, 2023
- ✓ Marti Mannariah Gurunath Institute Chair Professor, since April 2019
- ✓ YBG Varma Award for Excellence in Teaching, IIT Madras, 2018
- ✓ Fellow, Indian National Academy of Engineering, 2017
- ✓ Graham Faculty Research Award, Clarkson University, 2006
- ✓ IFAC Best Paper Prize, 2002-2005 (Engineering Applications of Artificial Intelligence Journal)
- ✓ Omega Chi Epsilon, Professor of the Year Award (Clarkson University), 2003
- ✓ INAE Young Engineer Award, 2000
- ✓ Multiple early-career and student awards

EDITORIAL/ADVISORY/POLICY ACTIVITIES

- ✓ Audit of Niti Aayog Data Governance Quality Index (DGQI) Framework, 2024
- ✓ Internationalization of Higher Education in India, Niti Aayog policy report, 2024
- ✓ Jury member, CII Industrial AI Awards 2023; GITA Global Technology Development Awards 2021
- ✓ Board Member, IITM Foundation, USA; Trustee, IIT Madras Alumni Charitable Trust
- ✓ Advisor, CII Center of Excellence in Data Science and AI
- ✓ Core member, DST-PAC, Chemical and Environmental Engineering
- ✓ Task Force Member, Department of Biotechnology, India (2014–2017)
- ✓ National Research Council Member, NMRL, Ambernath, India
- ✓ Editorial roles in international journals and conferences

MAJOR GRANTS, CONTRACTS, AND CONSULTANCIES (RECENT/ACTIVE)

- ✓ AI-based methods for business jet predictive maintenance, Dassault Aviation (2024–2026)
- ✓ IoT-based alert system for health and safety monitoring, HFE (2024)
- ✓ Risk-reward predictions for energy tenders, HFE (2024)
- ✓ Study on air pollution and lung cancer, BIRAC (2025–2026)
- ✓ Center of Excellence for Engineering and Retail Analytics, Walmart (2023–2028)
- ✓ Assessing Data Governance and Quality Index (DGQI), Niti Aayog (2023–2024)
- ✓ Therapeutic resistance prediction in pediatric leukemia, ICMR (2023–2024)
- ✓ Anomaly Detection, Apple Inc. (2023–2024)
- ✓ AI Scientist for Net Carbon Zero India, Dun & Bradstreet (2022)
- ✓ Numerous other projects with industry and government partners, including Saint Gobain, Pfizer, NSE, ESPN Cricinfo, Mahindra & Mahindra, Ford, Indo-Swiss grants, and more

BOOKS

Process Control Fundamentals: Analysis,
Design, Assessment, and Diagnosis
(CRC Press, 2020)

Data Science for Engineers
(CRC Press, 2022)

RECENT PUBLICATIONS (2023–2025)

Over 150 refereed journal articles and numerous conference proceedings in areas such as battery modeling, microfluidics, AI in chemical engineering, fuel cells, and systems biology.

Recent papers in AIChE Journal, Chemical Engineering Science, Plos One, The Lancet Regional Health-Southeast Asia, and more.

GRADUATE STUDENT SUPERVISION

- ✓ Currently supervising multiple PhD students in data science, energy, and healthcare.
- ✓ Successfully guided over 40 PhD students and numerous Masters and postdoctoral scholars.

PROFESSIONAL SERVICE

- ✓ Organizer, session chair, and reviewer for major conferences (AIChE, IFAC, ACC, ESCAPE, etc.)
- ✓ Member, American Institute of Chemical Engineers (AIChE).

TEACHING AND CURRICULUM DEVELOPMENT

- ✓ Courses taught: Modern Control Theory, Instrumentation and Process Control, Simulation Lab, Process Optimization, and more at IIT Madras, Texas Tech, Clarkson, Purdue, and IIT Bombay.
- ✓ Developed new courses in Artificial Intelligence in Process Engineering and contributed to laboratory enhancements.

KEY ACHIEVEMENTS AND OUTCOMES



Prof. Raghunathan Rengaswamy continues to lead in AI, systems engineering, and energy technologies, with significant contributions to research, teaching, industry collaboration, and policy. His work is recognized globally through awards, high-impact publications, and leadership roles across academia and industry

ALUMNI ENDOWMENT FUND

General Alumni endowment fund has been contributed by the 1985, 1986, 1987, 1988, 1978 batch, other alumni and well-wishers. The purpose of this endowment is to use the annual interest accruals, to fund initiatives that will have a key transformational impact on the Institute and keep it as a world-class institution of technological advancement.

The interest accrued from the financial year 2024-25 is used for the below causes

01 **Travel Grant to Students and Faculty**

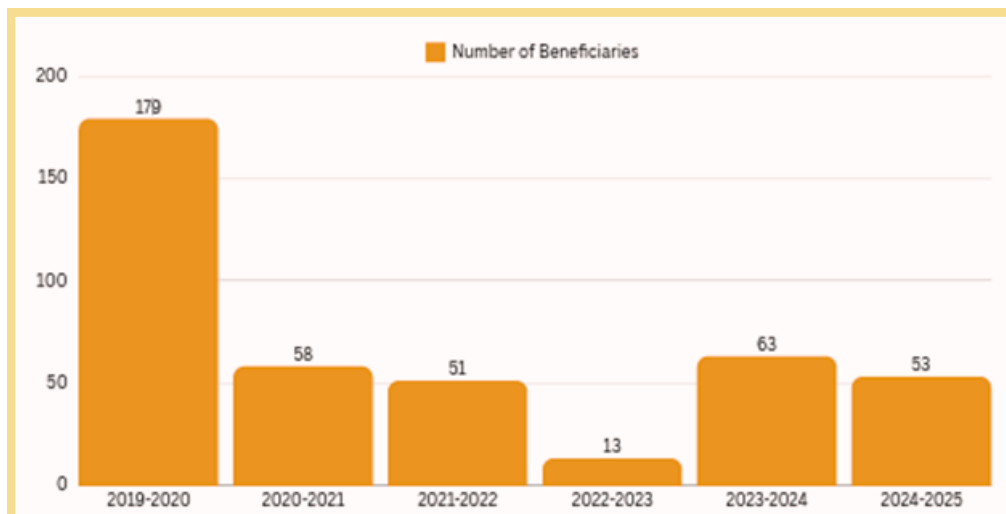
02 **Video Productions and Virtual Classroom Meetings**

TRAVEL GRANT TO STUDENTS AND FACULTY

The goal of this travel grant is to facilitate the professional development of undergraduate and graduate students/research scholars and faculty by supporting their travel for attending professional meetings.

This also supports exchange programs, summer schools, and joint doctoral programs which provide an opportunity for the recipient to present his/her own research. This enables recipients to interact with peers and established scientists, which also helps develop professional contacts to facilitate their career development.

Statistics for the past 5 years



K Jaiswal

Ph.D, Department of Civil Engineering

“

I am thankful to the donors for providing financial assistance to attend the 18th World Conference on Earthquake Engineering (18WCEE) held in Milan, Italy, during 30 June 2024 - 5 July 2024. The paper that I presented at the conference is a part of the ongoing Ph.D Thesis work.

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The international experience at IGVC 2023 has been a valuable stepping stone, sparking a keen interest in the domain of robotics.

This experience has motivated me to pursue higher studies in this domain.

I would like to take this opportunity to sincerely thank the donors for their generous travel grant which played a crucial role in making this motivating experience possible

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Lalit Jayant

B.Tech, Department of Mechanical Engineering

VIDEO PRODUCTIONS AND VIRTUAL CLASSROOM MEETINGS

Technical assistance and execution of lecture & events videos were provided by video productions and virtual classroom meetings team at IIT Madras. Few video links are given below:

Distinguished Alumni Award Ceremony



IIT Madras - Institute Hospital Inauguration



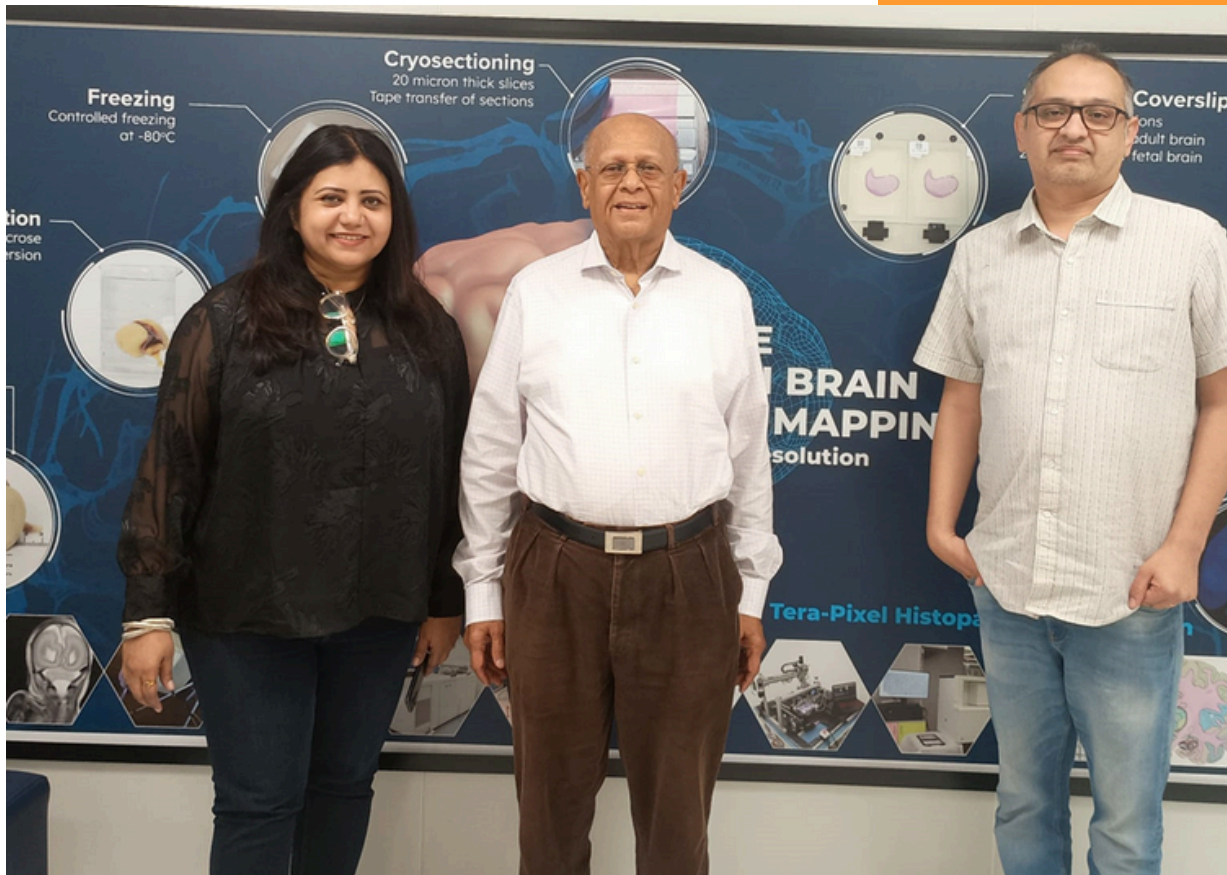
1979 Batch
Sapphire Reunion



Prof.
Chandramouli .P
Early Career Chair



We are grateful to you!



Prof. Marti G Subramanyam

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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For more information, please contact:

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