



INDIAN INSTITUTE OF TECHNOLOGY MADRAS  
OFFICE OF ALUMNI AND CORPORATE RELATIONS

*Celebrating the Generosity of*

# **Prof. Marti G Subrahmanyam & Family**



**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 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, 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. Thank you!

## Dean's Message

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



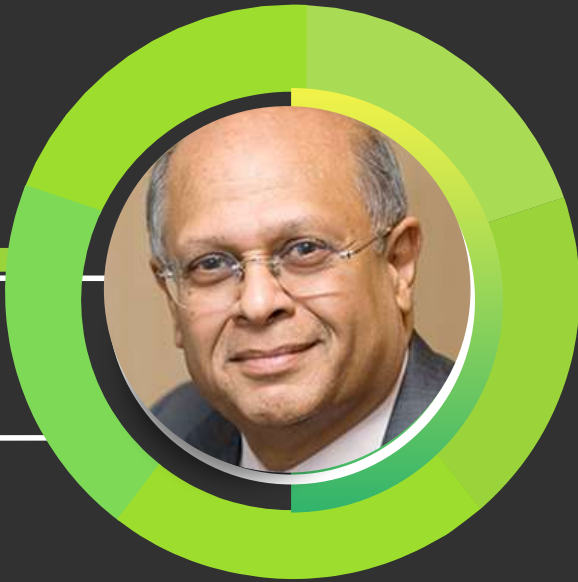
I express my heartfelt gratitude to you for your generous support to IIT Madras. We appreciate your passion in supporting the causes you do and I assure you that your contributions will be optimally utilised. This report has been compiled to convey how your largesse has touched lives and made a difference 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 !



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








**Professor Marti G Subrahmanyam [1967/BT/ME]** was born in Madras, India and in his early years attended the Church Park school, Hindu High School and Vivekananda college. He obtained his Bachelor of Technology (BTech) in Mechanical Engineering, from the Indian Institute of Technology (IIT) Madras in the year 1967. Thereafter, he obtained a Post Graduate Diploma in Business Administration, in Finance and Accounting, from the Indian Institute of Management (IIM), Ahmedabad, in 1969.

Both these institutions have conferred on him their Distinguished Alumnus Award. He earned a doctorate in finance and economics from the Massachusetts Institute of Technology, USA, in 1974. Professor Subrahmanyam has been a visiting professor at IIT Madras, IIM Ahmedabad and several other leading academic institutions in Australia, England, France, Germany, Italy, and Singapore. He has taught extensively on executive programs in over twenty countries around the world. The professor has served on the editorial boards of the European Financial Management, Journal of Banking and Finance, Journal of Business Finance and Accounting, Journal of Finance, Management Science, Journal of Derivatives, Journal of International Finance and Accounting, and Japan and the World Economy. He has published over a hundred and twenty-five articles and several books in the areas of corporate finance, capital markets, and international finance.

He is at present, the Charles E. Merrill Professor of Finance, Economics and International Business in the Stern School of Business at New York University, and Global Network Professor of Finance at NYU Shanghai, where he teaches at the undergraduate, Master's, and doctoral levels as well as in executive programs.

Professor Subrahmanyam has won several teaching awards including the New York University's Distinguished Teaching Medal. In 2016, he was awarded the Anneliese Maier Award of the Alexander von Humboldt Foundation for his research, the first economist to be so honoured.

**Stellar Journey of Prof. Marti G Subrahmanyam:**

					
<b>B. Tech - ME</b>	<b>P.G. Diploma - Business Administration</b>	<b>Ph.D. Finance &amp; Economics</b>	<b>Distinguished Teaching Medal</b>	<b>Distinguished Alumnus Award</b>	<b>Distinguished Alumnus Award</b>
<b>1967</b>	<b>1969</b>	<b>1974</b>	<b>2003</b>	<b>2004</b>	<b>2011</b>

## Boards of Several Companies:



*"The five years I spent in IIT Madras, were really formative and probably the most important influence in my life"*  
– Prof. Subrahmanyam, July 2018

## Summary of your Contributions to IIT Madras

2011

**Alumni  
Endowment  
Fund**

2011 &  
2017

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

2019

**Marti  
Mannariah  
Gurunath  
Institute  
Chair**

2021

**COVID-19  
Relief for  
India**



# General Alumni Endowment Fund

General Alumni endowment fund has been contributed by the 1985, 1986, 1987, 1988, and 1978 batches, 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 2022-23 is used for the causes**

**Travel Grant to Students and Faculty**

**Video Productions and Virtual Classroom Meetings**

**Journal Publication Support**

## 1. Travel Grant

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. During the FY 22-23, 13 students have benefitted through this grant.



## Some of the Beneficiaries Benefited from the Travel Grant



Bakul Jangley



Amogh Waghmare



Pratyush Kumar



Ramita Jawahar



Shrishti Adhikary



Sreelekshmi PS



Amal Zulfikar



Deepak Bajhaiya

To read more about beneficiaries feedback

[CLICK HERE](#)



## 2. Video Productions & Class Room Virtual Meetings

National Programme on Technology Enhanced Learning (NPTEL), a project of the MHRD initiated in 2003 by seven Indian Institutes of Technology (Bombay, Delhi, Kanpur, Kharagpur, Madras, Guwahati and Roorkee) along with the Indian Institute of Science, Bangalore, provides recorded lectures taught by its member institutes online for open access. The online e-portal has over 470 million views and its YouTube Channel is the most subscribed educational channel with more than 1.5 million subscribers and over 404 million total views. With 56000+hour's video content, it is the most accessed library of peer-reviewed educational content in the world.

## 3. Journal Publication Support

- 1 Financial support for meeting publication charges in selected prestigious open access journals.
- 2 The publications of faculty members were encouraged, as it is an added advantage to release their journal in open access
- 3 Preferably to have their valuable and hard work secured behind a pay wall
- 4 Thus IIT Madras encourages and supports its faculty members by providing financial support for publishing in open access journals
- 5 So far 10 faculty has been benefitted through this scheme

Thank you message by one of our eminent professors of IIT Madras to all the contributors who supported journal publication



**Prof. T. Asokan**

Department of Engineering Design  
IIT Madras

"I am highly thankful to IIT Madras which made the open access publications a possibility for many faculties at IIT Madras. The high cost of publication in reputed journals was often a bottle neck for many of us to opt for high-impact journals for publication of our research work. The support provided through the alumni office has greatly helped us to overcome this problem and make our research work accessible to a wider audience through open access route. I personally benefited from this and could publish three papers in high-impact journals. We will be ever grateful to all the contributors for making this possible."

## Srimathi Marti Annapurna Gurunath Award for Excellence in Teaching



**Prof. Rupesh Nasre**

Srimathi Marti Annapurna Gurunath Award for Excellence in Teaching is generously endowed by IIT Madras Alumnus, Prof. Marti Subramanyam (Stern School of Business, New York University), serves as a tribute to the cherished memory of his beloved parents **Mr. Gurunath & Smt. Marti Annapurna**. The award presentation was scheduled for the Institute Day.

The award delivers a medal, citation and certificate to teachers voted by the students for consistent teaching performance. Two awardees have been chosen for Srimathi Marti Annapurna Gurunath Award for excellence in teaching at IIT Madras for the year 2022-2023.



**Prof. Nagabhushana Rao Vadlamani**



The coveted award has been bestowed upon a dozen deserving individuals up until 2022



Prof. K. Krishnaiah  
2012



Prof. C. Balaji  
2013



Prof. Devadas Menon  
2014



Prof. David Koilpillai  
2015



Prof. C. Chandra Sekar  
2016



Prof. A. Ramesh  
2017



Prof. Jayalal Sarma  
2018



Prof. Shankar Ram  
2019



Prof. Kameswararao  
2020



Prof. Venkatarathanam  
2021



Prof. Mitesh Khapra  
2022



Prof. Anubhab Roy  
2022

## Gratitude Note of 2023 Beneficiaries



Prof. Rupesh Nasre

Department of  
Computer Science Engineering

*"Firstly, I would like to thank Prof. Marti Subramanyam for actually sponsoring this award. Any award is special for a reason that it tells us that we are actually doing something right. It is quite a memorable award and also I thank the selection committee for recommending me for this award."*

*"From my lecture towards this excellence in teaching award it has been a steep journey and I would like to thank the donor of this award and all my students who could sustain whatever I could teach or not teach."*



Prof. Nagabhushana Rao  
Vadlamani

Department of  
Aerospace Engineering

# Marti Mannariah Gurunath Institute Chair

Chair Professorships are awarded to Professors who have distinguished themselves and have been recognized by their peers for their research and/or technology development.

This Institute Chair was named in honor of Prof. Marti Subramanyam's father **Mr. Marti Mannariah Gurunath**. The Chair was launched on Dec 27, 2019 and the first occupant of the Chair is **Prof. Raghunathan Rengaswamy**, Department of Chemical Engineering, IIT Madras.



**Prof. Raghunathan Rengaswamy**  
Dept of Chemical Engineering  
IIT Madras



**Chair Professor, Marti Mannariah Gurunath Chair**  
Department of Chemical Engineering, IIT Madras



**Fellow INAE**  
(Indian National Academy of Engineering)



**Dean**  
Global Engagement, IIT Madras












**Founding Director**  
Gyan Data Pvt Ltd



**Passionate Researcher**  
Mentor and Entrepreneur

## Career Journey:

								
<b>Core Member</b>	<b>Co-Founder and Director</b>	<b>Co-Founder and Director</b>	<b>Co-Founder and Director Elicius Energy</b>	<b>Senior Engineer Asea Brown Bover</b>	<b>Assistant Professor IITB</b>	<b>Visiting Assistant Professor, Purdue University</b>	<b>Assistant Professor Clarkson University</b>	<b>Professor Texas Tech University</b>

## A Few Achievements and awards of the Chair occupant

- » 2022 - **“Data sciences for engineers”** book released by Union Finance Minister **Nirmala Sitaraman** in a CSR summit held at IIT Madras.



- » **Dr. Y.B.G.Varma award** for teaching excellence at IIT Madras in 2018

- » **John W. Graham Jr. Faculty Research Award**, Clarkson University, 2006



- » **International Federation of Automatic Control (IFAC) Best Paper Prize**, 2002–2005.
- » **Best Paper of the Session award** at the American Control Conference, Boston, 2004.
- » **Omega Chi Epsilon, Professor of the Year Award** (Chemical Engineering), Clarkson University, 2003.

## Research Interests:

Energy Systems

System Biology

Multi-Scale Modelling

Fuel Cell Technology

Process Fault Diagnosis

Controller Performance Assessment

His work is in the area of systems engineering with a focus on modeling and the use of data science, ML and AI techniques. His work in these areas has resulted in more than 125 papers, two US patents and several conference papers and presentations. Overall, his work has been cited more than 11000 times with an h-index of 42.

## Patents:

**Tubular PEM fuel cell and cell stack thereof**  
Patent No. IN201841031842A

**Intelligent ecosystem for metropolitan transport services**  
Patent No. IN20130457614

## Publications:

- 2022 – Perspective on Radiolytic Charging for Redox Flow Battery Electrolytes Using the Nuclear Decay Energy of Spent Nuclear Fuel/Radionuclides
- 2022 – Data science and IoT based mobile monitoring framework for hyper-local PM2.5 assessment in urban setting
- 2022 – Lithium-air battery electrocatalyst identification using Machine Learning and SciBERT word embeddings
- 2022 – Multi-Omic Data Improve Prediction of Personalized Tumor Suppressors and Oncogenes
- 2022 – Designing Biological Circuits: From Principles to Applications
- 2022 – Novel ratio-metric features enable the identification of new driver genes across cancer types
- 2022 – CDiNN – Convex difference neural networks

For more details

[CLICK HERE](#)





# 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 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 support the nation both financially and socially.

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
2. Healthy meals for students who were stranded in the institute during covid.
3. 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**.



» 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



*Donated BiPAP units, Injections and medicines*

» Contributed **200 oxygen concentrators** (5 litres each) to the **Government of Telangana**.

» **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



Ajay A P

*"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"*

*"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



Bhadra Hrishikesh

*"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"*

*"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



# Then and Now



4<sup>th</sup> Convocation of IIT Madras in 1967



59<sup>th</sup> Convocation of IIT Madras in 2022

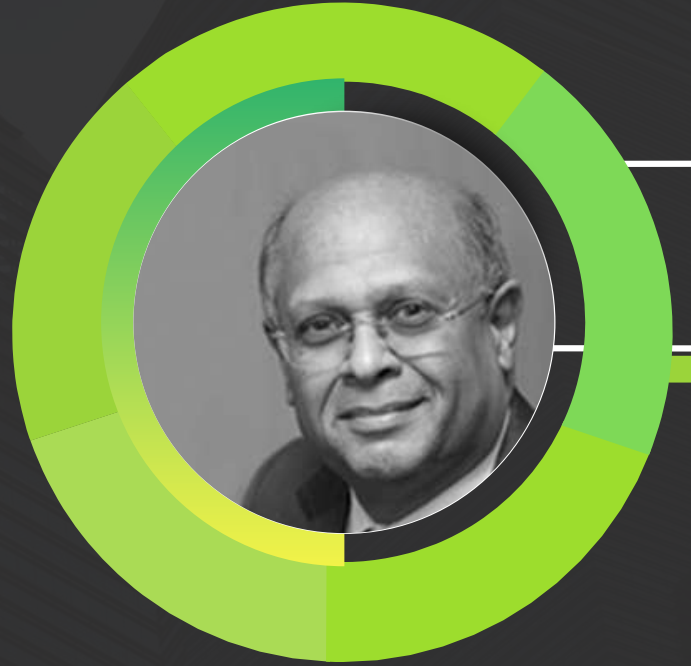


*We are grateful to you*

## **Prof. Marti G Subrahmanyam & Family**

*Thank you for your sustained generosity to IIT Madras over the years. Contributors such as yourself enable our students and Professors to dream big and work towards a better and brighter future. We hope you are proud of your alma mater and how it has remained steadfastly committed to academic and research excellence during and after your time here. You and your family have been instrumental in facilitating this significant growth.*

*Our efforts to nurture the culture of academic excellence that is the hallmark of IIT Madras - quality education, cutting-edge research, and unfettered creativity - shall continue. We are privileged and humbled to have you and your family walking with us along this trail. We wish you and your family the best always in all walks of life!*



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June 2023