



Indian Institute of Technology Madras  
Office of Alumni and Corporate Relations

# Celebrating The Generosity Of



**Mr. Gopalan Raman**

**Impact Of Your Giving In 2024**

# Director's Message

## Prof. Kamakoti Veezhinathan Director, IIT Madras



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, unwavering dedication and creative mindset of its faculty and students. The contribution and support of Alumni and well-wishers like you have 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.

IIT Madras is making an indelible mark in promoting and providing education to students from the length and breadth of India to areas beyond Indian territory, through her initiatives in rural developmental educational programs, international, interdisciplinary M.Tech courses, and online diploma courses. The popularity and reach of our online courses can be gauged by the fact that around 25000 students in ages ranging from 17 to 82, have enrolled for these courses across national boundaries, and about 30% are from rural India. The institute, in a first-ever initiative by an IIT, has consolidated its position on the world map by establishing her international campus in Zanzibar, Africa where about 45 students have been admitted to different programs.

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Innovation and entrepreneurship are ingrained in all our endeavours – our ambitious ventures in rocket and space explorations, the development of lab-grown diamonds, hyperloop, the Brain Research Centre etc, are a testimony to this. The start-up ecosphere is also a reflection of this spirit, wherein last year, 70 startups came to fruition, successfully nurtured by our centres of excellence, the Centre for Innovation, Nirmaan – the pre-incubator, the Incubation Cell, technology centres such as 'IITM-Pravartak' at the IIT Madras Research Park and others. This year, our target is to incubate at least a 100 Start-ups in various sectors. It is expected that at least 20% of the passing out students will be proud CXOs of their own ventures! The year 2023 also saw 221 national and 105 international patents from our Institute and we are looking to closing this current financial year with 366 patents, to account for 'a patent a day'.

Towards promoting inter-disciplinary research and exploring new frontiers, a Department of Medical Sciences and Technology was launched in May 2023, a School of Sustainability in Oct 2023, a Department of Data Science and Artificial Intelligence in Nov 2023 and a new Interdisciplinary Dual Degree program on Quantitative Finance in Dec 2023 through the synergy of the departments of Management Studies, Computer Science and Engineering and Mathematics. Our School of Sustainability has signed MoUs for collaborations with Tel Aviv University, Israel and Technische Universität Dresden, Germany, with the aim of being recognized as a leader for sustainability teaching and research in the global south.

Lofty ambitions and achievements are impossible without the deep-rooted faith and support of alumni and well-wishers like yourself. We are indebted to you for your bountiful, impactful contributions and the faith reposed on us. On behalf of IIT Madras, I express my 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 seized of tomorrow's needs to be nationally and globally relevant.

Thank you!

# Dean's Message

## Prof. Mahesh Panchagnula Dean, Alumni & Corporate Relations, IIT Madras



Greetings from the Office of Alumni and Corporate Relations!

Please accept my sincere appreciation for the unwavering support you continue to provide to IIT Madras. Your generosity is the cornerstone of our success, and we are truly grateful for your commitment to the causes that are important to the students and faculty of IIT Madras. This report is a testament to the profound impact your contributions have had –by transforming the lives of students, supporting research, augmenting Institute infrastructure, enhancing learning or through supporting other myriad causes. Your trust in us propels our ambitions, and we are committed to ensuring that your donations are utilized to their fullest potential.

In a world evolving rapidly in science and technology, we have set ambitious goals for ourselves. Your enduring enthusiasm and support provide fillip to our efforts. IIT Madras stands as a beacon of diversity, sustainability, innovation and research excellence. While we have transformed over the years, our commitment to being a premier institute in the country and abroad, remains steadfast, attracting the brightest minds from across the globe. I cordially invite you to visit the campus, witness first-hand the salutary impact of your contributions, and observe the Institute's growth and evolution over the years.

Your generous gifts have made an incredible difference in our Institute's aspirations – Thank you!

Your continued partnership is invaluable as we navigate the exciting journey ahead, shaping the future of India and the world together.

# Summary Of Your Contributions

- Lakshmi Raman Memorial M.Sc Physics Scholarship
  - Lakshmi Raman Memorial M.Sc Chemistry Scholarship
  - Lakshmi Raman Memorial M. Sc Mathematics Scholarship
  - Music Club Endowment
- 
- Lakshmi Raman Memorial Lecture in Physics
  - Lakshmi Raman Memorial Lecture in Mathematics
  - Lakshmi Raman Memorial Lecture in Chemistry
  - Lakshmi Raman Memorial B.Tech(4 yr) Supplemental MCM



# Lakshmi Raman Memorial M.Sc Physics Scholarship

Every year Amount of Rs. 28,200/- will be given as the scholarship for each student under the below mentioned criteria :

- For the first year MSc girl student with the highest Rank in Joint Admission Test (JAM).
- For first year MSc girl student with highest CGPA at the end of 2nd semester

## Feedback From Beneficiaries



**Akansha Negi**  
**PH22C003**

**Department of Physics**



I come from a very small family. My father is a retired Army man and my mother is a housewife.



I want to utilise most of the opportunities provided to me at IIT madras. However, my main aspiration is to pursue research.



Thank you for your support Sir. I am deeply grateful for the opportunity.

# Lakshmi Raman Memorial M.Sc Physics Scholarship

## Feedback From Beneficiaries



**Snigdha Mohanty**  
**PH23C041**  
**Department of Physics**



The family consists of myself, my mother and my sister. My mother manages a home boutique and my sister is also working. Together they support the household. However we continue to face financial instability.



I am committed to maximizing my learning opportunities during my time at this IIT Madras. My aspiration is to pursue a career path focused solely on the field of physics. It has relieved significant the financial burden and strain I face every month.



I am immensely grateful for the scholarship. Your generosity has lightened my financial burden and inspired me to excel in my academic pursuits. Thank you for investing in my education and believing in my potential.

# Lakshmi Raman Memorial M.Sc Chemistry Scholarship

Every year Amount of Rs. 28,200/- will be given as the scholarship for each student under the below mentioned criteria :

- For the first year MSc girl student with the highest Rank in Joint Admission Test (JAM).
- For first year MSc girl student with highest CGPA at the end of 2nd semester

## Feedback From Beneficiaries



**Subhra Nandi**  
**CY23C063**  
**Chemistry**



I am from a lower income family. My father has a small businesses in village.



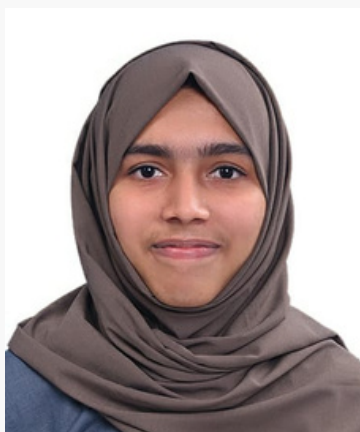
It's helps me to motivate always.  
This scholarship has helped me to give the fees of IITM in next semester and also aide in my transportation from my home to the campus.



Thank you sir.... I will be very grateful to you.

# Lakshmi Raman Memorial M.Sc Chemistry Scholarship

## Feedback From Beneficiaries



**Hiba Sherin P K**  
**CY22C018**

**Department of Chemistry**



I come from a family of four including parents and a younger sister. My father is a farmer, my mother is a housewife and my sister is studying in 12th standard. I grew up in a small village in Kerala.



I want to pursue my Ph.D. but I am contemplating on whether it would be beneficiary to study in India or abroad.



I express my sincere gratitude to Mr. Gopalan Raman for making this scholarship and for choosing me as a recipient of this scholarship. The financial assistance you provided will be of great help to me for my educational expenses (tuition fees, mess fees), allowing me to focus more on my academics.

Thank you again for your support, I will work very hard and eventually try to give back to others like you did.



# Lakshmi Raman Memorial M.Sc Mathematics Scholarship

Every year Amount of Rs. 28,200/- will be given as the scholarship for each student under the below mentioned criteria :

- For the first year MSc girl student with the highest Rank in Joint Admission Test (JAM).
- For first year MSc girl student with highest CGPA at the end of 2nd semester

## Feedback From Beneficiaries



**Monideepa Bhattacharjee**  
**MA22C027**  
**Dept. Of Mathematics**



I am not financially that strong, my mother is a working woman and my father is currently not in any work. The scholarship was really helpful for me.



I was always interested towards Mathematics and IITM gave me a huge opportunity to this. I am further planning to pursue PhD in Mathematics. It helped me financially a lot to pay my fees.



Thank you so much Sir for this scholarship. It really helped me a lot.

# Lakshmi Raman Memorial M.Sc Mathematics Scholarship Feedback From Beneficiaries



**Samanwita Karmakar**  
**MA23C040**  
**Dept. Of Mathematics**



I am from West Bengal. There three members in my family, my father, my mother and me. I am the single girl child. I don't have any siblings. My father is a teacher of a govt school and mother is a house wife.



My goal is to pursue Ph.D.. I am trying my best to learn from the IIT Madras professors and preparing myself for studying. This scholarship helps me financially since my father is only earning person in our home and also this scholarship encouraged me to study hard.



I want to express my sincere gratitude to you for making the scholarship possible and I am deeply appreciative of your support. Since I have already told my father is the only earning person in our home so it is really very helpful for me. Thank you so much sir.

# Music Club Endowment CULTURAL FEST



Smt.Sumitra Vasudev took an evening stroll through the vivid ragas of the Carnatic forest. She commenced the concert with a rare Mohanam Varnam. The Kannadagoula raga composition of Sri Mudduswami Dikshitar “NilothphalAmbikAyA” ensued thereafter.

The different angAs of sArangA shone brightly in the rAgA AlApana for “NeevAda negAna” in the entourage of sArangA. Dr.Hemalatha, Sri Manoj and Sri B.S.Purushotham provided a good rapport to the niraval and kalpanaswaram for the line “Satyambu nithyambu samaramuna sowkyambu”. The KedAragoula kriti of Sri Thyagaraja “VenugAna Loluni” adorned the many facets of Manodharma sangeetham namely in the form of alApana, a befitting virutham from the Bhagavat Gita “Kasturi Tilaka lalAta...”, niraval and swarams for the charanam line “Vikasita pankaja vadanalu..”.





The composition was popularized by Late.Smt.M.S.Subbulakshmi. She rendered a moving Ahiri for the kriti of Sri Narayana Thirtha “Viksheham kadA”. Smt. Sumithra’s concert featured composers post trinity too. A Koteswara Iyer composition “Kanaka Vela” set in the Sri raga added a different pace to the concert.

The Sri raga is conformed to the Dikshitar sampradaya. This was followed with the bliss of ShankarAbharanam, in full grandeur. The magnum opus composition of Sri Mudduswami Dikshitar “Akshaya Linga VibhO” was the chosen AbharNam for the shankarAbharanam. The line “Badari vanamula nAyika sahita” is elaborated in the form of niraval and kalpanaswarams in the vocal, instrumental and percussion tradition. Sri Manoj and Sri.B.S.Purushotham rendered a “sowkyamAna” thani for the line. The concert concluded with Sri ArunAchala Kavirayar’s “AvathAram seidhiduveere” in the ragam Jonpuri and a Vasantha thillana. The bhAvA laden music with the Kalpita sangeetham and manodharma sangeetham held on par with each other, which makes Smt. Sumithra a rare gem for Carnatic music.

IIT Madras Music Club was proud to have the Central Lecture Theatre feature such concerts.

The ambience was not only a treat for the audience but for the artists as well.

**Smt.Sumithra Vasudev – Vocal**  
**Sri B.S.Purushotham – Kanjira**  
**Sri Manoj Siva – Mridangam**  
**Smt.R.Hemalatha – Violin**

# Lakshmi Raman Memorial Lecture in Physics

**Lecture Title:**  
**Fractionalized excitations in Quantum  
Spin Liquids and their Detection**

## About The Speaker



Nandini Trivedi is a Professor of Physics and a Distinguished Professor of the College of Arts and Sciences at the Ohio State University. Trivedi got her undergraduate degree from the Indian Institute of Technology, Delhi and a Ph.D in physics in 1987 from Cornell University. After post-doctoral research at University of Illinois at Urbana-Champaign and State University of New York, Stony Brook, she joined Argonne National Laboratory as a staff scientist. In 1995 she joined the faculty of the Tata Institute of Fundamental Research, Mumbai. Since 2004 she has been a professor of physics at the Ohio State University. Trivedi's research is in understanding emergent phases in quantum matter due to strong correlations and topology.

## About The Lecture

The 2022 Nobel prize celebrates the detection of entanglement between two photons. Quantum spin liquids (QSLs) are long-range entangled states of matter of billions of interacting qubits or spins that develop in a Mott insulator. The fate of the interacting spins can progress along two paths as the temperature is lowered: the spins can undergo long range ordering, spontaneously breaking the continuous symmetries, leading to a magnetic phase; or the spins can remain disordered but get quantum mechanically entangled with long range patterns of many-body entanglement in the resultant QSL. The possibility of obtaining QSL phases is enhanced by having a low spin and enhanced quantum fluctuations, and frustration arising from the lattice geometry and/or competing spin-spin interactions. Remarkably QSLs harbor fractionalized excitations rather than the conventional spin waves of ordered magnets that carry integer units of angular momentum. In my talk I will identify detectable signatures of these fractionalized excitations in experiments using light and neutrons. These fractionalized excitations are promising candidates to create logical qubits for quantum computation.



The speaker selection for the Lakshmi Raman Memorial Lecture in Chemistry and the Lakshmi Raman Memorial Lecture Mathematics is currently under review. We will provide an update once the lecture has been held.

# Lakshmi Raman Memorial B.Tech(4 yr) Supplemental MCM

The Govt. Merit-cum-Means Scholarship has been revised to cover 2/3rd of Rs. 2 lakhs (i.e., Rs. 1.33 lakhs), leaving Rs. 66,667 to be covered by the student. This remaining amount is supported by contributions from alumni, corporates, and well-wishers through the Office of Alumni and Corporate Relations at IIT Madras. Eligibility for the scholarship requires a parental income between Rs. 1 lakh and Rs. 5 lakhs per annum. B. Tech. and Dual Degree students are eligible, with tuition assistance provided for up to four years.

## Feedback From Beneficiaries



Aditi Bothra  
CH20B006  
Dept. Of Chemical  
Engineering

### **FAMILY BACKGROUND**

I am from middle class background with grandparents, parents and 2 siblings.

### **ASPIRATIONS**

In IIT I wanted to explore myself more and more and interact with different people having different views, make nice friends and some connections. I wanted to always make my parents feel proud and want to be financially sufficient for my family's ease.

### **IMPACT CREATED**

It really helped me financially and helped my full family making the iitm life easy.

### **GRATITUDE NOTE**

I and my family are very grateful to you for helping us financially. Surely, in future whenever I will be financially sufficient will definitely help someone else in their education in some way.  
Thank you so much sir.



**G Rama Sai Priyanka**  
**EE20B034**  
**Dept. Of Electrical**  
**Engineering**

### **FAMILY BACKGROUND**

My father does business in constructions. My mother is a homemaker.

### **ASPIRATIONS**

Right now I have been placed as a software engineer at Google. I'm considering two options in my life

1. Growing in the software field only
2. I am actually interested in UPSC, so maybe after 2 years I want to start UPSC training but I'm worried about financial hardships If I leave my job after 2 years

### **IMPACT CREATED**

This scholarship has helped me a lot , it mostly covered my college fees which is very important for me also due to which I could focus on my studies and get placed in a dream company like google.

### **GRATITUDE NOTE**

I would like to sincerely thank Mr. Gopalan Raman for this scholarship. It has helped me and my family a lot.



**Gulla Jahnvi**  
**ME20B076**  
**Dept. Of Mechanical**  
**Engineering**

### **FAMILY BACKGROUND**

My family background includes my father who has a small scale real estate running in my native place and my mom who is a housewife. I also have a brother who is currently pursuing his MBBS degree at AIIMS Delhi.

### **ASPIRATIONS**

My aspirations at IIT Madras include getting involved in the various tech and cultural events going around the campus, not only on the viewer side but also the back stage and what all events lead to building such a huge platform for the respective events. I was also inspired by the Start-up incubator, Nirmaan where I had the opportunity to work hands on.

### **IMPACT CREATED**

This scholarship has had significant impact on me, both academically and personally. Financial support has eased the burden of tuition fees, allowing me to focus more on my studies and pursue extracurricular activities. It has boosted confidence and motivation, knowing that my hard work is being recognized. Overall, this scholarship has not only lightened my financial load but also enriched my university experience and opened doors to new opportunities.

### **GRATITUDE NOTE**

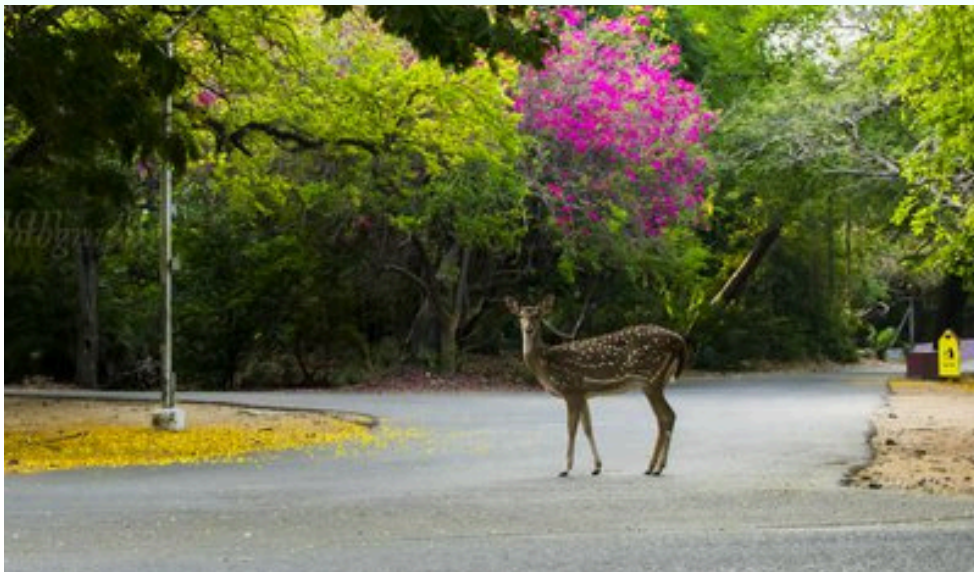
I want to express my heartfelt gratitude for your generous support through the scholarship you established. Your commitment to empower students like me is truly inspiring and has made a significant impact on not only my academic journey but also on my personal journey. Thanks to you, I have been able to pursue my studies with greater focus and determination. Your belief in the potential of students like mine has not only provided financial assistance but also motivation and confidence to strive for excellence. I am truly grateful for the opportunities and support you have provided, which will undoubtedly shape my future success.



# We Are Grateful For You and Your Family Mr. Gopalan Raman

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 relations with IIT Madras and how it has remained steadfastly committed to academic and research excellence. 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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