



Indian Institute of Technology Madras  
Office of Alumni and Corporate Relations

# Celebrating the Generosity of Dr. Srinivasan Seshadri



Impact of you Giving in  
2024

# Director's Message

## Prof. Kamakoti Veezhinathan

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 MTech 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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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 and Corporate Relation's Message

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.



# Dr. Srinivasan Seshadri

1988/BT/CS



We are pleased to highlight the contributions of Dr. Srinivasan Seshadri, Chief Engineering Officer at Aerospike, an experienced technologist with expertise in AI, Machine Learning, Data Science, Data Management, Search, Natural Language Processing, Scalability, E-commerce, and Team Building. He excels in leveraging cutting-edge technology to develop impactful products that drive business success.

We are delighted to acknowledge the significant projects facilitated by Dr. Srinivasan Seshadri, supported by Mrs. Shuba Krishna. Their generosity towards IIT Madras is deeply appreciated, and we celebrate their commitment along with their family.

## Summary of your Contribution

1

C. Pandurangan Faculty Fellowship

2

1988 Batch Pearl Reunion Alumni Endowment Fund

# C. Pandurangan Faculty Fellowship



**RECIPIENT Prof. Sanjib  
Senapati Department of  
Biotechnology**

## Academic Background :

- Master of Science from University of Calcutta
- Ph.D. from Indian Institute of Technology Kanpur

## Research Interests :

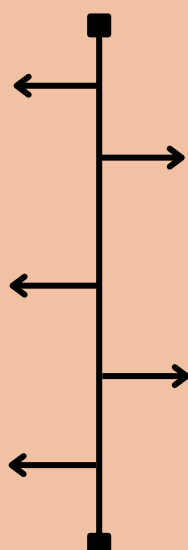
- Protein Dynamics
- Green Chemistry
- Nano Clusters
- In-vitro Studies

## Professional Experience :

**2000-2003**  
**Post Doctoral Fellow**  
Department of Chemistry,  
University of North Carolina

**2005-2010**  
**Assistant Professor**  
Department of  
Biotechnology, IIT Madras

**2015-Present**  
**Professor**  
Department of  
Biotechnology, IIT Madras



**2003-2005**  
**Research Scientist**  
Department of Chemistry and  
Biochemistry, University of  
California

**2010-2015**  
**Associate Professor**  
Department of Biotechnology,  
IIT Madras

Prof. Sanjib Senapati is an Indian biophysicist, biochemist, biotechnologist and a professor at the Bhupat and Jyoti Mehta School of Biosciences, Department of Biotechnology of the Indian Institute of Technology Madras. The team led by him focuses their research in the fields of protein dynamics, green chemistry and nanoclusters. His studies have been documented by way of a number of articles. Also Prof. Senapati has published more than 100 research papers in various national and international journals.

### **Salient achievements of this year:**

1. SS group reached to the milestone of publishing 100 international peer-reviewed journal articles
2. The group developed a new drug formulation technology that reduces the dose intake while accelerating the onset of action of a range of drugs. Filed applications. for six Indian patents.

### **Awards and recognitions :**

Fulbright Scholarship program by the United States Department of State Bureau of Educational and Cultural Affairs, 2017-18  
National Bioscience Award for Career Development by Department of Biotechnology, 2015



# 1988 Batch Pearl Reunion

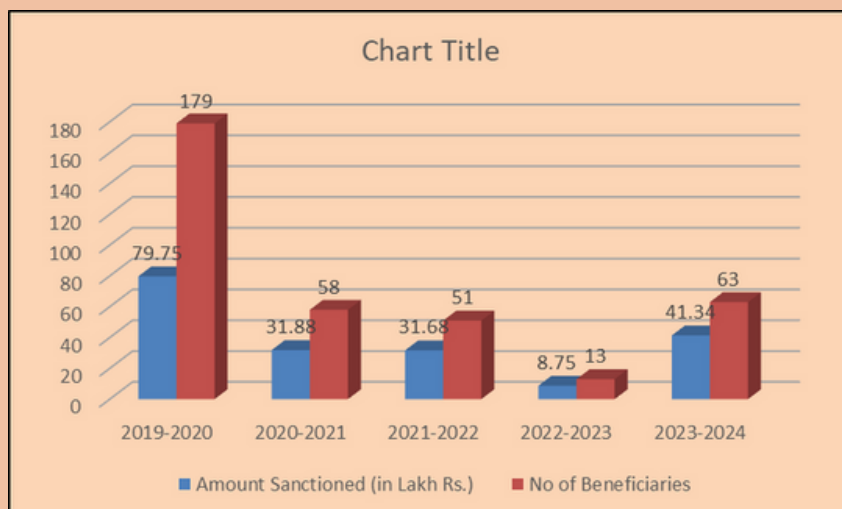
The 1988 Batch Pearl Reunion was held in the year 2018. The batch reunion contributions were used towards the Alumni Endowment Fund. The annual interest from the Alumni Endowment Fund was utilized towards the Travel Grant during the year 2023-2024.

## 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.

### Statistics for the past 5 years



## Gratitude Note from the Beneficiaries



**Name : P. K. Vishnu**  
**Degree : Ph.D.**  
**Department : Physics**

I am writing to express my deepest gratitude for the generous grant I received from the Office of Alumni and Corporate Relations for my research visit to Missouri University of Science and Technology, Rolla, United States. This research visit was very crucial for my Ph.D. thesis. I got an opportunity to interact closely with my collaborator, who is an expert in my field of research. The lessons learned, both academically and non-academically, are invaluable in my life.

Your kindness and generosity have left a profound impact on not only me but many students at IIT Madras. I feel lucky to be awarded this financial support and am motivated to give back in the future, contributing to the legacy of support and excellence.



I am Anusha Kumar, am a M.S. – Ph.D. dual degree student in the Department of Management Studies, working under the guidance of Prof. Nandan Sudarsanam. As a Visiting Student, I visited the Massachusetts Institute of Technology, Cambridge, United States. During my research program there at MIT, I worked under the supervision of Prof. Daniel D. Frey in the Department of Mechanical Engineering.

I benefitted immensely from the Alumni Travel Grant, which helped cover my living expenses. The visit has been a great opportunity and learning experience, and the work carried out at the host institute is a valuable addition to my current research work. I thank the donors and the travel grant committee for considering my application and awarding the grant.



**Name : Anusha Kumar**  
**Degree : Ph.D.**  
**Department : Management Studies**







Name : Aniruddha Roy  
Degree : Ph.D.  
Department : Electrical  
Engg

I am writing to express my deepest gratitude for the travel grant I received. 2022-2023. I am truly honored and humbled to have been selected as a recipient of this fund. My paper titled "Distributed control of networked multi-agent systems using network adapted guaranteed cost equilibrium controls" was accepted for presentation at the 61st IEEE Conference on Decision and Control (CDC) held in Cancún, Mexico.

I am grateful for the support I have received, which has played a crucial role in enabling me to participate in the flagship conference (CDC) of the IEEE Control System Society. Attending this conference has broadened my knowledge, allowed me to connect with researchers, and contributed to meaningful discussions in the relevant research field. A big thank you to my PhD supervisor, Dr. Puduru Viswanadha Reddy, for always helping and supporting me to be part of this conference.

I want to convey my sincere appreciation to the donors for their commitment to promoting education and enabling individuals like me to pursue and share knowledge on a broader platform. Their support has made a significant difference in my life and serves as an inspiration to strive for excellence in my academic and professional pursuits. Receiving this grant has not only supported my current work but also inspired me to contribute in the future, creating a positive impact within our community.

I would like to thank the alumni of IIT Madras for sponsoring my trip to Istanbul Technical University so that I could participate in Anatolian Rover Challenge 2022.

Participating in the competition was definitely a once-in-a-lifetime opportunity that taught me a lot of things, not just technical details, but personal and cultural as well. I learned so much about technology and teamwork, and met people from various academic and cultural backgrounds. All of this inspired me to come back and improve upon our designs with renewed vigor and gave me immense enthusiasm for pursuing my interests in engineering!



Name : Kishore  
Rajendran  
Degree : B.Tech  
Department : Electrical  
Engg



Name : Navneet Kumar  
Degree : B.Tech  
Department : Ocean Engg

I am writing to express my deepest gratitude for the incredible opportunity you've provided by generously sponsoring my travel funding for the internship in Japan. During my internship in Japan, I have had the privilege of immersing myself in a rich cultural exchange, gaining hands-on experience, and expanding my professional network.

The insights and skills acquired will undoubtedly play a crucial role in shaping my future career. I am truly grateful for your investment in my education and development. Your Commitment to fostering opportunities for students like myself is commendable and a beacon of encouragement. I look forward to utilizing the knowledge gained during this internship to contribute positively to my field and society.



I am incredibly grateful for your support which made my trip to the Anatolian Rover Challenge in Turkey possible. Interacting with the judges and other international teams gave me valuable insights on how to improve the rover in the coming year. This experience not only sharpened my problem-solving abilities but also fuelled my passion for robotics. Overall, I learned a lot and had fun along the way so I sincerely thank you.



Name : Prithvi Raj  
Degree : B.Tech  
Department : Mechanical Engg





Name : Prahalad S  
Degree : Dual Degree  
Department : Biotechnology

I would like to thank all the donors for providing me with this grant, which allowed me to attend the Students' Conference on Conservation Science at the University of Cambridge. Being an engineer who is transitioning into wildlife conservation, this conference exposed me to the different facets of research conducted around the world.

In addition, it allowed me to meet and network with like-minded individuals from different parts of the world. This conference has played a huge role in shaping my future career and I would like to offer my thanks to all the alumni for making this possible.

I would like to thank the donors of the alumni grant from the bottom of my heart. I was able to attend a conference in Sydney due to the generous contributions made by some selfless individuals. The experience that I gained from this visit is something that I will never forget and will make a significant impact on my research journey and career.

The alumni grant program also made me realize the greatness of the IITM alumni community and has inspired me to be a selfless individual. I sincerely thank the people whose contributions made it possible for me to experience a different part of the world and meet some amazing people. I shall be forever grateful to IITM and the Alumni Association for this opportunity.



Name : Barbade  
Chaitanya Shanteshwar  
Degree : MS  
Department : Civil Engg





I am writing to express my profound gratitude for the travel grant. This travel helped me to attend and present my research work internationally. It also helped me to meet a lot of student researchers and professors from all over the world and keep myself updated in this field.

Name : Vinodhini S  
Degree : Ph.D  
Department : Applied  
Mechanics



In November of 2022, I was selected to present a paper at the prestigious International Academic Forum, Asian Conference on Education and International Development (IAFOR ACEID) 2023 in Tokyo, Japan. I successfully attended the conference and presented my paper titled "Toto Chan: Tetsuko Kuroyonagi, Akira Takahashi, and Case Studies on Individual Uniqueness's".

Later, in September 2023, I applied for the Alumni grant for the Conference, and after an interview that went well. I hereby thank the Alumni Association of IIT Madras for the generous financial assistance concerning the IAFOR ACEID2023 Conference. I also express my gratitude to the vibrant Alumni Association of IIT Madras for making these grants possible for the student community. As a student who will soon become an alumna of this prestigious institute, I am also willing to be part of this noble mission of contributing to making this scholarship possible in the coming years.



Name : A. Harisankar  
Degree : Ph.D.  
Department : Humanities  
& Social Science



**WE ARE GRATEFUL TO YOU AND YOUR FAMILY!  
DR. SRINIVASAN SESHADRI  
&  
MRS. SHUBA KRISHNA**



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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**[www.iitm.ac.in](http://www.iitm.ac.in)**

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