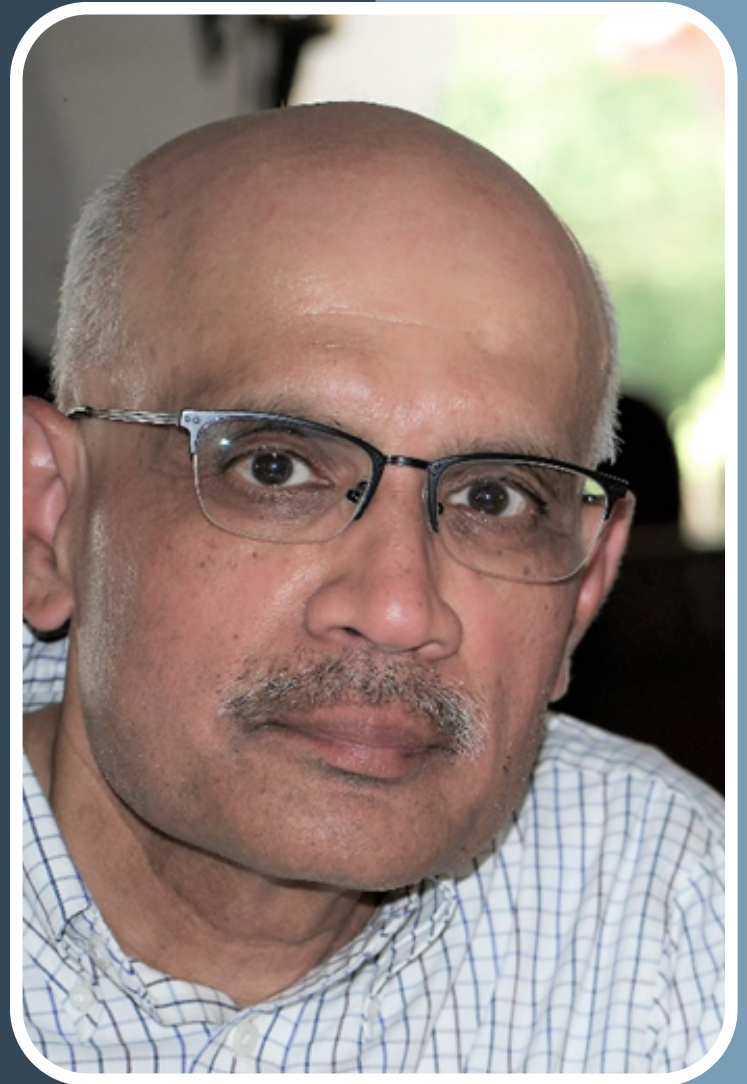




INDIAN INSTITUTE OF TECHNOLOGY MADRAS
OFFICE OF ALUMNI AND CORPORATE
RELATIONS

Celebrating the Generosity of

Dr. Amratur Anilkumar



IMPACT OF YOUR GIVING IN 2023

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 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



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!



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



Dr. Amrutur Anilkumar

[1982/BT/ME]

Dr. Amrutur V. Anilkumar is a highly esteemed person in space science, aerospace engineering, and education. As the Director of the Vanderbilt Aerospace Design Laboratory and the Mark Dalton Director of Experiential Learning in Aerospace Engineering, he demonstrates his passion for innovation and advancement in the aerospace industry. He is the founder of the Vanderbilt Aerospace Design Laboratory at Vanderbilt University. He has also published more than 50 papers in various international journals. With extensive experience as a Professor of Practice in Mechanical Engineering and Aerospace Engineering, Dr. Anilkumar has established himself as a prominent figure in academia.

Dr. Anilkumar's educational background is equally impressive, with a Ph.D. in Mechanical Engineering and Aeronautics from the prestigious California Institute of Technology. He also holds a Master's degree in Mechanical Engineering from the same institution and a Bachelor's degree in Mechanical Engineering from the Indian Institute of Technology Madras. With his comprehensive knowledge, remarkable achievements, and dedication to advancing aerospace technology and education, Dr. Anilkumar continues to inspire and shape the industry's future.

01

V RAMAMURTHI FACULTY FELLOWSHIP

02

FINANCIAL SUPPORT TO IIT MADRAS STUDENTS

03

DR. V GANESAN FACULTY FELLOWSHIP

FINANCIAL SUPPORT TO IIT MADRAS STUDENTS

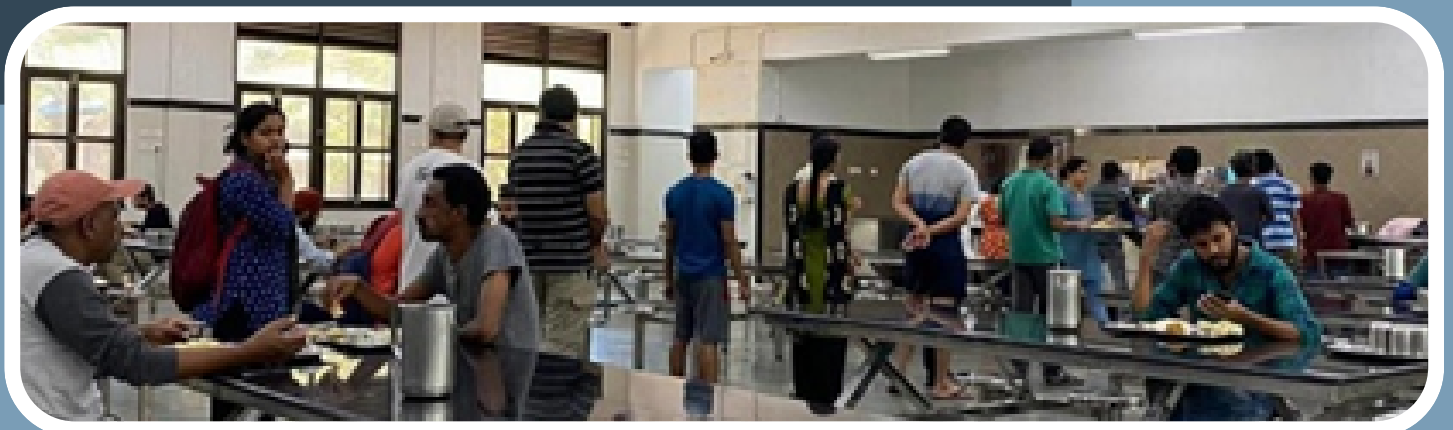
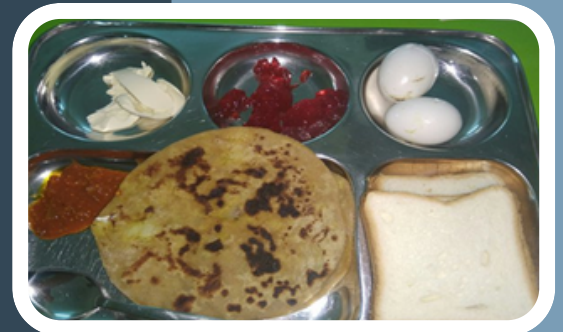
The COVID-19 pandemic was a medical calamity that affected nearly every aspect of life. The higher education sector was one of the most affected sectors. College and University campuses are places where students study and learn in close proximity to one another. Because of the coronavirus outbreak, the ecosystem's base has been drastically shattered. Universities are being compelled to cancel classes. From a face-to-face learning environment, the entire ecosystem was forced to a remote learning system.

In IITM several students were stranded and their normal life was interrupted. However, it was also noted that:

- About 200-300 students from an economically difficult background were unable to afford airfares to return home.
- Some students had to stay back as they were in the advanced stages of their research work.

Out of the donation received towards COVID-19 Relief Fund, a portion was transferred to the CCW Office of Hostel Management to undertake the below initiatives.

- Providing healthy and nutritious food to students to improve their immunity during the pandemic situation.
- Drafting and serving a common menu suiting students' requirements with the help of a culinary expert.
- Making arrangements to serve paneer, banana, and eggs as optional extras.



DR. V. GANESAN FACULTY FELLOWSHIP

The Dr. V. Ganesan Faculty Fellowship was initiated to recognize junior star faculty who have demonstrated a very strong early-career trajectory in the field of Thermo-fluid Sciences through a combination of research excellence, impactful industrial consultancy, social impact, and patentable products along with an enthusiastic mentoring of IITM undergraduates and PGs to pursue higher academic pursuits and industrial careers.

The launch of the Dr. V. Ganesan Faculty fellowship was conducted on 06-06-2023 at the Central Lecture Theatre, IIT Madras. It was launched in the presence of Dr. Amrutur Anilkumar, Mr. G Venkata Subramanian (Son of Late Dr. V. Ganesan), Mrs. Rajalakshmi (Wife of Late Dr. V. Ganesan), and Mrs. Aparna (Daughter of Late Dr. V. Ganesan).

The First Occupant of Dr. V. GANESAN FACULTY FELLOWSHIP:

The first recipient of the Dr. V Ganesan Faculty Fellowship is **Dr. Pallab Sinha Mahapatra** from the Department of Mechanical Engineering. His research interests include (not limited to) Surface engineering and wettability patterning, Open surface microfluidics, Multiphase flow, Single and multiphase heat transfer.

DR. PALLAB SINHA MAHAPATRA

He received his B.Tech and Ph.D. in Mechanical Engineering from Jadavpur University in 2007 and 2014 respectively. He has received the International Society for Energy, Environment and Sustainability Young Scientist Award 2017 and the Council of Scientific & Industrial Research Senior Research Fellowship 2012.



V RAMAMURTHI FACULTY FELLOWSHIP

Introduction:

The Faculty Fellowship program at IIT Madras is conducted to encourage faculty who have demonstrated a strong career trajectory. V Ramamurthi Faculty Fellowship honors the legendary professor Late Dr. V. Ramamurthi from the Department of Applied Mechanics. He was a pioneer in combining teaching, research, industrial consultancy, and mentoring.

About the Occupant:

Prof. C. S. Shankar Ram from the Department of Applied Mechanics has over 15 years of teaching and research experience, with over 100 papers published in national and international journals and conferences. He has guided 7 Ph.D. scholars and more than 15 masters' students. He is the member of the American Society of Mechanical Engineers, USA, member of the Institute of Electrical and Electronics Engineers and associate member of the Society of Automotive Engineers, India (till 2006). He was also the Associate Editor for the ASME Journal of Dynamic Systems, Measurement and Control from 2012–2018 and the member of the Editorial Board for the International Journal of Vehicular Technology during 2012–2017.



Prof. C. S. Shankar Ram

Occupant:

Prof. C. S. Shankar Ram
Department of Engineering Design

Academic Background:

- B.Tech in Mechanical Engineering (2000) from Motilal Nehru Regional Engineering College, University of Allahabad
- MS in Mechanical Engineering (2003) from Texas A&M University
- Ph.D. in Mechanical Engineering (2006) from Texas A&M University

Research Interests:

- Vehicle Dynamics and Control.
- Active Vehicle Safety.
- Advanced Driver Assistance Systems.
- Vehicle Fault Diagnosis and Predictive Maintenance.
- Vehicle-Traffic-Driver Interaction

Gratitude Note:

"I thank the donors and our Institute for enabling the Dr. V. Ramamurti Faculty Fellowship. Although I did not have the good fortune to interact with Prof. V. Ramamurti, I have heard about his tremendous contributions in the domain of Dynamics. In particular, I am inspired by his life-long pursuit of working with industries to solve practical problems. This fellowship has certainly provided me with the motivation to build upon what I have started in this direction at IIT Madras. Once again I thank the donors and our Institute for awarding this fellowship, and I hope to continue using this fellowship to take my research and teaching forward."

Research Interest:

His research interests are in the broad areas of Dynamics and Control with application to Automotive Systems and Transportation Systems. Since joining IIT Madras in the year 2006, he has have been working with the automotive industry through the following avenues:

1. Industry funded research projects.
2. Offering Continuing Education Programmes (CEPs) on Automotive Systems, Control and Vehicle Dynamics for the automotive industry.
3. Teaching courses on Vehicle Dynamics and Control of Automotive Systems to employees of automotive companies through the Web Enabled Programme in Automotive Technology (WEMAT), and also guide them on their projects.
4. Coordinate the Certificate Program on emobility (CPoEM) offered for Industry Professionals through the Centre for Outreach and Digital Education (CODE), IIT Madras.
5. Establishing laboratories at IIT Madras through Corporate Social Responsibility (CSR) funding).

Outcomes of the year 2022–2023:

1. Principal Investigator of 2 funded research projects.
2. Established the Centre of Excellence for Zero Emission Trucking (CoEZET) at IIT Madras with external funding.
3. Conducted 2 CEPs for Automotive Industries.
4. Graduated 3 PhD students.

**MORE INFORMATION CAN BE FOUND AT:
[HTTPS://ED.IITM.AC.IN/~SHANKARRAM/](https://ed.iitm.ac.in/~shankarram/)**

Awards and Recognition:

- **Senior Member**, Institute of Electrical and Electronics Engineers, since June 2020
- **Srimathi Marti Annapurna Gurunath Award for Excellence in Teaching**, 2018–19
- **Arthur M. Wellington Prize**, American Society of Civil Engineers, 2019
- **Young Engineer Award** given by the Indian National Academy of Engineering (INAE), 2012
- **Young Faculty Recognition Award** given by Indian Institute of Technology Madras, 2011
- **George Bush Presidential Library Foundation grant** was awarded in the College of Engineering at Texas A&M University, 2006

We are grateful to you

**Dr. Amrutur Anilkumar
&
Mrs. Anilkumar**



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.



Indian Institute of Technology Madras, Chennai – 600036
www.iitm.ac.in

For more information, please contact:
Office of Alumni and Corporate Relations
T: +91-44-2257 8390 | acr.iitm.ac.in



October 2023