



Office of Alumni and Corporate Relations
Indian Institute of Technology Madras

Celebrating the Generosity of A.M.M. ARUNACHALAM FAMILY



**IMPACT OF
YOUR GIVING
IN 2023**

Director's Message



Greetings!

IIT Madras continues to retain her top position for the ninth 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.

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!

- **Prof. Kamakoti Veezhinathan, Director, IITM**

Dean's Message



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. Ashwin Mahalingam, Dean, Alumni and Corporate Relations, IITM

This report will present a thorough assessment of the impact that your contributions have made towards the A.M.M. Arunachalam Auditorium Naming Facility.

The naming rights endowment is used for the following:

Maintenance of A.M.M. Arunachalam Auditorium

Furthering Research @ IIT Madras

A.M.M. ARUNACHALAM AUDITORIUM



The A.M.M. Arunachalam auditorium was named after the former chairman, Board of Governors, IIT Madras Shri AMM Arunachalam. IIT Madras was very close to A.M.M. Arunachalam's heart and to the successive generations of his family. To commemorate this association, his son Mr. M.A. Alagappan along with the A.M.M. Foundation, A.M.M. Arunachalam Trust and AR Lakshmi Achi Trust together has made a benevolent contribution towards naming an auditorium in the Institute after A.M.M. Arunachalam.

The auditorium is a modern facility for hosting conferences, workshops and seminars for the benefit of students, researchers and faculty. The A.M.M. auditorium plays an indispensable role within the IC&SR building, making it an integral and irreplaceable component of the facility.

Glimpses of Events hosted in the A.M.M Auditorium are follows.



**R.V. Chakrapani International Fellowship
Announcement Ceremony**

- 23rd Jan 2024



**Inauguration of Jaisri and Venkat Rangan
Wind Energy Centre**

- 17th April 2024



Leadership Lecture Series by Mr. Dileep Mangsuli on 20th Sep 2024

FURTHERING RESEARCH @ IIT MADRAS

The New Faculty Initiation Grant (endowment) is provided for the new faculty members of the institution to help them kick-start their research in the institution. It will aid in meeting the requirements of the research initiatives.

This grant is helpful to the new faculty in various ways like the purchase of equipment, travel expenses related to the research, purchase of software etc. It has also been instrumental in influencing them to start new research initiatives. Research of social importance are being carried out with this grant which is slowly impacting the society.

Below are the recipients of the grant:

NAME OF THE PROFESSOR	DEPARTMENT	RESEARCH AREA
Prof. Murali Jagannathan	Civil Engineering	Contracts & Claims Management
Prof. Umasankar Patra	Humanities & Social Sciences	Cultural Studies, English Literature
Prof. Anuj Kumar Tiwari	Mechanical Engineering	Automation for Smart Manufacturing
Prof. Raushan Singh	Mechanical Engineering	Solid Mechanics

RECIPIENTS OF THE GRANT



Prof. Murali Jagannathan

Civil Engineering

Title of the project:

Developing Claim Management Guidelines from Court Judgments - Arunachalam Murugappa (AMM) NFIG Scheme

Brief Objectives of the research

Court judgments pertaining to construction disputes offer a valuable source of information on how a dispute took shape from its initiation all the way to litigation. However, this information is often left untapped by engineers managing construction projects, often due to the complex nature of court judgments, leading to recurring contractual disputes of a similar nature. Therefore, the objective of this study is to

- * Develop simple dispute-type-specific (like Liquidated Damages, Price adjustment, etc.) guidelines from complex court cases that project managers can use to avoid disputes and dispute-forming scenarios effectively
- * Develop content for capacity building of construction professionals so that they are aware of how to react to a particular contractual scenario and defuse potential escalation into a full-blown dispute.

Highlights of the Scheme's utility towards your research

My research was kick-started because of the initial seed funding from this scheme. I set up my office space with computing systems and the necessary software to undertake the research. Additionally, the funding supported my travel to two workshops at IIT Bombay and a conference in New Delhi (Indian Lean Construction Conference, 2023). I propose to use the remaining grant amount to attend an upcoming international conference

Gratitude note to the donor

This scheme was instrumental in kick-starting my research as a new faculty at IIT Madras. It gave me the confidence and the strength to explore ideas, which, in my opinion, is very important in an early career stage. I wholeheartedly thank the donors for this support, and I am sure this will go a long way in shaping our careers



Prof. Anuj Kumar Tiwari

Mechanical Engineering

Title of the project

Cooperative flexible object transport using robot networks with actuator and network delays

Brief Objectives of the research

The main research goal of the proposed project is to develop network control algorithms for cohesion in general non-ideal networked systems with actuator and network delays. The practical implementation of the developed methods will be conducted through experiments on multi-robot test beds with actuator and sensing delays. Finally, the developed the cohesive control techniques will be employed for synchronized robot motions for manufacturing tasks such as incremental forming, and transport of flexible structural components.

Highlights of the Scheme's utility towards your research

The scheme was essential in allowing me to procure components to start the setup of multi-robot systems for implementation of control strategies and get preliminary results – which is required to generate external funding for my research.

Gratitude note to the donor

I am deeply indebted by the generous contribution provided for the New Faculty Initiation Grant scheme. Institutions like IIT Madras are increasingly becoming leaders in science and technology through these grants which allow for scientific freedom to pursue new ideas.



Prof. Raushan Singh

Mechanical Engineering

Title of the project:

Modeling Rod-like Structures at Multiscale

Brief Objectives of the research

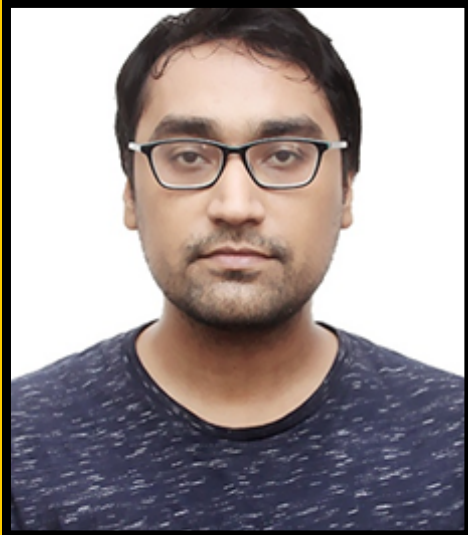
- * Modeling sequence-dependent DNA
- * Understanding the effect of surface energy and surface residual stress on the mechanics of nano-sized rods and tubes.

Highlights of the Scheme's utility towards your research

Bought a workstation that is useful for computation and daily work and this fund helped in starting the work without delay at the time of joining.

Gratitude note to the donor

I am thankful to the donor for the NFIG scheme. It really helped me to get started at IITM.



Prof. Umasankar Patra

Humanities and Social Sciences

Title of the project

Auto bibliography: Acts of Reading and Ways of Belonging

Brief Objectives of the research

- * Examining the recent developments in autobiographical writing
- * Studying the construction of subjectivity
- * Influence of Indian spiritual systems on writers like Christopher Isherwood in their autobiographical pursuit

Highlights of the Scheme's utility towards your research

The scheme has helped me to establish my space here at IIT. I have been selected at the prestigious British Association of Modernist Studies conference at University of Leeds, UK, 27-29th June, 2024 as part of the proposed research. I will use the funds for the presenting a paper there and also to access my archive at the British Library in London

Gratitude note to the donor

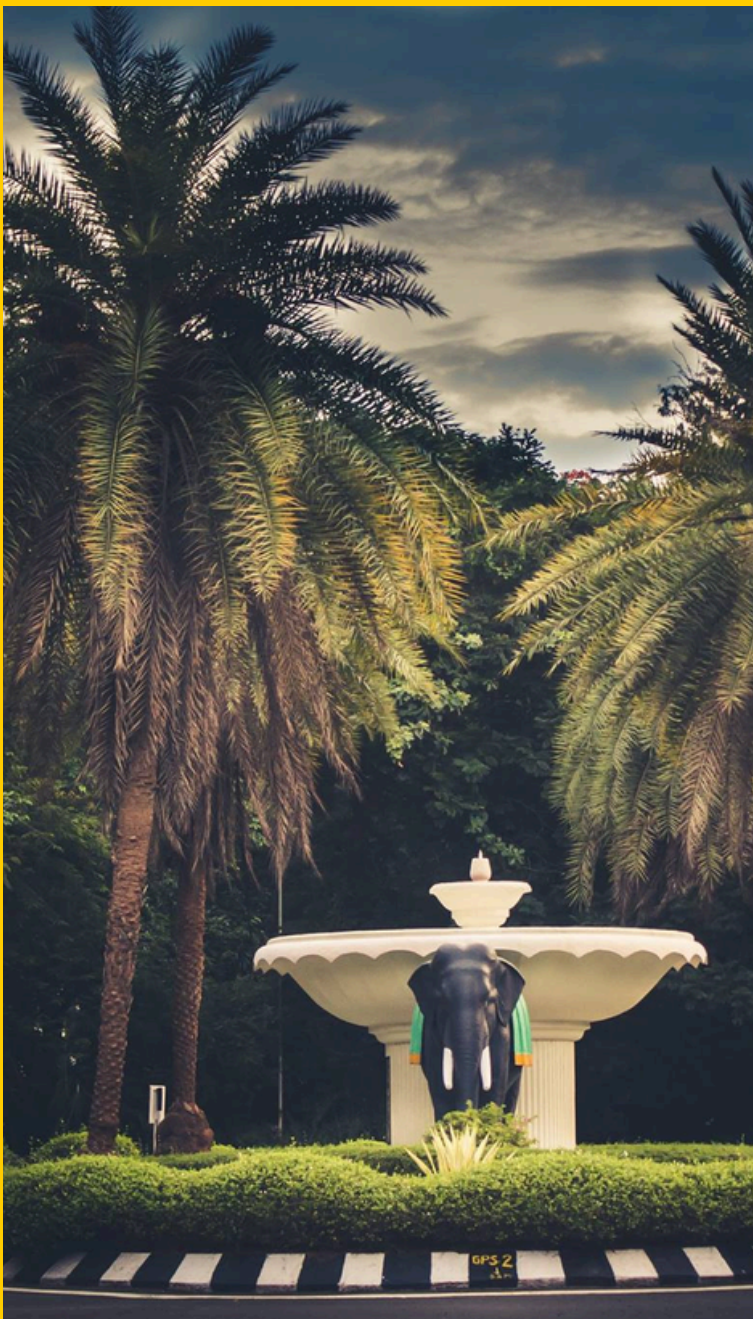
Thank you so much for your generosity. I am truly grateful. It has provided the much needed support for research in humanities

We are grateful to you ...

A.M.M. Arunachalam Family

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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