



Indian Institute of Technology Madras
Office of Alumni and Corporate Relations



CELEBRATING THE GENEROSITY
of

MR. KUMAR DORAISWAMI

Impact of your giving in

2023

JULY 2023

Message from Director

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!



Prof. KAMAKOTI VEEZHINATHAN
Director, IITM

Message from Dean



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 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 !**

Mr. Kumar Doraiswami



1983/BT/ME

**Founding Partner & Member Investment Committee
Tribeca Early-Stage Partners**

Mr. Kumar Doraiswami is an entrepreneurial executive with a strong interest in the intersection of technology, data and finance. He has over 25 years of sell and buy side financial services experience, with in-depth knowledge of venture capital, global bond, equity, commodity and foreign exchange markets.

Mr. Doraiswami is also an expert in banking, capital markets, risk mitigation, hedge fund strategies, quantitative finance and exchange structures. He is variously recognized for bringing innovative thought processes and solutions to complex, cross product risk problems.

Apart from finance, he is a fan of Indian contemporary/modern art and likes to spend most of his free time reading fiction. He is also the proud spouse of an I.I.T., Delhi alum.

Education Roadmap:



**B. Tech, Mechanical
Engineering, 1983**



**M.S., Mechanical & Aerospace
Science, 1984**



**MBA, Finance, General,
1989**

Career Journey:



Vice President,
1989 - 1992

Managing Director,
1992 - 2002



Managing Director, Member –
Executive Management Committee,
2004 - 2009

Founder & Managing Partner,
2009 – 2013



Executive Management,
2014 - 2016

Chair, Investment Committee
and Board Advisor, 2015 - 2022



Board Observer,
2014 - 2017

Founding Partner & Member
Investment Committee,
2014 - Present



Summary of your contribution:

1983 Batch Pearl reunion -
Prof. M. S. Ananth Endowment Fund

Krishna Aiyer Doraiswami Memorial
Merit Cum Means Scholarship

1983 Batch Coral Reunion - P. V. Indiresan
Faculty Externship Endowment

1983 Batch Pearl Reunion – Prof. M. S. Ananth Endowment Fund

Prof. M. S. Ananth Endowment Fund at the IIT Madras is the fund established to honor Prof. M. S. Ananth, who served as the Director of IIT Madras from 2001 to 2011. He was well-known for his contributions to science and teaching, as well as his tireless efforts to develop higher education and research in India. The alumni and well-wishers have contributed towards this endowment.

The interest accrued from this endowment is used to support the following activities:

- To support socially relevant projects.
- To support the children of staff members of self-help organizations who work on campus with their school and higher education needs.

1. To support socially relevant projects:

IIT Madras has been in the forefront of developing technologies to solve pressing problems in society. It showcases cutting-edge research on technologies for social impact.



Total no. of projects accomplished

Snippets of the project:



1) Prof. Nikhil Bugalia

Department of Civil Engineering

Project Name:

Construction and Demolition (C&D) Waste Management and the Role of the Informal Unorganized Sector in India: Case of New Delhi

Objective of the project:

Identifying early-stage demolition projects in different parts of the City and various stakeholders involved in the identified projects to understand their roles in an informal/formal C&D waste management system through interviews.

Impact on society/beneficiaries:



Results indicate significant environmental and economic benefits contributed by the informal sectors as they engage in deconstruction, salvaging several materials otherwise considered waste, and adding value to the formal recycling process through their selective demolition practices.

2) Prof. Madhu Mutyam

Department of Computer Science Engineering

Project Name:

Tracking Beehive Health Using IoT Technology

Objective of the project:

The objective of the work is to build an IoT-based tracking system to monitor the health of a beehive.



Impact on society/beneficiaries:



It helps minimize manual inspection of the beehives so that beekeepers can handle a larger number of beehives at the same time, which can improve their income level.



3) Prof. Sreeram K. Kalpathy

Department of Metallurgical and Materials Engineering

Project Name:

Farmer-friendly, point-of-use, portable heavy metal sensors with cell phone interface: A new technical aid for the agricultural sector.

Objective of the project:

Analyzing water quality and heavy metal presence in water samples collected from several temple tanks in Rameswaram, Tamil Nadu using ICP-OES facility at SAIF- IIT Madras.

Impact on society/beneficiaries:



The project is aimed at helping farmers and agricultural cooperatives to decide on soil quality, by measuring soil salinity and heavy metal presence detection, so that they can sow crops in the right location and maximize crop yields.

4) Prof. Rayala Suresh Kumar

Department of Biotechnology

Project Name:

Community Screening of “Kasimedu fisherwomen” for cervical cancer using a self-sampling kit and an indigenous innovative detection device.

Objective of the project:

This project is aimed at a community screening of cervical cancer in Kasimedu fisherwomen and the detection of an HR-HPV in these women by using an indigenous detection device (developed at IITM).



Impact on society/beneficiaries:

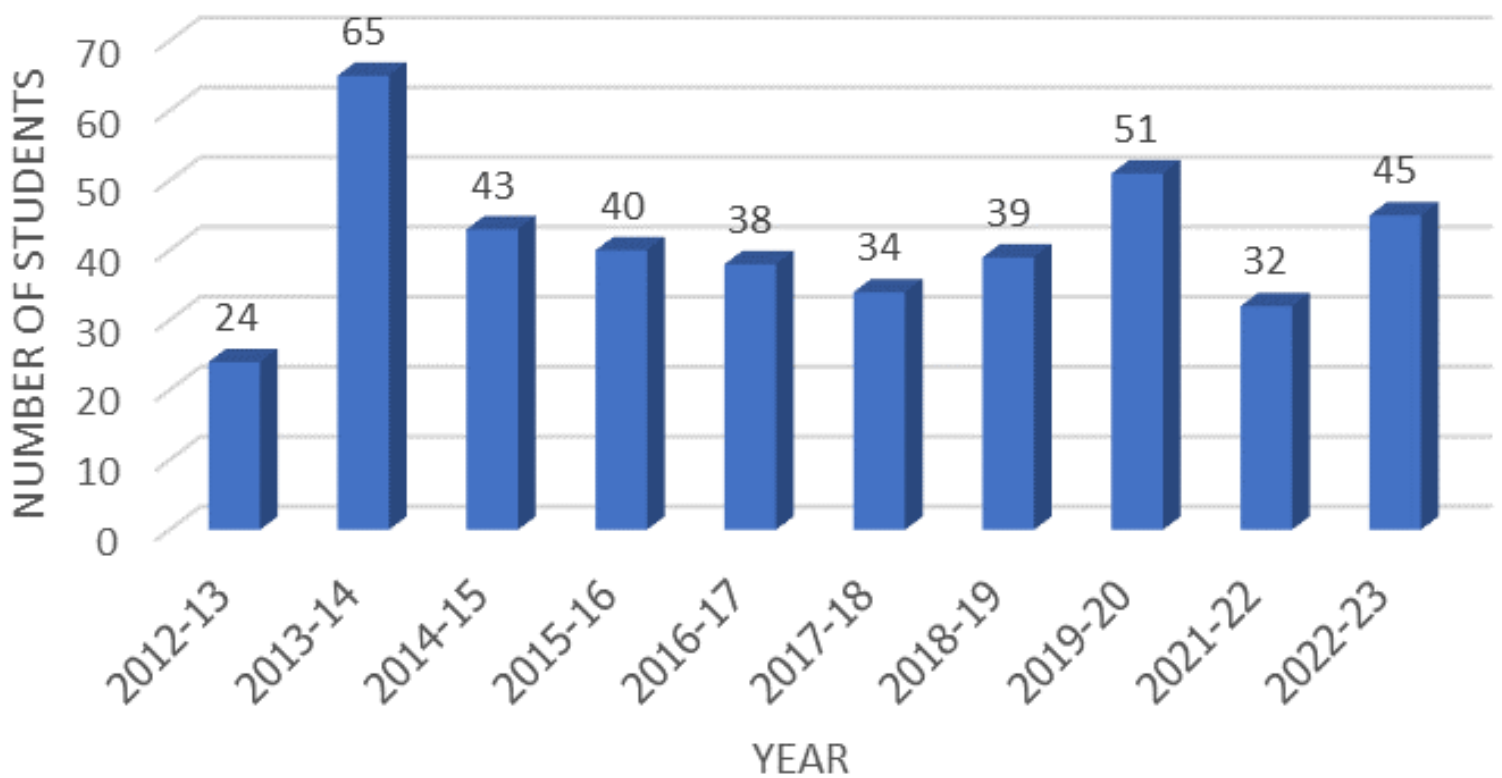
	Disease	No Disease
Test Positive	2(TP)	0(FP)
Test Negative	0(FN)	98(TN)
Total	2	98

Fabrication of point of care device for detection of HR-HPV and continuous field work – community screening by enrolling more women into the cervical cancer screen.

2. To support the children of staff members:

Over the years the funds have been disbursed among students. The below graph depicts the number of students who have reaped the benefits.

STUDENT BENEFICIARIES



In 2022, 45 children of the IIT Madras campus Self-Help group staff have been given support to their tuition fee through this scheme.

Gratitude from beneficiaries:



Respected Mam/sir,

I am S. madesh son of Kasthuri. Thank you for Sponsoring my Education fees you have been a source of constant support and inspiration for me I am grateful and humble and realize the amount of fees dedication, I will study Perfectly and well.

Thank you Mam / Sir

S. madesh.



நான் இந்திய இலவணக் கல்வித் திட்டம் (IIT) உட்கட்டணைகளைப் பணியிடுகிற வகுக்கிறேன். நான் உன்னைக் கண்டு பார்ப்பதற்கு தயவு செய்து உதவிடுகிறாயா என்று கேளும். உன்னைக் கண்டு பார்ப்பதற்கு உதவிடுகிறாயா என்று கேளும். உன்னைக் கண்டு பார்ப்பதற்கு உதவிடுகிறாயா என்று கேளும். உன்னைக் கண்டு பார்ப்பதற்கு உதவிடுகிறாயா என்று கேளும்.

இப்படிக்கு
S. Madesh

Children of staff members nourishing from the funds



Krishna Aiyer Doraiswami Memorial Merit-cum-Means Scholarship

The student below has derived benefits from the scholarship received from Mr. Kumar Doraiswami towards the cause Krishna Aiyer Doraiswami Memorial Merit-cum-Means Scholarship.



Sampathirao Jayanth

CE21B113

B. Tech, Civil engineering

Class of 2021 – 2025

CGPA Range – 6 to 7

Feedback from the student:

“Thank you, sir, for awarding me the scholarship. This scholarship is very important to me since my parents are struggling to pay the complete fees as the fees is 40% of my parents' annual income. Your fund has helped decreasing the burden and help my sister also get the quality education”

1983 Batch Coral Reunion - P. V. Indiresan Faculty Externship Endowment

The faculty externship program is awarded for the faculty who travel abroad for short durations to universities across the globe mainly for research purpose.

The following batch along with many other alumni and non-alumni well-wishers have contributed towards Faculty Externship.

1983 Batch contributed magnanimously in the memory of their Director Prof. P. V. Indiresan.

Objective:

- The intention of this program is to enable a faculty member's first visit to the world's best research institutions abroad.
- This will create a virtuous cycle by increasing collaboration, improving the quality of research.
- This in turn will improve the reputation of our faculty and institute, paving the way to attract new faculty and institutions interested in collaborating with IIT Madras in the future.

Details:

- This program will enable young faculty members of IIT Madras per year to spend between four to eight weeks abroad at a world-class institution.
- IIT Madras will define the requirements of the faculty applicant and the selection process and report on results relating to ongoing collaboration, research, publications, citations, etc.

P.V. Indiresan Faculty Externship:



Dr. P.V. Indiresan

He started his teaching career in the University of Roorkee (it is now an IIT) and shifted to IIT Delhi soon after it was formed in 1961. He was later appointed Director of IIT Madras in 1978, and left an indelible mark on that Institute. He returned to Delhi after completing his term there, and then took to serious writing. In his middle age, he learnt a lot about Techno-Economics and was appointed on several committees constituted by the government as an advisor.

During his long and illustrious career, he received several honors and awards. Prof. Indiresan was awarded the IEEE honorary membership for 1998. He was also conferred Padma Bhushan by the President of India in the year 2000. He carried these awards lightly on his shoulders, and never made a mention of them. Humility was a hallmark of his persona.

[Click here to know more](#)

Support provided to Faculty:

- This program will support expenses related to local hospitality as well as some local travel of the faculty.
- The cost of an externship per faculty will be between USD 6K to USD 8K depending upon the grant requested by the faculty.

Support provided to Faculty:

- The primary criterion for the selection process would be the merits of the applicant's research proposal.
- This Faculty Externship is currently being opened for all full-time Assistant Professors of IIT Madras.
- The steering committee will do the selection process in selecting and awarding the faculty with Faculty Externship every year, and they unanimously select a professor each year.

P.V. Indiresan Faculty Fellows



Prof. Himanshu Sinha

Dept. of Biotechnology

Prof. Himanshu Sinha (Associate Professor, Biotechnology) has been awarded "P. V. Indiresan faculty externship" for the Faculty Externship program 2019

[Click here to know more](#)



Prof. V. Srinivasa Chakravarthy

Dept. of Biotechnology

Prof. V. Srinivasa Chakravarthy (Associate Professor, Biotechnology) has been awarded "P. V. Indiresan Faculty externship" for the Faculty Externship program 2020.

[Click here to know more](#)

The process of identifying the next faculties for this faculty externship is completed. Once they complete their travel, the updates will be incorporated in the next report.

Memories down the lane...



The President of India meets IIT Madras faculty, 1983



P. V. Indiresan awards a degree to a graduand, 1983



Section of audience at the convocation, 1983



Delegates at the 20th convocation, 1983



Section of audience, 1983



WE ARE GRATEFUL TO YOU!

MR. KUMAR DORAISWAMI

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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