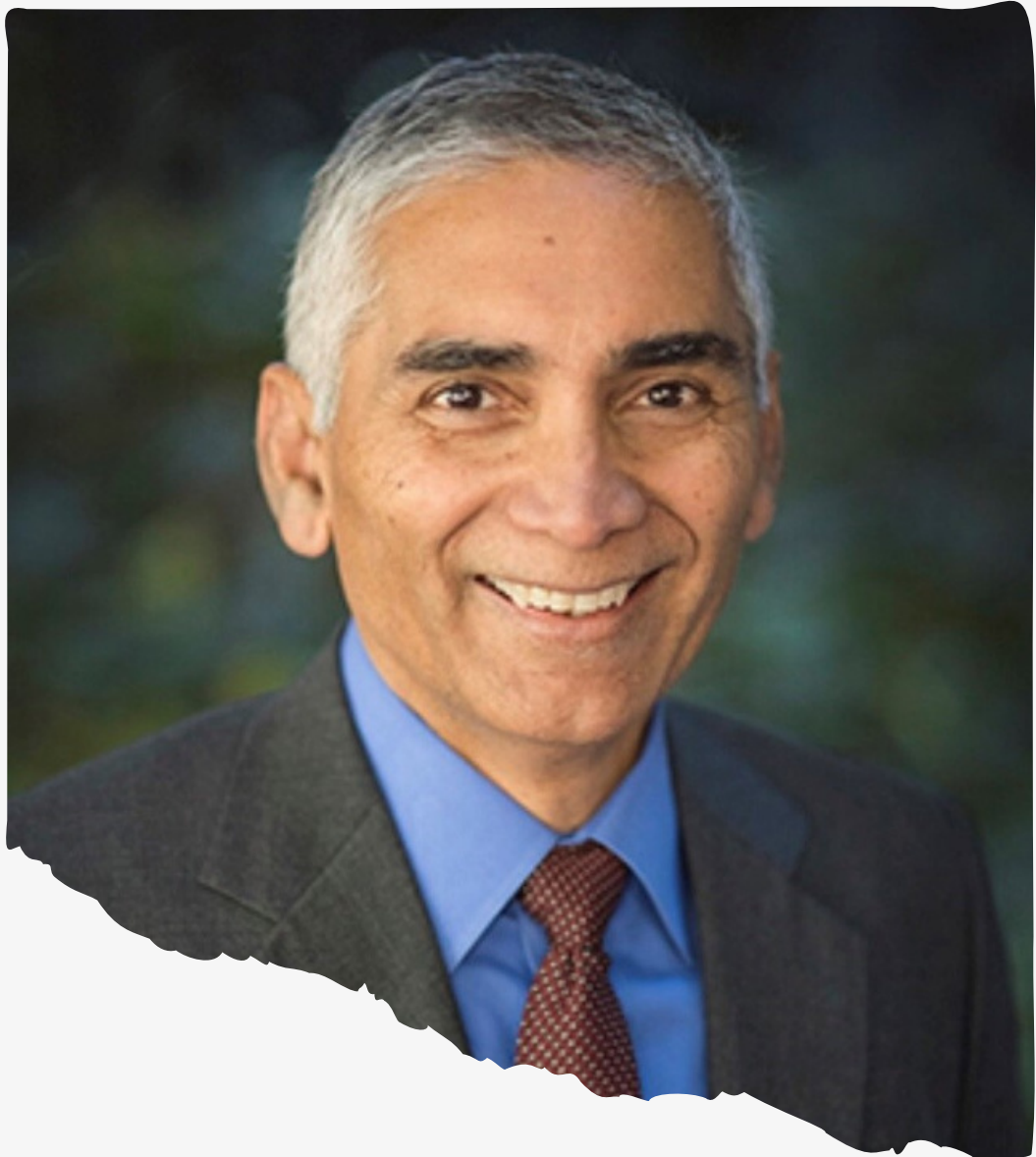


MARCH 2023

MR. KALIDAS MADHAVPEDDI  
1978/BT/CE  
**ANNUAL REPORT**



**IIT MADRAS**  
Indian Institute of Technology Madras

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# MESSAGE FROM THE DIRECTOR, IIT MADRAS

## PROF. V KAMAKOTI

IIT Madras continues to retain her top position for the seventh 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 is being 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. Your alma mater 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!



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# MESSAGE FROM THE DEAN-ACR OFFICE, IIT MADRAS

## PROF. MAHESH PANCHAGNULA

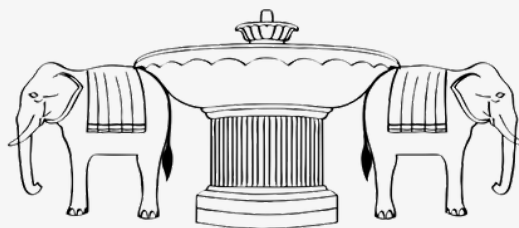
Dear Mr. Kalidas Madhavpeddi

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 by your 'Donor Relationship Manager', 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 that you left behind as a graduating student is very different from the IIT Madras of today. It is far more diverse in its set of pursuits, more green and more research-focused. And yet it remains unchanged from your time that, 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!



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## CAUSES SUPPORTED

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KALIDAS MADHAVPEDDI  
SCHOLARSHIP FUND



KEEP IT FLOWING  
GODAVARI HOSTEL



CLASS OF 1978 - RUBY REUNION  
“PRAKASH FELLOWSHIP” FACULTY EXTERNSHIP



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# TESTIMONIAL

## BENEFICIARY OF THE SCHOLARSHIP FUND 21-22



**SAYASH RAAJ**  
**CE19B113**

I thank Mr. Kalidas Madhavpeddi. I aim to follow in his footsteps, pursuing a higher education abroad wherein securing funding is the main obstacle. The scholarship has helped provide a sense of direction and assurance in the choices I have made at IIT Madras. I would like to meet and thank Mr. Kalidas Madhavpeddi in person one day. Current CGPA: 9.03

### ACHIEVEMENTS

My biggest achievement yet is winning the Intel AI Global Impact Festival, where I represented India and won the first prize of \$5000, a fully sponsored trip to the US, an Intel laptop and extra perks. Intel Announces AI Global Impact Festival Grand Prize Winners - Bloomberg

I have won the EXL Global hackathon building a routing algorithm from scratch which helps reduce carbon emissions by 60% and takes 99.999% less time than standard algorithms. When I was in 10th grade, I won the Amazon US International App Contest and my photograph along with an article was published in the national newspapers <https://www.pressreader.com/india/hindustan-times-delhi/20170321/281758449109552>

Top of my university batch, I have won multiple scholarships like the Smec Indo-Australian scholarship, where I was offered a job in my 3rd year of college itself. IIT Madras awarded me the Kalidas Madhavpeddi scholarship this April for excellence in academics, leadership, teamwork and social service.

I have won the Bronze prize for IIT Madras at the Inter IIT Tech Meet 11.0 held at IIT Kanpur in 2023.

I have been the Head of Saarang, the cultural fest of IIT Madras with 85000+ footfall, where I lead and mentored a team of 12 students working and managing a DevOps and deployment project. I have worked with startups (Caratlane, Adorithm, FrontRow, etc.) ever since I was a freshman at Indian Institute of Technology Madras and have not stopped or taken a break. I want to learn more and contribute to the field I am interested in.

My personal goal of creating a significant positive impact through my work, working on a personal project or in a professional setting, is what I aim to achieve.

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# KEEP IT FLOWING GODAVARI HOSTEL



## HOSTEL LIFE — BEYOND BOOKS AND BEDS

Hostels become a home away from home for most of the students who study at IIT Madras. The opportunity to live in these hostels creates beautiful impressions as a major part of their campus life is spent in their hostels creating memories. The amenities provided in the hostels helps them in easing their demanding schedules.

Out of the 20 hostels currently at IITM campus, 12 of them are very old and are in existence since the inception of IITM. While the structure remains strong, the fitments have worn out over the years, and that calls for immediate renovation of these hostels. As the campus strength increases by the day, it is important to provide the students with the best resources available.

The hostels have been maintained over the years with IITM funding the repairs, upkeep, and maintenance. Many re-visiting alumni have given feedback that the look & feel of the hostels need to be of much higher order quality to fit in with the Brand IITM, the # 1 ranked engineering institution in India!

Keep It Flowing is a movement to seek contributions from IITM Alumni to refurbish our hostels. The plan is to renovate these rooms to contemporary standards and provide infrastructure worthy of the #1 engineering institution in India! And that is only possible with all your help and support.

The following set of works were identified to be executed across the hostels:

- Facelifting of Corridors
- Facelifting of Restrooms
- External repair works

This report highlights the renovation work that was carried out in 2022-23 in Ganga hostel, Godavari hostel, Saraswathi Hostel and Jamuna hostel. The work that was carried out in Cauvery hostel in is also showcased.

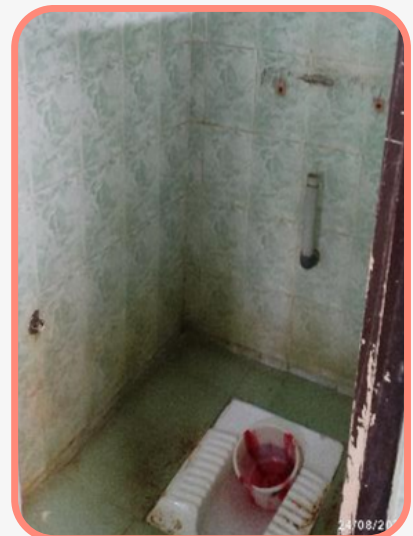
## FACELIFTING OF CORRIDORS

As part of carrying out this activity the existing concrete floor was broken using drilling equipment. The concrete flooring was replaced with granite flooring.



## FACELIFTING OF RESTROOMS

The existing setup was dismantled and the restrooms have been completely remodelled.



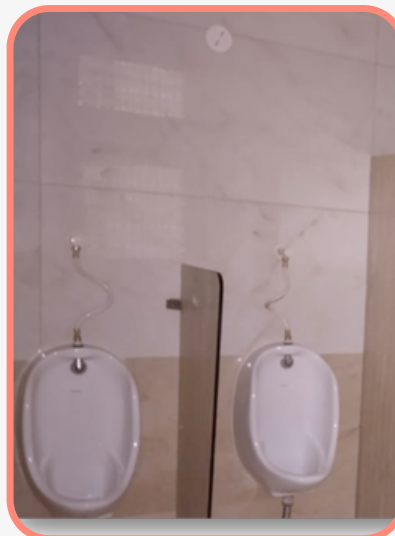


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## DISMANTLING WORK IN PROGRESS



## COMPLETED RESTROOMS



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## EXTERNAL REPAIR WORKS

Minor works such as plastering, repairing roof tiling, repairing of damaged parapet walls etc was taken up. The work was completed in the second week of December 2022.





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# CLASS OF 1978 - RUBY REUNION

## PRAKASH FELLOWSHIP FACULTY EXTERNSHIP

REUNION IS AN ACTION OF **BEING BROUGHT TOGETHER** AGAIN AS A UNIFIED WHOLE.



The Ruby reunion batch of 1978 decided to unanimously use the funds for setting up the Prakash Faculty Externship.

### OBJECTIVE OF THE EXTERNSHIP

- Evidence shows that research developed in collaboration with top global institutions have a 50% higher citation rate.
- A vital 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 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 OF THE EXTERNSHIP

- 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.



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### NAMING OF FACULTY EXTERNSHIP

Late Prof. K. Prakash belongs to the batch of 1978.

The “Prakash Fellowship” Faculty Externship was named in remembrance of Prof. K. Prakash during the Ruby reunion for the batch of 1978.

Apart from his many accomplishments as a student at IIT Madras and a faculty at the University of Kansas, USA, his brief tenure as a faculty at IIT Madras reflects his desire to give back to his alma mater.

Faculty member awarded with “Prakash Fellowship” for Faculty Externship 2020:

Prof. Anubhab Roy (Assistant Professor, Applied Mechanics) has been awarded with “Prakash Fellowship” for the Faculty Externship program 2020.

### 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.
- The interest from the endowment fund provided by the 1978 batch Ruby reunion will support some faculty members every year for their Externship in the name of “Prakash Fellowship”.



**PROF. PRAKASH KRISHNASWAMI**



**PROF. ANUBHAB ROY**

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## FEEDBACK FROM PROF. ANUBHAB ROY

"The visit to ENS Lyon was extremely academically enriching. My trip initially focused on performing collaborative research with Prof. Thierry Dauxois and his group at ENS Lyon. During my stay, I also had fruitful discussions with several other faculty members at Lyon. One new collaboration has started with the research group of Prof. Mickaël Bourgoïn and Prof. Nicolas Plihon. They are experimentalists who have recently worked on verification of some theoretical findings of mine but had never met me in person. Due to my 1.5 month-long presence at ENS, they had detailed discussions regarding my work and realised how it is highly complementary to what they do. This was entirely possible due to my visit to France. You will be pleased to know that I had to honour delivering the physics colloquium at ENS Lyon - <http://www.ens-lyon.fr/PHYSIQUE/seminars/colloquium/2022-05-23>. This institute lecture to a diverse and broad audience was a huge honour and was a highlight of my trip. Another fruitful trip outcome was ENS Lyon inviting and sponsoring a three-month trip of one of my PhD students. My PhD student is currently in Lyon, carrying out a collaborative research project with Prof. Thierry Dauxois' group members. Having a student working on the projects after my departure provides additional momentum to the work I initiated. My collaborators at ENS Lyon have already invited me during the summer of 2023 as the collaborative projects have started in full swing, and they envisage a long collaboration.

You would also be delighted to hear two outcomes of my trip that, in my opinion, is highly beneficial to IIT Madras. A world-renowned faculty member of ENS Lyon, Prof. Philippe Odier, will arrive at the campus, IIT Madras carrying out collaborative research and delivering pedagogical lectures to the IITM community. Finally, during my visit, I met the Director of International Affairs at ENS Lyon, Prof. Philippe Maurin. I highlighted to him the thriving academic environment at IITM, the rich history and the various research opportunities that can be explored between the two institutes. This has taken a life of its own! The offices of international engagement at IIT Madras and ENS Lyon have had several discussions and I am thrilled to share that we will soon have a MoU signed between the two institutes, enabling academic mobilities at different levels - internships mobilities, exchanges of academic staff to joint-supervision of PhD thesis and even joint graduate degree! This particularly pleases me as the wider IITM community, faculty and students alike, can now have long-term collaborations between the two institutes.

None of the above would have been possible without the generous support through the externship in memory of Prof. Prakash. I am sharing two pictures a colleague took during my colloquium at ENS Lyon. The experiences from the trip will have a long-lasting professional impact on me, and I am eternally grateful to the Class of 1978 for this support and encouragement"



We are in the process of identifying the next faculty for this faculty externship. Once identified and after they complete their travel, we will send you the next updated report.

# THANK YOU!

WE WOULD LIKE TO TAKE THIS OPPORTUNITY TO EXPRESS OUR HEARTFELT GRATITUDE TO YOU FOR YOUR BENEVOLENT CONTRIBUTIONS TOWARDS THE GROWTH AND DEVELOPMENT OF IIT MADRAS.



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STAY CONNECTED



END