

Celebrating Generosity



**PANDURANGAN FACULTY
FELLOW PROGRAM**



**1988 BATCH PROJECT
ALUMNI ENDOWMENT FUND**



CHENNAI FLOODS 2015



Indian Institute of Technology Madras
Office of Alumni and Corporate Relations



PROF.
KAMAKOTI VEEZHINATHAN
DIRECTOR, IITM



Message From Director

“My focus would be to retain IIT Madras at the top of the rankings, while constantly striving to enhance the academic and research excellence of the institute.”

“With our cutting edge work in research and development, we will strive to engage more collaboratively with the Government - both at the Centre and the State - to make our work translational and relevant to address the needs of the nation and the State and its people, and contribute to the overall development. I am confident that we will make a positive leap forward with renewed vigor to achieve the goals set out for us as an 'Institute of Eminence'!”

“I look forward to expanding the frontiers of our research and innovation with our highly motivated and talented faculty and students, making IIT Madras a campus of choice for global and Indian faculty, students and industry.”

Message From Dean

HEARTFELT THANKS

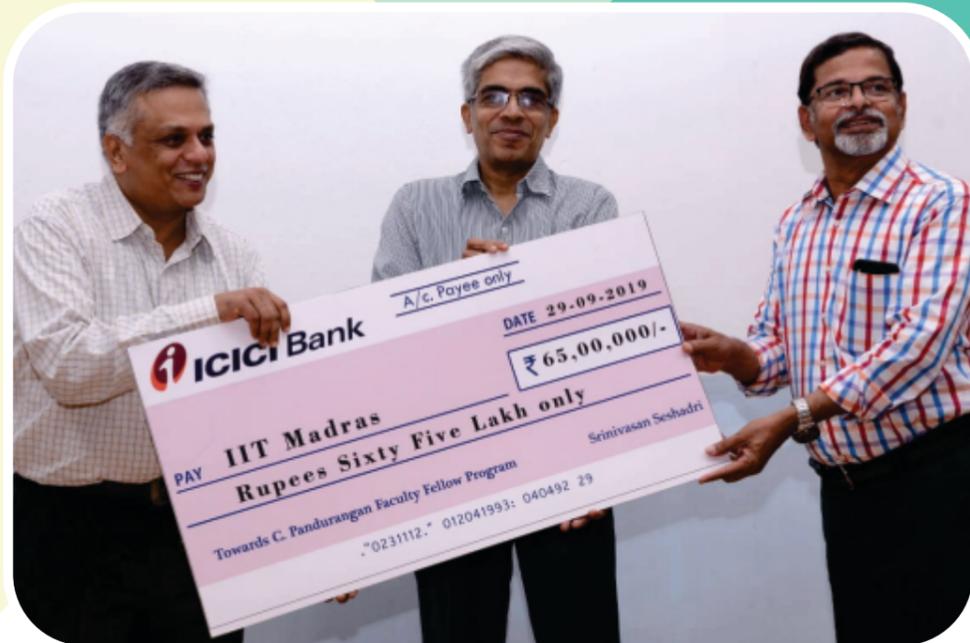
“Our aim to provide continued solutions to social problems on a global scale is realised through the sustained support of alumnus such as you. We thank you for your contribution as we present a report of its impact. We hope to receive your help and support for our future endeavours to take IIT Madras to the global stage.”



PROF.
MAHESH PANCHAGNULA
DEAN, ALUMNI &
CORPORATE RELATIONS, IITM



Pandurangan Faculty Fellow Program



The faculty fellow program sponsored by IIT Madras Alumni was initiated by the board of Governors of IIT Madras, to encourage early-career faculty members who have demonstrated outstanding achievements to motivate them to contribute to excellence at IIT Madras.

Prof. Sanjib Senapati, Department of Biotechnology, IIT Madras was selected as Pandurangan Faculty Fellow in recognition of his demonstrated track record in computing and computational methods, for applications in engineering and Sciences.

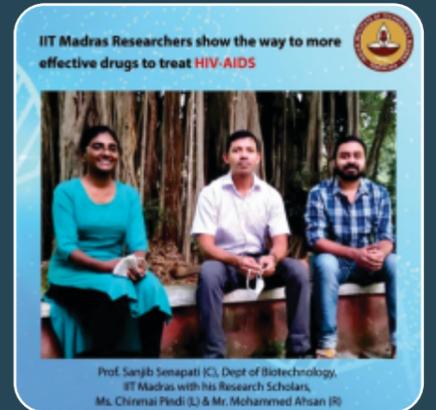
[CLICK HERE](#)

TO VIEW THE LETTER RECEIVED BY PROF. SANJIB SENAPATI FROM THE DIRECTOR AND DEAN OF ADMINISTRATION, IIT MADRAS.



[CLICK HERE](#)

TO VIEW THE BIOGRAPHICAL SKETCH OF PROF. SANJIB SENAPATI



IIT Madras Researchers are working on a revolutionary new idea that can pave the way to effective drugs for treating HIV/AIDS. Using molecular dynamics simulations, the research team have shown that introducing electrostatic interaction sites on potential drug molecules can enhance the efficacy of the antiviral drug against the HIV virus.

This research was led by Prof. Sanjib Senapati, Department of Biotechnology, IIT Madras, along with his research scholars, Mr. Mohammed Ahsan and Ms. Chinmai Pindi. The results of their ground-breaking work have recently been published in the prestigious peer-review Journal of the American Chemical Society – Biochemistry.

The pressing need for better drugs to combat drug-resistant HIV strains led researchers such as Prof. Sanjib Senapati to delve into the molecular structure of the protease to identify weak sites that can offer a handle for better inhibitor development. The Molecular Dynamics simulation studies conducted by researchers showed the presence of a strong and asymmetrical electric charge in the active site of the HIVPR. If a drug molecule can be designed with a complementary charge, so that it can bind tightly with this active site through electrostatic attraction, it can permanently deactivate/inhibit the enzyme.

Below are some of the coverage links from the press release:

Headline: Researchers at IIT Madras working on a more effective drug to treat HIV/AIDS

Date: 22nd February 2021 **Media:** Medical Darpan
<https://medicaldarpan.com/news/researchers-at-iit-madras-working-on-a-more-effective-drug-to-treat-hiv-aids/>

Date: 22nd February 2021 **Media:** Health Samachar
<https://www.healthsamachar.in/researchers-at-iit-madras-delve-more-effective-drugs-to-treat-hiv-aids/>

Date: 19th February 2021 **Media:** The Hindu
<https://www.thehindu.com/news/national/tamil-nadu/researchers-find-way-to-make-hiv-drugs-effective/article33875372.ece>



1988 Batch Pearl Reunion Fund

In Dec 2018, the Class of 1988 gathered at IIT Madras for their pearl reunion and unanimously decided to contribute the reunion fund to the following causes:

ALUMNI ENDOWMENT FUND

The purpose of the Alumni Endowment is to use the annual interest accruals to fund initiatives that will have a key transformational impact on the Institute and keep it as a world-class institution of technological advancement.

Every year, the Director issues instructions on disbursements to be made from the fund. The selection of projects, for which the money was raised, should be in line with the following: Key transformational initiatives, where the results are not proven or have uncertain outcomes, and hence do not get funded from the regular government funds.

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FOR THE DETAILED REPORT

NANO CARBON PROJECT

The nano carbon project was aimed at developing an efficient, cost-effective carbon dioxide adsorbent media using different carbon nanostructures (carbon nanotubes and graphene) and metal/metal oxide nanoparticles.

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FOR THE DETAILED REPORT



Chennai Floods 2015 Relief materials provided by IIT Madras

The 2015 South India floods resulted from heavy rainfall generated by the annual northeast monsoon in November–December 2015. They affected the Coromandel Coast region of the South Indian states of Tamil Nadu and Andhra Pradesh.

More than 500 people were killed, and over 1.8 million (18 lakh) people were displaced. With estimates of damages and losses ranging from nearly ₹200 billion (US\$3 billion) to over ₹1 trillion (US\$14 billion), the floods were the costliest to have occurred in 2015. They were among the most expensive natural disasters of the year.

IIT MADRAS RELIEF MEASURES:

IIT Madras also contributed extensively to the relief and rehabilitation of Chennai Flood Victims

CAMPUS INITIATIVES-COLLABORATION WITH DEEPAM TRUST:

IITM's Reverse Osmosis plants were used to filter 5000 litres of water which was then given to Deepam Trust who distributed the water to residents in Taramani, along with volunteers from campus. The picture below shows the filtered water distribution.

[CLICK HERE](#)



FOR THE DETAILED REPORT





Memories To Cherish Then & Now

THEN



25TH CONVOCATION AT IIT MADRAS IN THE YEAR 1988.

NOW



58TH CONVOCATION AT IIT MADRAS ON 20 NOVEMBER 2021.
THE EVENT WAS CONDUCTED IN MIXED REALITY MODE.



*Giving is Not Just About
Making A Donation
It's About
Making A Difference*

We Are Grateful To You!



Thank you for your sustained generosity to IIT Madras over the years. Contributors such as yourself enable our students and Professors to dream big and work towards a better and brighter future. We hope you are proud of your alma mater and how it has remained steadfastly committed to academic and research excellence since your time here. You and your family have been instrumental in facilitating this significant growth. Our efforts to nurture the culture of academic excellence that is the hallmark of IIT Madras - quality education, cutting-edge research, and unfettered creativity shall continue. We are privileged and humbled to have you and your family walking with us along this trail. We wish you and your family the best always in all walks of life!



Indian Institute of Technology Madras

Chennai-600036. Tamilnadu, INDIA. www.iitm.ac.in

For more information, please contact:

Office of Alumni and Corporate Relations

T: +91-44-2257 8390 | www.acr.iitm.ac.in

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