



Dear friend,

Greetings from IIT Bombay!

Hope you are healthy and safe.

As the Covid cases show a steady decline, it gives us all a new ray of hope for the coming days. Vaccinations is in full swing, and the IIT Bombay hospital continues to serve everyone. The campus continues to welcome final year masters and Ph.D. students. UG students with resource constraints are also being called in phases to ensure complete safety on the premises.

As all the other batches settled into their academic schedules, we also had to bid a bittersweet adieu to the batch of 2021. The online convocation held with virtual avatars was live streamed on YouTube for everyone to access. Prof. Geoffrey Hinton, FRS, from the University of Toronto, kindly graced us with his presence as the chief guest and accompanied us to wish our beloved students success and happiness for their future.

We also successfully kicked off the ASMP programme, which guides our intern and placement seeking students. An overwhelming number of alumni came forward to extend their guidance to these students.

IIT Bombay signed an innovative partnership agreement with its alumni organizations - IITB Alumni Association (IITBAA) and IITB Heritage Foundation (IITBHF) to fund, design, and build a new 1,000 – 1,500 room world-class Hostel Complex. The MoU was signed by representatives of IIT Bombay and its alumni organizations. We are thankful to our alumni for their zeal to contribute to their alma mater.

We are delighted to inform you that CII (Confederation of Indian Industry) has selected three of our faculty members as women achievers in STEM this year from all over India in both academia and industry -- Late Prof. Rinti Banerjee, Prof. Maryam Shojaei and Prof. Suparna Mukherjee. Congratulations to Prof. Maryam Shojaei and Prof. Suparna Mukherjee.

The Gender Cell at IIT Bombay has been working very hard to make the experiences of our students on the campus a lot more pleasant. Recently they have curated a MOOCs course on gender awareness. The Academic Senate of the Institute has now made it a zero credit, pass/no-pass compulsory self-study course for all students I am sure this course will help our students appreciate and respect the opposite gender. We hope to establish a similar training module for all our employees soon.

The generous contribution received from our alumni, corporate entities, and other friends of the Institute helps make an important difference in our endeavour to pursue global excellence. The contribution towards Institute Development, Infrastructure Development, Young Faculty Awards, Chair Professorships, Hostel Development, Student Development, etc., are examples of utilization of these funds for the betterment of the Institute. We invite you to contribute to the Institute's betterment to the best of your ability.



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News From IITB



[SINE-IIT Bombay and Indian Bank to Collaborate for Funding Start-ups](#)

The Society for Innovation and Entrepreneurship (SINE) IIT Bombay entered into a memorandum of understanding (MoU) with state-owned Indian Bank on Monday for extending credit facility to start-ups and small businesses.

[IIT-Bombay calls Afghan students to Campus amidst Crisis](#)

Due to the political crisis in Afghanistan, there is unrest across the country. IIT Bombay has accepted the applications of students living in Afghanistan to come to campus. There are a total of 11 Afghan students in IIT Bombay pursuing M. Tech. Degrees.

Tech Nuggets



[IIT Bombay Researchers Develop Fortified Food to Reduce Malnutrition](#)

A research team from the IIT Bombay has created a combination of fortified foods that can help reduce malnutrition among children. The researchers prepared packets of Micronutrient Fortified Foods (MFFs) enriched by micronutrients, vitamins, and minerals.



68.5% jump in Intellectual Property Filings at IIT Bombay

Despite the pandemic having shut down the Institute and affecting grants, IIT Bombay recorded a 68.5% jump in its applications for intellectual property in 2020-21. The total intellectual property filings, including patents and trademarks, grew from 156 last year to 263.



Researchers at IIT Bombay Devise new method for Hydrogen Production

A research team from IIT Bombay led by Prof. C. Subramaniam devised a method of hydrogen production while lowering the energy required and giving a three-fold increase in production.



IIT Bombay research on use of Infrared Technology to study Covid Severity

A study led by IIT Bombay Prof. Sanjeeva Srivastava has developed a method of using infra-red technology to rapidly test patients that are at higher risk for severe cases of COVID-19.



[IIT Bombay Researcher Proposes Hybrid Wastewater Management System](#)

Prof Pradip Kalbar, an Associate Professor at the Centre of Urban Science and Engineering (CUSE) at IIT Bombay, proposed using mechanized Sewage Treatment plants (STPs) in conjunction with natural treatment systems as a cost-effective option to prevent dumping of untreated wastewater into rivers.



[IIT Bombay Celebrates Independence Day with Fit India Movement Freedom Run 2.0](#)

IIT Bombay held its Fit India Movement Freedom Run 2.0 on its campus on 14th August as a part of its Independence Day celebration.

Institute Highlights



[IIT Bombay Dean ACR team organised World Photography Day Contest](#)

The team of IIT Bombay Dean ACR office recently held a photography contest on the occasion of World Photography Day, which was celebrated on August 19, 2020.



[SARC Team Commences its Alumni-Student Mentorships Program](#)

Alumni Student Mentorship Programme, an initiative by Student Alumni Relations Cell, commenced successfully in the month of August. The Program is a platform to foster meaningful mentoring relationships between alumni and current students.



[IIT Bombay makes Gender Awareness course must for Students](#)

For the first time in the institute's history of 63 years, a compulsory, non-credit gender awareness course, 'Gender in the workplace,' will be offered to students at all levels.



[IIT Bombay Celebrates its 59th Convocation](#)

The 59th Convocation of IIT Bombay was held on Saturday, August 7, 2021. The event was held in mixed reality mode to keep following the safety measures during the ongoing pandemic

Corporate Partnership with IIT Bombay



[SINE-IIT Bombay and Intel collaborate to form Plugin Alliance](#)

In collaboration with Society for Innovation & Entrepreneurship (SINE)-IIT Bombay, Intel, the multinational corporation and technology company, launched Plugin Alliance, a first-of-its-kind industry-technology grouping focused on accelerating Industry 4.0 transformation India.

[Merck funds Indian Institute of Technology Bombay for Covid-19 research](#)

IIT Bombay has collaborated with Merck India, a leading science and technology company. The company has given a two-year donation of INR 1.7 Crore to the Institute, to support the development of clinical tests for Covid-19 disease severity assessment.

Alumni Initiatives



[IIT Bombay Alumni Initiate Project to Fund, Design and Construct new 1000-1500 room world-class Hostel Complex](#)

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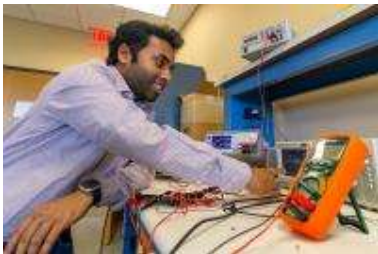
Faculty Interview



[Decoding the Phenomenal Journey of Prof. Sunita Sarawagi](#)

Follow your passion, and everything else falls in a place aptly suits Prof. Sunita Sarawagi, who has earned several laurels to her name in the field of Computer Science and Engineering. She received her B.Tech.

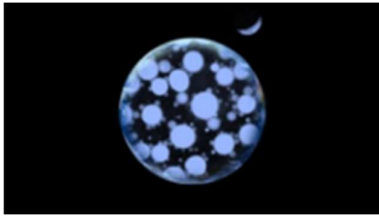
Institue's Research Initiative



[International Collaborations to foster Innovations](#)

The IIT Bombay-Ohio State Frontier Science and Engineering Research Centre jointly developed by IIT Bombay, and The Ohio State University is creating and fostering a global community of researchers and expertise in various fields.

Success Stories of IIT Bombay



People's Choice Award in Royal Microscopical Society Scientific Image competition 2021

The Royal Microscopical Society, Oxford, UK, holds image (Transmission electron and Scanning Electron Microscope) competition globally once in two years.



IIT Bombay Racing Team Brings Home the Title

IIT Bombay racing team has created history by scoring an emotional win at the International Formula Student Competition. The Institute is beaming with pride as the electric car outshined on the global platform in conjunction with the industry giants such as NRB Bearings and Mahle.

Upcoming Events

[IIT Bombay-Ohio State Frontier Centre's Fall 2021 Research Seminar](#)

Date & Day: Wednesday, 22 September 2021 & Thursday, 23 September 2021

[The Launch of Udaan Project](#)

Date & Day: Tuesday, 14 September 2021

Time: 12:00 pm to 1:00 pm

Venue: Online Platform

[A Webinar on 'CHEMICAL ENGINEERING: CHEMISTRY TO COMPUTERS'](#)

Day and Date: Wednesday, Sept 08, 2021

Time: 6:00 pm – 8:00 pm

Student Research activities at IIT Bombay

[Calibration of Low-Cost PM 2.5 Sensor](#)

Name: Vikas Kumar

Department: Climate Studies

Program: Ph.D.

Name of supervisor: Prof. Manoranjan Sahu, Department of Climate Studies

Product and Technology Development at IIT Bombay



Ayati Devices

Start-up name: Ayati Devices Pvt. Ltd.

Inventor/s name: Nishant Kathpal

Technology/Product: Portable Diabetic Foot Screening Device



[IIT Bombay Researchers develop Revolutionary Semiconductor Memory Tech](#)

A team of researchers at IIT Bombay led by Prof. Udayan Ganguly of the Department of Electrical Engineering, along with SCL, have successfully demonstrated a CMOS-180nm-based 8-bit memory technology. It is the first indigenous memory technology in India.

Obituary



[Obituary to Dr. Khopkar](#)

Dr Khopkar, fondly known as Shripad Bhau in his peer group, was a gem of a person. A man of few words, he was highly respected for his work.