



Dear friend,

Greetings from IIT Bombay!

Hope you are healthy and safe.

I am incredibly pleased to inform you that IIT Bombay is now India's national employability leader. According to Quacquarelli Symonds Graduate Employability Rankings, IIT Bombay is the best institution in India for career-focused students. The Institute ranked 3rd in Overall, Engineering and Research category of the National Institutional Ranking Framework (NIRF) of 2021. It is wonderful to see our Institute consistently rising to greater heights.

I am also delighted to share that Prof. Rohit Srivastava (BSBE) has been awarded the prestigious Shanti Swarup Bhatnagar Prize for Science and Technology 2021 in Medical Sciences. Heartiest Congratulations to Prof. Srivastava!

The Institute launched the 'Ashank Desai Centre for Policy Studies' on 21st September during a virtual event. The launch was presided by Prof. Kaushik Basu, Professor of Economics and Prof. Carl Marks, Professor of International Studies at Cornell University, Dr. Naushad Forbes, Co-Chairman, Forbes Marshall, Ms. Yamini Aiyar, President and Chief Executive, Centre for Policy Research, and Mr. Ashank Desai, Founder, Vice-Chairman & MD, Mastek Limited. Mr. Desai's generous donation to the Centre for Policy Studies at IIT Bombay has provided a much-needed boost to this nascent field.

This month, IIT Bombay also received a letter of appreciation from SPANTECH. If you all remember, thanks to the efforts and expertise of Prof. Milind Atrey, IIT Bombay came up with a quick solution on converting the existing Nitrogen plants to Oxygen plants. We are proud that the Institute

could be of some help, however small it may be, during the most needed hours of the country. We thank Prof. Atrey, for his contribution.

Back on campus, our mid-semester examinations were conducted in a hybrid mode. The students on the campus took the exam in physical classrooms following all covid-19 safety norms, while the rest took it online from their home by following complete full-view proctoring. We hope to see more students by the end-semester examinations.

September also saw a flurry of online events for the students and faculty alike. IIT Bombay celebrated Teachers' Day virtually with Prof. K. Vijay Raghavan, the Principal Scientific Advisor and a distinguished scientist, being the Chief Guest of the program. On the same day, 15 of our faculty members were conferred the Prof. S.P. Sukhatme Excellence in Teaching Award, whereas 2 of our faculty members were conferred with Dr. PK Patwardhan Award. For the first time, we also recognized class toppers of the undergraduate programs in this event.

The last couple of years saw the discontinuation of many age-old traditions of IIT Bombay in the light of Covid. In the spirit of our culture, we are proud to reinstate the Cultural General Championships this month, which has always formed an integral part of our hostel culture! The IIT Bombay hospital even conducted a comprehensive pulse polio drive this month. The campus continues to welcome final year masters, Ph.D.'s, and UG students with resource constraints in phases to ensure complete safety on the premises. 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

[IIT Bombay Student bags top prize at Abdul Kalam International Innovation Conclave](#)

Abdul Kalam International Innovation Conclave (AKIIC) 2021 hosted at Chandigarh University. AKIIC is an event that hosts innovators and inventors from all streams of education, be it Arts, Commerce, Science, Engineering, or Humanities.



[Vasco air pollution: IIT Bombay submits final draft report](#)

IIT Bombay has submitted its final draft report on the source appropriation study to pinpoint the cause of air pollution in Vasco. IIT Bombay was assigned to conduct a source appropriation study following allegations of coal pollution in the port town.



[Covid vaccine delivery: IIT Bombay, ICMR gets a nod for drone use from the Government of India](#)

The Ministry of Civil Aviation and Directorate General of Civil Aviation (DGCA) has granted conditional exemption from Drone Rules, 2021 to the Indian Council of Medical Research (ICMR) and the IIT Bombay.



[Agilent collaborates with IIT Bombay to develop COVID-19 severity screening method](#)

Agilent Technologies collaborates with researchers at IIT Bombay in India, and QIMR Berghofer, Medical Research Institute in Australia, who have developed a rapid method for differentiating COVID-19-positive patients expected to show severe symptoms from those likely to experience only mild sympt

[NMC to seek IIT Bombay's assistance for 2 flyovers](#)

The civic body of Nashik will seek help from the experts of the IIT Bombay about the construction of the two proposed flyovers at Mico Circle on Trimbak Road and near the Untwadi area. The project cost of the flyover is pegged at INR 245 Crore.



[IIT Bombay: India's best in employability rankings](#)

According to 2022 Quacquarelli Symonds (QS) Graduate Employability Rankings, IIT Bombay is the best institution in India for career-focused students. The institute moved up to the 101-110 group, from 111-120 group in 2020.



[IIT Bombay Prof. Rohit Srivastava Wins Shanti Swarup Bhatnagar Prize](#)

Prof. Rohit Srivastava from the Department of Biosciences and Bioengineering has been awarded the prestigious Shanti Swarup Bhatnagar (SSB) Prize for developing affordable healthcare devices. It is the first time an IIT Bombay Professor has won the SSB Prize for medical sciences.

Tech Nuggets



[Filters installed in smog tower, IIT Bombay team begins to study](#)

The Delhi government has finished the installation of filters in the smog tower in Connaught Place. IIT Bombay has started a study on the impact of the smog tower on the air quality.



[IIT Bombay scientists develop new technique to accurately measure soot](#)

Researchers from the IIT Bombay have developed a new data-processing technique to measure low amounts of soot accurately. This research will help designers build better combustion-based devices such as internal combustion engines in cars.

Institute Highlights



[Memorial Fund](#)

In honour of two illustrious personalities of our IIT Bombay family, Late Prof. A. K. De, and Late Shri. Manohar Parrikar, the IIT Bombay community wishes to establish two memorial chair professorships in each's name.

Corporate Partnership with IIT Bombay



IIT Bombay and NSE Foundation Collaborated to develop Six Novel Medical Devices

The IIT Bombay and NSE Foundation has recently collaborated to develop and disseminate at least six novel medical devices which have completed the first stage of field trials under the Biomedical Engineering and Technology incubation Centre (BETiC), IIT Bombay.

Alumni Initiatives



A Glimpse of Chair Professorship Donor Meetings

IIT Bombay, home to many innovations and a trendsetter, has constantly introduced new ways to communicate with donors. The Institute takes immense pride in the incredible achievements of its Alumni.



Alumni help our Students reach for the Stars

It is absolutely thrilling to capture cosmic events occurring in timescales much shorter than light years – years, days and even hours. The "Growth India" Telescope has played a crucial role in the Institute's astronomical findings.

Faculty Interview



Silent Fighter in the Climate Change War

As the world is caught up in a fight against climate change, several environmentalists and environmental engineers are working to bridge the gap in resolving numerous issues such as improving air quality, developing water and wastewater treatments, etc.

In conversation with Alumni



[Nurturing the Next Generation](#)

Our distinguished alumnus, Dr. Ajei Gopal (C' 82, B. Tech, ME, H5) President & CEO of ANSYS, Inc., a software industry veteran has an extensive management and business development experience.

Success Stories of IIT Bombay



[How Team AUV-IITB Navigated their Success to Win Robosub](#)

It is no secret that IIT Bombay students have carved out numerous successes in various competitions and bringing home awards is always a proud moment for the Institute.

Upcoming Events

[Investomania](#)

Invoestomania is a 15-day rigorous event being organised by the Finance club. The participants will have to make their own strategies and backtest them for themselves. After testing, these strategies will be applied to the real markets and based on the outcome, the winners will be announced.

[ICEE Speaker Series](#)

IIT Bombay and SINE in collaboration with the University of Toronto are organising a four-part speaker series for students and early-stage start-up founders, for the launch of the Indo Canadian Entrepreneurship Exchange (ICEE) program.

[Conversations with IIT Bombay's Amazing Women Alum](#)

As IITBHF celebrates its 25th anniversary this year, it is reaching out to all IIT Bombay alumni globally to join for a first-ever session to bring all women alumni together!

[IITBAA's 20th Anniversary Celebrations](#)

IIT Bombay Alumni Association (IITBAA) was established in 2001 and it is proud to celebrate 20 years with a virtual celebration.

Student Research activities at IIT Bombay

A Fault-Tolerant Highly Efficient Hybrid Si/Sic-Based Medium Voltage Converter System

Name: Satish Belkhode

Dept: Electrical Engineering

Program: Ph.D

Name of supervisor: Prof. Anshuman Shukla and Prof. Suryanarayana Doolla

Drought risk assessment for India: driving factors, vulnerability appraisal and sensitivity analysis

Name: Sahana V.

Department: Civil Engineering

Program: Ph.D.

Name of supervisor: Prof. Arpita Mondal

Significance

Product and Technology Development at IIT Bombay

Technological Innovations at BETIC

Medical devices are critical for healthcare. Indigenous development of novel, suitable, reliable, and affordable devices lead to social impact as well as high-value jobs.