DEAN'S MESSAGE

Dear Alumnus, Alumna

Please accept our warm greetings from IIT Bombay.

October was special to many of us as we celebrated the victory of light over darkness, good over evil, and knowledge over ignorance, by celebrating the festival of Deepawali.

I hope that you were able to celebrate the glorious festival of lights with your family and friends and rejoiced in the joy, love, and blessings brought about by this festive occasion.

I would now like to share some key events that took place last month at your alma mater.

- It was a momentous occasion for the Institute on October 19, 2022, as we welcomed the United Nations Secretary-General (UNSG) António Guterres to the campus. The UNSG presented the UN Day Public Lecture titled, 'India at 75: India UN Partnership – Strengthening South-South Cooperation.' Students, faculty members, several esteemed UN India representatives, and dignitaries from IIT Bombay attended this very important lecture.

- We remembered and celebrated the birth anniversaries of the Father of the Nation, Mahatma Gandhiji, and the former Prime Minister, Shri. Lal Bahadur Shastri, on October 02, 2022. The Institute Cultural Council organized the Gandhi Jayanti celebrations at the PC Saxena Auditorium. Dignitaries present at the occasion lit lamps and paid floral tributes to the two extraordinary, departed souls even as students did us proud with their musical performances.

- On October 15 and 16, 2022, the Institute celebrated 'Alumination 2022' - IIT Bombay's much-awaited annual student-alumni festival. It was wonderful to see the interaction between our alumni and students during the event. Alumni also mentored our students even as the latter learned some valuable lessons about life after IIT Bombay. Please look for a detailed write-up on the event in the section titled, Special Report – Alumination 2022, in the newsletter.

- IIT Bombay signed a Memorandum of Understanding (MoU) to establish the 'Dr. Rinti Banerjee Visiting Chair' with Dr. Bhagwati Prasad (husband of the late Dr. Rinti Banerjee), Rekha Koita (B.Tech., Metallurgical Engineering, 1992), and IIT Bombay Heritage Foundation, for a first-of-its-kind initiative that will bring leading women medical researchers, academicians, industrialists, practitioners, and entrepreneurs from various corners of the world to IIT Bombay. While it was heartbreaking to accept the loss of Prof. Rinti Banerjee, establishing this Chair Professorship is a fitting homage to her memory, especially as she was an eminent doctor herself. We are very grateful to Dr. Prasad, Ms. Koita, and IITBHF for establishing this Chair Professorship.

- IIT Bombay signed a Memorandum of Understanding (MoU) with our very own Prof. S.P Sukhatme, the Institute's beloved former Director and Professor Emeritus of the Department of Mechanical Engineering. The MoU will support annual scholarships for meritorious children of employees of IITB's non-academic staff. The scholarships will be named after Prof. Sukhatme to honour his philanthropic contribution. We are deeply grateful to Prof. Sukhatme who continues to give back to the Institute and remains a cherished father figure to the IIT Bombay family.

- Please join me in congratulating our distinguished alumnus, Mr. Raj Subramaniam (B.Tech, Chemical Engineering, 1987), for being elected to the prestigious Procter and Gamble's Board of Directors.

- Hearty congratulations to IIT Bombay's Autonomous Underwater Vehicle Team which participated in RoboSub 2022 with the latest edition of their vehicle Matsya 6B and won awards in three categories. The team was led by Prof. Leena Vachhani and Prof. Hemendra Arya.

- Please join me in commending the excellent work done by nine IITB professors who, over the past few months, have won awards, published papers in esteemed journals, become members of esteemed associations, appointed to editorial positions in scholarly publications, and more, and brought accolades to themselves and the Institute. Please look for a detailed list outlining the names of our esteemed professors and their accomplishments in the News section of this newsletter.

- Hearty congratulations to M. Tech students from IIT Bombay - Abhiraj Kanse, Nikhil C. Kurian, Himanshu P. Aswani, and Ph.D. student Amit Sethi (along with Zakia Khan, Peter H. Gann, and Swapnil Rane) who are the co-authors of a paper titled, 'Cautious Artificial Intelligence Improves Outcomes and Trust by Flagging Outlier Cases' which was published in the prestigious journal, JCO Clinical Cancer Informatics, An American Society of Clinical Oncology Journal. A truly outstanding achievement by our students!

Before I sign off – I would like to draw your attention to the upcoming US Road Show that the Dean ACR office and the DRF office will be undertaking in November. Dr. Sharad Kumar Saraf, Chairman BoG IITB; Prof. Subhasis Chaudhuri, Director, IITB; Mr. Ravi Gedela, CEO IITB DRF; and I will be traveling to Houston, San Francisco, SoCal, Seattle, and New York, and meet with our extended alumni family in these five cities. We would love to be able to meet with as many of you as we can when we are there. So please come by and say hello. You can find complete details of our trip under the Special Report – Upcoming US Roadshow section in the newsletter.

Once again, I want to thank you for your consistent support and generosity to your alma mater, and trust that you will continue the same in the future, as well. Your spirited involvement has contributed immensely to the Institute's advancement. Now that our lives are slowly returning to normal, I hope you will come by and visit us on campus soon.

Sincerely,

Prof. Ravindra D. Gudi, Ph.D., FNAE and FIIChE

Dean – Alumni and Corporate Relations

Institute AI & ML Chair Professor

GIVING

This Issue's Theme – Alumni-Led Student Housing

Circa 2022, IIT Bombay has over 13,000 students studying for various degrees on its lush and green campus at Powai. The Institute prides itself on providing a world-class academic experience for its students. This includes faculty members who perform cutting-edge research, and mentor and challenge their students in the classroom; globally competitive infrastructure including Centres of Excellence, state-of-the-art labs, micro-factories; leisure facilities like cafes, gyms, basketball courts; and many more.

The Institute also endeavours to provide its students with the best quality of life in their 'home away from home' as they spend their formative young adult lives on campus. To that end, IIT Bombay's sprawling campus is well known for its extensive residential facilities. Students are also lucky to be in Powai – a lush and green suburb that is far enough from the hustle and bustle of India's economic capital like Mumbai but also central enough to be close to the action happening all around the city. Living in IIT Bombay is so sought after that even students from Mumbai opt to live on campus.

Sadly, since IITB is among the oldest IITs in India, many of its residential campus hostels are old and in need of urgent refurbishments. Some legacy hostels like Hostels 4, 7 and 8 have been declared unsafe for occupation, evacuated, and targeted for demolition. Hostels 1-8 and the women's hostel were built in the 1960s and are now way past their design life of 45-50 years. Overall, there is also a net shortfall of around 3000 hostel rooms due to the increase in student strength which in turn, has resulted in hostel rooms with double and triple occupancy.

The very urgent need of the hour at IIT Bombay is to renovate, refurbish and/or reconstruct brand-new hostels on campus to keep up with the increase in the number of students. All the above has resulted in one of IIT Bombay's most ambitious and sprawling initiatives – Project Evergreen.

Project Evergreen – The Beginning

It is no exaggeration, but every time IIT Bombay has needed its alumni – they have responded spontaneously and shown up in droves. And with Project Evergreen – they have truly surpassed themselves.

Project Evergreen is the brainchild of the Institute's alumni and their commitment to building a state-of-the-art hostel complex for the current and future generations of IITB students. The name Evergreen is as much a reflection of the verdant lushness of the Powai campus, as much as it reflects the alumni's everlasting connection to their cherished alma mater.

The seeds of Project Evergreen were sown by the immense success of the refurbishment of Hostel 5 spearheaded by Mr. Dhananjay Saheba (Class of '77, H5). Mr. Saheba said that the renovation of Hostel 5 was "a project of alumni, by alumni, for future alumni (i.e., current students) of hostel 5." The fully revitalized Hostel 5 was successfully inaugurated on July 22, 2022, and boasts modern air-conditioned study rooms, additional restrooms, and freshly painted walls, among other key amenities.

Emboldened by the extraordinary success of Hostel 5's refurbishment, other alumni banded together and conceptualised a plan to refurbish, renovate, revitalise, and rebuild the entire hostel structure on campus. And they decided to lead the fundraising efforts, and design and construct the new hostels themselves.

And to that end, IIT Bombay signed an innovative partnership agreement with its alumni organizations – IITB Alumni Association (IITBAA) and IITB Heritage Foundation (IITBHF) on August 25, 2021, to build an alumni-funded, alumni-designed, and alumni-constructed hostel complex on campus. Under this partnership agreement, the alumni organizations have taken the responsibility for fundraising, design, construction, and project management for a new 1,000–1,200-room hostel complex which will serve as a benchmark for all future hostels to come. Project Evergreen is being led by alumni who are leaders in the construction industry with a larger goal of being cost-effective and ensuring high-quality construction.

Project Evergreen – Breaking New Grounds and Protecting the Institute's Storied Past

Project Evergreen aims to provide students with a comfortable and vibrant hostel space where they can connect with their classmates and peers, overcome feelings of homesickness, build long-lasting friendships and relationships for life, and grow up to become strong and independent young and highly successful working professionals.

To ensure the above, the hostel complex will include common facilities like mess/dining areas, study rooms, gyms, music rooms, and more, and create a healthy and thriving social network through multiple social spaces.

The hostel complex will also house Hostel 21, which will be a dedicated women's hostel, and therefore it will also be the first co-ed hostel complex at IIT Bombay. And to ensure the safety of its women students and put their parents' minds at ease, there will be no compromise on any aspect of a female student's safety. To that end, CCTVs will be installed at designated locations with prohibitions imposed for entry into specific spaces as per the Institute's guidelines.

The design committee has also sought the advice of a sustainability consultant and is committed to using sustainable practices throughout the complex. Its priority while designing was to preserve the natural habitat of the Institute, including the many trees on campus. Also, solar panels will be placed on the roof of the buildings, and they will feed energy back into the main power grid. All the hostel rooms will also be built to take maximum advantage of the natural wind flow.

Take a Virtual Tour of 'A Cloister in the Forest' – the new Hostel Complex to be Built at IIT Bombay under Project Evergreen

https://youtu.be/95Z1_RHMrJE

Project Evergreen – What You Can Do – DONATE GENEROUSLY

The core fundraising team spearheading Project Evergreen believes that "Every bit matters and every brick matters. Small or big, for us, every contribution adds more bricks in the wall."

The team believes firmly that this "unique initiative will strike a special chord with all our alumni for whom the time spent in the hostel, was as much a part of the association with the institute, as that spent in the classrooms, if not more!"

For Project Evergreen to meet its lofty goal of securing Rs. 150-170 Cr. (USD 20 Million), the fundraising team hopes to galvanize and seek the support of the extended alumni community.

As former inhabitants of the hostels who called their room their own home away from home, the team urges the alumni community to pay it forward and contribute to the new generation of future alumni members.

The team says, "This is the beginning of a journey, for which, we are reaching out to the entire alumni community for their help and support."

FACULTY INTERVIEW

Prof. Sujit S. Jogwar: The Journey from Industry to Academia

Prof. Sujit S Jogwar is an Associate Professor and core faculty member in the Chemical Engineering department at IIT Bombay. We are delighted to speak to him for the Dean ACR Newsletter – Knowledge Tree.

Prof. Jogwar, thank you for speaking to us today. To begin with - can you quickly take us through your academic and career trajectory?

I completed my B. Tech in Chemical Engineering in 2006 from the Institute of Chemical Technology (formerly UDCT) with a Gold Medal. Subsequently, I joined the Ph.D. program of the Department of Chemical Engineering and Materials Science at the University of Minnesota. During my Ph.D., I worked on the dynamic and control aspects of energy-integrated networks. After completing my Ph.D. in 2011, I worked as a Development Specialist in the global advanced control R&D centre of Praxair Inc. (now Linde) for 2.5 years. In 2013, I returned to India and joined the Institute of Chemical Technology as a DST INSPIRE Assistant Professor. And finally, in 2016, I joined the Chemical Engineering Department of IIT Bombay as an Assistant Professor.

What made you switch from industry to academia?

Teaching was always one of my key passions. So, academia was always going to be my final career destination. In order to get a practical experience in relevant research subjects and understand the nuances of applying fundamental research to an industrial process, I decided to work in industry after my Ph.D. In hindsight, this experience has proven to be priceless and has helped me formulate and drive research problems in my lab.

Your research is in the areas of Energy Integration, Modelling, Optimisation, and Process Control. What exactly do they mean, and can you please explain your research in layman's language?

Sustainability is one of the buzzwords of this century. It means that satisfying our existing needs today should not threaten future generations the ability to meet their needs. Within this context, two key challenges faced by us are depleting energy resources and increasing greenhouse emissions. Energy integration involves recycling energy inside the system so that external energy consumption is reduced. Thus, what you don't consume cannot deplete or produce emissions. My research addresses all the systems engineering aspects of implementing energy integration in chemical processes. Under modelling, we create a digital twin of these systems so that the analysis can be carried out via cost-efficient simulations rather than experiments. We develop novel designs for integrated systems which maximize energy recycling or minimize external energy consumption. Lastly, under the control domain, we develop efficient tools to operate these systems in practically relevant settings.

What are the implications of your research in the real world?

Energy integration is one of the key drivers of sustainability. While the benefits of numerous energy-integrated systems have been documented on paper, only a few have been implemented in practice. The challenges in operating such systems are the prime culprit. Our research, therefore, focusses on addressing these challenges through the development of automated operational strategies as well as robust system designs. Successful application of our research will facilitate increased and widespread implementation of such efficient systems and help translate the sustainability targets from paper to the field.

You head the Process Integration Research Lab (PIRL) at IIT Bombay. Can you tell us more about the lab? What were some of the challenges you faced setting up the lab?

The Process Integration Research Lab focusses on addressing the systems engineering challenges associated with integrated systems. The aim of the lab is to develop tools to enable flexible (allowing for smooth transitions), optimal (consuming minimum energy), and resilient (robust to uncertainties) operation of integrated networks. Energy integration is one of the major components of process integration. The lab has expertise in the area of process modelling and design, dynamic simulations, advanced control, and optimization. Currently, we have 6 Ph.D., 2 M Tech, and 1 Dual degree student studying/working in the lab.

Our lab works at the interface of theoretical development and practical implementation. Facilities at IITB helped with the former part through a start-up research grant and provided us with students with excellent research skills. But getting industries to come on board, collaborate with us, and test the tools developed in our lab has been a major challenge. From my personal experience of working in the industry, I know the primary cause of this industrial resistance which is 'resistance to change' in industry. They are typically resistant to testing new tools, especially those developed in academia, in fear of disruptions in their operations. But we are optimistic that we are one success story away from taking off big time.

Can you tell us some of the key highlights/accomplishments of the PIRL?

Controlling integrated networks are difficult because of the large problem size and strong interactions among variables. At PIRL, we have developed a graph-theory-based framework to systematically decompose such a large problem into smaller sub-problems that are then easier to control. This is similar to the `divide and conquer' strategy. I am delighted that this framework of ours received IIT Bombay's `Prof Krithi Ramamritham Award for Creative Research' in 2018.

Further, in India, a lot of manufacturing is done in batch mode. Traditionally, these systems have been excluded from the benefits of energy integration. At PIRL, we have developed a novel algorithm to facilitate energy integration within a batch process. Additionally, we have developed tools to reduce energy consumption in batch distillation, as well.

I'm also grateful that one of the research papers called 'Sustainability and Process Control: A Survey and Perspective' (https://www.sciencedirect.com/science/article/pii/S0959152416300683) from our lab highlighting the importance of control in the context of sustainability received the prestigious IFAC (International Federation of Automatic Control) Journal of Process Control Best Paper Award.

How has the IIT Bombay ecosystem helped you navigate your professional life and career goals and ambitions?

The IIT Bombay ecosystem has been extremely helpful in my professional growth. Apart from the financial assistance to start the lab and attend conferences, it has kept the lab ticking with an inflow of excellent research students. It has helped me connect with a rich pool of alumni who have mentored and guided me through some very difficult challenges. The IRCC portal at the Institute allowed me to formalize a key industrial collaboration that took my research from the lab to a real-world implementation by industry.

What advice would you give to the next generation of students at IIT Bombay who want to pursue academia and/or research?

The first important decision students need to make is to align their liking or interest with their research topic. There are phases in research where you will find yourself stuck with no clear path ahead. Having a passion for your topic helps you crawl out of such a situation. Academia is an ideal place for a researcher. As a teacher, we are constantly exposed to the fundamental concepts in our field. As a researcher, we have sufficient freedom, in terms of time and topic, to pursue ideas that motivate us. These two aspects synergistically improve the quality of research (as well as teaching). In my opinion, there is no greater professional satisfaction than seeing the brightly lit eyes of students when they understand a tricky concept or witness the successful demonstration of lab research on an industrial unit. To support and encourage my students I have an open-door policy in my classroom, lab as well as office. The research students work independently and are free to choose their working hours. My students are one knock/email away to discuss academic as well as non-academic issues with me.

Changing gears – can you tell us a little bit more about Prof. Jogwar outside of campus? What are some of your hobbies? How do you destress from your daily commitments?

I am a numismatist and love following sports and the statistics associated with them. My ways to destress include taking a long walk or a drive, listening to music, or solving sudoku or crossword puzzles.

Finally, what does the future hold for you, Prof. Jogwar?

Increased global competition and sustainability-driven policies of our government have created a favourable opportunity for my research. There is a strong interest in improving energy efficiency and reducing carbon footprint, which aligns well with my research goals. I'm confident that the ideas being developed at PIRL will soon see widespread implementation, resulting in the sustainable development of our country.

IIT Bombay is proud of how deeply committed Professor Jogwar is – both to his students (as a teacher and as their mentor), as well as to his research on sustainability which is extremely important and will help our country. We are extremely grateful to Prof. Jogwar and thank him for speaking with the Dean ACR Newsletter.

SPECIAL REPORT

https://youtu.be/keVHjrVDYro

IIT Bombay and SARC celebrates Alumination 2022

'Alumination 2022' – IIT Bombay's much-awaited annual student-alumni festival was held on October 15 and 16, 2022, and was attended by several high-profile alumni from across the country. The two-day gathering included a special campus tour organised for the alumni as they familiarised themselves with the Institute's infrastructural developments over the years and reminisced about the cherished times they had spent at their favourite hangout spots.

The three guest speakers at Alumination 2022 were – Vineet Rao, Founder and CEO, Dealshare, Shankar Jadhav, MD, and Chief Strategy Officer, BSE, and Mr. Nitesh Tiwari, popular Hindi film director, scriptwriter, and lyricist. All three of them shared their personal and professional journeys with the students even as they engaged in lively interactions with the Institute's young and enthusiastic minds.

Alumination 2022 was held over a two-day period and included many interesting and interactive sessions between the alumni and students of IIT Bombay. These included:

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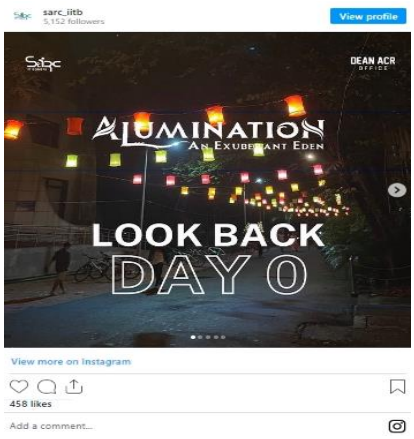

Shadow Programme

Students from IITB learned first-hand that education and learning are not just restricted to the classroom when they were taken on an unforgettable field trip to visit the Bombay Stock Exchange (BSE). Apart from getting an insight into the financial markets and the functioning of the BSE, they also met with IITB alumnus, Mr. Shankar Jadhav, Managing Director of BSE Investments.

https://www.instagram.com/sarc_iitb/?utm_source=ig_embed&ig_rid=a322e256-b9e6-46bf-a360-e9e8956f95d8

CEO Connect

The goal of the CEO Connect initiative is to bring influential alumni CEOs to campus and interact with students. The second edition of the CEO Connect was held during Alumination 2022. This year's guest, Mr. Vineet Rao (B. Tech, 2000, Computer Science and Engineering), the Founder and CEO at DealShare, shared his journey from his time as a student at IIT Bombay to now heading India's fastest-growing e-retailer that caters to the daily essentials of Indian consumers.

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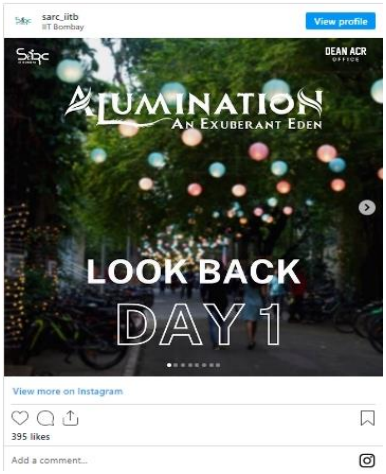
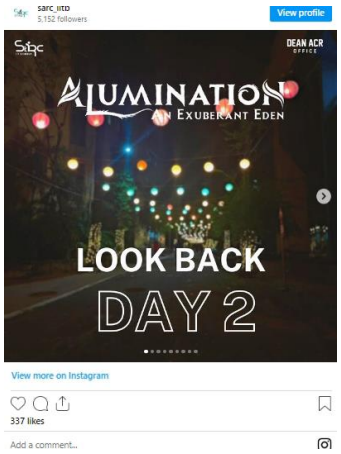


Coming Full Circle (CFC)

Mr. Shankar Jadhav, the Managing Director of BSE Investments, came full circle as he returned to his alma mater during Alumination 2022. After taking students around the Bombay Stock Exchange and giving them an insight into the financial markets, Mr. Jadhav seamlessly continued from where he left off when he gave tips and advice that were invaluable to the students.

https://www.instagram.com/sarc_iitb/?utm_source=ig_embed&ig_rid=c2b14c1b-28bd-4d4b-b8ba-31fbbee36a66



Dean Ki Adalat

An informal and fun session featured three Deans from the Institute. Students had the opportunity to address them, had their questions answered, and their doubts clarified. The three Deans who were featured in the Dean ki Adalat this year were:

- Prof. Ravindra Gudi (1985), Dean ACR
- Prof. Milind Atrey (1991), Dean R&D
- Prof. S. V. Kulkarni (2000), Dean AA

Alumination 2022 also featured other events including:

➢ Break The Ice

Alumni who are part of the Alumni Student Mentorship Program (ASMP) interacted one-on-one with students and mentored them

➢ Mock Interviews/Group Discussions

Alumni gave students valuable tips and real-world strategies on how to succeed in the upcoming placement season

➢ Workshops

Alumni imparted their wisdom and experience by conducting workshops on a wide range of domains including consulting, finance, analytics, human resources, and more

➢ Speed Mentoring

“Helping one person might not change the whole world, but it could change the world for one person.” – This motivated Alumination 2022 who organized personal counselling sessions called ‘Speed Mentoring’ where experienced alumni provided mental health perspectives to students

➢ Start-Up Talks

Alumni who set up their own Start-up companies returned to their alma mater and shared their ‘fundae’ with students on their own start-up journeys, the ups and downs they faced while setting up their companies, and the knowledge they gained from it

Alumni also participated in the sports day event where they made use of the world-class facilities available on campus and engaged in healthy competition. Afterwards, they witnessed the ‘Tech and RND Expo,’ an event showcasing IIT Bombay’s latest technical projects as well as path-breaking research being pursued.

Concluding Event - Beyond the Horizon (BTH)

Alumination 2022 concluded with the event, Beyond the Horizon (BTH). This year’s BTH featured Mr. Nitesh Tiwari (1996), an extraordinary alumnus, who went beyond the expected and created an out-of-the-box creative path for himself. Mr. Tiwari is a National and Filmfare award-winning writer-cum-film director, who has made films box-office smash hits like Chhichore and Dangal. Students thoroughly enjoyed their interaction with the director, and it was a wonderful way to say goodbye to Alumination 2022.

https://youtu.be/piDpt4SAgi4

The two-day extravaganza was a wonderful way to bridge the gap between alumni and the students of IIT Bombay. Over the many events that were held as part of Alumination 2022, alumni who returned to their beloved alma mater were blown away by the enthusiasm, interest, drive, and ambition of the current group of students at the Institute. As for the students – interacting and connecting with alumni and getting advice on a

wide range of issues including career concerns, placement issues, mental health perspectives, and out-of-the-box thinking proved to be invaluable.

Upcoming US Roadshow and Annual Alumni Reunion

The month of November brings with it one of the Institute's most important events of the year – IIT Bombay's Annual Roadshow in the US. It is a chance for the Institute and its alumni to reconnect with each other, reminisce and revel in the company of old friends, learn about the exciting new developments at the Institute, get updates on IIT Bombay's 2030 vision from the director, listen to interesting speakers, enjoy musical performances, and experience casual fun get-togethers with good food and good friends.

This year, the team from the Institute includes Dr. Sharad Kumar Saraf, Chairman, Board of Governors (BoG); Prof. Subhasis Chaudhuri, Director, IIT Bombay; Prof. Ravi Gudi, Dean ACR; and Mr. Ravishankar Gedela, CEO DRF, who will travel to five cities in the US – Houston, San Francisco Bay Area, Southern California, Seattle, and New York during their 10-day visit to the country in November 2022.

The US Roadshow-cum-Alumni Reunion is organised by the Institute along with IITB Heritage Foundation.

Following are the details of the alumni reunion meets in each city.

Houston Chapter Alumni Event

When: Saturday, Nov 12, 2022

Time: 11:30 am - 03:30 pm CST

Venue: Hampton Inn & Suites, Missouri City, TX

REGISTER NOW

Houston is the first stop for the delegation from IIT Bombay which will meet with alumni from Houston, Dallas, and Austin. During an interactive luncheon session, alumni will hear about the exciting developments on campus, IITB's vision and plan for the next decade, and listen to a musical performance, even as they enjoy a delicious meal together. For those traveling from Austin and Dallas, arrangements have been made to book discounted hotel rooms at the venue.

https://www.iitbombay.org/e/houston-chapter-alumni-event-with-iitb-delegation/

For more information on the event, please contact: Deepak Iyer: deepak_i@iitbombay.org

President – IIT Bombay HF – Greater Houston Chapter

SF Bay Area Chapter Alumni Event

When: Sunday, Nov 13, 2022

Time: 1:30 pm - 05:00 pm PST

Venue: Mitchell Park Community Centre - El Palo Alto Room, 3700 Middlefield Rd, Palo Alto, CA 94303

REGISTER NOW

The SF Bay Area chapter will meet the delegation from IIT Bombay for an afternoon chai-snacks mixer and interact and network with fellow Bay Area Alumni. Prof. Chaudhuri will share IITB's vision for 2030 and is looking forward to hearing from alumni based in the area.

Register here for the event: https://www.iitbombay.org/e/sf-bay-area-chapter-alumni-event-with-iitb-delegation/

For more information on the event, please contact: IITBHF SF Bay Area Chapter

Southern California (SoCal) Chapter Alumni Meet

When: Tuesday, Nov 15, 2022

Time: 4:30 pm - 09:00 pm PST

Venue: The evening will be divided into the following core activities:

Meet-and-Greet with IITB Team: 4.30 pm -7.00 pm PST, at Qualcomm building Q auditorium, 6455 Lusk Blvd, San Diego, CA 92121

Banquet dinner with IITB Team: 7.30 pm -9.00 pm PST, Royal India Del Mar, 3860 Valley Centre Dr., San Diego CA 92130

REGISTER NOW

The delegation from IIT Bombay will meet with alumni settled in the SoCal area for a meet-and-greet and a banquet dinner. During the event, the IITB team will share IITB's 2030 vision and mission, which will be followed by a Q&A session. In addition to meeting and mingling with local alumni, the alumni meet will also feature talks by local technologists and visionaries.

Register here for the event: https://www.iitbombay.org/e/socal-chapter-alumni-meet-november-2022

For more information on the event, please contact: IITBHF, Southern California Chapter Executive Committee

Amit Shiwalkar: ashiwalkar@gmail.com

Sameer Vora: sameer_vora@yahoo.com

Seattle Chapter Alumni Reunion

When: Thursday, Nov 17, 2022

Time: 05:30 pm - 08:30 pm PST

Venue: Global Innovation Exchange, 12280 NE District Wy, Bellevue, WA 98005, USA, the University of Washington in Bellevue's Spring District

REGISTER NOW

The thematic focus of the Seattle Chapter Alumni Reunion will be 'Innovating for a Sustainable Future.'

The delegation from IIT Bombay will participate and engage in powerful conversations with a panel of experts in sustainable engineering which includes Prof. Aseem Prakash, Professor of Political Science, Walker Family Professor for the Arts and Sciences, University of Washington; and Dr. Manan Pathak, CEO, and Co-Founder of BattGenie.

Register here for the event: https://www.iitbombay.org/e/seattle-chapter-alumni-event-with-iitb-delegation/

For more information on the event, please contact: Rajesh Soy: rajeshsoy@hotmail.com, Phone: +1-425-765-9296

Greater New York (GNY) Chapter Annual Alumni Reunion

When: Saturday, Nov 19, 2022

Time: 11:00 am - 04:00 pm EST

Venue: Hyatt Regency Jersey City on the Hudson 2 Exchange Place Jersey City, NJ 07302

REGISTER NOW

The GNY Alumni Reunion event will include an interactive luncheon and feature talks by Prof. Subhasis Chaudhuri and Dr. Sharad Saraf. They will be joined by Mr. Ruyintan (Ron) Mehta, Co-Founder, Maker Bhavan Foundation and President, IIT Gandhinagar Foundation. Alumni will also get an update on IIT Bombay's vision and plans from the Director. Alumni wishing to advertise their businesses and/or non-profits in the GNY Point magazine are encouraged to network and interact with other attendees during this event.

Register here for the event: https://www.eventbrite.com/e/gny-chapter-annual-alumni-reunion-2022-tickets-431313047937

For more information on the event, please contact: Raj Singh – IITB-GNY Chapter President

Brief Bios of the Speakers at the GNY Alumni Meet

Dr. Sharad Saraf: Chairperson of the Board of Governors at IIT Bombay and IIT Jammu

Founder of Technocraft Industries (India) Ltd., Dr. Sharad Saraf is a highly successful entrepreneur and businessperson who has headed six different companies over his illustrious career. He is Chairman of the NSEL Investors Forum, President of The Confederation of Exporting Units, and President of the Indo-Romanian Chamber of Commerce & Industry. Dr. Saraf is also Chairman of Shanti Seva Nidhi Trust and is on the board of 11 other companies. He has authored the book "Engineering Karma." Dr. Sharad Saraf is also the first alumnus of the Institute who was appointed the Chairperson of the Board of Governors at IIT Bombay

Prof. Subhasis Chaudhuri: Director, IIT Bombay

Prof. Subhasis Chaudhuri is currently the Director of IIT Bombay. Before becoming the director, he was the K.N. Bajaj Chair Professor in the Department of Electrical Engineering. He did his B.Tech. in Electronics & Communication Engineering from IIT Kharagpur in 1985, M.Sc. in Electrical Engineering from the University of Calgary in 1987, and Ph.D. in Electrical Engineering in 1990 from the University of California, San Diego. He joined IIT Bombay as an Assistant Professor in the Department of Electrical Engineering in November 1990 and has been there ever since.

Ruyintan (Ron) Mehta: Co-Founder Maker Bhavan Foundation; Ex-President IITBHF; President IIT Gandhinagar Foundation

Ruyintan (Ron) Mehta has been a successful entrepreneur who sold his last company in 2013 and has since plunged into social entrepreneurship and philanthropy. He was instrumental in bringing the renowned Cooper Union program – Invention Factory – to India through the Maker Bhavan Foundation. The invention Factory Summer program is now offered at IIT Gandhinagar and IIT Bombay, even as plans are underway to launch the third version at IIT Jammu in 2023.

For the past 4 years, Mr. Mehta has served as president of the Wheels India Niswarth Foundation which supports key innovations in water and sanitation, and maternal and children's health issues in India. Additionally, he is an advisory board member and a key donor to other non-profit organizations such as Dakshana Foundation, and The Foundation for Excellence.

The US Annual Alumni Reunion Roadshow is one of the key events on IIT Bombay's calendar. It is a chance for alumni and the Institute to engage, interact and reconnect with one another.

IIT Bombay is now an 'Institute of Eminence' and a significant reason for the same is the sustained support from its alumni community. Their generosity over the years has ensured that IIT Bombay is one of the world's best engineering and technology institutes. As the Institute moves forward on its journey of excellence, it is confident that it can fulfil its vision with the alumni community's continued, proactive, and spirited participation.

The delegation from IIT Bombay is eager and hopeful to meet with a significant number of its alumni settled in the US in November!

DONOR INSTITUTED CHAIR PROFESSORSHIPS

Prof. Mahesh S. Tirumkudulu appointed the Larsen and Toubro Chair Professor

About the Donor:

Larsen and Toubro was one of the first few organisations to institute a Chair Professorship at IIT Bombay in 1983. The Larsen and Toubro Chair Professorship was established to promote academic and research pursuits in engineering, including niche areas like nuclear engineering, and more.

About the Appointee:

Prof. Mahesh S. Tirumkudulu, Professor, Department of Chemical Engineering.

Professor Mahesh S. Tirumkudulu is currently the Larsen and Toubro Chair Professor at IIT Bombay.

Prof. Tirumkudulu's stellar academic background includes receiving his B. Tech from IIT Madras (1995), followed by his Ph.D. from the City University of New York, NY (2001).

Prof. Tirumkudulu's research interests include Fluid Mechanics, Colloids, Interface Science, and Biophysics.

Over the years, Prof. Tirumkudulu has received multiple awards and accolades. He was elected as a Visiting Fellow of the School of Engineering, the University of Melbourne, in 2016, and as a Visiting Fellow Commoner of Trinity College,

Cambridge University, in 2015. He won the prestigious Research Publication Award of IIT Bombay in 2015. He was the key speaker at the Professor C. V. Seshadri Memorial Distinguished Lecture Series held at IIT Kanpur in 2013. In 2012, he received the Swaranajayanti Fellowship from the Department of Science & Technology, India. He was the University Grants Commission Visiting Fellow in 2011 and a member of the National Academy of Sciences of India in 2010. In 2008, he won the NASI-Young Scientist Platinum Jubilee Awards and received the Indira Manudhane Applied Research Project (Consultancy) Awards, IIT Bombay, in 2007. He was the recipient of the IRCC Young Investigator award at IIT Bombay in 2007 and became an Associate of the Indian Academy of Sciences in 2005.

Professor Nishant Sharma appointed the Ramakrishna Bajaj Chair Professor

About the Donor:

The Ramakrishna Bajaj Chair Professorship is one of the four chair professorships established by the charitable trusts promoted by the Bajaj Group in 2009. It was specifically instituted to initiate new academic programmes, elevate R&D programmes, and improve industry interactions in the Industrial Design Centre (IDC) at IIT Bombay.

About the Appointee:

Prof. Nishant Sharma is currently the Ramakrishna Bajaj Chair Professor at IIT Bombay.

Prof. Sharma's stellar academic background includes receiving his B.E. (Product Engineering) from the Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat. He received his M. Des. (Product Design) from IDDC, IIT Delhi, and his Ph.D. from IIT Guwahati.

Prof. Sharma's areas of study and research include Automotive Design, Vehicle Design Process, Product Form and Aesthetics, and Participatory Innovation.

Prof. Sharma worked in the corporate world before making the move to academia.

He was an Automotive Designer with Bajaj Auto Ltd, Pune, between 2001-03. He then moved on to Hero Global Design, New Delhi, and worked there as an Automotive Designer between 2003-04. Between 2004-2005, he worked with General Motors Tech Centre India, Bangalore, as a Design Engineer (Car Styling).

Before coming to IIT Bombay in June 2009, Prof. Sharma taught at IIT Guwahati and was also a Senior Faculty member at the National Institute of Design (NID) Ahmedabad.

Over the years, Prof. Sharma has received multiple awards and accolades including the S.P. Sukhatme Excellence in Teaching Award, from IIT Bombay, in 2020. He was also the recipient of the Best Departmental Teacher Award in 2018.

STUDENT SUCCESS STORIES

IIT Bombay's student, Vrunda Dave, was runner-up in the very prestigious Beth Outstanding Dissertation Prize (BODP) 2022 award

The E. W. Beth Dissertation Prize, named in honour of the Dutch mathematician Evert Willem Beth, is instituted by the Association for Logic, Language, and Information (FoLLI) each year, and recognizes outstanding Ph.D. theses in the fields of Logic, Language, and Information. Dissertations are evaluated based on their technical depth, strength, and originality. The shortlisted theses will be published by FoLLI. This is the first time a thesis from India has made it to the shortlist of the Beth Prize. The committee was particularly impressed by the breadth, technical depth, and novelty of the results in Vrunda's thesis.

Earlier this year, Vrunda's thesis won an honourable mention at the ACM India Doctoral Dissertation Award 2021.

Here we learn more about Vrunda's journey into academic excellence.

Hi Vrunda, a big round of applause to you for winning this prestigious honour. Before I ask you more about the award itself, can you tell us about your academic background first?

Thank you. I did my schooling in my hometown, Nadiad, Gujarat. I graduated with a B. Tech in Computer Science and Engineering from Dharmsinh Desai University, Nadiad. I got placed in TCS during my undergrad and did my last semester training at TCS Research, Pune. I wanted to pursue the same project after graduation, so I joined TCS research as an employee after my convocation. During that time, some of my colleagues were visiting IIT Bombay for a Ph.D. entrance exam and they encouraged me to apply for the same (with the aim of visiting the campus). But that visit soon transformed into something much more significant as IITB became my second home when I joined the Ph.D. in Computer Science here.

Tell us about the E. W. Beth Dissertation Prize. How did you hear about it and what was the whole process like?

I heard about this award from my supervisor, Prof S. Krishna. Each year, FoLLI releases the call for nominations for this prize. A doctoral student cannot nominate him/herself. My nomination was sent by my guide. Along with the thesis, I had to send a ten-page abstract, a letter of nomination from the supervisor, and two recommendation letters from experts in the thesis area.

How would you explain your research to a layman?

My research is in Formal Methods which forms the very basis for Formal Verification. Formal verification is a mathematical method of checking if a design or implementation like a software program or a computer processor chip works as intended. It does so by algorithmically checking the equality of models of the design/implementation (e.g., a logic circuit can be modelled by a state transition system) and its specification (usually described in some mathematical logic). It is a very popular and active research topic and hardware companies like Intel, AMD, Nvidia, Apple, etc. utilise formal verification for their products, replacing the age-

old method of testing. It is also getting traction in the software industry with companies like Amazon and Microsoft leading the way.

Can you explain more?

Sure. So, at the foundation of this area is the correspondence between mathematical models of computations and logical specifications. One important mathematical model is the string transducer which transforms input strings into output strings using state transitions and other rules. Any program can be viewed as a function transforming input to output, and for a sequential programme, the inputs and outputs can be modelled as strings. Thus, a transducer is a very powerful and general model.

In my thesis, I have tackled several problems involving the mathematical model of string transducers.

Our first contribution is in establishing the right models for the transformation of infinite strings as captured by first-order logic. Infinite strings are a natural model for input/output for real-time systems where we ideally do not want to consider termination. For example, an operating system conceptually could be running forever, or a pacemaker should keep operating without stopping. This work involved proving the equivalence of our proposed models and logical specifications of string transformations.

Next, we provided an equivalent formalism for transformations in terms of expressions. People using computers very likely have used regular expressions for pattern matching when searching for files or websites, etc. Our work finds similar expressions for functions over strings.

Theoretical CS research is often about finding well-behaved and interesting classes of objects. As part of our third contribution, we investigated string transformation functions that are continuous (like calculus) and established relevant properties and algorithms for the same.

Finally, we looked at solvers for string constraints. This is a very recent area of research gaining in popularity due to the success of SAT and SMT solvers. Here we have equations representing constraints and the variables can only take strings as values --- that is, the solutions to the constraints are strings. We extended the class of equations for which solutions can be derived algorithmically.

How does your research help the world around us? What role does your research play in helping societal needs?

Essentially the world is moving towards formal verification, and it is in its infancy. My belief is it will soon become an integral part of software development (it already is for hardware). My research hopefully strengthens the basis for this to happen.

How did IIT Bombay's ecosystem help you on your academic path toward excellence?

IITB helped me in every possible way. This success is as much mine as it is my guide's - Prof. S Krishna. It is important to have a good mentor in your journey, and I was fortunate enough to have Prof. Krishna who was not just a constant inspiration, support, and guide to me, but also a cheerful friend. I grew as a researcher due to my discussions with all my collaborators which were possible because of my supervisor's active research profile, and the challenging environment provided by IIT via its connections with other research institutes across India and the world. During the initial years of my Ph.D., I could explore various areas of computer science through courses, and this helped me tremendously in developing the mathematical maturity required for research. Finally, I would like to add that the natural surroundings, the opportunities for physical and mental improvement at IIT Bombay, and the company of like-minded friends and colleagues played a very important role in my success as well.

Excellent! That is wonderful to hear. So, finally…what does the future hold for you, Vrunda?

As I mentioned above, formal verification is gaining popularity in academia as well as industry. I plan to keep contributing to this domain as I am passionate about the theory as well as its possible applications. There is some gap between industry application and academic research in this area. So, there is a lot of scope to bridge this gap and create bug-free hardware/software using a formal verification system.

That was truly an enlightening and compelling conversation with Vrunda. She is already doing some extraordinary research in the field of formal verification, and we are sure there are many more accolades coming her way in the future. Congratulations to Vrunda on her award and we wish her the very best for the future!

NEWS FROM IIT BOMBAY

IIT Bombay Alumnus, Mr. Raj Subramaniam, Elected to the P&G Board of Directors

IIT Bombay's distinguished alumnus, Mr. Raj Subramaniam (B.Tech, Chemical Engineering, 1987), and the current CEO of FedEx has now been elected to the prestigious Procter and Gamble's Board of Directors.

Mr. Subramaniam, a native of Trivandrum, Kerala, did his schooling at Loyola School in Thiruvananthapuram. After completing his B- Tech from IIT Bombay, he moved to the US and got his MS in Chemical Engineering from Syracuse University in 1989. He later pursued his MBA in Marketing/Finance from the University of Texas at Austin.

IIT Bombay to establish the Dr. Rinti Banerjee Visiting Chair Professorship

IIT Bombay signed a Memorandum of Understanding (MoU) to establish the 'Dr. Rinti Banerjee Visiting Chair' on Tuesday, October 11, 2022, with Dr. Bhagwati Prasad (husband of the late Dr. Rinti Banerjee; also IITB alumnus, Ph.D., Biomedical Engineering, 2000); Rekha Koita, (Distinguished Service Awardee, B.Tech., Metallurgical Engineering, 1992, IITB, Co-Founder, Koita Foundation); and IIT Bombay Heritage Foundation, for a first-of-its-kind initiative that will bring leading women medical researchers, academicians, industrialists, practitioners, and entrepreneurs from various corners of the world to IIT Bombay.

The MoU will establish a Visiting Chair Professorship, called the 'Dr. Rinti Banerjee Visiting Chair' in memory of the late Professor Dr. Rinti Banerjee, who was a doctor herself. She was an eminent researcher, professor, and former head of the Department of Biosciences and Bioengineering at IIT Bombay. She was also an alumna of IIT Bombay (Ph.D., Biomedical Engineering, 2000). The initiative will continue Dr. Rinti Banerjee's legacy. The late Dr. Banerjee was one of the rare faculty members at IIT Bombay with an MBBS degree and made exemplary contributions to translational research in the healthcare sector in India.

Women with MBBS degrees and an outstanding record in healthcare will be appointed to the chair to provide leadership in multidisciplinary translational work at IIT Bombay and to enhance multidisciplinary teamwork with the aim of lowering costs and making healthcare more accessible to Indian citizens.

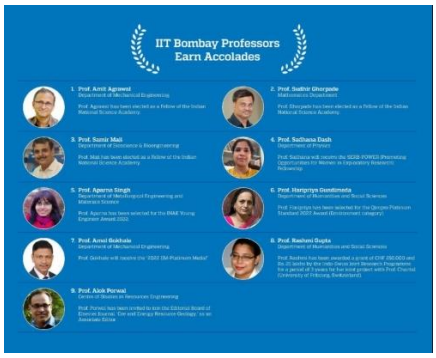
Legendary IITB Professor S.P. Sukhatme to Support Annual Scholarships for Children of IITB's non-Academic Staff

IIT Bombay's former Director and Professor Emeritus of the Department of Mechanical Engineering, Prof. S.P Sukhatme, will support annual scholarships for meritorious children of employees of IITB's non-academic staff. And to that end, IIT Bombay signed a Memorandum of Understanding (MoU) with him on Oct 11, 2022. Through this initiative, annual student scholarships for

meritorious children of employees of the Institute's non-academic staff including regular, temporary (on consolidated pay), and CHMS (mess workers amongst others who are pursuing their higher studies in India) will be established. The scholarships will be named after Prof. Sukhatme to honour his philanthropic contribution.

One of IIT Bombay's key missions is to provide an equitable launchpad for success to students hailing from economically strapped backgrounds. Granting students with scholarships forms an integral part of the Institute's endeavour of providing equal opportunities to these young and bright minds who have the potential to change the world. These annual student scholarships will add to Prof. Sukhatme's legacy of giving back to IIT Bombay, which includes the setting up of the Chair Professorship in Biostatistics at the Institute.

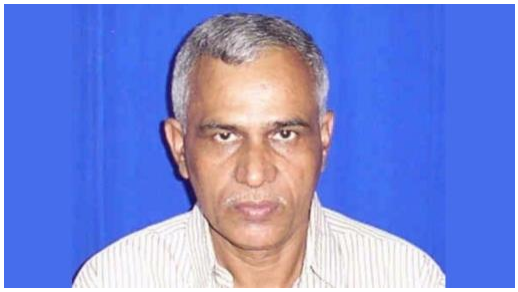
Prof. Sukhatme's leadership and mentorship of students, faculty, and alumni continue even after his tenure at the Institute. His considerate gesture has touched the hearts of the IIT Bombay community, who still look up to him as a father figure.



IIT Bombay Professors Earn Accolades

Following are highlights of the many accolades and awards received by IITB's faculty members over the past month.

- Prof. Amit Agrawal (Department of Mechanical Engineering) has been elected as a Fellow of the Indian National Science Academy
- Prof. Sudhir Ghorpade (Mathematics Department) has been elected as a Fellow of the Indian National Science Academy
- Prof. Samir Maji (Department of Bioscience & Bioengineering) has been elected as a Fellow of the Indian National Science Academy
- Prof. Sadhana Dash (Department of Physics) will receive the SERB-POWER (Promoting Opportunities for Women in Exploratory Research) Fellowship
- Prof. Aparna Singh (Department of Metallurgical Engineering and Materials Science) has been selected for the INAE Young Engineer Award 2022
- Prof. Haripriya Gundimeda (Department of Humanities and Social Sciences) has been selected for the Qimpro Platinum Standard 2022 Award (Environment category)
- Prof. Amol Gokhale (Department of Mechanical Engineering) will receive the '2022 IIM-Platinum Medal.'
- Prof. Rashmi Gupta (Department of Humanities and Social Sciences) has been awarded a grant of CHF 250,000 and Rs. 25 lakhs by the Indo-Swiss Joint Research Programme for a period of 3 years for her joint project with Prof. Chantal (University of Fribourg, Switzerland).
- Prof. Alok Porwal (Centre of Studies in Resources Engineering) has been invited to join the Editorial Board of Elsevier Journal, 'Ore and Energy Resource Geology,' as an Associate Editor.



IIT Staff Member, Mr. Dattaram Gaikar, wins Madhav Patwardhan (Julian) Memorable award

Mr. Dattaram Gaikar (retired staff in MEMS, IIT Bombay) received the (late) Madhav Patwardhan (Julian) Memorable award for bibliographic work in the Marathi language on October 29, 2022. The award includes Rs. 10,000 and a certificate. The Chief Guest for this function was noted scientist Dr. Anil Kakodkar (ex-Chairman BoG, IIT Bombay).

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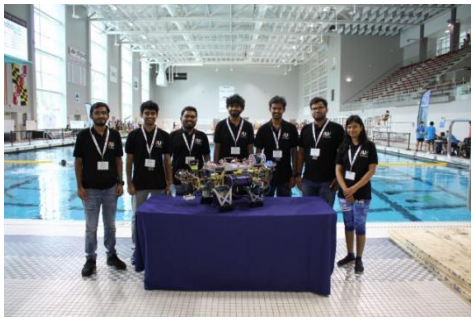
Research Impact: IIT Bombay Students Co-Author Important Paper on Artificial Intelligence in Medical Diagnosis

M.Tech students from IIT Bombay – Abhiraj Kanse, Nikhil C. Kurian, Himanshu P. Aswani, and IITB's Ph.D. student Amit Sethi (along with Zakia Khan, Peter H. Gann, and Swapnil Rane) are co-authors of a paper titled, 'Cautious Artificial

Intelligence Improves Outcomes and Trust by Flagging Outlier Cases' which was published in the prestigious journal, JCO Clinical Cancer Informatics, An American Society of Clinical Oncology Journal.

The purpose of the paper is, "Artificial intelligence (AI) models for medical image diagnosis are often trained and validated on curated data. However, in a clinical setting, images that are outliers with respect to the training data, such as those representing rare disease conditions or acquired using a slightly different setup, can lead to wrong decisions. It is not practical to expect clinicians to be trained to discount results for such outlier images. Toward clinical deployment, we have designed a method to train cautious AI that can automatically flag outlier cases."



IIT Bombay's Autonomous Underwater Vehicle Team Wins Three Awards at RoboSub 2022

IIT Bombay's Autonomous Underwater Vehicle Team participated in RoboSub 2022 with the latest edition of their vehicle Matsya 6B and won awards in three categories. A total of 39 teams from 14 countries around the world participated in multiple categories. The team performed the best out of the 15 teams that qualified for a wildcard entry into the finals by scoring the highest points. They also placed third in the 'Competition Video' category. The video highlighted the new features added to the vehicle, as well as the competitive strategy that they followed for Robosub-2022. In the 'Autonomy Challenge', the team placed 7th overall during the finals. The team was led by Prof. Leena Vachhani and Prof. Hemendra Arya.

INSTITUTE HIGHLIGHTS

IIT Bombay Welcomes United Nations Secretary-General António G. to the campus

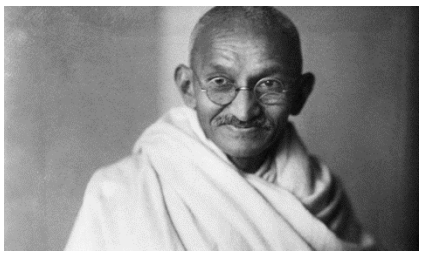
IIT Bombay welcomed the United Nations Secretary-General António Guterres on October 19, 2022, to the campus for the UN Day Public Lecture titled, 'India at 75: India UN Partnership – Strengthening South-South Cooperation.'

The UN Chief, in his address, urged the students to work on solutions to climate change and desist from working for those who are wrecking the climate. He also stressed the need for gender parity at all workplaces and condemned violence against women.

Esteemed guests who graced the occasion included Ms. Ruchira Kamboj, India's Permanent Representative to the United Nations; Mr. Shombi Sharp, UN Resident Coordinator in India; Ms. Dia Mirza, actress and Goodwill Ambassador of United Nations Environment Programme (UNEP); Mr. Samir Saran, President of Observer Researcher Foundation; delegates from the Ministry of External Affairs (MEA), Government of India and members from UN India.

Several IIT Bombay dignitaries were also present during the occasion including Prof. S. Sudarshan, Deputy Director (Academic and Infrastructural Affairs); Prof. Neela Natraj, Dean (Faculty Affairs); Prof. Amit Aggrawal, Dean (International Affairs); Prof. Upendra Bhandarkar, Associate Dean (Research & Development); Prof. Ravindra Gudi, Dean (Alumni and Corporate Relations); Prof. D. Parthasarathy (Department of Humanities and Social Sciences) and Prof. Krishna Kaliappan, Dean (Strategy).

The UN Secretary-General also visited four stalls on R&D projects undertaken in the areas of Carbon Capture, Utilization and Storage, Gene Therapy for Cancer Cure, Nanofabrication, and Energy Storage Solutions. The UNSG was highly complementary and appreciated the efforts undertaken by the faculty and students at the Institute. https://youtu.be/aEFWuemuJZA



IIT Bombay Celebrates Gandhi Jayanti

On October 02, 2022, IIT Bombay paid homage to the Father of the Nation, Mahatma Gandhi, and former Prime Minister, Lal Bahadur Shastri, on their birth anniversaries. The Institute Cultural Council organized the Gandhi Jayanti celebrations at PC Saxena Auditorium. Key IIT Bombay functionaries including Prof. Subhasis Chaudhuri, Director, IITB, Prof. Tapanendu Kundu, Dean (Student Affairs), Mr. Ganesh Bhorkade, Registrar, and Prof. Somnath Basu, Institute Cultural Chairperson, lit lamps and paid floral tributes to Gandhiji and Shastriji.

The students of IIT Bombay enthralled the audience with musical performances in Hindustani Classical, Carnatic, and Assamese, and performed a violin chorus on the occasion.

IITB hosts 'The Tech & R&D Expo 2022'

IIT Bombay has been the birthplace of numerous R&D projects that have the potential to improve the lives of people across India, even as the world has benefited tremendously from technical research and innovation. The Institute Technical Council conducted its 2-day tech extravaganza 'The Tech & R&D Expo 2022' and provided a platform for showcasing the technical prowess of various tech teams and student bodies, professors, alumni, and several company executives. This two-day fest was designed to enhance the passion for tech among the students and conducted talks by many acknowledged speakers, workshops, gaming and drone flying sessions, and much more!

IITB Hosts Institute Talk on the Importance of Millets

The Government of India and the United Nations have declared 2022-23 as the International Year of Millets. Mr. Ananth Krishna and Mr. Bibhishan Bagal from Shekru Foundation delivered the first Institute Talk on 'Step into the World of Millets' on September 29, 2022. They introduced millet to the audience and spoke about the importance of millet farming for both farmers and consumers. They also spoke about nutrition diversity in this era of climate change. The talk was well-attended by students, staff, and faculty.

UPCOMING EVENTS

Golden Jubilee Reunion Class of 1972

The Golden Jubilee Reunion celebration for the 1972 batch of IIT Bombay will take place in November on campus. This grand celebration is open to IITB alumni/alumnae who meet any one of the following criteria:

– Tech students who entered IITB in 1967.

– Tech students who graduated in 1972 from IITB.

– All postgraduate students pursuing MTech, MSc, IDC, PhD, etc. who graduated in 1972 from IITB.

The Institute has planned several activities for the alumni including visits to hostels, departments, and other haunts on the campus. Alumni will also have plenty of free time to reconnect with old friends, rekindle old relationships, and relive old times in familiar hangouts. A formal conference and an informal dinner with the Director and other officials at the institute, and other entertainment activities have been planned as well.

Day & Date: November 7-11, 2022
Time: TBA
Venue: IIT Bombay Campus

SARC – the Student Alumni Relations Cell – will host the third session in their series called Corporate Connect. Cofounders, Mr. Nakul Aggarwal and/or Ritesh Arora from Browserstack will be the chief guest(s) at the occasion and answer questions from students during the session. Besides the Q&A, the event will include informal and interactive segments.

Day & Date: November 26, 2022
Time: TBA
Venue: IIT Bombay Campus

E-Cell IIT Bombay Launches Asia's largest Business Model Competition – Eureka!

The e-Cell of IIT Bombay proudly launched Asia's largest Business Model Competition, Eureka! This platform provides the perfect opportunity for its participants to fast-track their entrepreneurial journey and turn their ideas into viable business models. In its 25th edition, Eureka! ensures that the participants get quality mentoring, networking with prominent investors, and many funding opportunities.

Eureka! Consists of three rounds – Zonal Round, Business Model Round, and Pitch Round. And the result will be announced on February 5, 2023.

Register at: https://www.ecell.in/eureka/