

IIT Bombay Holds Commencement 2025



(From L- R): Dr. Sharad Kumar Saraf, Chairperson of the Board of Governors, IIT Bombay; Chief Guest Mr. Sumant Sinha and Prof. Shireesh Kedare, Director of IIT Bombay during the Commencement 2025

The Indian Institute of Technology Bombay held **Commencement 2025** at the Institute's Convocation Hall on 3rd May, 2025. **Mr. Sumant Sinha**, Founder, Chairman and Chief Executive Officer, *ReNew* graced the ceremony as the Chief Guest.



Chief Guest Mr. Sumant Sinha addressing the audience

Commencement, similar to a traditional convocation ceremony, is a special event conducted once every year to gather all students expected to graduate in that academic year. It mirrors the Convocation with elements like the Academic Procession, addresses by the Chief Guest and Director, a pledge ceremony and a uniform dress code, but does not include the awarding of degrees, medals or honors.

Sharing his message to the students **Mr. Sumant Sinha**, Chief Guest, in his commencement address said, *"It's an honour to join you today, at this esteemed institution, our shared learning ground. My four years at IIT Delhi were among the best in my life, filled with learning, lifelong friendships and humbling experiences. As you graduate from IIT, equipped with knowledge and skills, use them to innovate, inspire and drive change. Success is not just personal achievement but also making a positive impact, especially amid climate threats and global challenges. The future is in your hands. With determination, resilience and ethical choices, you can shape a sustainable, happy and fulfilling world for all"*.



Prof. Shireesh Kedare, Director of IIT Bombay addressing the audience

Presenting the Institute’s Report for the year 2024-25, **Prof. Shireesh Kedare**, Director of IIT Bombay highlighted that IIT Bombay maintains its position as the top-ranked university in India and among the leading institutions globally. Wishing the students, **Prof. Kedare** said, *“Today, as you stand on the brink of graduation, I am filled with immense pride for the bright individuals you have become. The world needs your ideas, your passion and your drive to make an impact. What we’ve provided you here at IIT Bombay is a strong foundation, but the structure you build on top of it is yours to create. As you move forward, I urge you to never stop striving for excellence, to break through any societal or technological barriers and to contribute to the betterment of society and our nation. We look forward to seeing the monumental contributions you will make in the years ahead”*.

The Chairperson, Board of Governors of IIT Bombay **Dr. Sharad Kumar Saraf** said, *“You are now part of a fraternity built over more than 60 years on the foundation of world-class education and lifelong bonds. As you step into a world full of promise, remember that your greatest contribution may one day be the way you return to uplift the place that gave you your start. That, truly, is the guru dakshina you can offer”*.

IIT Bombay introduced a ‘Commencement’ event in 2023 so that the students celebrate their journey through IIT Bombay along with all their batch-mates and family members while they embark on a new phase in their lives.

In the afternoon session, approximately 2550 students — including around 1064 undergraduates, 1327 postgraduates and 138 PhD scholars — were invited to a photo opportunity with the Director on the dais, marking a memorable moment for the graduating class.

The Commencement 2025 was attended by the Members of the Board of Governors, faculty members, graduating students and their families.

The function was broadcast live on: <https://www.youtube.com/c/IITBombayOfficialChannel>



Students taking pledge during Commencement 2025

IIT Bombay Celebrates International Day Of Yoga 2025



Participants performing yoga asanas during International Day of Yoga celebrations at IIT Bombay

IIT Bombay commemorated the **11th International Yoga Day (IDY)** on 21st June, 2025. **Mr. Dinesh Ghodke**, an International Wellness Expert and Former Director of Art of Living – Youth Program, was the Chief Guest on the occasion. About 200 attendees, including faculty, staff, students and campus residents, took part in the event.

The celebration began with the **Common Yoga Protocol (CYP) session** promoting the integration of yoga into daily life by highlighting its physical, mental and spiritual benefits. Chief Guest Mr. Ghodke, in his address, encouraged students and the IIT Bombay community to incorporate yoga as a regular practice to enhance holistic well-being.

Institute functionaries, including **Prof. Sachin Patwardhan**, Acting Director and Dean (Research and Development); **Prof. Suryanarayana Doolla**, Dean (Student Affairs); **Prof. Atul Srivastava**, Associate Dean (Student Affairs) and **Mr. Ganesh Bhorkade** (Registrar) graced the event with their presence, reinforcing the Institute's commitment to

fostering a culture of wellness and mindfulness within the academic community.

Participants engaged in a thoughtfully structured sequence of yoga asanas, pranayama, meditation (dhyana) and yoga nidra, collectively designed to promote flexibility, mental clarity, emotional balance and deep relaxation.

In the evening, the celebration continued with the yogathon challenge of performing 108 rounds of Suryanamaskar and most succeeded. Participants who demonstrated exceptional perseverance and form during the challenge were honoured with special recognition and token prizes.

Students and teachers from KG School, Campus School and PM SHRI Kendriya Vidyalaya, IIT Powai, also celebrated International Yoga Day 2025 in their school premises.

The celebration of IDY 2025 at IIT Bombay reflected a commitment to uphold the values of self-care, awareness and inner peace through yoga.

As part of the 100 days of IDY 2025, Yogastha, IIT Bombay hosted a variety of yoga sessions, workshops, lectures and contests as follows:

- i. A four-day workshop on chakra meditation by Revati Vaidya, a certified yoga therapist with a Master's in Yogashastra, held during 10th-13th March, 2025
- ii. Special yoga session for Hostel 18 residents on 22nd March, 2025
- iii. A three-day workshop on 'Yoga for Brain' by Dr. Ajay R. Kumbhar, held during 2nd-4th May, 2025
- iv. A four-day yoga camp by Team Yogastha, IIT Bombay, in collaboration with Dr. Vikas Chothe and Dr. Shwetambri Chothe from Swasti Yoga Centre, held during 5th-8th May, 2025
- v. Workshop on "De-stressing in Today's World" held on 9th May, 2025
- vi. Yoga Abhiyojna – 54 Surya Namaskar competition organized by Team Yogastha, IIT Bombay, held during 13th-15th May, 2025
- vii. A two-day body-awakening workshop on 'Upa Yoga & Miracle of Mind' by ISHA Foundation, held during 16th-17th May, 2025
- viii. A musical meditation workshop by Brahmakumari Ritu Thakkar ji (MBA, certified Happiness Coach, Berkeley Institute of Well-Being, TEDx speaker and author) on 24th May, 2025
- ix. A two-day women empowering workshop: Menstrual Cycle Pleasurable Journey, held during 27th-28th May, 2025
- x. "Harmony Within: A Musical Yoga Retreat" by Dr. Chirag Kher, a certified yoga trainer and physician (homoeopathy) and BK Janki, a senior Rajyoga teacher on 31st May, 2025
- xi. A three-day yoga workshop by Ambika Yoga Kutir, held during 3rd-5th May, 2025
- xii. Yogathon Practice Sessions training participants for the 108 Suryanamaskar Challenge, held on 6th, 9th, 11th, 13th, 16th and 18th June, 2025
- xiii. Common Yoga Protocol sessions to prepare participants for the official observance of the standard yoga sequence issued by the Ministry of AYUSH, held on 12th, 14th, 16th, and 19th June, 2025
- xiv. Heartfulness Meditation and Yogic Relaxation Techniques by Dr. Nivedita Shreyans from Heartfulness Institute on 20th June, 2025
- xv. A special talk on "The Inner Startup: Yogic Tools for Mental Resilience and Emotional Mastery" by Mr. Dinesh Ghodke on 20th June, 2025
- xvi. A three-day 'Cool Down' session was organized by Yogastha Club, IIT Bombay, during 23rd-25th June, 2025, to help participants gradually restore their physiological equilibrium, reduce muscular strain and prevent post-exertion fatigue through Surya Namaskar
- xvii. Various competitions, including a 2-minute yoga challenge, T-shirt designing, tratak challenge, slogan writing, essay writing, a yoga quiz, meme-making, best yogasana and poster-making, were conducted during May and June 2025



Prof. Sachin Patwardhan, Acting Director and Dean (Research and Development), IIT Bombay, felicitating Chief Guest Mr. Dinesh Ghodke (center)

QS WUR 2026: IIT Bombay Ranked 2nd In India And 129th Globally



The Indian Institute of Technology Bombay (IIT Bombay) has been ranked **2nd in India** and **129th globally** in the **Quacquarelli Symonds (QS) 2026 World University Rankings**, with an overall score of 64.8 out of 100. The results were released by the British company QS on 19th June, 2025.

The Institute has a score of 96.7 in employer reputation, 82.9 in citation per faculty, 73.3 in academic reputation, 72.6 in employment outcome, 75.2 in sustainability, 16.1 in faculty-student ratio, 6.5 in international faculty, 46.6 in international research network and 1.6 in international students, all scores out of a maximum of 100 points.

IIT Bombay has fared better this year in the following categories: Academic reputation, Citations per faculty, Employer reputation, Employee outcome and Sustainability.

Inauguration of Café Quantum



Numerous faculty members, officers, staff and students were also present to mark the occasion

On 9th June, 2025, **Prof. K.V. Krishna Rao**, Deputy Director (Finance, Infrastructure and Administration) and **Prof. Milind Atrey**, Deputy Director (Academics, Research and Translation), inaugurated the newly established Café Quantum, located on the 4th floor of the Rahul Bajaj Technology and Innovation Centre, IIT Bombay.

Several distinguished functionaries graced the occasion, including **Prof. Subhasis Chaudhuri**, former Director; **Prof. S. Sudarshan**, former Deputy Director (AIA); **Prof. S. V. Kulkarni**, former Dean (AA); **Prof. P. Vedagiri**, Dean (Infrastructure Planning and Support); **Prof. Nand Kishore**, Dean (Administrative Affairs (AA)); **Prof. Ravindra Gudi**, Dean (Alumni and Corporate Relations); **Prof. Santosh Gharpure**, Dean (Faculty Affairs); **Prof. Atul Srivastava**, Associate Dean (Student Affairs); **Mr. Ganesh Bhorkade**, Registrar; **Prof. Kavi Arya** (former Convener, Guest House Advisory Committee (GHAC)) and **Prof. Varadraj Bapat** (Convener, GHAC).

IIT Bombay Champions Strong-Governance, High-Impact And Tech-Led Vision At Its Annual CSR Conclave 2025



From (L-R): Prof. Upendra Bhandarkar, Associate Dean (Research and Development); Prof. K.V. Krishna Rao, Deputy Director (Finance, Infrastructure and Administration); Prof. Ravindra Gudi, IIT Bombay Dean (Alumni and Corporate Relations), Distinguished Alumnus Guest speakers Mr. Ashank Desai, Mr. Mirik Gogri and Ms. Rekha Koita; Mr. Maharshi Vaishnav (CEO, Educate Girls) and Mr. Ravishankar Gedela - CEO, Development and Relations Foundation, IIT Bombay during the launch of the Annual CSR Catalogue 2025

On 6th June, 2025, IIT Bombay held its **annual CSR (Corporate Social Responsibility) Conclave 2025** at its Powai campus. Centred on the theme **“Fuelling Technology for Nation Building”**, this year’s Conclave brought together over 500-plus attendees for a day of dialogue and collaboration.

The Conclave underscored two powerful ideas defining IIT Bombay’s CSR strategy: (1) meaningful, measurable societal impact underpinned by strong governance and (2) the development of technology for nation-building.

This spirit of purpose was echoed by a compelling keynote address by **Prof. Shireesh Kedare**, Director, IIT Bombay, who highlighted that with clear engagement pathways, rigorous protocols and a commitment to transparency, the Institute has built a CSR ecosystem that inspires trust. *“Our strong governance framework and robust compliance mechanisms give corporate partners the confidence they seek,”* he said. *“We’re structured to move with the pace, accountability and professionalism that CSR collaborations demand”.*

The Director’s message mirrors the larger momentum IIT Bombay is building through its CSR partnerships. 2024–25 was a landmark year as the Institute signed 81 new CSR partnerships. Over 140 companies supported a wide range of initiatives, including several R&D projects, building research and academic infrastructure, establishing Centres of Excellence, funding faculty chairs and setting up student scholarships. IIT Bombay looks forward to collaborating with more companies to align their CSR vision with scalable, technology-led solutions for society.

The Annual CSR Catalogue 2025 showcased 276 cutting-edge, ready-to-roll projects. Spanning sectors such as healthcare, sustainability, social policy and last-mile delivery, the catalogue offers in-depth insights into ongoing initiatives and partnership opportunities with corporates, fostering greater collaboration, transparency and long-term impact.

The Chief Guest **Mr. Ashank Desai**, tech entrepreneur, philanthropist and the Institute’s

Distinguished Alumnus, delivered a powerful address that framed a bold and urgent vision for the country’s future.

“India must lead the global economy in both GDP growth and scientific innovation. That’s how we become a truly developed nation by 2047,” he said. Mr. Desai asserted that the country’s progress hinges not just on innovation, but on how quickly and effectively it translates into real-world impact. *“We can’t afford to move in months and years anymore,”* he said. *“Speed and size of impact—that’s what matters now”.* Mr. Desai also called on corporate India to reimagine CSR not as a matter of compliance or charity, but as a long-term investment in its scientific ecosystem. *“If IIT does well, society benefits—directly or indirectly. That, too, is giving back”*, he noted.

As the day drew to a close, the message was clear: CSR is no longer a secondary activity. It is central to India’s development story and IIT Bombay is ready to take that story forward.

IIT Bombay Celebrates World Bicycle Day



On 1st June, 2025, the **Institute Sports Council at IIT Bombay** organized a bicycle tour titled '**Sunday on Cycles**' in celebration of **World Bicycle Day**. This event was conducted under the aegis of the **Fit India Movement** to foster physical fitness, sportsmanship and environmental sustainability among the campus community.

Approximately 200 participants from the campus community, including students, faculty members and residents, enthusiastically joined together to celebrate the joy of cycling. The route spanned a total distance of 12 kilometres, mapped as a 6-kilometre loop

completed twice, offering a well-paced and enjoyable experience for riders of all fitness levels.

Several functionaries, including **Prof. Shireesh Kedare**, Director of IIT Bombay; **Prof. K.V. Krishna Rao**, Deputy Director (Finance, Infrastructure and Administration); **Prof. Atul Shrivastava**, Associate Dean (Student Affairs) along with other officials graced the event with their presence.

All participants who completed the tour received a complimentary gift as a token of appreciation for their involvement.

IIT Bombay Celebrates World Environment Day 2025



On the occasion of **World Environment Day 2025**, IIT Bombay hosted a week-long series of impactful events focused on policy, finance, community action and innovation in sustainability. These initiatives brought together experts, students, faculty and staff to explore pressing environmental challenges and collaborative solutions.

1. Campus Clean-Up Drive:

In continuation of its commitment to sustainability and community involvement, IIT Bombay organized a

campus clean-up drive on 5th June, 2025, in observance of World Environment Day 2025. Campus residents of all ages came together to participate in the drive. They enthusiastically cleaned various parts of the campus, including litter from the lakeside road and the market area at Y-point. The drive served as a practical demonstration of environmental stewardship, encouraging responsible waste management and fostering a sense of shared responsibility among the campus community.

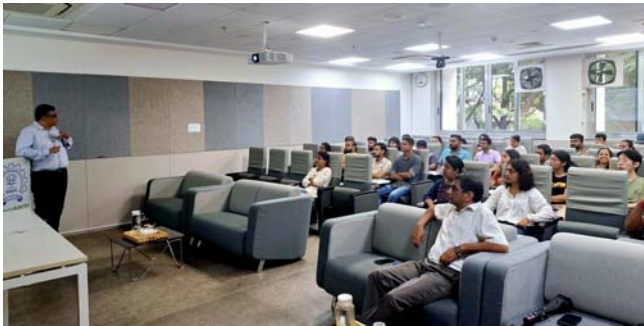
2. Plastic Pollution Awareness Initiative:

A student team from the **Environmental Science and Engineering Department** led a significant **environmental awareness initiative** to educate various local shopkeepers on campus on various issues related to plastic waste. The team engaged with shopkeepers, encouraging them to abandon single-use polythene bags and adopt eco-friendly paper bags, promoting a cleaner environment. They explained the detrimental effects caused by the use of plastic bags, including soil infertility and environmental pollution due to non-decomposition.



3. Institute Talks:

As part of the World Environment Day celebrations, **two distinguished talks** were organized as follows:



Prof. Ajay Deshpande, an environmental professional and professor, spoke on **“Extended Producer Responsibility Regulations for Plastic: Challenges and Opportunities”** on 29th May, 2025. His talk provided insights into policy frameworks and practical solutions for plastic waste management.



Prof. Anju Singh, Indian Institute of Management, Mumbai, spoke on **“Sustainability: A Parallel Financial System”** on 4th June, 2025. Her talk focused on change in capitalism towards greater conscience and purpose beyond profit.

4. Greenovate 2025 Competition:



On 5th June, 2025, **IIT Bombay Research Hub for Green Energy and Sustainability (GESH IIT Bombay)**, in collaboration with **Centre for Climate Studies (CCS)**, **Desai Sethi School of Entrepreneurship (DSSE)**, **Environmental Science and Engineering Department (ESED)** and the **Institution Innovation Council (IIC)**, hosted **Greenovate 2025**, an idea pitch competition designed to spotlight innovative solutions that drive environmental sustainability and real-world impact. The event saw broad participation from student teams who showcased their ideas on next-generation batteries and compostable packaging to smart plastic solutions and greywater recycling systems. The pitches addressed transformative ideas spanning clean tech, waste management, water treatment and carbon capture.

The event featured jury and guests from academia, research and industry, including **Dr. Vivek Dalvi** (Program Manager, Research, GESH IIT Bombay), **Ms. Jayshree Nayak** (Program Director, Project Titanium, Society for Innovation and Entrepreneurship, IIT Bombay) and post-doctoral fellows **Dr. Rosa Lyngwa** (Centre for Climate Studies) and **Dr. Junaid** (Department of Civil Engineering).

The teams **SusPak** (for compostable food trays made of bagasse and wood pulp) and **GreyCycle** (for modular greywater treatment system) were declared **winners**, while teams **Ecoard Board** (for sustainable packaging using invasive water hyacinth) and **ScrapXchange** (for peer-to-peer scrap trading platform) were announced as **runners-up**.

The collective commitment and conscious participation of all the stakeholders in the World Environment Day initiatives were a testament to a greener, more sustainable future!

IIT Bombay And Tohoku University Sign Landmark Agreement To Establish Joint Institute Of Excellence

On 15th April, 2025, **IIT Bombay** and **Tohoku University (TU), Japan**, officially signed a joint statement on the establishment of the **Tohoku University–IIT Bombay Joint Institute of Excellence (JIE)**. This collaboration aims to advance academic and research excellence, foster industry-academia co-creation and promote a wide range of collaborative initiatives.

The two institutions also signed an agreement to establish a Dual Doctoral Degree Program, marking a transformative step in bilateral

research collaboration and strengthening Indo-Japanese academic ties. This partnership will focus on driving ground-breaking research, facilitating student and faculty exchange and encouraging innovation in key areas of mutual interest—including sustainable energy, artificial intelligence, materials science, disaster resilience and more.

The formal agreement took place in a special ceremony hosted at Tohoku University, attended by senior officials, faculty members and delegates from both institutions, including:

- **Mr. Sibi George**, Honourable Ambassador of India to Japan
- **Mr. Gakuji Ito**, Director-General, Higher Education Bureau, Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan
- **Mr. Kanji Fujiki**, Director-General, Japan Science and Technology Agency, Sakura Science Exchange Program
- **Mr. Kazuhiro Aoki**, Managing Director, The 77 Bank Ltd
- Delegates from Tohoku University led by its President **Prof. T. Tominaga**
- From IIT Bombay: **Mr. Sharad Kumar Saraf**, Chairperson, Board of Governors; **Prof. Shireesh B. Kedare**, Director; **Prof. Milind Atrey**, Deputy Director (Academics, Research and Translation); **Prof. Sudarshan Kumar**, Dean (International Relations (IR)), **Prof. Suvarn Kulkarni**, Dean (Academic Programmes), **Prof. P. Seshu**, Convenor, JIE Committee and **Ms. Chandrika Naik**, Dean (IR) Office

This partnership marks the beginning of a new era of global academic synergy, innovation and enduring friendship between India and Japan.



IIT Bombay Director Prof. Shireesh B. Kedare and Tohoku University President Prof. T. Tominaga unveil the JIE Promotion Office signboard



IIT Bombay functionalities along with Tohoku University (TU), Japan representatives during joint photo session

BrowserStack Co-founders Pledge Rs. 100 Crore Towards Student Facilities

In a generous gesture of giving back, **Nakul Aggarwal and Ritesh Arora**, Co-Founders of *BrowserStack* and Distinguished Alumni of IIT Bombay (BTech, Computer Science and Engineering, 2006), have committed to contribute Rs 100 crore to their alma mater to enhance campus infrastructure, particularly pertaining to the student residential facilities.

A portion of this significant contribution is from BrowserStack, as part of their Corporate Social Responsibility (CSR) initiative, to support education and research and empower the brightest minds of India.



Mr. Nakul Aggarwal (second from right) and Mr. Ritesh Arora (third from right) along with IIT Bombay functionaries, including IIT Bombay Director Prof. Shireesh B. Kedare and Mr. Sharad Kumar Saraf, Chairperson, Board of Governors during signing of the MoU

Their generous donation will be directed towards two major initiatives:

- Reconstruction of Hostel 6, where Ritesh and Nakul resided during their time at IIT Bombay
- Project Evergreen, a comprehensive initiative, to modernize Hostels 7, 8 and 21

“Through this contribution, we’re not just rebuilding hostels—we’re investing in environments where the next generation of tech leaders can collaborate, ideate and push boundaries,” said **Ritesh Arora**, CEO and Co-Founder of BrowserStack.

“This contribution is personal for us—we’re simply giving back to the institution that showed us what’s possible when talent meets opportunity,” said **Nakul Aggarwal**, CTO and Co-founder of BrowserStack.

Expressing gratitude for the contribution, **Prof. Shireesh Kedare**, IIT Bombay Director said, *“This generous gesture by Nakul Aggarwal and Ritesh Arora will greatly enhance the living and learning environment for our students. We are immensely grateful for their unwavering commitment to IIT Bombay”*.

IIT Bombay Awarded ANRF PAIR Grant As Hub Institute

IIT Bombay has been awarded the **Partnerships for Accelerated Innovation and Research (PAIR) grant** by the **Anusandhan National Research Foundation (ANRF)**. As a Hub Institute, IIT Bombay will collaborate with seven Spoke institutions: University of Mumbai; Indian Institute of Information Technology (IIIT) Nagpur; IIIT Pune; National Institute of Technology (NIT) Goa; Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu; Maharaja Sayajirao University of Baroda and COEP Technological University, Pune.

The PAIR programme aims to enhance India’s research ecosystem through structured Hub-and-Spoke networks, with each eligible for funding of up to 100 crore over five years. The IIT Bombay network will focus on three thematic areas: Industry 4.0 (signal processing, AI, cybersecurity), Energy and Sustainability (green hydrogen, electric vehicles) and Advanced Materials (energy materials, ceramics).

Prof. Vikram Gadre, Programme Director for IIT Bombay PAIR initiative, emphasized the importance of collaboration, capacity building and research impact with its Spokes. This initiative will be led by **Prof. Shireesh Kedare**, IIT Bombay Director and **Prof. Sachin Patwardhan**, Dean (Research and Development).

Nearly 95 faculty members will participate in the initiative, including 30 from IIT Bombay. There will be significant opportunities for students and faculty from Spoke institutions to engage in joint research and internships at IIT Bombay.

Through this national collaboration, IIT Bombay aims to promote interdisciplinary innovation, joining other Hub institutions such as IIT Indore and IISc Bangalore.

IIT Bombay's Class of 1998 Strengthens Its Legacy With Rs. 57 Crore Commitment

At their 25-year reunion in December 2023, the **Class of 1998** announced a **landmark pledge of Rs. 57 crores** to support key initiatives at IIT Bombay. Following months of collaboration with the Institute, this commitment has been **formalized through a Memorandum of Understanding (MoU)**, towards student and faculty development, cutting-edge research and campus infrastructure.

The key initiatives supported by this commitment are:

IIT Bombay Student Flourishing Hub, an innovative programme housed within IIT Bombay's

Student Wellness Centre to support students enhance essential skills in emotional resilience to excel in their careers; faculty excellence through the **Young Faculty Fellowship** and **Retired Faculty Wellness Fund**, supporting the faculty members who have shaped generations of students.

"We are thrilled this initiative will help students lead meaningful, fulfilling lives while they are at IITB and as they step into the world," said representatives from the Class of 1998.

"These initiatives reflect a deep understanding of what sustains an institution like IIT Bombay—not just infrastructure and research, but the people who bring it to life," said **Prof. Ravindra Gudi**, Dean (Alumni and Corporate Relations), IIT Bombay

The Class of 1998's contribution will further bolster IIT Bombay's ambitious student hostel initiative, Project Evergreen, expand the Financial Aid programme to ensure accessibility for students from diverse backgrounds and drive innovation by enhancing Makerspaces and Thematic Labs, particularly in Robotics, to accelerate technological advancements on campus.

Prof. Shireesh Kedare, Director of IIT Bombay said, *"The generosity of the Class of 1998 is a testament to the deep bond our alumni share with the Institute. Their support will empower students and faculty to push boundaries, innovate fearlessly and carry forward the IIT Bombay legacy"*.



IIT Bombay Signs MoU With Rayzon Solar



On 6th May, 2025, **IIT Bombay** and **Rayzon Solar** signed an MoU to collaborate on research and innovation in solar energy technologies.

This collaboration, led by the **Photovoltaic Technology Innovation Centre (PoTIC)** and the **National Centre for Photovoltaic Research and Education (NCPRE)**, aims to foster joint R&D, knowledge exchange and ecosystem development, while also providing students with valuable exposure to live industry projects.

The Institute looks forward to drive impactful innovation in photovoltaic technology and supporting India's clean energy transition along with its collaborators.

MoU With Université Paris Saclay



Prof. Milind Arey, Deputy Director of Academics, Research and Translation, IIT Bombay (center); Prof. Delphine Placidi-Frot, Vice-President of International and European Relations, Université Paris Saclay (center) along with other functionaries during signing of the MoU

A delegation from **Université Paris Saclay**, led by **Prof. Delphine Placidi-Frot**, Vice-President of International and European Relations, visited IIT Bombay on 28th March, 2025. This visit served as a follow-up to IIT Bombay's delegation visit to Université Paris Saclay in October 2024, further strengthening academic ties between the two institutions.

During their visit, the delegation engaged extensively with faculty from the Department of Chemistry, fostering discussions on future collaborative activities and joint research initiatives. They were also

introduced to the Departments of Chemical Engineering and Energy Science and Engineering, broadening the scope for interdisciplinary collaboration.

In recognition of the growing partnership and the continued discussions on institutional collaboration, the visit culminated in the **signing of a Memorandum of Understanding (MoU)**, marking a significant milestone in the academic and research engagement between IIT Bombay and Université Paris Saclay.

IIT Bombay Signs MoU With Indus Towers Limited



On 22nd April, 2025, **IIT Bombay** and **Indus Towers Limited**, one of the largest telecom infrastructure companies in world, inked an agreement for two transformative research initiatives in sustainable energy.

The research will primarily focus on creating innovative and practical solutions in two areas:

- (i) advancing solar power generation
- (ii) revolutionizing agricultural waste into clean energy storage.

Inauguration Of New Recruitment And Promotion Unit Office



On 30th April, 2025, Director **Prof. Shireesh Kedare** inaugurated the newly renovated office of the **Recruitment and Promotion Unit** of IIT Bombay.

The event was attended by various Institute functionaries, including **Prof. K.V. Krishna Rao**, Deputy Director (Finance, Infrastructure and Administration); **Prof. Milind Atrey**, Deputy Director (Academics, Research and Translation); **Prof. Nand Kishore**, Dean (Administrative Affairs); **Prof. Suryanarayana Doolla**, Dean (Students Affairs); **Prof. P. Vedagiri**, Dean (Infrastructure Planning and Support); **Prof. Usha Ananthakumar**, Dean (Educational Outreach); **Prof. Neela Nataraj**, former Dean (Faculty Affairs) and **Mr. Ganesh Bhorkade**, Registrar along with other faculty and staff members.

Ground-Breaking Ceremony Of “Efficiency Apartments” At IIT Bombay

On 7th May, 2025, IIT Bombay marked a major milestone with the groundbreaking ceremony of its upcoming **“Efficiency Apartments”**.

The event marked the beginning of an important initiative and was attended by several dignitaries, including **Prof. Shireesh Kedare**, Director; **Prof. Milind Atrey**, Deputy Director (Academics, Research and Translation); **Prof. K.V. Krishna Rao**, Deputy Director (Finance, Infrastructure and Administration); former Deputy Director **Prof. S. Sudarshan**; Deans, Associate Deans and other distinguished guests.

Located behind the QIP Quarters, near Udaygiri Building, Hillside, IIT Bombay, **the project boasts of following features:**



- (i) 120 2-BHK flats for faculty (Wing A)
- (ii) 309 1-RK units for married research scholars (Wing B)
- (iii) Total built-up area of 46,700 m²

This initiative, envisioned by the Dean IPS office, underscores IIT Bombay’s ongoing commitment to providing comfortable and efficient living spaces for its vibrant academic community. **Prof. P. Vedagiri**, Dean (IPS) highlighted the unique aspects of the Efficiency Apartments.

University of Warwick Delegation Visits IIT Bombay



The University of Warwick delegation during their visit to Nanofabrication Facility at IIT Bombay

On 9th April, 2025, a delegation led by **Prof. Virinder Kalra**, Incoming Deputy Pro-Vice Chancellor for South/ Central Asia and the Middle East, *University of Warwick, United Kingdom* visited IIT Bombay. The delegation engaged in high-level discussions with the leadership of IIT Bombay and visited several key research centres and initiatives. These included the IIT Bombay Monash Research Academy, the Koita Centre for Digital Health, the Centre for Machine Intelligence and Data Science, the IIT Bombay Nanofabrication Facility, the Centre for Semiconductor Technologies and the IITB Green Energy and Sustainability Hub.

These interactions offered the Warwick delegation a comprehensive understanding of IIT Bombay's interdisciplinary research strengths, innovation ecosystem and collaborative opportunities in areas of mutual interest. The visit marks an important step toward fostering academic and research collaborations between IIT Bombay and the University of Warwick.

PM Shri Narendra Modi Announces Establishment Of Wadhvani Hub And WITC At IIT Bombay

The Hon'ble Prime Minister of India **Shri Narendra Modi** announced the establishment of the **Wadhvani Hub for Biosciences, Bioengineering, Health and Medicine** and the **Wadhvani Innovation and Translation Centre (WITC)** at IIT Bombay during the YUGM Innovation Conclave on 29th April, 2025. This initiative aims to position India as a leader in the biosciences sector.

With a philanthropic commitment of INR 100 cr from the Wadhvani Foundation and an INR 200 cr matching contribution from IIT Bombay, the project will include a 120,000 sq.ft state-of-the-art building. The Hub will enhance MTech and PhD programs, promote advanced research and address healthcare challenges through interdisciplinary solutions.

The WITC will focus on translational research, startup incubation and commercialization, turning scientific breakthroughs into practical applications.

Dr. Romesh Wadhvani, IIT Bombay's Distinguished alumnus and founder of the Wadhvani Foundation said, *"The Wadhvani Hub and WITC at IIT Bombay will help make India a global leader in biosciences and healthcare while driving meaningful socio-economic progress"*.

Prof. Shireesh Kedare, Director of IIT Bombay said, *"This initiative will not only strengthen our research and academic ecosystem but also catalyze innovation and entrepreneurship in critical sectors of national importance. We are honoured to partner with the Wadhvani Foundation on this transformative journey"*.

This initiative builds on the Wadhvani Foundation's previous support for biosciences at IIT Bombay, continuing a decade-long commitment to impactful research and innovation.



IIT Bombay Host A Delegation From Imperial College London

On 23rd May, 2025, IIT Bombay welcomed a high-level delegation from *Imperial College London*, led by its President **Prof. Hugh Brady**. The delegation was received by the leadership of IIT Bombay, including **Dr. Sharad K. Saraf**, Chairperson of the Board of Governors.

During the visit, the delegation engaged in extensive discussions with various key entities at the institute. These included the IIT Bombay Green Energy and Sustainability Hub (GESH), the Centre of Excellence in Quantum Information Computing Science and Technology, the Society for Innovation and Entrepreneurship (SINE) and the IIT Bombay Research Park.

These interactions provided the Imperial College London delegation with a comprehensive overview of IIT Bombay's interdisciplinary research strengths, thriving innovation ecosystem and the breadth of collaborative opportunities available. The visit marks an important step toward strengthening academic and research ties between the two institutions, paving the way for meaningful collaboration in areas of shared interest.



Senior Representatives From CAIR Visit IIT Bombay

On 27th May, 2025, IIT Bombay had the honour of hosting senior representatives from the Centre for Australia-India Relations (CAIR), accompanied by **Mr. Paul Murphy**, Consul General of Australia in Mumbai. The delegation included **Mr. Tim Thomas**, CEO of CAIR and **Mr. Steve Waugh**, CAIR Board Member and legendary cricketer.

The delegation met with IIT Bombay's leadership to explore ways to deepen existing collaborations between India and Australia in the realms of education, research and innovation. Their discussions reflected a shared commitment to strengthening bilateral ties through institutional partnerships.

As part of the visit, the delegation also toured the Society for Innovation and Entrepreneurship (SINE), where they gained insights into IIT Bombay's vibrant startup incubation ecosystem. The visit served to reinforce the growing momentum in Australia-India engagement and opened new avenues for meaningful cooperation in technology, innovation and entrepreneurship.



Energy Day 2025



Mr. Vineet Mittal, Chairman of Avaada Group delivering keynote address on Energy Day 2025 at IIT Bombay

On 5th-6th April, 2025, the **Department of Energy Science and Engineering (DESE)** at IIT Bombay hosted **Energy Day 2025**. This two-day event brought together students, researchers, industry leaders and policymakers who are dedicated to advancing sustainable energy solutions.

The event was inaugurated by **Prof. Shireesh Kedare**, Director of IIT Bombay and **Prof. Manaswita Bose**, Head of DESE.

A highlight of the event was a compelling panel discussion titled **“The Renewable Energy Paradox: Are We Ignoring the Environmental Cost?”**. Notable speakers, including **Mr. Indu Shekhar Chaturvedi**, Former Secretary of the Ministry of New and Renewable Energy, Government of India; **Ms. Nishtha Gupta**, Group Head of Sustainability and Environmental, Social and Governance (ESG) at Suzlon Group; **Mr. Rajiv Ganju**, Senior Vice President at Luminous Power Technologies; **Lt Col Monish Ahuja**, Chairman and Managing Director of PRESPL; and **Prof. Shireesh Kedare** took part in the discussion. The session, moderated by **Prof. Zakir Rather**, provided diverse perspectives on the trade-offs involved in deploying renewable energy.

Two keynote sessions further enriched the event:

- **Mr. Prafulla Varhade**, Executive Director of the Maharashtra Electricity Regulatory Commission (MERC), discussed the regulatory challenges and opportunities in India’s energy landscape.
- **Mr. Vineet Mittal**, Chairman of Avaada Group, shared insights on India’s renewable energy potential, green hydrogen and decentralized energy systems.

Energy Day 2025 served as a unique platform for students to network with professionals across the energy sector and showcase their cutting-edge research in areas such as advanced solar technologies, grid systems, energy policy and more. Lab tours allowed visitors to get a closer look at the state-of-the-art work being conducted within DESE.

Overall, Energy Day 2025 was a celebration of innovation and a commitment to shaping a cleaner, more sustainable future.

World Intellectual Property Day 2025 At IIT Bombay

On 26th April, 2025, IIT Bombay organized an event to commemorate **World Intellectual Property (IP) Day**. The event highlighted the importance of intellectual property rights and their role in fostering creativity, innovation and economic growth.

The event featured insightful talks by:

Prof. Shishir Kumar Jha from the Ashank Desai Centre for Policy Studies, IIT Bombay, on **“Copyright and the Emerging Digital Economy”**, highlighting the evolving relationship between copyright frameworks and digital innovation in the music industry. **Prof. Karuna Jain** from the Shailesh J. Mehta School of Management (SJMSOM), IIT Bombay, on **“Importance of Intellectual Property in Academic Institutions”**, emphasizing effective IP management and the need to enhance IP-related activities at the institutional level.

A Q&A session followed the talks, during which participants actively engaged with the speakers, fostering an insightful and interactive exchange of ideas. The event concluded with **Prof. Sachin C. Patwardhan**, Dean (Research and Development), IIT Bombay, delivering the vote of thanks.

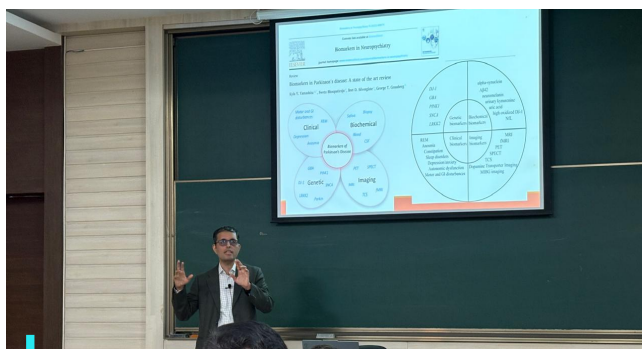


Prof. Karuna Jain (center), Prof. Sachin C. Patwardhan (fifth from left) and Prof. Shishir Kumar Jha (fourth from left), along with other staff members during World IP Day

IIT Bombay Observes World Parkinson's Day

On 11th April, 2025, the **Sunita Sanghi Centre of Aging and Neurodegenerative Diseases (SCAN)** at IIT Bombay hosted an event themed **"Parkinson's Disease and Beyond"**, bringing together leading neurologists from across Mumbai, on occasion of **World Parkinson's Day**. The event was inaugurated by **Prof. Ravindra Gudi**, Dean (Alumni and Corporate Relations), IIT Bombay.

The event focused on Parkinson's Disease (PD), covering its underlying mechanisms, diagnostic approaches, disease management strategies, assistive technologies and opportunities for innovation to support patients.



Dr. Pettarusp Wadia during their talk sessions on World Parkinson's Day

Highlights of the event:

- **Dr. Neeraj Jain**, Professor and Head of Neurology, KEM Hospital, Mumbai, discussed traditional methods of PD management in his talk titled, *"Understanding Parkinson's Disease and the Conventional Ways for the Management of PD"*.
- **Dr. Pettarusp Wadia**, Consultant Neurologist, Jaslok Hospital, Mumbai, spoke on recent diagnostic and therapeutic advancements, including Deep Brain Stimulation (DBS), in his talk titled *"Awareness and Recent Diagnostic & Therapeutic Advancements for PD"*.
- **Dr. Sachin Adukia**, Consultant Neurologist, Hiranandani Hospital, Mumbai, highlighted assistive technologies and the role of visual, auditory and tactile cues in PD management, including the use of virtual reality devices for gait and balance training, in his talk titled *"Assistive Technology and Devices for Better Management of PD"*.
- **Dr. Priya Pallavi**, a postdoctoral fellow at IIT Bombay, presented a talk on technology (currently under research) for early detection of PD and other neurodegenerative disorders through an online interactive platform.

The event provided valuable insights into the challenges faced by neurologists and underscored the need for innovative, tech-driven solutions to improve the lives of Parkinson's patients.

Industry Day On Intelligent Decision Support Systems



Various industry experts and stakeholders during Industry Day held at IIT Bombay

IIT Bombay's **Industrial Research and Consultancy Centre (IRCC)** and the **Technocraft Center for Applied Artificial Intelligence (TCA2I)** hosted **Industry Day on Intelligent Decision Support Systems (IDSS)** on 10th May, 2025. This event focused primarily on the research done in the areas of Defence Innovation, Medical Informatics and Smart XR. It brought together academia, industry and users to the discussion table, wherein we explored scalable and affordable technologies through open dialogue and collaboration. There were session talks, AI-based product presentations, panel discussions and lab visits in related areas. The event was successful, with good participation from the related industries.

200 Girls From Rural Maharashtra And Karnataka Participate In IIT Bombay WISE Program

About 200 girls from 68 rural schools across Maharashtra and Karnataka, along with 25 women teachers, participated in the IIT Bombay initiative **WiSE (Women in Science and Engineering from Rural Parts of India)** held during 25th-31st May, 2025, under the leadership of **Prof. Rajesh Zele** (Department of Electrical Engineering).

The program, launched in 2023, aims to inspire 10th-grade girls from rural parts of India to explore STEM, addressing gender gaps in higher education. WiSE was supported by 70+ volunteers and funded by the IEEE Circuits and Systems Society and IIT Bombay.



Each day began with motivating talks by women achievers, known as the 'Winspirers', including:

- **Major Mohini Kulkarni**, an Indian army veteran and author
- **Aparna Popat**, Olympian
- **Laxmi Rao**, (Retd) Judge
- **Dr. Dhanshree Lele**, author, orator and Sanskrit scholar
- **Geeta Tandon**, Bollywood stuntwoman
- **Rutaja Kedare**, psychologist
- **Dr. Ratna Raje**, professor and researcher
- **Kalyani Deopujari**, UAV researcher
- **Varsha Parchure**, social entrepreneur
- **Aabha Chaubal**, photographer and solo traveller
- **Dr. Jahanvi Kedare**, psychiatrist and professor

In the afternoon, participants engaged in *BMP (Break-Make-Program)* sessions using aiCAS Lab kits to build electronic circuits, FM radios, sensor systems and Crab Rovers. Demonstrations included bacterial art, robotic arms and autonomous underwater vehicles (AUVs) from IIT Bombay.

During the Thanksgiving event, WiSE participants showcased their vibrant performances. **Prof. Shireesh Kedare**, Institute Director, along with **Dr. Rajiv Joshi**, IEEE Board member and Prof. Zele, inspired the attendees with their speeches. The organisers extended special thanks to **Mr. T. Gopalakrishna**, Deputy Commissioner of Navodaya Vidyalaya Samiti (NVS), Regional Office, Hyderabad and **Mr. Ravi Lad** of Eklavya Model Residential School (EMRS). To ensure long-term impact, IIT Bombay will continue online mentoring and hold quarterly meetings with students, teachers and parents. The girls were also gifted the technical kits used during the program to foster continued learning and local impact.



IIT Bombay Hosts Science Camp For Visually Impaired Students Across Maharashtra



IIT Bombay student volunteers with the 75th Yusuf Hamied Chemistry Camp participants

In a step towards inclusive science education, IIT Bombay organised the **75th Yusuf Hamied Chemistry Camp** for 59 visually impaired students from government schools across four districts: Mumbai, Pune, Nashik and Solapur during 5th-7th June, 2025.

This initiative was supported by the **Royal Society of Chemistry (RSC)** and funded by a generous donation from Indian business leader, scientist and philanthropist **Dr. Yusuf Hamied**. The camp provided

a first-of-its-kind, hands-on opportunity for visually impaired students to explore the wonders of chemistry through the senses of touch and smell.

This year's camp, developed under the strategic leadership of **Dr. Swetavalli Raghavan**, Head of Innovation Strategy and Government Affairs at the RSC, featured a new module in Braille designed by **Prof. C. Subramanian** (Department of Chemistry) of IIT Bombay.

Institute Colloquium / Lectures



Prof. Narendra Dixit, Professor in Department of Chemical Engineering and Associate Faculty member in the Department of Bioengineering at Indian Institute of Science (IISc) Bengaluru, delivered Prof. C.V. Seshadri Distinguished Institute Lecture titled "*Design principles on immunology*" on 9th April, 2025



Dr. Shivkumar Kalyanaraman, CEO, Anusandhan National Research Foundation (ANRF), delivered an Institute Lecture titled "*ANRF Overview*" on 26th May, 2025

Research in focus

PCOS Likely To Compromise Attention-Based Tasks In Affected Women, Hints A Study



Task-based tests reveal that PCOS impacts women’s focused and divided attention, decreasing speed of response by about 56% and accuracy by about 10%

Polycystic Ovary Syndrome or PCOS is a well-known endocrine disorder in women, with symptoms like irregular or absent periods, polycystic ovaries, and increased levels of male hormone (androgen). While we know that women suffer from these physical conditions, we know less about their mental effects. An earlier research underlines that Indian women with PCOS show an increased level of anxiety and depression. For example, they avoid social events due to the fear of being judged for their weight gain or feel hopeless due to constantly battling irregular periods.

The effect of PCOS on attention is less explored. Attention is the precursor for all vital cognitive processing—receiving, understanding, and making sense of the information. Attention is also a complex process that involves focusing on relevant information and filtering out irrelevant stimuli (focused attention). Divided attention helps us handle and respond to multiple tasks simultaneously.

In their recent study, **Maitreyi Redkar** and **Prof. Azizuddin Khan** from the Psychophysiology Laboratory, Department of Humanities and Social Sciences at the Indian Institute of Technology Bombay (IIT Bombay) assessed the impact of PCOS on focused and divided attention. Two groups of participants, 101 women with PCOS and 72 healthy women, underwent the attention tasks. Their hormonal levels were assessed before the study. The task-based tests showed that women with PCOS are slower to react and more easily distracted than their healthy counterparts.

“The cognitive experiments are specifically designed to capture the subtle millisecond-level differences in how individuals respond to critical stimuli. These minute delays reveal significant impairments in attention, which may impact our real-life functioning. In the specific context of focused attention, it is not just about concentrating on the task at hand to respond at the right time, but also inhibiting irrelevant distractors,” remarks **Prof. Khan**, who led the study.

Researchers used two task-based tests, the Flanker Task and the Posner Cueing Task, to test PCOS and healthy individuals for accuracy and response time (speed). The Flanker Task assesses the participant’s ability to avoid distracting stimuli while focusing only on the important information. *“In this task, the*

participants are instructed to focus on a target stimulus (usually an arrow or a letter) that appears in the middle of a row while ignoring the distracting stimuli on either side (the “flankers”). For example, if the participant is shown “! ! ! ! !”, the middle arrow is easy to identify. However, if they are shown “! ! ! ! !”, the surrounding arrows point the other way, making it harder to concentrate and respond accurately,” adds **Prof. Khan**.

The Posner Cueing task evaluates how quickly the participants focus on the correct spot and how efficiently they shift their focus from the wrong one. The test assesses their divided attention. Participants were asked to focus on the centre of the screen (central fixation point) with two boxes on either side. They receive a cue, such as an arrow or a flash, followed by a target stimulus in one of the boxes. The participants should quickly press the corresponding arrow key. Their reaction times would be quicker if the cue and target appeared on the same box. This task evaluates the speed and accuracy of the participants by studying how quickly they shift their focus between the cue and the target.

Women with PCOS showed over a 50% slower response and made about 10% more errors than the healthy ones in the focused attention test. Similarly, PCOS women performed about 20% slowly, with 3% extra errors in the divided attention task. Among the two types of attention, PCOS women performed poorer in focused attention. The hormonal imbalance associated with PCOS could lead to decreased alertness and longer reaction times. Along with elevated androgen levels, the participants with PCOS had insulin resistance that is linked to attention. Insulin resistance causes poor glucose metabolism and affects brain cell (neuron) activity, leading to poor performance in focused attention tasks.

Mental fatigue linked to PCOS, such as anxiety and frustration, makes divided attention tasks more challenging. The finding of the study highlights that decreased accuracy in divided attention tasks may influence working memory, which hinders holding the information temporarily. This makes daily activities such as keeping track of directions while driving or remembering a phone number to dial more challenging.

“PCOS is a heterogeneous condition, which means that its symptoms and severity vary depending on the hormonal profile, metabolic health, mental health and socio-environmental conditions of the individual. Despite the variability in PCOS symptoms and their severity, the impairments in the core cognitive abilities of attention and processing speed seem to be prevalent across women,” adds **Prof. Khan**.

While the challenges of low accuracy and slow response time seem daunting, there is a light at the end of the tunnel. Playing brain games focusing on attention and memory can improve response time (speed) and accuracy. Relaxation and stress reduction techniques may reduce stress and anxiety and improve focus and speed.

“Increasing physical activity levels, maintaining a nutritious diet, and reducing weight are beneficial not just for PCOS symptoms but also for cognitive health. Even improving sleep hygiene contributes significantly to improving attentional accuracy and reaction time,” suggests **Prof. Khan**.

The findings emphasise the need to understand PCOS as a complex medical condition that not only affects physical but also cognitive health. A comprehensive intervention that addresses diverse aspects, including supportive care, will help the well-being of women with PCOS.

Article written by: Divyapriya Chandrasekaran

Link to published work: <https://bpsmedicine.biomedcentral.com/articles/10.1186/s13030-024-00320-w>

Awards and Distinctions

Prof. Ashutosh Kumar, Department of Biosciences and Bioengineering, has been appointed as the **Vice President** of *National Magnetic Resonance Society (NMRS)*, India

Prof. Gopal Dixit, Department of Physics, has been appointed as **Young Editor** of *Ultrafast Science* journal from Science (AAAS) publication group

Prof. Sadhana Dash, Department of Physics, has been awarded the **Breakthrough Prize in Fundamental Physics, 2025** at CERN

Prof. Basanta K Nandi, Department of Physics, has been awarded the **Breakthrough Prize in Fundamental Physics, 2025** at CERN

Prof. Raghava Varma, Department of Physics, has been awarded the **Breakthrough Prize in Fundamental Physics, 2025** at CERN

Prof. Biplob Banerjee, Centre of Studies in Resources Engineering, has joined as **Associate Editor** for the journal *Pattern Recognition (Elsevier)* and *Information Fusion (Elsevier)*

Prof. Maryam Shojaei Baghini, Department of Electrical Engineering, has been promoted as the Topical Editor for Sensors Applications in *IEEE Sensors journal*

Prof. Varun Bhalerao, Department of Physics, has been selected as an **associate fellow of INSA (2025)** for his sustained important contributions to the study of astrophysical transients and development of space instrumentation

Prof. G.V. Sreekumar, IDC School of Design, authored-chapter titled “*Indian Calligraphy: A living art form shaped by culture and innovation*” in the book “*Akshar Bharati*” edited by Padmashri **Mr. Achyut Palav**, was released by the Chief Minister of Maharashtra **Shri Devendra Fadnavis** in a function held at Jehangir Art Gallery, Mumbai

Prof. Rahul Purwar, Department of Biosciences and Bioengineering, **ImmunoACT (IIT Bombay incubated)** has received **Startup of the Year Award** in Singapore

Prof. Vikram Vishal (Department of Earth Sciences) and **Prof. Arnab Dutta** (Department of Chemistry) along with their team have won the **Avinya’25 Challenge**, India’s premier energy startup competition

Prof. Soumyajit Mukherjee, Department of Earth Sciences, has joined the Editorial Board of the “*Geosciences Journal*” (*Springer*)

Prof. Parthanil Roy, Department of Mathematics, has joined the editorial boards of the “*Statistical Science*” and “*Indian Journal of Pure and Applied Mathematics*” and has been selected to join the “*Scientific Committee of the 7th Institute of Mathematical Statistics – Asia Pacific Rim Meeting (IMS-APRM)*”

Prof. Shankaranarayanan S, (Department of Physics) and his team earned honourable mention for their essay in this year’s **Gravity Research Foundation** essay competition (76th edition)

Prof. Ambarish Kunwar, Department of Biosciences and Bioengineering, has been selected to receive the **Young Investigator Award** to attend the “3rd Annual International Congress on Far-UVC Science and Technology (ICFUST 2025)”, at the University of Colorado in Boulder, USA

Prof. K. Ramasubramanian, Cell for Indian Science and Technology in Sanskrit (CISTS) at Department of Humanities and Social Sciences, has been conferred the prestigious award ‘**Prachya Vidya Vibhooshan**’ for the year 2025 by the Central Sanskrit University, New Delhi, for his outstanding contributions to the promotion and preservation of Sanskrit

Prof. Deepankar Choudhury, Department of Civil Engineering, has received “**Springer Nature Editor of Distinction Award - 2025**” for his significant contributions as the Editor-in Chief (EiC) of *Indian Geotechnical Journal*, published by Springer

Nature, in association with Indian Geotechnical Society (IGS), New Delhi

Prof. Pushpak Bhattacharyya and **Prof. Sunita Sarawagi** from Department of Computer Science and Engineering, have been listed in the **Tech 100: India’s Most Influential People in Tech and Innovation** by *MIT Sloan Management Review India* <https://mitsloanindia.com/tech-100/>

Prof. Ganesh Ramakrishnan, **Prof. Sunita Sarawagi** and **Prof. Preethi Jyothi** from Department of Computer Science and Engineering, have been featured in “**30 Indian Minds Leading the AI Revolution**” list by *Forbes India* <https://www.forbesindia.com/lists/ai-list-2025/>

Publications

Prof. Raghunath Chelakkot, Department of Physics, co-authored paper titled “**Topological dynamics of rapid non-planar gaits in slithering snakes**”, has been published in the *Nature Physics* journal. **Link:** <https://www.nature.com/articles/s41567-025-02835-7>

Prof. Anirban Banerjee, Department of Biosciences and Bioengineering, paper titled “**Host AAA-ATPase VCP/p97 lyses ubiquitinated intracellular bacteria as an innate antimicrobial defence**” has been published in the *Nature Microbiology (2025)*. **Link:** <https://doi.org/10.1038/s41564-025-01984-y>

Conferences

Seed Funding for Collaboration and Partnerships Project (SCPP) - Institution of Eminence (IoE) sponsored Conferences

The **Control and Computing Group**, Department of Electrical Engineering, IIT Bombay, organized a two-day symposium titled “**Current trends in Control and Computing**” during 16th-17th April, 2025. **Prof. Debasattam Pal**, **Prof. Madhu N. Belur** and **Prof. Parthib Khound** were the organizers.

Workshops

The **Shailesh J. Mehta School of Management, IIT Bombay** in association with the **National Entrepreneurship Network (NEN)** organized a workshop on **Faculty Entrepreneurship** on 25th April, 2025. **Prof. Karuna Jain** (Principal Investigator, NEN Project), was the convener.

The **Technocraft Centre for Applied Artificial Intelligence (TCA2I)**, IIT Bombay and the

Department of Telecommunications (DoT), Government of India, organized a workshop on **'Security Trends in Telecom Networks'** on 9th May 2025. **Prof. Manjesh Kumar Hanawal** (PIC, TCA2I) was the convener.

The **Training and Development Cell, IIT Bombay** organized a workshop on the **New Pension Scheme (NPS), Old Pension Scheme (OPS) and Unified Pension Scheme (UPS)** on 4th June, 2025.

The **IIT Bombay Makerspace**, as part of the Institute's ongoing **School Outreach Initiative**, organized a hands-on workshop for Grades 9 to 12 students, focusing on real-world projects in robotics, automation and electromechanical prototyping, during 9th–26th June, 2025. **Prof. Amber Shrivastava** (PIC) was the convener.

The **Training and Development Cell, IIT Bombay** organized a session on **"Leave Travel Concession (LTC) Rules and Travelling Allowance (TA) Rules"** by **Mr. Nafe Singh** on 28th June, 2025

Alumnus News

Dr. Parag Vyas, an adjunct professor at IDC School of Design and alumnus of IDC (MDes and PhD), has been honoured with the prestigious **Golden Ratio Awards 2025** for his Design Studio, for their innovation and impact on society. The awards were co-presented by the Confederation of Indian Industry (CII) and Karnavati University, Gujarat.

The awards ceremony was held on 5th April, 2025 at the Unitedworld Institute of Design, Karnavati University, Gandhinagar campus.



Students News

Dr. Amreen Khan, a postdoctoral fellow under **Prof.**



Rohit Srivastava, Department of Biosciences and Bioengineering, has received **Best Oral Presentation Award** from the American Chemical Society at the **CADDTS-2025: International Conference on "Current**

Advances in Drug Design and Translational Science", organized by the Department of Chemistry, Jamia Millia Islamia, New Delhi, during 26th-28th February, 2025

Dr. Yash Gopal Mittal, a postdoctoral fellow at the



Department of Mechanical Engineering, has won the following two awards:

1. Best Paper Award for the paper entitled **"A Novel Wire Robotic Arrangement for Additive Manufacturing"** at

the 13th International Conference on Precision, Micro, Meso and Nano Engineering (COPEN-13), organized by NIT Calicut, India, during 13th-15th December, 2024

2. Best Paper Award for the paper entitled **"Analysis of Screw Extrusion of Thermoplastics"** at the New Product Development and Smart Manufacturing (NPDSM) Conference, organized by NIT Bhopal, India, during 19th-20th December, 2024

IIT Bombay Student's XR Projects Showcased At Laval Virtual 2025

Under the guidance of **Prof. Jayesh Pillai**, two student projects from the IMXD Lab at the IDC School of Design, IIT Bombay, were selected for **Laval Virtual 2025**. This event is one of the largest XR (Extended Reality) conferences in Europe, held during 9th-11th April, 2025, in France.

Out of 11 student projects chosen globally, the following two representing India were from IIT Bombay:

1. **"STARMAZE: A Cross-device VR Game"**, developed by Hayat Tamboli, Anumeha Patoria, Yashwant Rawat and Tanmay Kuwalekar
2. **"MAUNARAAGAM: A 360 VR Music Video with Spatial Audio"**, developed by Yash Karanjavkar, Namit Tirkey and Sidharth Goutham



Mr. Vineet Ghule, a Dual Degree (BTech + MTech) student at the Department of Electrical Engineering, has earned a **Best Paper Award** for his paper entitled **"Higher Order Time-Frequency Uncertainty Products and Self-Dual Equations"** at the International Conference on Microwave, Optical and Communication Engineering (ICMOCE), School of Electrical and Computer Sciences, IIT Bhubaneswar, Odisha, India, conducted during 23rd-25th May, 2025

IIT Campus School and Junior College Wins Community Champions Sustainability Award



Prof. Nand Kishore, Dean (Administrative Affairs)(center); Mr. Ganesh Bhorkade, Registrar (center); Ms. Valsala Kumari (Principal, IIT Powai Campus School and Junior College) (center) and Geeta D. Shewde, Vice Principal (second from left) with the award

IIT Campus School and Junior College has been honoured with the **Community Champions Award** at the prestigious **Go Sharpener Sustainability Awards 2025**, held at the Radisson Blu Hotel in Mumbai.

This award recognises outstanding efforts in driving sustainable impact at the grassroots level. The Institute is delighted to be acknowledged among India's most forward-thinking and environmentally responsible leaders.

Notification

Prof. Neeraj Kumbhakarna, Department of Mechanical Engineering, has been appointed as new Associate Dean (Infrastructure Planning and Support (IPS) - II w.e.f. 11th April, 2025

Prof. Leena Vachhani, Centre for Systems and Control Engineering, has been appointed as the new Associate Dean (Research and Development) w.e.f. 29th April, 2025

Prof. Nishant Sharma, IDC School Of Design, has been appointed as the new Professor-In-Charge of Society for Innovation and Entrepreneurship (SINE) w.e.f. 06th May, 2025

Prof. Santosh Gharpure, Department of Chemistry, has been appointed as the new Dean (Faculty Affairs) w.e.f. 09th May, 2025

Prof. Sharat Chandran, has been appointed as the new Head of Department of Computer Science and Engineering w.e.f. 15th May, 2025

Prof. Saravanan Vijayakumaran, Department of Electrical Engineering has been appointed as the new Head of Application Software Centre w.e.f. 02nd June, 2025

Prof. Vinish Kathuria, has been appointed as the new Head of Ashank Desai Centre for Policy Studies w.e.f. 05th June, 2025

Prof. Shamik Sen, has been appointed as the new Head of Department of Biosciences and Bioengineering w.e.f. 09th June, 2025

Prof. Aparna Singh, Department of Metallurgical Engineering and Materials Science, has been appointed as the new Convener of Gender Cell w.e.f. 16th June, 2025

Prof. Preeti Raman, Department of Mathematics, has been appointed as the new Co-Convener of the Gender Cell w.e.f. 16th June, 2025

Prof. Sadhana Dash, Department of Physics, has been appointed as the new Chairperson, GATE-JAM 2026

Prof. Dasaka Murty, Department of Civil Engineering, has been appointed as the new Vice-Chairperson, GATE-JAM 2026

Prof. Ranjan Panda, Department of Humanities and Social Sciences, has been appointed as the new Vice-Chairperson, GATE-JAM 2026

Prof. Gurminder Singh, Department of Mechanical Engineering, has been appointed as Associate Warden, Hostel No.15 w.e.f. 12th June, 2025

Obituary

IIT Bombay community is deeply saddened by the passing of:



Dr. M. R. Srinivasan, former Chairman of the Atomic Energy Commission and Secretary, Department of Atomic Energy, passed away on 20th May, 2025, at the age of 95.

Dr. Srinivasan was instrumental in shaping India's nuclear power infrastructure and leading major projects, including the construction of the country's first atomic power station in 1958 and the Madras Atomic Power Station in 1967.

We extend our heartfelt condolences to his daughter Padma Shri **Ms. Sharada Srinivasan** (Distinguished Alumna, BTech, Engineering Physics, 1987) and the entire family.



Dr. Jayant Vishnu Narlikar, a towering figure in Indian science and a long-standing friend and mentor to our Institute, passed away on 20th May, 2025, at the age of 86 years.

Dr. Narlikar was a strong advocate of academic and research programs in astrophysics and maintained a close association with the Institute. He delivered numerous inspiring colloquia at the Institute and served as a mentor and role model to many faculty members and students.

We extend our heartfelt condolences to his daughters **Prof. Geeta Narlikar** (Distinguished Alumna, MSc Chemistry, IIT Bombay, 1992), **Ms. Girija Narlikar** (Distinguished Alumna, BTech Computer Science, IIT Bombay, 1993) and **Ms. Leelavati Narlikar** and the entire Narlikar family.

Appointments



Mr. Venugopala Reddy Tamma, has been appointed as Chief Engineer (Estate Office) w.e.f. 30th May, 2025



Ms. Nutan Agadi, has been appointed as Sr. Technical Officer (Scale A) in the Centre for Research in Nanotechnology and Science (CRNTS)/ Sophisticated Analytical Instrument Facility (SAIF) w.e.f. 13th May, 2025



Dr. Kuru Dindi, has been appointed as Assistant Professor Grade II in the Centre for Technology

Alternatives for Rural Areas w.e.f. 02nd June, 2025

Retirements on 30th April, 2025

Prof. Kavi Arya, Department of Computer Science and Engineering, retired after 24 years of service



Mr. Chander C. Bharbhare, Sr. Multiskilled Assistant, Centre of Studies in Resources Engineering, retired after 35 years of service



Mrs. Manisha Shelke, Multiskilled Assistant C, Hostel No. 11, Centralized Hostel Management System, retired after 34 years of service



Mr. Bhimrao Birare, Helper, Hostel No. 01, Centralized Hostel Management System, retired after 34 years of service



Retirements on 31st May, 2025

Prof. Dhanesh N. Manik, Department of Mechanical Engineering, retired after 33 years of service



Mr. Madhukar P. Jadhav, Security Inspector, Security Section, retired after 22 years of service



Mr. Harishchandra B. Ingle, Administrative Associate (P), Department of Biosciences and Bioengineering, retired after 32 years of service



Mr. Ganpati S. Rathwal, Sr. Security Guard, Security Section, retired after 31 years of service



Mr. Umed M. Solanki, Sr. Multiskilled Assistant, Public Health Office, retired after 26 years of service



Retirements on 30th June, 2025

Prof. Karuna Jain, Shailesh J. Mehta School of Management, retired after 38 years of service



Prof. Jayesh Bellare, Department of Chemical Engineering, retired after 34 years of service



Prof. Sankagiri Umasankar, Department of Physics, retired after 30 years of service



Mr. Sukumaran Karappalayil, Multi Skilled Assistant B, Hostel No – 01, Centralized Hostel Management System, retired after 25 years of service



In the Wilderness



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CEP courses scheduled during July and August and September 2025			
No.	Course Title	Course Coordinator/ Department	Duration
Open Programmes : (July 2025)			
1.	NextGen@IITB	Prof. Usha Ananthakumar, Shailesh J. Mehta School of Management	July 1, 2025 (6 days)
2.	Next-Gen Innovation: AI And Design Thinking And Innovation	Prof. Sandesh Ramu, IDC School of Design	July 5, 2025 (20 days)
3.	Chemical Engineering Refresher Course For RIL Employees	Prof. Rochish Thaokar, Department of Chemical Engineering	July 7, 2025 (8 days)
4.	Transportation Systems And Demand Modelling: Theory And Practice	Prof. Sangram Nirmale, Department of Civil Engineering	July 9, 2025 (3 days)
5.	Redesigning Leadership: Design Thinking Sprint For Senior Leaders	Prof. Nishant Sharma, IDC School of Design	July 14, 2025 (5 days)
6.	Advanced Power Electronics For Solar PV Integration	Prof. Shiladri Chakraborty, Department of Electrical Engineering	July 17, 2025 (3 days)
7.	AI Leadership For Entrepreneurs, Professionals And Executives	Prof. Sandesh Ramu, IDC School of Design	July 19, 2025 (5 months)
8.	Data Visualization	Prof. Anirudha Joshi, IDC School of Design	July 19, 2025 (6 days)
9.	Experiential Learning In Engineering Through Community Engagement	Prof. Priyadarshani Jadhav, Centre for Technology Alternatives for Rural Areas	July 24, 2025 (2 days)
In House Programmes:			
10.	Bituminous And Concrete Pavements For Runway	Prof. Dharamveer Singh, Department of Civil Engineering	July 7, 2025 (2 days)
Open Programmes: (August 2025)			
11.	Fundamentals Of AI For Entrepreneurs, Corporates & Professionals	Prof. Sandesh Ramu, IDC School of Design	August 2, 2025 (2 days)
In House Programmes:			
12.	Quality And Construction Of Bituminous And Concrete Pavements	Prof. Dharamveer Singh, Department of Civil Engineering	August 11, 2025 (3 days)
Open Programmes: (September 2025)			
13.	Gen AI For Business- Women's Special Edition	Prof. Lina Sonne Vyas, Desai Sethi School of Entrepreneurship	September 11, 2025 (3 days)

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