ANNUAL REPORT
2022-2023

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

THE OFFICE OF THE DEAN ALUMNI AND

CORPORATE RELATIONS

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DEAN ACR MESSAGE

Dear Alumni,

Warm greetings from IIT Bombay!

I present our annual report to you with immense gratitude and express my heartfelt appreciation for the critical role your philanthropic contributions have played in the ongoing transformative changes at IIT Bombay.

Your donations have fuelled several cutting-edge Centres of Excellence and Labs, academic and student living infrastructure, and Chair Professorships that honour the groundbreaking research being pursued by our highly accomplished faculty members. Our new generation of researchers, innovators, and thought leaders ideate and innovate new concepts and products that will help in scientific discovery and fuel India's growth toward self-reliance.

The IIT Bombay Heritage Foundation and the IIT Bombay Alumni Association have played an instrumental role in helping the Institute reach the stage at which it is today. On behalf of the entire IIT Bombay community, I extend heartfelt thanks to IITBHF and IITBAA for their benevolence.

As we move forward, I assure you that your contributions to your alma mater are in safe hands. I am also deeply gratified at the impactful strides being made by IIT Bombay's robust alumni community. From leading companies to launching non-profits; pursuing and publishing innovative groundbreaking research; continuing relentlessly on entrepreneurial journeys; providing the world with transformative leadership and to serving local and global communities – IIT Bombay's alumni are the lifeblood of the Institute and continue to make us proud.

Your consistent cheerleading of your alma mater through the years reassures us of our future journey of excellence in academics, research, innovation, and entrepreneurship.

Thank you for your support.

Sincerely,
Prof. Ravindra D. Gudi, Ph.D., FNAE and FIIChE
Dean - Alumni and Corporate Relations
Institute AI & ML Chair Professor

IIT Bombay Clinches the Top Spot in India in the QS World University Rankings in Engineering and Technology by Subject for 2023

IIT Bombay has been ranked first in India and 149th globally in Engineering and Technology by the Quacquarelli Symonds (QS). For the first time, the Institute broke into the top 150 universities in the QS World University Ranking 2024. The Institute ranked first in India and 47th globally in Engineering and Technology in the Quacquarelli Symonds (QS) World University Rankings by Subject for 2023. A total of seven academic programs from the Institute secured a place in the top 100.

2012 Nobel Laureate, Professor Serge Haroche, Delivers the Institute Distinguished Lecture

Professor Serge Haroche, 2012 Nobel Laureate, delivered a distinguished lecture as part of the Quantum Science and Technology workshop organised by IRCC – ICONS 2023 on February 17, 2023, at IIT Bombay. Prof. Hariche discussed his groundbreaking research over the years employing Rydberg atoms in the realm of cavity quantum electrodynamics.

IIT Bombay Launches the Department of Economics on Campus

IIT Bombay launched its new Economics Department with 13 faculty members across varied specializations. The Department will address the growing importance of Economics as a discipline and its emphasis on rigorous quantitative and analytical reasoning. In addition to the existing BS Economics program, a Minor and an Inter-Disciplinary Dual Degree Program (IDDDP) for undergraduates will be designed and offered. Also, an MS in Economics will soon be offered shortly.

FAN 2022 held at Ohio State University

The 2022 edition of the FAN (Faculty Alumni Network) meeting, hosted by IIT Bombay in collaboration with Ohio State University, USA was held in May 2022. The event featured compelling and thought-provoking talks, discussions, and panel sessions on emerging areas of research in science and technology by esteemed dignitaries from all over the world.

FAN 2023 held in Chennai

IIT Bombay hosted the Faculty Alumni Network (FAN) – Distinguished Alumni Meet (DAM) 2023 in March. The FAN-DAM event returned to India after a period of four years and assembled several of IITB's accomplished alumni serving in the industry and academia together with senior administration and faculty from IIT Bombay. Together, they deliberated on several strategic matters related to the growth of the Institute as well as research forays.

IIT Bombay Hosts its First Annual CSR Conclave, Tech for Sustainable Development, 2022

IIT Bombay's Annual Corporate Social Responsibility Conclave 2022, presented diverse R&D projects in critical areas of research including education, healthcare, rural development and agriculture, sustainability, skills and entrepreneurship, women empowerment, social and policy development.

Invention Factory - IIT Bombay Hosts the First Edition of Invention Factory

A Smart Clubfoot Brace, a Hand Pump with an Integrated Water Purification System, and an Active Thermoregulatory Vest were crowned the top three inventions during the grand finale on July 1, 2022, of the Invention Factory Program, a six-week-long ideate-to-prototype-to-pitch initiative funded by the Maker Bhavan Foundation.

IIT Bombay Gen Zero Women Initiative: The Institute Honours Its Women Alumnae in A One-of-a-kind Event

The 'IIT Bombay Gen Zero Women Initiative' honoured and felicitated 30 of its alumnae who represent the initial years of the Institute since its establishment in 1958. A coffee table book and a podcast series highlighting the inspiring journeys of these accomplished women were launched during this occasion. IITB's distinguished alumnus, Mr. D.C. Agrawal, who sponsored the entire initiative joined the celebrations, as well. Padma Shri awardee and former captain of the Indian Women's Cricket Team, Ms. Diana Edulji, and Founder & CEO, Nykaa, Falguni Nayar, presided over the event.

US Roadshow: Delegation from IIT Bombay Meets Alumni in Five American Cities

A delegation from IIT Bombay visited the US for the annual 'US Roadshow,' held in November 2022. The delegation covered a total of 5 cities- Houston, San Francisco, Los Angeles, Seattle, and New York. The delegates met and interacted with over 500 alumni during the visit.

Australia and Singapore Roadshow

The series of alumni meets for 2023 kicked off in Australia (Sydney and Melbourne) and Singapore. The team from IIT Bombay welcomed 35 alumni in Melbourne, 38 in Sydney, and 118 in Singapore. Alumni members ranged across a wide spectrum of batches – from the mid-1960s to the more recent graduates from 2022.

Bengaluru Alumni Meet

IIT Bombay, in collaboration with the IIT Bombay Alumni Association Bengaluru Chapter, hosted an interactive and networking session with its alumni members based in Bengaluru, Karnataka, in November 2022. The event was presided over by IIT Bombay's Distinguished Alumnus, Dr. K Sivan, former chairman of the Indian Space Research Organization (ISRO), and Secretary, Department of Space. IITB alumnus, Mr. Vamsi Krishna, CEO and Co-Founder, Vedantu, encouraged young alums to contribute towards the thriving entrepreneurial ecosystem that IIT Bombay has fostered.

IMPACT OF GIVING

No. of donors
5500+

No. of Centres
15

No. of Students impacted (approx. per year)
650+

No. of Active Projects
280+

Sq.ft of infrastucture supported - Approx.
21 Lakh sq.ft

Chair Professorships
57

Young Faculty Awards - Approx.
90+ Per Year

No. of CSR Projects
160+

No. of CSR Partners
130+

Area funded by Corporates
1.8 Lakh sq.ft

"An impactful activity that ADCPS has organized is four policy dialogues on topics like environmental legislation, drinking water governance, platform/gig economy, and new education policy. These have brought together major stakeholders from academia, government, industry, and civil society and have resulted in the formulation of policy briefs."

- Prof. N C Narayanan,

Professor-In-Charge,
Ashank Desai Centre for Policy Studies

IIT Bombay's newly upgraded Hostel 5 (H5) with modern, improved facilities was inaugurated on July 22, 2022.

Hostels

Hostels hold a special place in a student's life. The Institute has always endeavoured 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. But as IIT Bombay has grown from strength to strength, it has resulted in a massive shortage of hostel rooms due to the increase in student numbers. This resulted in one of IIT Bombay's most ambitious and sprawling undertakings

Project Evergreen

Project Evergreen is a project for IIT Bombay's alumni and it's a project 'of alumni, by alumni and for future alumni.' The groundbreaking ceremony of Project Evergreen was held on June 24, 2023. The Institute, together with the IIT Bombay Alumni Association (IITBAA), envisions Project Evergreen to be an ambitious student accommodation initiative at IIT Bombay's campus. With Project Evergreen, IIT Bombay is taking the lead toward incorporating sustainable measures on campus housing and reduce its own carbon footprint on the planet.

Hostel complex design - H7 |H8 | H21

Already, IIT Bombay's alumni have renovated and refurbished Hostel 5 last year. And today, it boasts freshly painted walls, air-conditioned study rooms, and additional restroom facilities, among other amenities, to ensure a holistic living environment for our present and future students.

Project Evergreen will rebuild Hostels 7 and 8 and build a brand-new Hostel 21 for girls. It has pioneered a new model with its vision and active engagement between alumni, current students, and the Institute's authorities. The end goal is to upgrade and modernize all of the hostel amenities at the Institute.

Academic and research facilities at IIT Bombay

Academic and Research Facilities

Academic and research facilities at IIT Bombay play a crucial role in helping students by providing state-of-the-art resources, tools, and other support for their academic and research endeavours. A wide range of information and resources are provided through libraries, digital databases, journals, and research papers. This enables faculty and students to access scholarly material for their projects, and research.

IIT Bombay is currently revamping its entire curriculum, to transition to a future where 70-80% of its teaching will be practical. This will enable students to grasp unique engineering concepts through hands-on prototyping. To facilitate the same, the Institute continues to set up well-equipped laboratories and research facilities to support various disciplines. The establishment of the Microfactories, Design and Making lab, and Tinkerers lab, represents a significant leap forward in this transformative endeavour and has been very well received by the entire IIT Bombay community.

Inauguration of Class of 1980 Design and Making Lab in Nov'22

Design and Making Labs serve as a vital component of the Institute's broader Makerspace initiative, aimed at providing a comprehensive education to students through exposure to state-of-the-art thematic labs. The establishment of the 'Deepal and Maya Satwalekar Design and Making Lab' was made possible through the generous contribution of Distinguished Alumnus, Mr. Deepak Satwalekar while the 'Class of 1980 Design and Making Lab,' was set up through support from the Class of 1980, as part of their legacy project.

Microfactories established at IIT Bombay

Micro-factories, namely 'Kadayam S. Srinivasan Micro Factory' and the 'Harivallabh Nagar Micro Factory,' are pioneering facilities that mark the initial phase of IIT Bombay's Makerspace initiative. Equipped with state-of-the-art facilities, these micro factories provide students and faculty from diverse departments with unprecedented opportunities to enhance their research studies. It was made possible through support from IIT Bombay alumni, Mr. Balaji Srinivasan and Mr. Sumeet Nagar from the Class of 1993 who have brought this initiative to life.

Arena 95

Basketball has transcended from being just a sport to becoming a vibrant culture in its own right at IIT Bombay. Within the institute, a spirited community of basketball players thrives, dedicating their days to the enjoyment and practice of the game. The Class of 1995, boasting numerous passionate alumni who share a common fervour for the sport, came together to support the growth and upkeep of one of the Institute's sprawling indoor basketball courts. In recognition of their exceptional generosity, the basketball court was officially renamed as the 'Arena 95- Class of 1995 Basketball Court.'

Arena 95

Cafe '92

Café 92 offers a space where students can take a break from their academic responsibilities, relax, and unwind. Enjoying a cup of coffee or engaging in casual conversations with friends can help reduce stress levels and promote mental well-being. It also serves as a common meeting place for students to work on group projects, exchange ideas, and engage in academic discussions. The casual ambiance of a café facilitates communication and fosters teamwork among students. It allows them to take a break from their routines and helps their creativity and productivity. Café 92 was set up on campus through a generous donation from the Class of 92 as part of their Legacy Project. Café 92 saw a massive footfall last year and it has, since, become a hotspot among the students.

Cafe' 92

Desai Sethi School of Entrepreneurship (DSSE)

Desai Sethi School of Entrepreneurship (DSSE)

The DSSE new building groundbreaking ceremony was on Dec 1, 2022, at IIT Bombay. Supported by a generous donation from Distinguished Alumnus Mr. Bharat Desai (B.Tech., Electrical Engineering, 1975) and Ms. Neerja Sethi, the facility aims to foster innovation and entrepreneurship at IIT Bombay. It will house labs for testing, research, and idea validation. Progress includes excavation, foundation, tree work, retaining wall, and slab casting. Current focus is on columns, waterproofing, and ongoing construction.

Humanities & Social Sciences (HSS) Annex Building

Humanities & Social Sciences (HSS) Annex Building

IIT Bombay had a groundbreaking ceremony for the new HSS Annex Building on August 24, 2022. Alumnus Mr. Abhay Pandey (B.Tech., Computer Science, 1993) and Dr. Sharad Saraf (B.Tech, EE, '69), Chairperson, Board of Governors and a Distinguished Alumnus, along with Distinguished Alumnus Mr. Sudarshan Saraf (B.Tech., Mech. Engg. and Manuf. Engg, 1970), owners of Technocraft Industries India Ltd., generously supported the project. The terrace slab was successfully cast on September 20th and 21st, 2023. Ongoing activities include reinforcing columns above the terrace and parapet wall, and progressing AAC block masonry work on the first, second, and third levels, as well as the shuttering and reinforcement of the connecting bridge.

Academic Buildings 1 & 2

Academic Buildings 1 & 2

The Academic Buildings will house several centres as well as academic and research facilities of IIT Bombay. These include: Centre for Machine Intelligence and Data Science (C-MInDS); Koita Centre for Digital Health (KDCH); Ashank Desai Centre for Policy Studies (ADCPS); Department of Chemical Engineering; Department of Earth Sciences; Department of Mechanical Engineering; Centre for Climate Studies; Department of Physics; Department of Metallurgical Engineering and Material Science; Systems and Control Engineering and Industrial Engineering and Operations Research.

Prof. S. P. Sukhatme establishing a Chair Professorship

Teacher's Day Celebrations 2003

Chair Professorship

IIT Bombay offers diverse academic programs and research opportunities to faculty across multiple disciplines. The Chair Professorship is a prestigious position awarded to accomplished academicians and researchers for significant contributions to their fields. Chair Professors are expected to greatly contribute to teaching, research, and overall academic development within their department and the Institute. Currently, IIT Bombay has 57 Named Chair Professorships, with nine new ones established in the financial year 2022-23. These cover areas such as Human Centric Design, AI/ML, Statistics and Mathematics, Climate Studies, Steel, Teaching Methods, Digital Trust, Civil Engineering, and Chemistry.

Faculty Awards

IIT Bombay confers various faculty awards to celebrate the unique contribution of some of the finest teachers and researchers in the country. It honours them for their stellar teaching and their contribution to research in emerging areas of science and technology. The awards and their respective awardees include:

- **Prof. V.S. Raja was awarded the Prof. H. H. Mathur Award** for research in Corrosion Mechanisms and Materials Development in Applied Sciences.

- **Prof. Devang V. Khakhar was honored with**

The Institute's Lifetime Achievement Award

Teacher's Day celebrations, 2023

The Excellence in Teaching Awards

Young Faculty Awards

the Institute's Lifetime Achievement Award for his significant contributions as the former Head of Dept. of Chemical Engineering and Director of IIT Bombay.

- **The Prof. Jagmohan Award in Mechanical Engineering was granted to Prof. Avinash Bhardwaj and Prof. R.P. Vedula.**

- **Prof. Abhijit Gogulpati received the Shri. D. P. Joshi Award in Mechanical and Aerospace Engineering.**

- **Prof Prabhu Ramachandran and Prof Shashi Ranjan Kumar were awarded the Shri. Hotchand Lala and Smt. Jamunabai Lala awards in Aerospace Engineering.**

- **15 faculty members received the Prof. S.P. Sukhatme Excellence in Teaching Award,** and 2 faculty members were honored with the Dr. PK Patwardhan Award.

- **Prof. Samir Maji and Prof. Debabrata Maiti were awarded the S. C. Bhattacharya Award for Excellence in Pure Sciences 2022** for their pioneering work in Protein Aggregation, Biochemistry, Biophysics, and Bio-inspired catalysis, Green Synthesis, C-H activation, and Photocatalysis respectively.

Young Faculty Award (YFA)

The objective of the YFA is to assist the Institute in attracting and recruiting exceptional faculty to join IIT Bombay's prestigious faculty body and support its pursuit of excellence in research and academics. The "Young Faculty Joining Bonus"(initially a Class of '82 Legacy Project) has been awarded to faculty since 2010. It is now supported by all batches. For the financial year 2022-23, 93 faculty members received the YFA award.

"The Design and Making Lab at IIT Bombay changed my education in an amazing way. It gave me a place to be creative and explore new ideas. The lab staff and teachers guided me and helped me learn about design and making. I got to use the latest tools and technology, which made it feel like a real job. I also learned by trying things out and learning from my mistakes."

- Arnav Gupta,
Student at IIT Bombay

At the heart of IIT Bombay's vision lies a deep commitment to student development. Recognizing that education encompasses more than academic excellence, the Institute has established a range of programs aimed at nurturing students' emotional well-being while also making a positive impact on society.

Students of IIT Bombay

Scholarships For Undergraduate Students

Scholarships are financial aid awards that are designed to help students pay for an undergraduate program at IIT Bombay. Scholarships differ from student loans in that they do not have to be repaid. Scholarships are based on merit and need, and ensure that qualifying students can access world class education, despite financial constraints. For the academic year 22-23, a total of Rs 6,36,48,000 was disbursed among 234 undergraduate students, and supported by 128 donors under Named Scholarships.

Financial Aid Program

The Financial Aid Program (FAP) is a 16-year-old honour-based system of sustainable peer-to-peer support that provides merit and need-based scholarships to all UG and PG students of IIT Bombay. FAP covers the entire registration fee of students including tuition fees, mess bills, etc. Students who receive financial aid pay it back in the form of a donation once they graduate, which is then allocated to the next student who needs assistance. A total of 191 students were supported through this program, with approximately Rs 85 lakhs spent on semester fees and Rs 39 lakhs on mess fees.

Awards and Fellowships

The Dean ACR office recognises students who excel academically and contribute to society by awarding them with scholarships, awards, and fellowship programs. The Dean ACR office also supports students through sponsored fellowships for postgraduate and Ph.D. students to promote industry-academia partnerships for R&D. Around 25 fellowships were awarded to M. Tech. and Ph.D. students working on emerging areas of innovation.

To recognize excellence in academics and research, IIT Bombay rewards the on-roll and graduating students with awards, prizes, and medals during the convocation ceremony every year. For FY 22-23, around 110 students received awards for their excellence during the 60th convocation ceremony, held in August 2022.

Travel Grants

With the help of travel grants provided by IIT Bombay, undergraduate students get the opportunity to attend international conferences and collaborate with experts in their field. This exposure broadens their perspective and inspires them to think innovatively, pushing the boundaries of their academic pursuits. For the academic year 22-23, around 15 undergraduate students were supported with international conference travel grants.

IT Hardware Program

IT Hardware Program

IIT Bombay supports needy students with the necessary resources for their education. Through its IT Hardware program, financially constrained students receive state-of-the-art technology and software tools, enabling them to excel in their studies and research. A total of 51 undergraduate students were supported financially for their IT hardware needs during the academic year 2022-23 and a total of 1100 students have been supported to date.

Building a Supportive Community

As students settle into campus life, IIT Bombay's commitment to student development extends far beyond financial assistance. Students become a part of the Institute's close-knit community, where faculty, staff, and fellow students foster an environment of empathy, care, and support.

Student Wellness Program

Recognizing the importance of their emotional well-being, IIT Bombay offers a range of student wellness programs. Students are encouraged to participate in workshops and counselling sessions designed to help them manage stress, build resilience, and maintain a healthy work-life balance. Through these programs, students gain valuable life skills that go beyond the classroom.

Empathy and Social Responsibility

In addition to nurturing their well-being, IIT Bombay encourages students to actively engage with society. Students are encouraged to get involved in the Institute's outreach initiatives, where they can volunteer their time and skills to help those in need from nearby communities. This hands-on experience opens their eyes to the realities faced by marginalized individuals and strengthens their sense of social responsibility.

Paying It Forward

A student's transformative journey at IIT Bombay comes full circle when he/she decides to give back to the Institute's student development programs. He/she becomes a mentor to incoming students, offering guidance and support to those who face similar challenges that he/she once did.

"I am writing to express my sincere gratitude to you for awarding me the Ajay Gupta Scholarship. I have a four-member family, which consists of my parents and a younger sibling. My father is the only earning member of the family, he owns a small business, whereas my mother is a housewife. The help of any kind always keeps you going, and the extent of the help which I have received cannot be expressed in words. The scholarship motivates me to put my best effort into academics and other aspects of the Institute's curriculum."

- Sayan Vishwakarma,
a student at IIT Bombay

CENTRES OF EXCELLENCE (CoE)

The Institute has established several Centres of Excellence (CoE) that will allow IIT Bombay to take the lead in emerging technologies in the country and help in nation-building.

Sunita Sanghi Centre of Aging & Neurodegenerative Diseases

SCAN

Sunita Sanghi Centre of Aging & Neurodegenerative Diseases (SCAN) focuses on diagnostics and early detection of aging and neurodegenerative diseases and movement support. The Centre was launched last year.

IIT Bombay establishes Trust Lab to make India Digitally Secure

IITB Trust Lab

IITB Trust Lab is a pioneering initiative to foster trust in the digital realm and promote secure and responsible digital practices in India and beyond. The lab is a vibrant hub of research, innovation, and learning that addresses some of the most pressing challenges facing the digital world today.

IIT Bombay launches Koita Centre for Digital Health

KCDH

The Koita Centre for Digital Health (KCDH) focused on driving academic programs, research, and industry collaborations in Digital Health. KCDH addresses the need for engineering, clinical professionals, and entrepreneurs in Digital Health and creates research and employment opportunities in this domain.

Virtual event for ADCPS

ADCPS

The Ashank Desai Centre for Policy Studies (ADCPS) encourages a sustained dialogue between academia and other policy stakeholders to promote evidence-informed and inclusive policy-making and analysis; and create capacity for policy studies in the country.

Technocraft Centre for Applied Artificial Intelligence (TCA2I)

C-MInDS and TCA2I

The Centre for Machine Intelligence and Data Science (C-MInDS) and 'Technocraft Centre for Applied Artificial Intelligence (TCA2I)' have been set up to contribute towards the growing significance of the role of Artificial Intelligence, Data Science, and related areas in different applications domains.

The Institute's existing Centres continue to pursue path-breaking and impactful work. Some of these include:

WRCB team

WRCB

Wadhwani Research Centre for Bioengineering (WRCB) is an inter-departmental virtual centre at IIT Bombay which supports technology translation and commercialization in the four core focus areas of Diagnostics, Therapeutics, MedTech, and Synthetic Biology.

PPCCLT inaugration

PPCCLT

Parimal and Pramod Chaudhari Centre for Learning and Teaching (PPCCLT) fosters innovative, collaborative, and evidence-based effective teaching-learning practices for effective learning.

HDFC ERGO IIT Bombay

HDFC ERGO IIT Bombay

The HDFC ERGO IIT Bombay serves as a dynamic platform for fostering innovation, research, and development in the insurance industry. Through its research outcomes, collaborations, and support for start-ups, the lab spearheads the adoption of innovative solutions that enhance underwriting, claims processing, risk management, and customer engagement.

The Bank of Baroda IIT Bombay Innovation Centre

The Bank of Baroda Innovation Centre

The Bank of Baroda IIT Bombay Innovation Centre serves as a vibrant platform for fostering innovation, research, and development in the banking and financial technology (fintech) sectors. It evaluates and adopts emerging technologies, develops a culture of Innovation, fosters innovations in the financial hardware space, and contributes to the bank's digital strategy.

Alumni Continuing Education program

PCACEC

Pramod Chaudhari Alumni Continuing Education Centre (PCACEC) continues to offer programs as part of the Alumni Continuing Education program.

Innovations meeting resource-limited community needs

TCTD

Tata Centre for Technology and Design (TCTD) designs technology solutions that address the unmet needs of resource-constrained communities, both within India and across the world. Using an end-to-end innovation approach, TCTD acts as a virtual centre with research and academic components and draws faculty members and graduate students from various units across IIT Bombay.

CoE-OGE Staff and Advisory Committee Members

CoE-OGE

Centre of Excellence in Oil, Gas, and Energy (CoE-OGE) takes up research topics selected by India's oil and gas companies. CoE-OGE is funded by Indian public sector companies engaged in upstream, midstream, and downstream activities in the Oil, Gas, and Petrochemical Sectors.

With the new strategic Centres in place, the Institute is constructing buildings that can host several research programs/collaborations. Dedicated spaces are being created on campus including academic buildings which will host C-MInDS, JSW, KCDH, and ADCPS. Also, the Desai Sethi School of Entrepreneurship (DSSE) and the Humanities and Social Sciences (HSS) Annex will amplify the current activities of the centres/departments.
IIT Bombay is also establishing specialized research facilities like the Good Manufacturing Practices Lab, Cryogenics Lab, and Conversational AI Lab.

The Wadhwani Research Centre for Bioengineering (WRCB) of IIT Bombay, set up in 2014, has been doing outstanding work in translating academic research into marketable products and technologies to have a social impact. WRCB has succeeded in seeding translational research in nine departments of the Institute by way of 86 funded projects. Some of these projects took the commercialization path resulting in 10 start-ups and many licensing agreements with relevant industries.

- Prof. Debjani Paul,

Department of biosciences and Bioengineering

The innovation eco-system at IIT Bombay continues to evolve and currently includes a school of entrepreneurship, an incubator and several accelerators. The programs supporting entrepreneurship on campus include:

Desai Sethi School of Entrepreneurship (DSSE)

Desai Sethi School of Entrepreneurship (DSSE)

The DSSE was established by alumni support to offer academic programs on innovation and entrepreneurship with the relevant content, context, and contacts for aspiring students, that help strengthen the startup ecosystem in India.

Society of Innovation & Entrepreneurship (SINE)

Society of Innovation & Entrepreneurship (SINE)

The SINE is a technology business incubator that has been active for the last 17 years. Its primary focus has been to provide an environment that can translate knowledge and innovation into creating the next generation of entrepreneurs who can solve some of the complex problems in India and the world. It has successfully graduated 220+ startups that have cumulatively raised a market capital of **INR 6,224 Cr.**

CAR-T Cell Technology

Immunotherapy, a promising approach to cancer treatment, strengthens the patient's immune system to target and eliminate cancer cells. It is a less invasive alternative to surgery, chemotherapy, and radiation therapy, and has shown potential in reducing cancer relapse. In a significant development, a team of scientists from the Department of Biosciences and Bioengineering at IIT Bombay has developed India's first gene therapy known as CAR-T cell therapy. This therapy combines gene therapy and cell therapy to modify immune cells, empowering them to recognize and destroy cancer cells.

Cutting-Edge CO2 Mitigation Strategies

The accelerated industrialization and cumulative energy demand with time has led to excessive use of conventional fossil fuels that result in an upsurge in carbon dioxide (CO2) emission (~36.0 billion tons/year). There is an urgent need to lower the CO2 emission rate and remove a significant amount of existing CO2 from the atmosphere to attain a safer and sustainable atmosphere. The IIT Bombay research team has actively sought viable remedies for mitigating the carbon footprint in the atmosphere. The team from the Institute has developed innovative solutions to establish a practical model of CO2 capture, utilization, and sequestration (CCUS) strategy. The primary strategy is to ensure the eradication of CO2 from the atmosphere and convert it to benign products with minimal environmental effects.
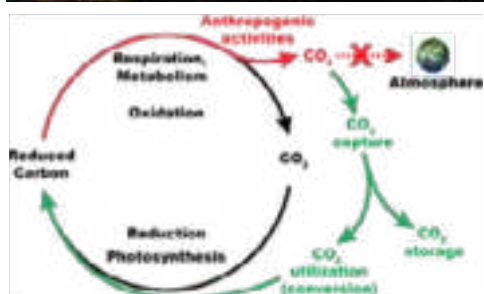
Remote Intelligent Observation System (RIOS) project: Patient Monitoring through AI

During the acute surge of COVID pandemic cases, the toughest task was to allocate human resources to Health Care Workers (HCWs) for managing cases. This acute crunch in resources was out of proportion to what was required to manage the patient load. The COVID-19 warriors experienced a firsthand need for mitigating the shortcomings of traditional triage procedures with an efficient and affordable support system. This gave birth to the Remote Intelligent Observation System (RIOS). The aim of RIOS was to come up with proof-of-concept and working prototypes for an economical and user-friendly solution to the above problem. AI models have the potential to use patient care data to aid clinical decision-making by informing ICU resource allocation and recognizing mortality/morbidity scenarios earlier and faster. Through this digital strategy of bringing AI to the ICU, the idea was to increase the availability of caregivers and devices. The RIOS project is an excellent example of how hospitals with limited funds and resources can be supported by low-cost digital technologies.

GROWTH-India Telescope

The GROWTH-India Telescope (GIT) is India's first and only, fully robotic research observatory, located on Mount Saraswati at the Indian Astronomical Observatory (Hanle). IIT Bombay and the Indian Institute of Astrophysics, Bangalore, partnered in 2018 to set up the observatory. It is designed to handle all routine operations autonomously. The observatory creates a list of targets every afternoon, and the control computer calculates an observing schedule, acquiring data, downloading, and processing it so that all key information is available at its fingertips in the morning. The students at the observatory have been continuously working on the systems making them smarter, more efficient, and more robust.

*I am writing to express my sincere gratitude to you for awarding me the Atul &
Kalpana Thakkar Scholarship. I was very happy and appreciative to learn that I was
selected as the recipient of your scholarship. I'm from Jhunjhunu, Rajasthan and we
are four family members in our family. This scholarship has always encouraged me
to focus on my academics rather than thinking about the financial stuff, and how to
pay the semester fee. It's helping many students like me.*

- Nutan Choudhary,

a student at IIT Bombay

Batch Legacy Impact

The Batch Legacy Project is a tradition of giving at IIT Bombay where alumni come together during their reunions to support critical causes at the Institute.

Over the years, IIT Bombay's alumni have rallied behind a diverse range of causes at their alma mater. These include improving hostel infrastructure, providing scholarships, and establishing state-of-the-art facilities such as lecture halls, laboratories, sports courts, and cafés. They also support the establishment of CoEs and initiatives that foster entrepreneurship and innovation.

So far, the collective efforts of alumni have resulted in pledges of over Rs 200 crores, allocated to upwards of 35 projects.

The significance of alumni funding became even more apparent during the peak of the pandemic when the Institute faced unprecedented challenges. Alumni funded the vaccination of staff members who couldn't afford it and demonstrated their solidarity and commitment to the Institute community's well-being and safety.

In 2023, several batches returned to campus as part of their reunions to witness the results of their contributions. They inaugurated the facilities they had funded such as the Design and Making Lab, Basketball Court, and Makerspace Micro-factories. IITB alumni's collective impact extends far beyond monetary contributions, as they also contribute their time, expertise, and networks to ensure the success of these projects.

Institute's alumni have rallied behind a diverse range of causes

IIT Bombay partnered with corporates to achieve their CSR goals

Corporate Social Partnerships in FY 22-23

The Institute helped recognize companies that excelled in various areas such as education and skill training, women empowerment and child welfare, environment, agriculture and rural development, and health and sanitation.

The Institute partnered with **25 corporates**. Through these partnerships, IIT Bombay was successful in:

- Designing a system to quickly detect, analyze, block, and contain malware attacks

- Developing low-cost and energy-efficient water distribution systems for both rural and urban areas

- Identifying sustainable practices in road development and maintenance.

- Developing high-resolution hydroclimate modelling and learning mathematics through narrative

- Constructing a sophisticated Biosafety Level 3 Good Manufacturing Practice (GMP) Lab for translational research and manufacturing materials for human clinical trials

- Establishing a high-end metabolomics facility for bioenergy research and human diagnostics

- Pursuing and promoting research in Artificial Intelligence, leadership in Machine Intelligence and Data Science, and academic outreach

- Pursuing research on Direct Air Capture and CO2 conversion using synthetic and biological techniques

- Developing a protocol for bee box monitoring and honey traceability study

"I am extremely grateful to Shri Himanshu Patel who has the vision for an Aatman Nirbhar Bharat in funding this Chair for Applied Biosciences in the Department of Biosciences and Bioengineering! This Chair position will encourage many of our Dept faculty to work in translational technologies and I am extremely delighted to be the first recipient of this prestigious Chair in the Institute! I look forward to continuing the development and commercialization of affordable medical devices to cater to the rural population of India!"

- Prof. Rohit Srivastava,
Head of Department of Biosciences and Bioengineering

A total of Rs 180 crores were raised in FY 22-23, as compared to Rs. 114 crs in the previous year. Funds raised over the past six years is presented below.

Funds Raised Across the Years

Year	Amount
2017-2018	18
2018-2019	37
2019-2020	58
2020-2021	77
2021-2022	114
2022-2023	180

AMOUNT IN INR CRORES
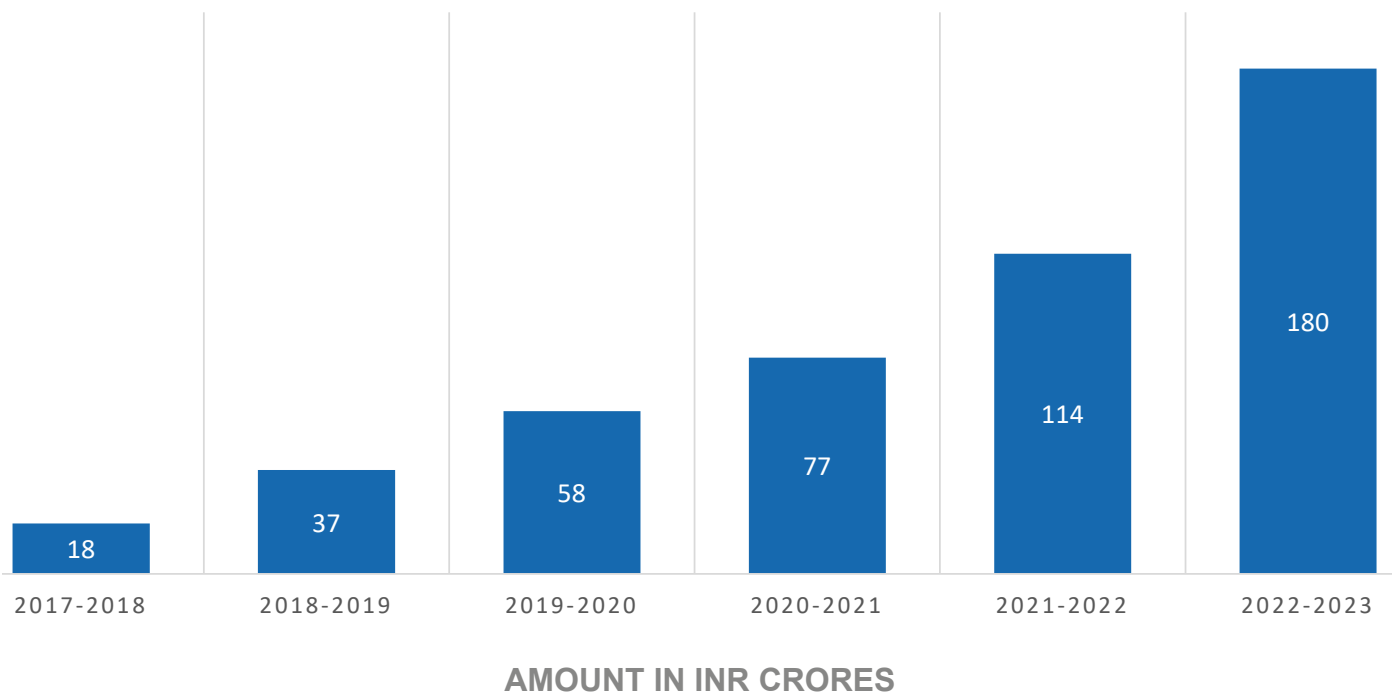
Distribution by Purpose

The funds raised were used for several causes including Student Housing; building Centres of Excellence and Research Labs; Faculty Awards, Chair Professorships, Wellness Funds, Institute Development, Batch Legacy projects, and more. The distribution is shown below.

- Centres of Excellence
- Research Project
- Research Labs
- Institute Development
- Faculty Chairs & Awards
- Batch Legacy
- Student Housing
- Others
- Student Aid
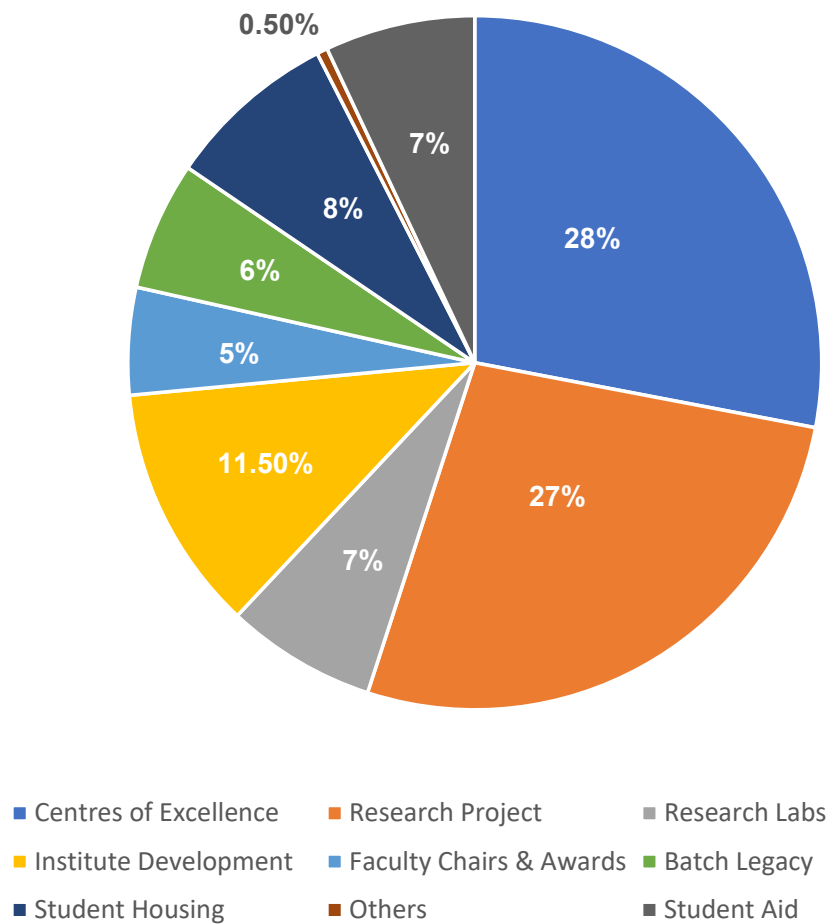
Distribution by Donor Type

The funds were collected through a variety of donors including corporates, high-net-worth individuals, and legacy batches of IIT Bombay. The distribution across these donors is shown below.

■ Individual   ■ Batch Legacy   ■ Corporate
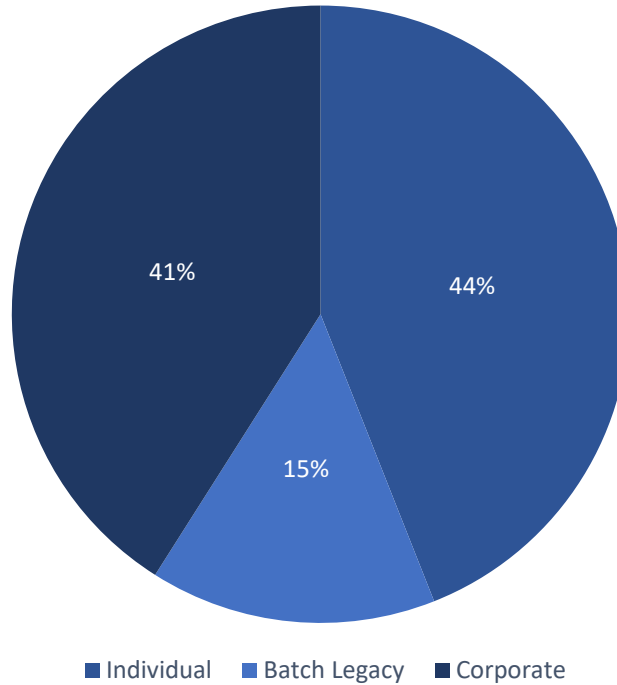
Distribution by Country

The funds were largely raised in India and the USA (through the IIT Bombay Heritage Foundation). The distribution of the two is shown below.

The Development and Relations Foundation (DRF) is a not-for-profit section 8 unit set up by the Dean ACR office. DRF assists Dean ACR's fundraising endeavours by way of donor solicitations, managing donor programs, maintaining financial accounts and reporting details of all activities implemented with alumni donations. The six major verticals of DRF team. include:

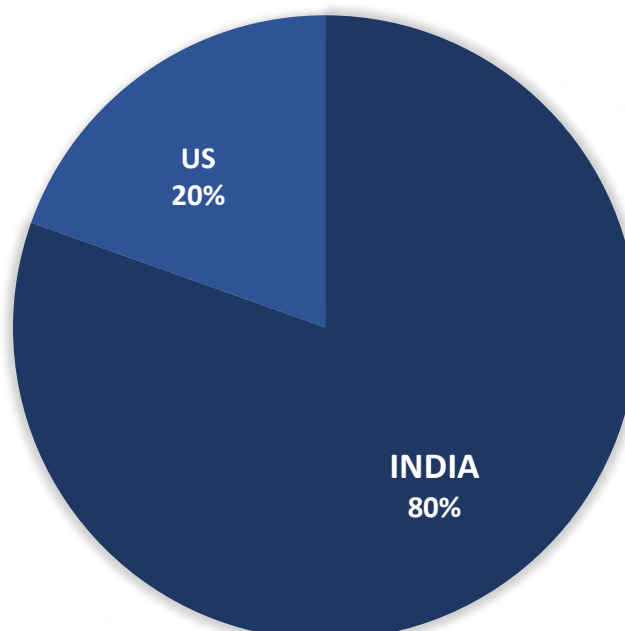**Alumni Relations:** The Alumni Relations team facilitates strong bonds between the Institute and its alumni. The team's key responsibility is to encourage alumni to remain connected and give back to their alma mater. A dedicated team actively works towards involving alumni in several important initiatives at the Institute. This includes campus events, reunions, and volunteer programs, amongst others.

Corporate Relations: Builds connections with corporates and encourages them to collaborate with IIT Bombay for societal impact. The team guides corporates on ways they can fulfill their CSR requirements by partnering with IIT Bombay to develop technological solutions that can address wide-ranging national and global challenges.

Finance:

The finance team plays a pivotal role in ensuring the smooth flow and allocation of funds within the organization. Collaborating closely with the donor engagement team, they manage the funds received from donors. Their partnership with the project management team facilitates the allocation of these funds to their designated projects and provides crucial support for preparing the fund utilisation report. They also assist in navigating the intricate 80G processes for donors.

Marketing and Communications: The team's key responsibility includes leveraging various forms of communication to keep alumni as well as the general public updated about the Institute's milestones and as its important initiatives and activities.

Operations: Provides strategic and tactical support to enable the activities across the various verticals at the Dean ACR office. The team manages the IT infrastructure, payment backbone, human resources, databases and digital interface with alumni & corporations.

Project Management: An important channel that connects the Institute with its internal (faculty of academic departments and Centres of Excellence) and external (alumni donors) stakeholders. The team monitors the progress of the projects and updates involved parties; coordinates with various groups etc.

ANNEXURE

In FY 22-23, 100% of the eligible applicants with the merit-cum-means criteria received a scholarship. The scholarship recipient summary across departments, programs, gender and year of study is provided below.

a. Department and Program-wise break-up of recipients:

Department	Program				Grand Total
	B.Des.	B.Tech	BS.	Dual Degree (B.Tech +M.Tech)	
Aerospace Engg.		24			24
CESE				4	4
Chemical Engg.		32			32
Chemistry			7		7
Civil Engg.		29			29
Computer Science and Engg.		20			20
Electrical Engg.		12		9	21
Energy Science and Engineering		2		6	8
Engg. Physics		4		1	5
Humanities and Social Sciences		1	4		5
Industrial Design Centre	8				8
Mathematics			7		7
Mechanical Engg.		35		7	42
MEMS		21		1	22
Grand Total	**8**	**-18**	**18**	**28**	**234**

b. Year of study and Program-wise break-up of number of recipients:

Year of Study	Program				Grand Total
	B.Des.	*B.Tech*	*BS.*	*Dual Degree (B.Tech +M.Tech)*	
1st Year	5	32	2	1	40
2nd Year	3	72	7	10	92
3rd Year		55	6	8	69
4th Year		21	3	9	33
Grand Total	**8**	**180**	**18**	**28**	**234**

STUDENT AWARDS

A total of 58 awards were provided to 113 students.
Department-wise break-up of awards is provided below:

Department	Number of Awards
Chemistry	2
Civil	8
Physics	4
Chemical	7
Electrical	6
Earth Sciences	1
Mathematics	5
Biosciences and Bioengineering	2
Mechanical	3
Computer Sciences	1
Metallurgical Engineering & Material Sciences	3
Industrial Engineering and Operations Research	2
School of Management	2
Energy Sciences & Engineering	2
Humanities and Social Sciences	1
Computer Sciences/Electrical	1
Environmental Science and Engineering	1
Any Dept.	7
Total	58

The list of awards and awardees for the academic year 2022-23 is listed below:

Sr. No.	Award Name	Awardee
01	Ajit Shelat Gold Medal For Best Acd. Per	Rupak Kundu Nishant Saurabh
02	Prof. Hira Lal Memorial Award	Sagnik Chatterjee
03	Kanitkar Merit Award	Bhuvan Aggarwal
04	Dr. Gargi Vishnoi Memorial Prize	Navalkar Ambuja Pradip
05	Prof. K. C. Khilar Prize Excl. PhD & Maste	Farha Naaz Ginoya Darshak Shashikantbhai
06	Prof. R. P. Singh Memorial Prize	Siddharth Tiwary
07	Prof. A.B. Biswas Memorial Award	Sagnik Chatterjee
08	Dilip R. Limaye Academic Excellence Award	Mohammad Ali Rehan
09	Bhavesh Gandhi Memorial Fellowship	Katha Ganguly Vaibhav Pachaulee Vaidya Mithilesh Mandar

10	Malini Vyavahare (Indore) Memorial Award	Suhasinee Jain
11	Prof. S.N. Sinha Memorial Award/Mems Dept	Atharva Arvind Lokhande
12	K. Seshia Research Excellence Award	Sankalp Gambhir Gattu Mytraya Guru Kalyan Jayasingh
13	Hindi Vidya Bhavan Gold Medal	Divyansh Sood
14	Prof. Madhav Kulkarni Lt.Col. Gold Medal	Jaymal A. Lodha
15	A Parthasarathy -Ganapathy Shanmugam Excellence Award In Sedimentology And Petroleum Geology	Prakhar Agarwal
16	Late Prof R Subrahmonia Ayyar Academic Excellence Award	Vivitsa Jain Kumari Prerna Mallik
17	Praj Industries	Sanidhya Anand Amit Vivek Joshi
18	IEOR Alumnus Endowment: Excellence In Doctoral Dissertation Award	Sandhya Tripathi
19	IEOR Alumnus Endowment: Best Masters' Thesis Award	Akshat Bansal Ankita Prasad

20	Baishnab And Kasturi Acad Excellence Award	Bishal Pandey
21	Ramesh Chandra Sinha Academic Excellence Award	Shreya Pathak
22	Manorama Sinha Academic Excellence Award	B. Priyanka
23	Mrs. Charusheela Dange Award-Engg Physics	Himansh Rathore
24	Smt. Jayalakshmi & Sri R. Narasimhan Award	Ritik Dhalwani
25	Smt. Andal & Sri N.P. Narayanan Award	Sautrik Chaudhuri
26	Indira Manudhane Student Excellence Award	Arjun Varun Yennemadi
27	Late Akshay Dhoke Memorial Award	Koustav Jana
28	Mrs. Rama Mathur Memorial Prize	Ujjwal Kumar Sana Poonam Nayak
29	Tulsiram Devidayal Prize	Dhisale Manthan Nitin

30	Prof. M.N. Gopalan Prize (M.Sc.)	Raika Saha
31	Prof. K. C. Mukherji Memorial Prize/Award	Parth Nilesh Dodhia
32	Shri Ashok Chaturvedi Memorial Prize	Dhisale Manthan Nitin
33	Chandrashekhar Prize	Diptashree Banerjee
34	Prabhulal Bhatnagar Memorial Prize	Ruma Rani Maity
35	Shri R Vembu Iyer Memorial Prize	Ashwini Kumar Chandan Pradhan
36	Shubhada Mulekar Joshi Award	Shreya Chakraborty
37	Digamber & Nilima Joshi Award	Tsering Nurboo
38	Late Pranab Ranjan Sen Award (M. Tech. Thesis)	Aditya Nishith Shah
39	Dr.P.V. Sukhatme Prize	Ujjwal Kumar Sana Akash Biswal Raika Saha Indraneel Mukhopadhyaya
40	R. G. Manudhane PhD Excellence Award	Annesha Sengupta Damini Jaiswal
41	R. G. Manudhane M. Tech Student Excellence Award Best M. Tech. Thesis	Patel Janak Maheshbhai Shrita Singh

42	S. C. Mehrotra Award In Civil Engg.	Rishabh Sharaff Sunandinee Mehra Bhuvan Aggarwal
43	Naik And Rastogi Award For Excellence In PhD Research	Abhinav Sinha Amlan Barai Arpan Pradhan Devyani Varshney Deepak Gupta Sai Krishna Reddy Adapa Arnab Dey Jayeeta Saha Sourav Dey Pawar Nishant Mukund Prashant Motwani Aatish Anshuman Saptarshi Sarkar Sarigamala Karthik Kiran Tathagata Roy Choudhury Aditya Dilip Chaudhari Kota Srinivas Reddy Lashkare Sandip Gangadharrao Dhiman Nag Kaustav Dey Sheetal Jain Divyamahalakshmi M Aparajita Singh Sushruth Ravish Bappa Bisai Jadhav Ravi Sudam Vijai Laxmi Gulshan Kumar Baloji Adothu Chanchal Kumar Barman Suryawanshi Pravin Dhondiba Pisharody Lakshmi Krishnakumar Subhadip Dey Mohammed Rayyan Sheriff Jeetika Malik
44	B.K. Nilakhe Award	J V S Shreya
45	Shri Ram Kumar Gupta Merit Award	Akshat Shirish Zalte

46	Urvish Medh Memorial Prize (For Electrical Engg.)	Joel Anto Paul Atharva Abhijit Tambat Waciar Mirza Nishant Mittal
47	Smt. Prakashvati Devi Gupta Merit Award	Dev Moxaj Desai
48	Prof. A. K. Mallik Award	Kunind Omprakash Sahu
49	M.N. Vartak Memorial Prize	Rajat Garg
50	T.K. Subraminan Prize For Academic Excellence	Hiya Akhil Gada
51	Aditya Choubey Memorial Prize	Atharva Abhijit Tambat
52	Rakesh Mathur Excellence Award	Harshit Gupta
53	Abhijeet Banerjee Sjmsom Silver Medal	Pulkit Jindal
54	Miss Jayati Deshmukh Memorial Gold Medal	Mohammad Ali Rehan
55	Vidyasagar Nehra Gold Medal	Jaymal A. Lodha
56	Sharad Maloo Memorial Gold Medal	Pratyush Agarwal
57	Rajit Bhagwati Memorial Gold Medal	Abhinav Agrawal
58	Dr. Shankar Dayal Sharma Gold Medal	Shreya Pathak

CENTRES OF EXCELLENCE (CoEs)

Vision of the Centre

To become a centre of excellence that facilitates informed evidence and an inclusive public policy.

Key focus Areas

- Digital Societies and Governance
- Social Policy (Education, Ageing, Identity)
- Technology and Policy
- Urban Policy
- Water, Sanitation, Energy, Climate Change

Key Initiatives

- ADCPS coordinated a 'Summer School' in TU Munich along with the Bavarian School of Public Policy in November, 2022 and a 'Winter School' in Alleppey, Kerala in December, 2022. In March, 2023 ADCPS inaugurated the 'Living Lab for Just Transitions, Alleppey: A Project of IIT Bombay' to deepen the ongoing work in local governance related to issues of circulating in waste management in the issues of water sanitation and flood resilience.

- ADCPS organized 4 Policy Dialogues on topics including environmental legislations, platform/gig economy, new education policy, and drinking water governance.

- The 3rd edition of the Atelier Film Festival was organized at the IDC Auditorium. 16 Policy Talks were conducted on various topics.

- The first ADCPS working paper series paper released on 2nd March 2023 on the Changing Role of the State in Rural Drinking Water Governance in India.

- 17 MPP students and 1 Ph.D. student graduated last year. 14 Journal Articles, 9 Conference Papers, 7 Book Chapters, and 2 Working Papers were published.

- The Chief Justice of India (Retired) U.U. Lalit joined ADCPS as a Distinguished Visiting Faculty.

Collaboration opportunities

ADCPS hopes to collaborate with organizations working in the social space to conduct critical research in various policy fields, focusing specifically on policy formulation and evaluation in India.

(Left) Mr. Arpit Mathur (B. Tech & M.Tech, Computer Science, 2006) and (Right) Mr. Mohan Lakhamraju) (B.Tech., 1998 Computer Science & Engineering) at the inauguration of C-MInDS.

Vision of the Centre

Provide leadership in Machine Intelligence and Data Science through teaching, research, and industry collaboration.

Key Focus Areas

1. Academics

- **Current Academic Programs**

  - Minor in AI and Data Science

  - Inter-Disciplinary Dual Degree Program (IDDDP) in AI and Data Science

- **Academic Programs in near future**

  - B. Tech. Program in AI and Data Science

  - Ph.D. Program in AI and Data Science

  - Masters program in AI and Data Science

2. Thematic Areas

- **Healthcare and Life Science**
- **Financial Analytics**
- **Education**
- **Indian Language & Speech**
- **Industry 4.0**
- **Transportation**
- **Materials & Mechanics**

Key Initiatives

- National research program to improve early detection of dominant silent killer diseases in India – Cancer, Tuberculosis and Diabetes.

- Lead a large-scale screening and longitudinal data collection program.

- Empowering people with access to opportunities that otherwise are hindered by language barriers, e.g., in education, healthcare, career opportunities etc.

- Intelligent transportation to provide innovative services relating to different modes of transport and traffic management and enable users to be better informed and make safer, more coordinated, and 'smarter' use of transport networks.

Collaboration Opportunities

- Collaborate with academic and research institutes across the globe for research.

- Collaborate with industry partners to solve industry/socially relevant problems

The CoE-OGE team

Vision of the Centre

- Lead the oil and gas industry towards an integrated vision for the oil and gas sector that includes optimised use of hydrocarbon molecules, utilization of unconventional feed stocks and crude oil derivatives/natural gas as a feed for petrochemicals, explore environment friendly, efficient alternative processes

- Develop sustainable solutions to the complex energy and environmental issues faced by the Oil and Natural Gas PSUs

- Develop new set of skilled manpower and upgrade the knowledge of existing industry professionals

Key Focus Areas

- Upstream Exploration and Production: EOR, Gas hydrates, AI/ML in exploration

- Refineries of Tomorrow: Crude to Chemicals, Digitalization, CCUS

- Biofuels and Biochemicals

- Water management in oil & gas industries

- Monitoring and surveillance of pipelines

- Battery Storage

- Energy transition

Key Initiatives

- CoE-OGE has taken up various collaborative projects of national Importance by brainstorming among IIT Bombay faculty and personnel from 6 different Indian public sector companies engaged in upstream, midstream and downstream activities in Oil, Gas and Petrochemical Sector.

- Thirteen mission mode projects have been undertaken with the aim to develop and deliver technologies related to present and future issues of the PSUs taking from lab to implementation-ready stage.

- Projects are focused on reducing cost, and reducing carbon footprint.

- Through the various ongoing and proposed projects in the pipeline, IIT Bombay has aligned with the priorities of MoPNG namely Energy Access, Energy Efficiency, Energy Sustainability, and Energy Security.

Collaboration Opportunities

- Collaborate with industry partners to solve industry/socially relevant problems

- Collaborate with academic and research institutes across the globe for research.

KOITA CENTRE FOR DIGITAL HEALTH (KCDH)

(First from right) Mr. Rizwan Koita (B.Tech., Electrical Engineering, 1992) and (Second from right) Ms. Rekha Koita (B.Tech., Metallurgical Engineering & Material Science, 1992).

Vision of the Centre

Drive research, entrepreneurship and employment in Digital Health to transform healthcare in India, and partner closely with clinical professionals and healthcare organizations.

Key Focus Areas

1. Academics

- PhD Program- Digital Health; Interdisciplinary Dual Degree (IDDDP) with Master's -Healthcare Informatics; Minor Program- Healthcare Informatics; M. Tech Program- Healthcare Informatics

2. Research Program

- Healthcare Applications, Healthcare Data Management, Healthcare Analytics/ AI, Consumer Health & Tele-Medicine, Computational Biology & Bioinformatics, Population Health & Public Policy

Key Initiatives

- Research Highlights - KCDH sanctioned funding for 15 research projects in 2022. MoUs were signed with Digital Health Partners such as Vision Research Foundation, Kokilaben Dhirubhai Ambani Hospital & Medical Research Institute, KEM

Hospital, and more.

- IIT Bombay signed an MoU with Johns Hopkins University for the joint Breakthrough Research Grants program.

- IIT Bombay and the Maharashtra University of Health Sciences (MUHS) signed a MoU towards promoting interaction between the two entities in February 2023.

- The PhD Program in Digital Health was started in 2022 and nine students joined the PhD program in 2022-23.

- Interdisciplinary Dual Degree Program (IDDDP) in Healthcare Informatics was started in 2021 and attracted 10 IDDDP students in 2022.

Collaboration Opportunities

- Establish partnerships with hospitals to drive joint research and academic programs and get access to clinical and patent information

- Collaborate with Indian Healthcare research, global medical devices, software companies, and NGOs to drive joint research programs, internships and conduct consortiums/lectures

- Collaborate with government organizations to support public health initiatives

Vision of the Centre

To understand the disease mechanisms and develop innovative diagnostic and assistive technologies against neurological disorders.

Key Focus Areas

- Early detection of diseases caused due to aging and neurodegenerative diseases such as Parkinson's (PD), Alzheimer's (AD) and Frontotemporal Dementia (FTD).

- Creating biological age profiles (normal aging versus aging-related disorders such as PD and AD) using blood samples.

- Understanding the molecular mechanisms and development of therapeutics and tools against neurodegenerative disorders such as PD, AD and FTD.

- Movement support – assisted support for aging and neurodegenerative patients.

Key Initiatives

- Collaborated with KEM Hospital to collect blood samples for conducting research focussed on developing a blood test for PD. Initiated possible collaborations with Hinduja, Hiranandani and other hospitals.

- Prof. Arnab Bairk from the Centre of Neuroscience (IISc Bengaluru) delivered a lecture titled 'Circuits For Pain & Itch.' A workshop conducted on 'Age-friendly Urban Policy & Programmes for Older Persons' organised in collaboration with the Ashank Desai Centre for Policy Studies and IDC School of Design, IIT Bombay. It escalated the interest of older people on the policy agendas at the municipal, state, and national scales.

- Dr. Biju Viswanath delivered a lecture on discovering the biology of neuropsychiatric illness in India.

- SCAN and NTU Singapore will hold a workshop on several topics related to neurodegenerative diseases and artificial intelligence (AI).

Collaboration Opportunities

- Collaboration with hospitals for devising lab test, and design and testing of assistive devices for people with PD and other neurodegenerative diseases.

- Collaboration with academic and research institutes across the globe for research.

Vision of the Centre

To create a platform to enable academia and industry to leverage the benefits of Artificial Intelligence and Machine Learning techniques.

Key Focus Areas

The Centre aims to build a strong synergy with the defense sector to provide full-fledged AI/ML-based solutions to improve the operational efficiency of defense forces. Also, the Centre facilitates projects from all the Departments and Centres of IIT Bombay.

The Centre has funded multiple research projects in its portfolio. These include medical imaging, supply chain logistics, cybersecurity, beyond 5G technologies, electricity distribution, and biological drug discovery undertaken jointly with industry partners.

Key Initiatives

- 3D Medical Image data synthesis for classification and segmentation using deep generative techniques

- Learning Algorithms for Beam Alignment in 5G

- Crowdsourcing

- Automating Threat Detection and Response in Linux Endpoints

- Assistive AI Technology Development for Tactical and Operational Planning of Supply Chains

- AI/ML Applications for Enhanced Smart Metering for Residential Electricity Consumption,

- Robust domain adaptation strategies for vibration condition monitoring of machines at the edge.

- Pattern Recognition-AI and NMR aided HOS analysis of biological drugs. Categorization of Landfill Mined Residues-coarse fractions using AI and ML techniques.

Collaboration Opportunities

- Collaborate with industry partners/defense to solve industry/defense relevant problems

- Collaborate with academic and research institutes across the globe for research

Vision of the Centre

To be at the forefront of science and engineering research and become a leading centre of excellence in bioengineering. Provide technological solutions that improve healthcare delivery.

Key Focus Areas

WRCB supports technology translation and commercialization in the four core focus areas of Diagnostics, Therapeutics, MedTech, and Synthetic Biology.

Key Initiatives

* **Translational Outcomes:** Initiated 18 translational projects in 2022. Gave rise to 10 startups.

* **Outreach and Ecosystem Development activities:**

    - **Investor Connect:** WRCB connected with early-stage biotech investors to create a network for its startups to engage with. Three MoUs have been signed and six more are in the pipeline.

    - **Philanthropic Foundations and non- profit Connect:** WRCB has signed an ecosystem partner MoU with Golden Jubilee Women's Biotech Park, an incubator and accelerator for women technology entrepreneurs.

    - **Industry Connect:** The erstwhile Corporate Affiliate Program (CAP) has been revamped to the Industry Research Partnership Program (IRPP). The IRPP membership MoU has been signed with Human Edge Services.

    - **Industry matching contribution:** Through its industry outreach, WRCB has secured a commitment from MP Biomedicals, a life sciences consumables company to match 25% of consumable expenditure of WRCB projects.

Vision of the Centre

The Bank of Baroda IIT Bombay Innovation Centre is a collaborative initiative between Bank of Baroda, one of India's leading public sector banks, and IIT Bombay. The Centre serves as a vibrant platform for fostering innovation, research, and development in the banking and financial technology (fintech) sectors.

Key Focus Areas

- Finance and Fintech
- Banking and digital technologies

Key Initiatives

- R&D projects
- Pre-incubation projects

Collaboration Opportunities

The Centre creates a collaborative ecosystem, bringing together industry experts, banking professionals, researchers, faculty, and students. This diverse community acts as a catalyst for ideas, knowledge exchange, and innovation. Through collaborative efforts, the Centre cultivates a culture of continuous learning and problem-solving, sparking ground-breaking initiatives.

Vision of the Centre

To foster innovation and entrepreneurship at IIT Bombay and beyond. DSSE offers courses on innovation and entrepreneurship with the relevant content for aspiring students to strengthen the startup ecosystem in India.

Key Focus Areas

Entrepreneurship education and practice through venture creation initiatives, and building thought leadership through outreach and knowledge dissemination

Key Initiatives

- The new curriculum for the UG/DD students proposed by the Chatterjee Committee, DSSE offered ENT101, Introduction to Innovation & Entrepreneurship. 400 students took ENT 101 in 22-23.

- In addition to two full-time Professors of Practice, three (Hon) Professors-of-Practice came on board to support academic and practice programs, and further the Innovation and Entrepreneurship vision of IIT Bombay.

- DSSE held a hybrid Entrepreneurship Symposium and over 150 participants attended the symposium.

- 45 teams participated in the three new cohorts in the IDEAS Pre-Incubation

program, while the CGI-sponsored Women in Entrepreneurship cohort included six participants. DMart engaged with IIT Bombay to support 'Entrepreneurship Development at DSSE.' These included lectures, workshops, events, coaching, and mentoring for aspiring entrepreneurs.

- Over the last eight years, 3000+ students have benefited from entrepreneurship courses, over 750 students have embarked on their entrepreneurial journeys, 200+ venture teams have been mentored in the pre-incubation program.

Collaboration Opportunities

- **Entrepreneurship Education –** Welcoming corporate practitioners to sponsor and co-create courses for working professionals with DSSE.

- **Entrepreneurship Practice through Venture Creation initiatives –** Seeking support and collaboration in the areas of identification of sector-specific problem areas, industry mentors for venture-teams, and financial support for the startups in terms of mini-grants.

- **Building Thought Leadership Through Outreach And Knowledge Dissemination** Creating knowledge around Innovation and Entrepreneurship and to disseminating the same through diverse outreach activities.

The HDFC ERGO IIT Bombay Innovation Lab is a collaborative initiative between HDFC ERGO General Insurance Company and IIT Bombay. The Lab serves as a dynamic platform for fostering innovation, research, and development in the insurance industry. It brings together the expertise of HDFC ERGO, a leading insurance provider, and the technical prowess of IIT Bombay, one of India's premier engineering institutes. Through its research outcomes, collaborations, and support for start-ups, the Lab spearheads the adoption of innovative solutions that enhance underwriting, claims processing, risk management, and customer engagement. Its influence extends beyond HDFC ERGO, inspiring the broader insurance industry to embrace technology-driven innovation.

Vision of the Centre

To foster innovation, research, and development in the insurance industry.

Key Focus Areas

- Insurance and Insurtech
- Health and MedTech

Key Initiatives

- R&D projects
- Innovation challenges and Hackathons
- Incubation and Acceleration

Collaboration Opportunities

- The HDFC ERGO Innovation Lab is a hub of collaboration, bringing together industry experts, researchers, faculty, and students.

- Through collaborative efforts, the Lab nurtures a culture of innovation and pushes the boundaries of what is possible in insurance. The HDFC ERGO Innovation Lab serves as a bridge between academia and the insurance industry.

- Collaborations between HDFC ERGO and IIT Bombay's faculty members, researchers, and students ensure that research aligns with industry needs. This synergy leads to practical applications of academic insights, accelerates the adoption of new technologies, and prepares students for the evolving challenges of the insurance sector.

Vision of the Centre

To help alumni keep pace with technological advancements in engineering and science while understanding its implications on the world and, more specifically, their businesses.

Key Focus Areas

- AI/ML & Data Science
- Digital Transformation And Product Management
- Fundamentals of Statistics
- Sustainable Finance And Businesses
- Internet of Things (Iot)
- Blockchain for Fintech Industry
- Cloud Computing & Quantum Computing
- Lean Manufacturing, Six Sigma and Industry 4.0

Key Initiatives

Completed the following courses:

- Climate Change: Services and Solutions
- Urban Water Management for Future: Building Sustainability and Resilience by Prof Pradip Kalbar, Centre for Urban Science and Engineering

- Design Thinking
- Professional Program on Corporate Competitiveness for Energetic
- Introduction to Data Science and AI/ML Series which included the following courses:
    - Introduction to Python with Applications,
    - Statistics for Decision Making,
    - Introductory AI/ML with Python.
- Introduction to Python with Applications
- Statistics for Decision Making
- Introductory AI/ML with Python

Vision of the Centre

To become a world-class innovation and technology centre in developing and designing solutions for resource-constrained communities.

Key Focus Areas

The Centre designs technology solutions in the following areas - Education, Energy, Food and Agriculture, Healthcare, Housing, Waste Management, Water - to take on the unmet needs of resource-constrained communities, within India and across the world. Using an end-to-end innovation approach, TCTD acts as a virtual centre with research and academic components and draws faculty members and graduate students from across IIT Bombay.

Key Initiatives

TCTD initiatives empower individuals, promote a healthier population, foster critical thinking, and improve living conditions. Out of the total 119 projects that have been funded so far, intellectual property has been registered for 51 projects and total 15 commercials have been done.

Some of the key initiatives of the Centre include

CAR-T cell immunotherapy technology platform: Used for for cancer treatment in 27 cancer hospitals and an additional 300 general or multi-specialty facilities.

- **Gynaecam:** Used for early detection of cervical cancer, serving 8 NGOs with over 12,000 screenings.

- **Jaggery manufacturing plant:** Established a cost-effective, hygienic and automated production process of jaggery that improved sales and livelihood of more than 40 small-scale jaggery manufacturers.

- **Smart phone-based portable digital microscope:** Benefitted over 40 pathology labs and eight medical education institutions.

Collaboration Opportunities

TCTD hopes to collaborate with organizations in the industry, social space, academic setups, or with resourceful teams interested in sharing their expertise and resources to take on the developed solutions to test. TCTD has collaborated with a total of 44 organizations so far.

(First from left) Dr. Shridhar Shukla (B.Tech., Electrical Engg., 1983) with Director Prof. Subhasis Chaudhuri (Second from left) at the inauguration of Trust Lab.

Vision of the Lab

- To be a leading contributor to the enterprise of making our digital environment trustworthy

- Develop state-of-the-art theories and practices in digital trust frameworks in academia, industry, and government

Key Focus Areas

- Enabling world-class research and collaborations through research grants and specialised activities in Digital Trust

- Revolutionising Digital Trust education in India through TrustNet

- Identifying and executing high-impact development projects and outreach activities

- Seeding and nurturing technology start-ups

Key Initiatives

- The first edition of the Trust Summit was held in September 2022 with the keynote address titled "Cryptography and Society's Demand for Privacy" and two panel discussions.

- Collaborated with ACM India to host a winter school for undergraduate and postgraduate students, with the goal of raising awareness about various topics related to Digital Trust.

The school will focus on foundational knowledge in Digital Trust, the current state-of-the-art research challenges and opportunities, and future trends.

- Hosted a 'Catch The Flag' contest at IIT Bombay, which comprised 5 challenges, with a total of 1500 possible points, and lasted for 6 hours. The event attracted more than 50 teams and 84 registered users, reflecting a keen interest in the field of information security and ethical hacking among IIT Bombay students.

- The Trust Lab colloquium series featured researchers and practitioners from around the world who presented state-of-the-art developments in a range of topics in Digital Trust.

Collaboration Opportunities

- Organizations can collaborate with Trust Lab for TrustNet (envisioned as a network of partners who share the vision of IITB Trust Lab) for enabling a trustworthy digital environment.

- The focus will be on creating and deploying pedagogical and practical resources at various levels and organising activities.

"The Major Bhagat Singh Rekhi Chair Professorship is a highly coveted position, and I am delighted to be an occupant of the same. The award has facilitated my research and development significantly. Major Bhagat Singh Rekhi was a dynamic and inspiring personality and one who motivated others to excel. His worthy son Mr. Kanwal Rekhi has contributed so much to his alma mater IIT Bombay. My chair professorship is another example of this noble gesture."

- Prof. Pushpak Bhattacharya,
Professor, Computer Science and Engineering Department

CHAIR PROFESSORSHIPS

The complete list of Chair Professorships including the area, donor name and the names of current Chair Professors is listed below.

Named Chairs

Sr. No.	Chair Name	Area	Donor Name	Current Chair Professor Name
01	Anantrao Jagtap Chair for Construction Management	Indigenous, Accurate Low-Cost and Efficient Construction Management	Mr. Pankaj Jagtap	Prof. Venkata Santosh Kumar Delhi
02	Artificial Intelligence and Machine Learning Chair Professorship	Artificial Intelligence and Machine Learning	Adil Zainulbhai	Prof. Ravindra Gudi
03	Asha and Keshav Bhide Chair Professorship	AI, ML, Data Engineering and Data Science	Calsoft	Prof. Suyash Awate
04	Bajaj Group Chair Professorship for Computer Science and Engineering	Computer Science and Engineering	Bajaj Group	Prof. Supratik Chakraborty
05	Bank Of Baroda Chair for Digital Entrepreneurship	Digital Entrepreneurship	Bank of Baroda	Yet to be occupied
06	Bank of Baroda Chair in AI ML	AI and ML	Bank of Baroda	Yet to be occupied
07	Biswas-Palepu Chair in Department of Chemistry	Chemistry	The Palepu Foundation	Prof. R. Murugavel
08	Class of 1985 Chair in Technology & Sustainable Development	Technology and Sustainable Development	Legacy Batch 1985	Prof. Parag Bhargava
09	Class of 1998 Chair in Quantum Computing	Quantum Computing	Mr. Ashutosh Gore	Prof. R. B. Sunoj

Sr. No.	Chair Name	Area	Donor Name	Current Chair Professor Name
10	D.L. Shah Chair Professor for Innovation	Indigenous, Accurate Low-Cost and Efficient Construction Management	Mr. Pankaj Jagtap	Prof. Venkata Santosh Kumar Delhi
11	Dr P.K Kelkar Chair for Excellence in Nanotechnology	Nanotechnology	Alumni of IIT Bombay from first batch having passed in 1962	Prof. Souvik Mahapatra
12	Dr. K. V. Ramachandran Chair for Statistics and Mathematics	Math and Statistics	Dr. Viswanath Ramachandran	Yet to be occupied
13	Dr. P. R. Sharadamani Chemistry Chair Professorship	Chemistry	Dr. Bala Chandrasekharan, Ms. Jayashree Subramanian	Yet to be occupied
14	Dr. P. V. Sukhatme Chair in Biostatistics	Biostatistics and Associated Applications	Prof. Suhas Sukhatme	Prof. Ranjith P
15	Erach and Meheroo Mehta Advanced Education Technology Chair Professor	Advanced Digital Education Technology	Ruyintan E. Mehta	Prof. Kannan Moudgalya
16	Forbes Marshall Chair Professorship for Energy Science and Engineering	Energy Science and Engineering	Forbes Marshall Pvt Ltd	Prof. Dinesh Kabra
17	G.K. Devarajulu Chair	Textile	Textile Machinery Manufacturers' Association (TMMA) India	Prof. Ramesh Singh

Sr. No.	Chair Name	Area	Donor Name	Current Chair Professor Name
18	Halepete Family Chair of Artificial Intelligence Research	Artificial Intelligence and Machine Learning	Sameer Halepete	Prof. Soumen Chakraborti
19	Himanshu Patel Chair for Applied Biosciences	Applied Biosciences	Mr. Himanshu Patel	Prof. Rohit Srivastava
20	Hindustan Aeronautics Ltd Chair Professorship	Aeronautics	Hindustan Aeronautics Limited	Prof. Anil Kottantharayil
21	India Value Fund Chair Professor for Humanities & Social Sciences	Humanities & Social Sciences	Mahesh Krishnamurthy	Prof. K. Narayanan
22	Inox Chair in Cryogenics	Cryogenics	Inox Group	Prof. Milind Atrey
23	James R Isaac Chair	Computer Science and Engineering	Mr. Vincent Fernandes	Prof. Akash Kumar
24	Jitendra K. & Meena J. Mehta Chair Professor of Structural Engineering	Structural engineering	Mr. Jitendra K. Mehta	Prof. Siddhartha Ghosh
25	Kamalnayan Bajaj Chair Professorship for Electrical Engineering	Electrical Engineering	Bajaj Group	Prof. Subhasis Chaudhuri
26	Larsen and Toubro Chair Professorship	Nuclear Engineering	Larsen and Toubro	Prof. Mahesh Tirumkudulu
27	Madhuri Sinha Chair Professorship in Biomedical Engineering	Biomedical Engineering	Dr. Krishna K. Sinha	Prof. Soumyo Mukherji

Sr. No.	Chair Name	Area	Donor Name	Current Chair Professor Name
28	Maharashtra Pollution Control Board (MPCB) Chair Professor for Environmental Technologies and Pollution Control	Environmental Technologies and Pollution Control	Maharasthra Pollution Control Board	Prof. Anurag Garg
29	Major Bhagat Singh Chair	Computer Science Engineering	Kanwal Rekhi	Prof. Pushpak Bhattacharya
30	Praj Industries Chair Professorship for Energy Sciences and Engineering	Energy Sciences and Engineering	Mr. Shashank Inamdar	Prof. Santanu Bandyopadhyay
31	Pramod Chaudhari Chair Professorship for Green Chemistry and Industrial Biotechnology	Green Chemistry and Industrial Biotechnology	Mr. Parimal Pramod Chaudhari	Prof. Gautam Lahiri
32	Prof. D. M. Dhamdhere Chair Professorship for Excellence in Teaching Methods	Excellence in Teaching Methods	Alumni Donors	Prof. Kameswari Chebrolu
33	Prof. Tarun Kant Endowed Chair in Computational Mechanics in Civil Engineering	Civil Engineering Computational Research	Alumni of Civil Engineering	Prof. Deepankar Choudhary
34	Rahul Bajaj Chair Professorship for Mechanical Engineering	Mechanical Engineering	Bajaj Group	Prof. Atul Sharma

Sr. No.	Chair Name	Area	Donor Name	Current Chair Professor Name
35	Ramkrishna Bajaj Chair Professorship for IDC (Industrial Design Center)	IDC (Industrial Design Center)	Bajaj Group	Prof. Nishant Sharma
36	Rasiklal Hemani Fragnance and Flavour Chair	Perfumery Chemistry	Mr. Rasiklal Hemani	Prof. Santosh Gharpure
37	Prof. R . S. Ayyar Chair Professor in Civil Engineering	Civil Engineering	Ayyar Family	Yet to be instituted
38	Sajjan Jindal Steel Chair Professorship	Steel Technology	JSW IP	Yet to be Advertised
39	Shailesh Mehta Chair Professor	Research, Teaching, Consultancy, and Collaborations	Shailesh Mehta	Prof. Vinish Kathuria
40	Shobha Dixit Chair	Chair for Woman Chair Professor to Promote STEM Education	Mr. Amit Dixit	Prof. Chandra Venkataraman
41	Shridhar Shukla Chair in Digital Trust (2)	Digital Trust	Sridhar Shukla	1st - Prof. Vinay Ribeiro Prof. 2nd- PIC to be appointed
42	Subrao M. Nilekani Chair in the School of Information Technology at IIT Bombay	Information Technology	Nandan Nilekani	Prof. S. Sudarshan
43	Sumati and Atmaram Kotwal Sanskrit Acharya Chair	Construction Management	Mr. Pankaj Jagtap	Prof. Malhar Kulkarni

Sr. No.	Chair Name	Area	Donor Name	Current Chair Professor Name
44	Tata Centre Chair Professorship in Frugal Engineering	Frugal Engineering	Trustees of Sir Dorabji Tata Trust	Prof. Sanjay Mahajani and Prof. Maryam Shojaie
45	Thakur Family Chair	Machine Intelligence and Data Science	Dr. Shashidhar thakur	PIC to be appointed
46	The Kelkar Family Chair in Quantitative Finance	Quantitative Finance, Financial Engineering ,Risk Management using Financial Derivatives	Mr. Ram Kelkar	Prof. Ankur Kulkarni
47	The Prof. TRR Mohan Chair in Material Sciences and Microelectronics	Material Sciences and Microelectronics	Dr. Kishore Sreendripu	Prof. Indradev Samajdar
48	Vijay and Sita Vashee Chair Professor/ Assistant Professor	Computer Science and Engineering	Vijay Vashee	Prof. Manoj Prabhakaran
49	Vinaya and Samir Kapoor Chair in Climate Studies	Climate Studies	Vinaya and Samir Kapoor	Prof. Subhankar Karmakar
50	Yogen Dalal Chair	Human-centered interaction design	Dr Yogen Dalal	PIC to be appointed

Sr. No.	Chair Name	Area
1	NR Kamath Chair Professorship for Institutional Excellence	Outstanding teaching and research
2	D.J Gandhi Distinguished Professorship	Electrical Engineering
3	Dr. Rinti Banerjee Chair Professor	Awarded to women to support academic excellence in Women in Translational Research in Healthcare
4	Chairs in Centre of Oil, Gas and Energy (CoEOGE) – 4	Oil, Gas and Energy
5	Rajan Raman Chair Professorship in the Chemical Engineering Department of IIT Bombay	Chemical Engineering

I am thankful to the Maharashtra Pollution Control Board (MPCB) for the Chair Professorship post for Environmental Science and Engineering Department (ESED) at IIT Bombay. The support from MPCB motivates me to work on environment related issues in the state of Maharashtra. Some of the ongoing research projects are in the field of solid waste management, wastewater treatment, and remedial measures for the contaminated rivers which are some of the priority issues in the state. The contingency funding is a good support for travel and interaction with stakeholders.
As Chair Professor, I have plans to reach out to some major institutions in the state to enhance collaborative activities and capacity building. I am already working with industries, municipal corporations and MPCB on different problems in the state.

- Prof. Anurag Garg,

Core Faculty Professor, Environmental Science And Engineering

CEO Connect 1.0

The Student Alumni Relations Cell (SARC) conducted the CEO Connect 1.0 in August 2022 and over 400+ students attended the event. CEO Connect links today's CEOs with tomorrow's leaders. The guest of honour for this session was Mr. Bhavish Aggarwal, Founder and CEO of OLA Cabs and OLA Electric. He talked about his academic pursuits, extra-curricular activities, personal life, hobbies, and how the experiences gained at IIT Bombay shaped his life.

Trust Summit-2022

The inaugural edition of the Trust Summit, IITB Trust Lab's flagship annual event, took place in September 2022. The event saw the launch of the IITB Trust Lab. The Lab is a foundational initiative that envisions strengthening the country's digital environment and making it more trustworthy, and also working towards a secure and responsible Digital India.

Batch Reunions

A total of nine batch reunions were hosted this year. These included the Diamond Jubilee Reunion of the C'1962, Golden Jubilee Reunion of C'1970, C'1971 & 72, Silver Jubilee Reunion of the C'1997 & 95, Decennial Reunion of C'2010, C'1983 amongst others. More than 1,000 alumni attended these reunions on campus. The Class of 1971 pledged a remarkable Rs. 38.5 crores, marking the highest pledge by a golden jubilee batch. Similarly, the Class of 1997 pledged Rs. 26.5 crores, setting a record for the highest donation by a silver jubilee batch.

GO IITB Campaign

IIT Bombay launched the 2022-23 edition of its annual GO IITB fund-raising campaign for various critical and timely initiatives on campus. IIT Bombay appealed to its extensive alumni community to rally around and donate generously to its alma mater. The five critical categories the Institute identified for this year's GO IITB campaign were: Student Scholarships, IT Hardware, Institute Development Fund (IDF), Project Evergreen – Alumni-Led Student Housing, and Young Faculty Awards (YFA).

Institute Alumni Day and Presentation of DSA/CSA awards

IIT Bombay's annual Alumni Day was celebrated in December 2022, at the IIT Bombay campus. As a part of an event, the Distinguished Service Awards 2022 (DSA) were bestowed on six of our alumni this year and the Chapter Service Awards 2022 (CSA) were also conferred upon four of our alumni. Dr. Sharad Saraf, Chairman (BoG), IIT Bombay, Prof. K.V.K. Rao, Deputy Director (FEA,) and Prof. Ravindra Gudi, Dean (ACR) also launched the brand-new website for the Dean ACR office in the presence of Institute functionaries, alumni, and their family members.

Institute Foundation Day and Presentation of DAA / YAA awards

The Institute celebrated its 64th Foundation Day in March 2023. The Institute honoured its Distinguished Alumnus Awardees, Young Alumni Achiever Awardees, and conferred the Prof. S.C. Bhattacharya Award, the Prof. H.H. Mathur Award, and the Prof. S.C. Sahasrabudhe Lifetime Achievement Award 2023. The Chief Guest of the function was Mr. Sajjan Jindal, Chairman, JSW Group.

This year, 11 alumni were bestowed the Distinguished Alumnus Award (DAA) and four alumni were conferred with the Young Alumni Achievers Award.

The **Prof. S.C. Sahasrabudhe Lifetime Achievement Award (2022-2023)** was conferred on Prof. Devang V. Khakhar, former Head of Department of Chemical Engineering (2002– 04) and Director of IIT Bombay from 2009 - 2019, in recognition of his outstanding contributions as teacher, researcher and administrator, during the Foundation Day celebration.

The **'Prof. S.C. Bhattacharya Award for Excellence in Research in Pure Sciences (2022)'** was conferred on Prof. Samir Maji, Department of Biosciences and Bioengineering for his outstanding contributions in the area of Protein aggregation, Biochemistry and Biophysics; and Prof. Debabrata Maiti, Department of Chemistry, for his outstanding contributions in the area of Bio-inspired catalysis, Green Synthesis, C-H activation, Photocatalysis.

The **'Prof. H.H. Mathur Award for Excellence in Research in Applied Sciences (2022)'** was conferred on Prof. V.S. Raja, Department of Metallurgical Engineering and Materials Science, for his outstanding contributions in the area of Corrosion Mechanisms and Materials Development.

SCAN Inauguration

The Sunita Sanghi Centre of Ageing and Neurodegenerative Diseases (SCAN) was launched on January 9, 2023. The inauguration was presided over by Dr. Pratima Murthy, Director, National Institute of Mental Health and Neurosciences (NIMHANS). The gathering also witnessed a well-rounded panel discussion on the challenges and solutions of healthy ageing and combating neurodegenerative diseases.

Following Named Lectures were held last year

The Prof. N.R. Kamath Distinguished Lecture in August 2022 was delivered by Prof. Shankar P. Bhattacharyya, Professor of Electrical Engineering, and Robert M. Kennedy Professor at Texas A&M University, delivered the lecture.

The Prof. N. R. Kamath Memorial Webinar was held in September 2022 and the key speakers were:

Prof. K. V. Krishna Rao, Deputy Director, Finance and External Affairs, and Professor, Department of Civil Engineering, IIT Bombay

Prof. Ram Pendyala, School Director (ACD) & Professor, School of Sustainable Engineering and the Built Environment, Arizona State University

Mr. Shekhar Chandrakant Deshpande, Chief, Town and Country Planning, MMRDA
The Institute Distinguished Lecture (in memory of Prof. K. C. Khillar) in January 2023 was delivered by Dr. Ravi M. Shanker, renowned Senior Research Fellow at Pfizer Worldwide R&D.

The Shashwat Panda Memorial Lecture by Pureheart Capital in March 2023 was delivered by **Mr. Ram Kelkar**, Principal and Managing Director - Capital Markets Group at Milliman Financial Risk Management LLC.

The Prof. C. V. Seshadri Chair Distinguished Lecture in April 2023 was delivered by **Prof. K. Ganapathy Ayappa** (Indian Institute of Science, Bengaluru).

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