Indian Institute of Technology Bombay

Partnership Brochure
Internationalization

"ज्ञानं परमं ध्येयम्"
"Knowledge is the Supreme Goal"

वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

International Relations
Office

Indian Institute of Technology Bombay

International Relations

Indian Institute of Technology Bombay

https://www.iitb.ac.in/ | Powai, Mumbai - 400076, INDIA

About IIT BOMBAY

Established in 1958, Indian Institute of Technology Bombay (IITB) has grown to become a top technical university in the world. IITB provides undergraduate and postgraduate programs in Engineering, Science, Mathematics, Earth science, Industrial design, Humanities & social sciences, among other disciplines. The institute also provides short-term courses through continuing education and distance education programs. Research and academic programmes at IITB are driven by its outstanding and internationally reputed faculty. Located in the northern suburb of Mumbai, the institute is proud of its contributions to the community and country.

It is located at Powai, Mumbai in a campus extending over 220 hectares amidst picturesque surroundings with Vihar and Powai lakes on either side.

- A premier technical university located in the financial capital of India
- ~95% of the community lives in a residential campus with a small hill, two natural lakes
- A clean, green, and safe campus
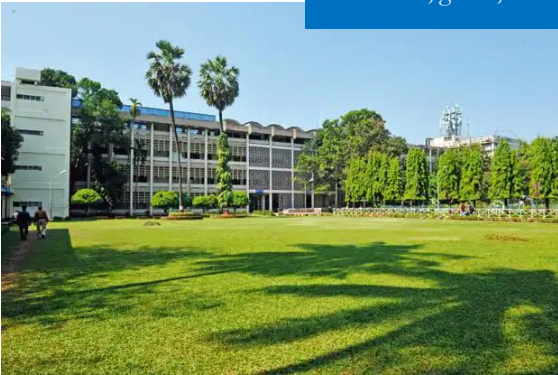
"An island of dappled green, the campus at Powai is nestled amongst hills and flanked by the Powai and Vihar lakes. It is special both in terms of its physical beauty and location — a place where you could be away from the world, yet still be a part of it. Education and research are the twin pillars of this institute and the ambience is one in which new ideas and creativity can flourish."

Prime Minister Jawaharlal Nehru laid the Foundation Stone on March 10, 1959

Prime Minister Narendra Modi at 56th Annual Convocation held on August 11, 2018

The Ministry of Human Resource Development granted the Institution of Eminence (IoE) status to Indian Institute of Technology Bombay (IIT Bombay) on July 9, 2018

Parent institution: Ministry of Education, Government of India
The medium of instruction in IITs is English.

IIT Bombay is an autonomous institute and a deemed university. It is governed by a Board of Governors with its Chairman nominated by the Visitor (the President of India). The President of India is the ex officio Visitor, and has residual powers.

The Institutes of Technology Act (1961) is an act of the Indian Parliament that declared certain institutions of technology to be institutions of national importance.

The BoG
Each IIT has its own Board of Governors (BOG), the highest governing body of the Institute, which meets, at least four times a year. Almost all major policy decisions have to be approved by the Board.

The Senate is the highest academic body of the Institute, which approves courses of study, frames rules of academic programmes, conducts evaluations and finally recommends the award of degrees to the Board of Governors.

The Director is the executive head of the institute. He chairs the Senate, which is the authority on all academic matters, and is also a Member of the Board of Governors and of the IIT Council.

Director

Deputy Director

Deans	Head of Departments/ Faculty	Registrar
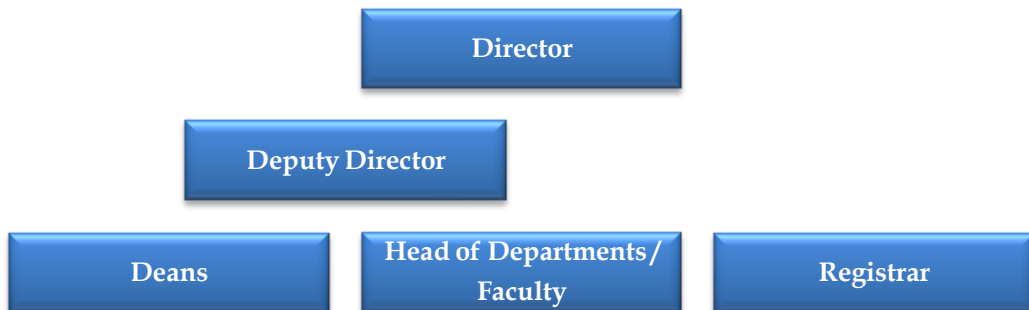
Director
Prof. Subhasis Chaudhuri

Dean International Relations
Prof. Amit Agrawal

Organizational STRUCTURE

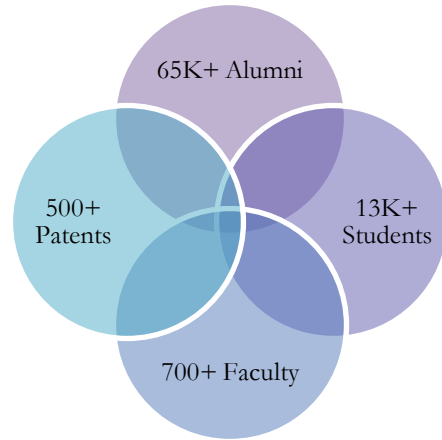| #	Dean	Responsible for
1.	Academic Programmes, AP	leads the Academic office, which is the repository of all records connected with academic performance of students.
2.	Administrative Affairs, AA	broad policy issues relating to administration, such as the management of staff manpower, continuous planning and reworking of administrative workflows and automation of administrative procedures.
3.	Alumni & Corporate Relations, ACR	looks after relations with alumni, and coordinates donations received from alumni, corporate and philanthropic Sources.
4.	Educational Outreach, EO	to deliver inter-disciplinary material along with the pedagogical rigour that IITs are known for - making for unrivalled offerings in the context of continuing education.
5.	Faculty Affairs, FA	conducting faculty recruitment, hiring institute postdoctoral fellows, appraisals and recommending special leaves of absence in consultation with the relevant academic unit.
6.	Infrastructure, Planning & Support, IPS	all matters connected with creation of new civil infrastructure and maintenance of the existing civil infrastructure and all related facilities, such as roads, electricity, and water supply.
7.	International Relations, IR	promotes and administers international linkages. All the matters related to foreign students, coordinates visits to the Institute by foreign nationals, whether for conferences or other types of academic exchanges, including visiting faculty.
8.	Research and Development, R&D	leads a large office called the Industrial Research and Consultancy Center (IRCC) to take care of sponsored projects and consultancy matters as well as filing patents.
9.	Strategy	tasked with planning and supporting institutional strategic initiatives and proposals including formation of centers of excellence, organizational changes, and strategy related to institutional ranking.
10.	Students Affairs, SA	student activities and welfare, other than academic matters (which are dealt with by the Dean AP). These include hostel, sports, and cultural affairs.

Institute FUNCTIONARIES

A Leader in Academic Ranking

QS World University Ranking 2023   # 172 in World
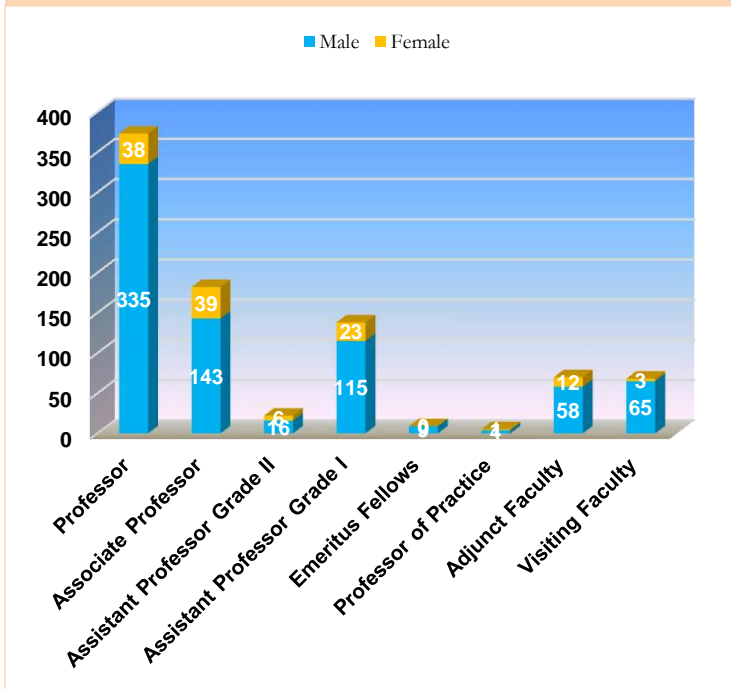QS World University Ranking 2023   # 1 in India

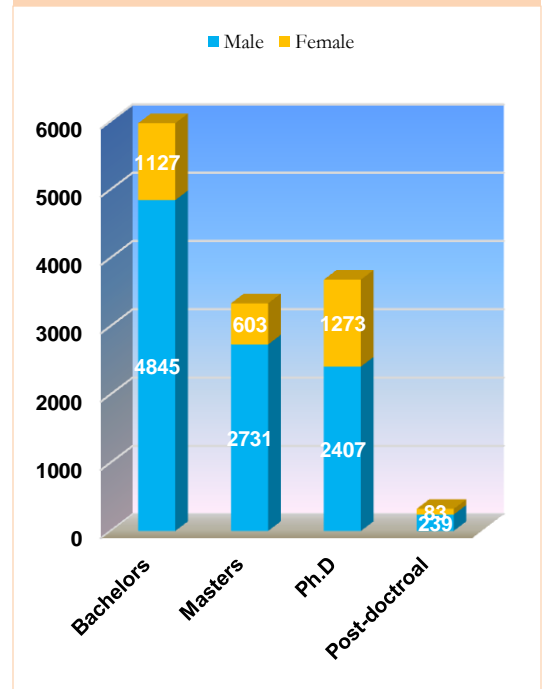## QS World University Ranking by Subject for 2023

Minerals & Mining   # 37
Engineering & Technology   # 47
Electrical & Electronics Engineering   # 54
Computer Sciences & Information Technology   # 66
Mechanical Engineering & Technology   # 68
Aeronautical & Manufacturing Engineering   # 68
Chemical Engineering   # 77
Civil & Structural Engineering   # 51-100
Art & Design   # 51-100

65K+ Alumni
500+ Patents
13K+ Students
700+ Faculty

Faculty @ IIT Bombay (in 2023)

■ Male ■ Female

Professor: 335, 38
Associate Professor: 143, 39
Assistant Professor Grade II: 16, 6
Assistant Professor Grade I: 115, 23
Emeritus Fellows: 9
Professor of Practice: 4
Adjunct Faculty: 58, 12
Visiting Faculty: 65, 3

Student @ IIT Bombay (in 2023)

■ Male ■ Female

Bachelors: 4845, 1127
Masters: 2731, 603
Ph.D: 2407, 1273
Post-doctroal: 239, 83

At a GLANCE

International Relations
Office

**Indian Institute of Technology
Bombay**

IIT Bombay's International MoUs around the globe

Argentina 1
Vietnam 1
Australia 3
Bangladesh 2
Belgium 1
Uzbekistan 3
Brazil 1
Canada 7
USA 15
Chile 1
China 2
Costa Rica 1
Czech Republic 1
United Kingdom 5
Denmark 1
Ethiopia 3
UAE 2
Turkey 5
France 13
Tunisia 1
Thailand 1
Taiwan 7
Germany 9
Switzerland 2
Sweden 2
Greece 1
Sri Lanka 2
Hong Kong 1
Spain 1
Indonesia 5
Slovenia 1
Singapore 2
Iran 4
Russia 5
Israel 1
Poland 1
Peru 1
Italy 6
Oman 2
Norway 1
New Zealand 1
Japan 9
Netherland 2
Nepal 1
Kazakhstan 2
Myanmar 1
Korea 4
Malaysia 2
Lebanon 1
Latvia 1

Mode of International Engagement

- Student Mobility through Semester Exchange and Joint Research Projects
- Partnership defined through MoU
- Student/Scholar Exchange
- Joint Degree Programs
- Faculty Research Workshops/Conferences
- Summer/Winter School for Students/Researcher
- Staff Exchange

International ENGAGEMENT

International Relations Office

Indian Institute of Technology Bombay

Instituto Tecnológico de Buenos Aires, Argentina
Curtin University, Australia
Monash University, Australia
The University of Queensland, Australia
Daffodil International University, Bangladesh
Jahangirnagar University, Bangladesh
Katholieke Universiteit Leuven, Belgium
Universidade Federal do Rio de Janeiro, Brazil
Dalhousie University, Canada
École de Technologie Supérieure, Canada
Polytechnique Montreal, Canada
University of Alberta, Canada
University of New Brunswick, Canada
University of Saskatchewan, Canada
University of Victoria, Canada
Universidad Católica del Norte, Chile
Tongji University, China
Beijing Foreign Studies University, China
Czech Technical University in Prague, Czech Republic
Universidad Estatal a Distancia, Costa Rica
Technical University of Denmark, Denmark
Adama Science and Technology University, Ethiopia
Dambi Dollo University, Ethiopia
Jimma University, Ethiopia
Clermont Auvergne INP, France
Ecole Nationale de l'Aviation Civile, France
École Nationale Supérieure de Techniques Avancées, France
École Nationale Supérieure des Arts Décoratifs, France
École Nationale Supérieure d'Arts et Métiers, France
ENS-PARIS-SACLAY, France
Institut d'études Politiques de Paris, France
Institut Mines-Télécom, France
Institut National Polytechnique de Toulouse, France
Institut National des Sciences Appliquées, France
Institut Supérieur d'électronique de Paris, France
Institut Supérieur de l'Aeronautique et de l'Espace, France
University of Strasbourg, France

Augsburg University of Applied Sciences, Germany
Freie Universität Berlin, Germany
Leibniz Universität Hannover, Germany
Technische Universität Braunschweig, Germany
Technische Universität Darmstadt, Germany
Technische Universität Ilmenau, Germany
Technische Universität München, Germany
Universität Regensburg, Germany
Universität Stuttgart, Germany
National Technical University of Athens, Greece
Hong Kong Baptist University, Hong Kong
Institut Teknologi Bandung, Indonesia
Institut Teknologi Sepuluh Nopember, Indonesia
Universitas Gadjah Mada, Indonesia
Universitas Indonesia, Indonesia
Universitas Syiah Kuala, Indonesia
Amirkabir University of Technology, Iran
Kharazmi University, Iran
Persian Gulf University, Iran
Tarbiat Modares University, Iran
Shamoon College of Engineering, Israel
International Centre for Theoretical Physics, Italy
Politecnico di Milano, Italy
Università degli Studi di Napoli L'Orientale, Italy
Università degli Studi di Urbino Carlo Bo, Italy
University of Florence, Italy
University of Genoa, Italy
Chubu University, Japan
Hiroshima University, Japan
Kochi University of Technology, Japan
Kumamoto University, Japan
Kyoto University, Japan
Kyushu University, Japan
Shibaura Institute of Technology, Japan
Tohoku University, Japan
University of Tokyo, Japan
Astana IT University, Kazakhstan

International PARTNERS

Indian Institute of Technology Bombay

East Kazakhstan Technical University, Kazakhstan
Jeju National University, Korea
Kookmin University, Korea
Korea Institute of Science & Technology, Korea
Korea Advanced Institute of Science & Technology, Korea
Riga Technical University, Latvia
University of Balamand, Lebanon
Universiti Malaya, Malaysia
Universiti Teknologi Malaysia, Malaysia
Myanmar Institute of Information Technology, Myanmar
Sunway International Business School, Nepal
Fontys University of Applied Sciences, Netherland
University of Amsterdam, Netherland
University of Auckland, New Zealand
Norwegian Geotechnical Institute, Norway
Dhofar University, Oman
German University of Technology, Oman
Universidad San Ignacio de Loyola, Peru
Cracow University of Technology, Poland
National Research Tomsk State University, Russia
Saint Petersburg State University, Russia
Samara National Research University, Russia
Sechenov First Moscow State Medical University, Russia
Vyatka State University, Russia
Nanyang Technological University, Singapore
National University of Singapore, Singapore
University of Ljubljana, Slovenia
University of the Basque Country, Spain
SLT Campus (PVT) Ltd, Sri Lanka
University of Peradeniya, Sri Lanka
KTH Royal Institute of Technology, Sweden
Mälardalen University, Sweden
École Polytechnique Fédérale de Lausanne, Switzerland
Université de Genève, Switzerland
Academia Sinica, Taiwan
Genomics Research Center, Academia Sinica, Taiwan
National Chung Hsing University, Taiwan

National Sun Yat-sen University, Taiwan
National Taiwan University, Taiwan
National Tsing Hua University, Taiwan
National Yang Ming Chiao Tung University, Taiwan
King Mongkut's University of Technology Thonburi, Thailand
European University of Tunis, Tunisia
Alanya Alaaddin Keykubat Üniversitesi, Turkey
Boğaziçi Üniversitesi, Turkey
Koç Üniversitesi, Turkey
Inönü Üniversitesi, Turkey
Sabanci Üniversitesi, Turkey
Educare International Foundation FZ LLC, UAE
United Arab Emirates University, UAE
Loughborough University, UK
Nottingham Trent University, UK
Queen Mary University of London, UK
Swansea University, UK
University of Newcastle Upon Tyne, UK
George Mason University, USA
Lehigh University, USA
North Carolina State University, USA
Temple University, USA
The Ohio State University, USA
The State University of New York, USA
University of California, USA
University of Houston, USA
University of Nebraska–Lincoln, USA
University of North Texas, USA
University of Notre Dame, USA
University of Texas at Austin, USA
University Wisconsin-Milwaukee, USA
Virginia Commonwealth University, USA
Washington University in St. Louis, USA
Samarkand State University, Uzbekistan
Samarkand Institute for Training, Uzbekistan
Urgench branch of Tashkent University of IT, Uzbekistan
Vietnam National University, Vietnam

International PARTNERS

Indian Institute of Technology Bombay

International Relations Office
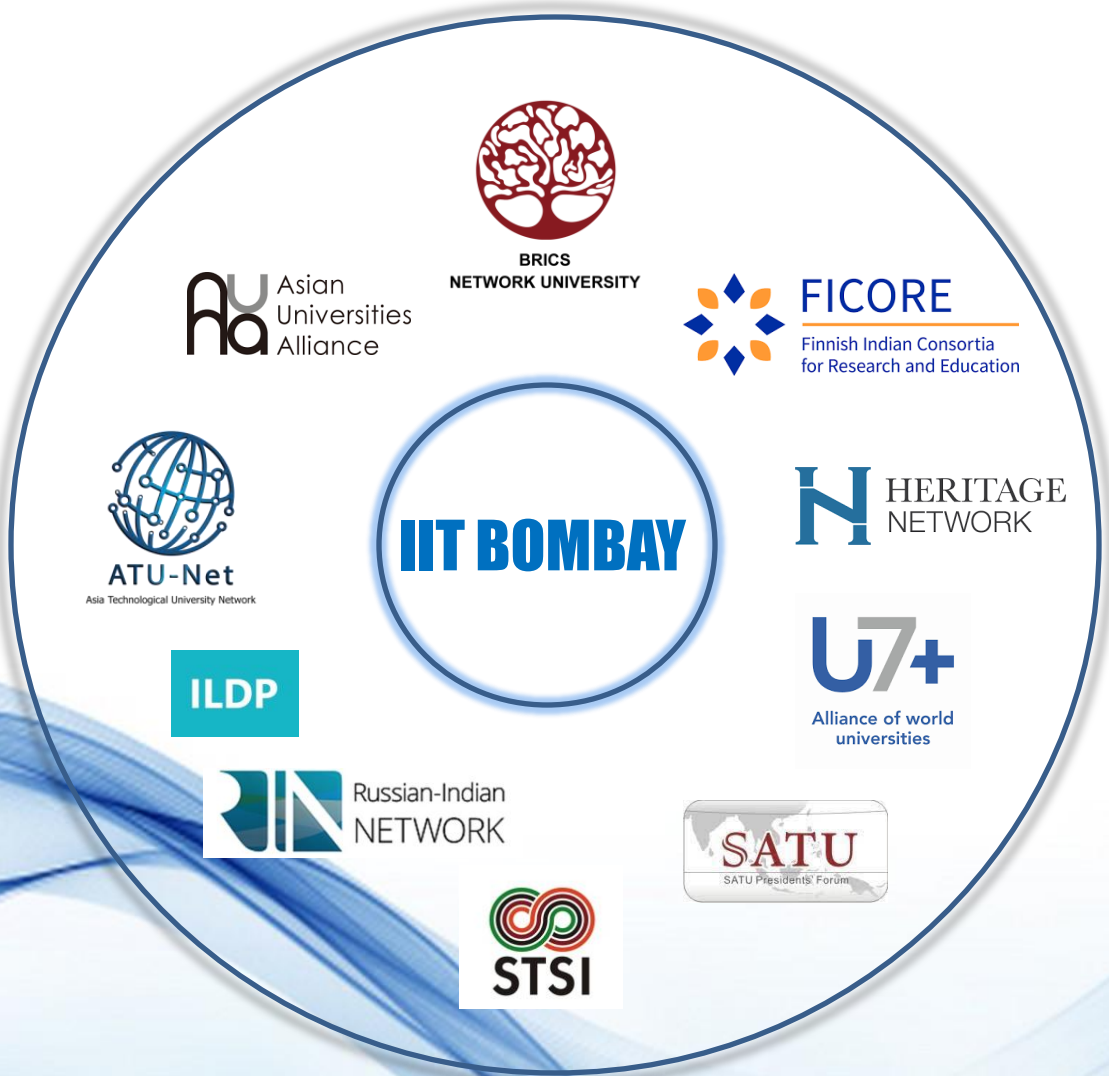
International NETWORK & ALLIANCES

International COLLABORATION

International STUDENTS

| Student/Scholar for post graduate studies from	Student/Scholar Exchange for course work/ project work studies from	
Degree Program– Inbound	**Exchange Program – Inbound**	**Exchange Program - Outbound**
Afghanistan	Australia	Australia
Bangladesh	Brazil	Belgium
Bhutan	Canada	Canada
Cambodia	Denmark	Denmark
Ethiopia	Finland	Finland
Guyana	France	France
Indonesia	Germany	Germany
Iran	Hong Kong	Hong Kong
Ivory Coast	Italy	Indonesia
Japan	Japan	Italy
Mongolia	Netherlands	Japan
Myanmar	Norway	Norway
Nepal	Singapore	Singapore
Sri Lanka	Slovakia	South Korea
Sudan	Sweden	Spain
Syria	Switzerland	Sweden
Tanzania	Taiwan	Switzerland
USA	Turkey	Turkey
Vietnam	United Kingdom	United Kingdom
Yemen	USA	USA

- IIT Bombay is the preferred choice for engineering students – 47 of top 50 JEE rankers joined IITB in 2022

- A Flexible UG curriculum: minors, Interdisciplinary Dual Degree Program (IDDDP)

- Hands-on experience: Maker's Lab, E-Cell, Clubs, MI, Techfest

- International competition participation

Growth

Education @ IIT BOMBAY
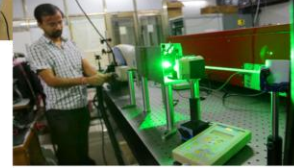
IIT Bombay offers Postgraduate and Doctoral programmes in various academic units of IIT Bombay

Engineering
Aerospace Engineering
Chemical Engineering
Civil Engineering
Computer Science & Engineering
Electrical Engineering
Energy Science and Engineering
Environmental Science & Engineering
Mechanical Engineering
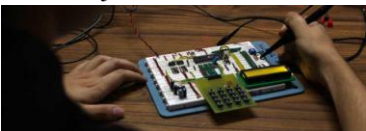Metallurgical Engineering & Materials Science

Sciences
Biosciences & Bioengineering
Chemistry
Earth Sciences
Mathematics
Physics

Humanities, Design, Management
Economics
Humanities & Social Science
IDC School of Design
Shailesh J. Mehta School of Management

Interdisciplinary Programs
Climate Studies
Centre for Machine Intelligence & Data Science
Desai Sethi School of Entrepreneurship
Educational Technology
Industrial Engineering & Operations Research
Systems & Control Engineering
Policy Studies
Urban Science & Engineering
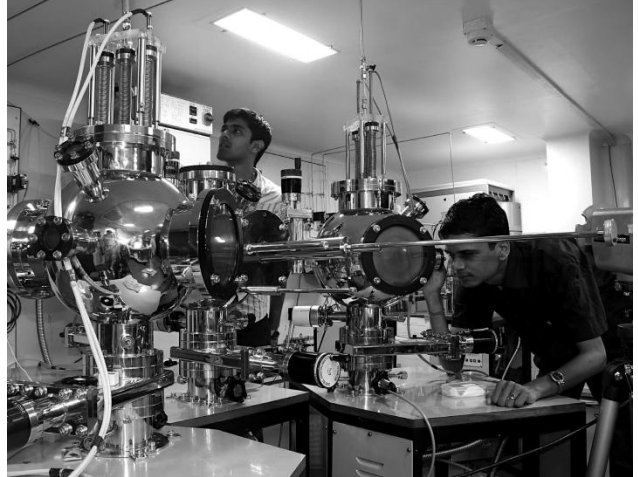
Academic & Research @ IIT BOMBAY

IIT Bombay offers Postgraduate (M.Tech., M.Des., M.B.A., M.Sc., M.P.P., M.A.), and Doctoral (Ph.D.) programmes in various academic units of IIT Bombay

Semester	Degree Programmes	Application Deadlines (every year)
Autumn (Jul-Nov)	M.Tech., M.B.A., M.Des., and Ph.D.	1 January - 31 March
Spring (Jan-May)	Ph.D.	1 September - 31 October

The academic division of IIT Bombay can be visited at https://www.iitb.ac.in/en/education/academic-divisions
Application portal for degree program: https://portal.iitb.ac.in/intadm/login

The IR Office organizes Info Session prior to the admission season to showcase IIT Bombay Academic & Research facilities. This gives a brief about institute to prospective candidates.

Degree Programmes

M.Tech.

M.Des.

M.B.A.

M.B.A. (Executive)

M.P.P.

M.S. by Research

M.A. by Research

M.Tech. + Ph.D. (Dual Degree)

M.Sc. + Ph.D. (Dual Degree) in Energy

M.A. + Ph.D. (Dual Degree) in Philosophy

Ph.D.

Admission @ IIT BOMBAY

Scholarship for Foreign National Students

- Indian Council for Cultural Relations (ICCR) (Government of India)
- Study in India (SII) (Government of India)
- Doctoral-fellowship in India for ASEAN (DIA) (Government of India)
- Foreign Government Sponsorships
- Ph.D. Program under Institute Foreign Teaching Assistantship (TA) category

Indian Council for Cultural Relations (ICCR) Scholarship (Government of India):

Candidates desirous of admission under this Fellowship Programme are required to apply through the Indian High Commission/Embassy as the case may be, in their respective Countries. The Commission/Embassy will send the application to Indian Council for Cultural Relations (ICCR), Government of India and then ICCR will forward the application/s to the Academic Office at IIT Bombay for consideration. In case the candidate is found suitable for admission, an offer letter will be sent to him/her through ICCR, New Delhi. ICCR scholarship provides a monthly stipend and tuition fee waiver.
website of ICCR: http://a2ascholarships.iccr.gov.in/home/getAllSchemeList

Study in India (SII) Scholarship (Government of India):

The Study in India (SII) program has designed a framework to award scholarships and tuition fee waivers for meritorious students applying for Master's or Ph.D. programs at IIT Bombay.
website of SII: https://www.studyinindia.gov.in/scholarships/FeeWaiversandConcessions/Scholarship

Doctoral-fellowship in India for ASEAN (DIA) (Government of India):

There is a special scheme for scholars from ASEAN countries to apply for Ph.D. fellowships in IITs. The scheme aims to strengthen the deep and historical relations between India and ASEAN countries. Applicants may apply online and the selected ones will get a chance to finish their Ph.D. with funding at par with their Indian counterparts from the Government of India. The funding includes a monthly stipend and an annual research grant for up to 5 years of their Ph.D. programme.
website of ASEAN: https://asean-iit.in/

Foreign Government Sponsorships:

The application should be submitted to the Academic Office at IIT Bombay, either by the candidate or the sponsoring authority. In case the candidate is found suitable for admission, an offer letter will be sent to the candidate or the sponsoring authority as the case may be.

Ph.D. Program under Institute Foreign Teaching Assistantship (TA) category:

Students who wish to pursue Ph.D. at IIT Bombay can also apply under the Institute TA category. The teaching assistantship (TAship) is for a maximum duration of 5 years or up to the thesis submission, whichever is earlier. The monthly rate of assistantship is INR 31000/- for the first two years and an enhanced assistantship of INR 35000/- for the remaining period.
visit IIT Bombay's page. Link: https://www.iitb.ac.in/newacadhome/foreignnational.jsp

Scholarships @ IIT BOMBAY

Academic Unit
Aerospace Engineering
Biosciences and Bioengineering
Centre for Urban Science and Engineering
Centre of Studies in Resources Engineering
Chemical Engineering
Chemistry
Civil Engineering
Climate Studies
Computer Science and Engineering
Earth Sciences
Economics
Educational Technology
Electrical Engineering
Energy Science and Engineering
Environmental Science and Engineering
Humanities and Social Sciences
IDC School of Design
Industrial Engineering and Operations Research
Koita Centre for Digital Health
Mathematics
Mechanical Engineering
Metallurgical Engineering and Material Sciences
Nanotechnology and Science
Physics
Policy Studies
Shailesh J. Mehta School of Management
Systems and Control Engineering
Technology and Development

Ph.D. PROGRAM

Master programmes are offered in various academic units of IIT Bombay

Degree	Program	Academic Unit
M.Tech.	[Aerodynamics], [Aerospace Propulsion], [Aerospace Structure], [Dynamics & Control]	Aerospace Engineering
	[Chemical Engineering]	Chemical Engineering
	[Geotechnical Engineering], [Structural Engineering], [Transportation Systems Engineering], [Water Resources Engineering], [Ocean Engineering], [Construction Technology & Management]	Civil Engineering
	[Computer Science & Engineering]	Computer Sciences and Engineering
	[Geo-exploration], [Petroleum Geo-sciences]	Earth Sciences
	[Communication Engg], [Power Electronics & Sys.], [Microelectronics], [Electronic Sys.], [Control & Comp.]	Electrical Engineering
	[Energy Systems Engineering]	Energy Sciences and Engineering
	[Manufacturing Engineering], [Design Engineering], [Thermal & Fluids Engineering]	Mechanical Engineering
	[Materials Scinece], [Corrosion Science & Engineering], [Process Engineering], [Steel Technology]	Metallurgical Engineering and Material Sciences
	[Biomedical Engineering]	Biosciences and Bioengineering
	[Geoinformatics & Natural Resources Engineering]	Center for Studies in Resource Engineering
	[Urban Design & Engineering]	Centre for Urban Science and Engineering
	[Technology & Development]	Centre for Technology Alternatives for Rural Areas
	[Industrial Engineering & Operational Research]	Industrial Engineering and Operational Research
	[System & Control Engineering]	Systems and Control Engineering
M.Sc.	[Applied Geology], [Applied Geophysics]	Earth Sciences
	[Biotechnology]	Biosciences and Bioengineering
	[Chemistry]	Chemistry
	[Applied Statistics & Informatics], [Mathematics]	Mathematics
	[Physics]	Physics
	[Environmental Science & Engineering]	Environmental Science and Bioengineering
	[Operational Research]	Industrial Engineering and Operational Research
Dual Degree M.Sc.+ Ph.D.	[Energy Science and Engineering]	Energy Sciences and Engineering
	[Environmental Science and Engineering]	Environmental Science and Bioengineering
M.Phil.	[Planning and Development]	Humanities and Social Science
M.Des.	[Communication Design], [Mobility and Vehicle Design], [Interaction Design], [Animation], [Industrial Design]	IDC School of Design
M.B.A.	[Master of Business Administration]	Shailesh J. Mehta School of Management

Master PROGRAM

IIT Bombay have provision of degree program with our partner universities. These bilateral degree programs are:

Ph.D. co-supervision Program   **Joint Doctoral Degree Program**
Cotutelle Ph.D. Program   **Joint Master's Degree Program**

The Institute has many research collaborations with leading universities in Europe, Japan, USA, and other East Asian countries. As part of these collaborations, the post graduate students get opportunities to carry out joint research projects with faculty and students from these universities.

IIT Bombay has collaboration with the following foreign universities

Ph.D. co-supervision Program
The University of Sydney, Australia
University of Alberta, Canada
Technische Universität Braunschweig, Germany
The Abdus Salam ICTP, Italy
Hiroshima University, Japan
Korea Institute of Science and Technology, Korea
National Chiao Tung University, Taiwan
United Arab Emirates University, UAE
Nottingham Trent University, UK
Washington University in St. Louis, USA
Rensselaer Polytechnic Institute, USA
Washington University in St. Louis, USA
The Ohio State University, USA

Cotutelle Ph.D. Program
Curtin University, Australia
Université du Québec à Trois-Rivieres, Canada
The University of Newcastle, Australia
University of Wollongong, Australia
Samara National Research University, Russia
National Taiwan University, Taiwan
National Tsing Hua University, Taiwan
National Chiao Tung University, Taiwan
Nottingham Trent University, UK

Joint Doctoral Degree Program
Monash University, Australia
National University of Singapore, Singapore
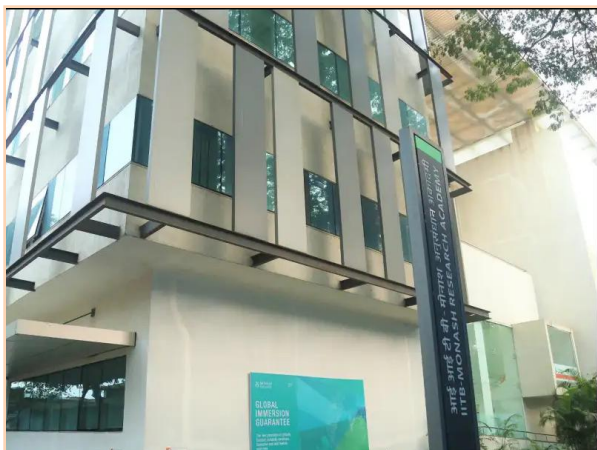Nanyang Technological University, Singapore

Joint Master's Degree Program
Washington University in St. Louis, USA

Education @ IIT BOMBAY

IITB-Monash
Research Academy

An Indian-Australian research partnership

The Academy has state of the art facilities like a Cisco Tele-presence room, video-conference rooms, a seminar room, workstations, well-equipped laboratories, an Atrium, and a leisure area.

Our students enjoy the best of two worlds. In this joint program, a student typically spends 3 years in IIT Bombay and 1 year in Monash University.
Source: https://www.iitbmonash.org/

A unique global research institute

IITB and Monash University's joint venture PhD program is unique in terms of size and scale. Through collaborative research projects the academy produces a highly talented pool of graduates who are currently taking on world challenges in fields as diverse as novel approaches to drug delivery and sustainable forms of energy production.

The joint PhD program attracts up to 4000 applications for up to 50 places per year. IIT Bombay granted 217 joint PhD along with Monash University.

IITBM Research Theme:
- Artificial Intelligence and Advanced Computational Modeling
- Clean Energy
- Health Sciences
- Smart Materials
- Sustainable Societies and Management
- Circular Economy
- Infrastructure Engineering

Education @ IIT BOMBAY

Short Term Programs i.e. **Winter School** and **Summer School** aims to improve the visibility of the Institute by showcasing its strengths, mainly, the rigor of our academic courses and/or existing research facilities at IIT Bombay. The program offers interesting courses on some of the current topics by the faculty members of our institute during the winter and summer breaks each year. Vast benefits are presented to the participant under the program including study material exchange, one on one discussion with the faculty member, highly informative lecture/quiz/assignment, and e-participation certificates.

At IIT Bombay, Winter School is usually held between December/January, and Summer School is usually held between June/July every year. These short-term programs are designed for senior undergraduate and postgraduate level students. The contact hours may vary between 15 to 60 hours for a maximum of 15 days. An interested faculty member of IIT Bombay submits their course proposal to the Dean IR for upcoming sessions. Interested students may write to us (e-mail: dean.ir.office@iitb.ac.in) in expressing topics to cover.

Summer SCHOOL
Winter SCHOOL

Bangladesh
Bhutan
Brazil
Brunei
Bulgaria
China
Denmark
Ethiopia
Germany
Guyana
Indonesia
Iran
Japan
Malaysia
Netherland
Nigeria
Philippines
Russia
Sri Lanka
Sweden
Syria
Taiwan
Turkey
Uganda
United Kingdom
Uzbekistan
Vietnam
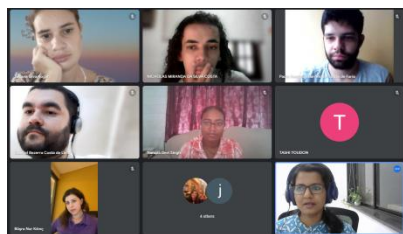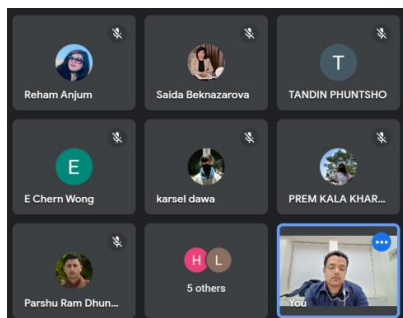
INDIAN INSTITUTE OF TECHNOLOGY BOMBAY offers

SUMMER SCHOOL ONLINE-2022

The international Relations of IIT Bombay, India is organizing 2022 Summer school that will cover the topics of Structural Geology, Data Flow Analysis, Introduction to Numerical Optimization, Carbon Capture Utilization and Sequestration (CCUS) by the faculty experts in respective fields.

☑ Live Online
☑ Registration
☑ Certificate

Register to secure your seat at https://www.ir.iitb.ac.in

Short Term PROGRAM

IIT Bombay has Memorandum of Understanding (MoU) signed with a number of universities worldwide and we leverage these MoUs to provide international exposure to our students. We promote International Relations activities among our students in several ways such as Semester-long Student Exchanges, Study Tour Exchanges, International Conferences and Competitions.

Inbound STUDENT

Students at all levels (undergraduate as well as post graduate), irrespective of nationality, but registered for a degree in an Institute abroad, be considered as international students under the category of 'Visiting Students'.

A visiting student can carry out course work at IIT Bombay for a semester or spend upto a maximum of two semesters. There is no limitation on the duration of project work that can done at IIT Bombay.

Visiting students joining IITB for course work can check the list of courses offered at IITB at https://portal.iitb.ac.in/asc/Courses (Courses are listed under the respective Departments). The list of courses to be offered by Departments in each semester is finalized and announced only a few days prior to the beginning of the semester.

Outbound STUDENT

In the semester-long exchange programs, students are given an opportunity to complete a semester in one of the partner universities and have a global learning experience, studying with students coming from different countries across the globe.

Students of IIT Bombay interested in participating in Exchange programs of IIT Bombay with international universities need to start preparing for it well in advance.

Students can do course work and/or project work at an Institution with whom IIT Bombay has an MoU. For doing project/research work at a Host institution the onus of finding a guide rests with the student. They also need the concurrence of the project guide at IIT Bombay if they wish to submit their work done abroad towards their degree and get credits for it.

Student EXCHANGE

ACADEMIC CALENDAR		
Duration	**Semester 1**	**Semester 2**
Term	2nd week of July to last week of November	1st week of January to last week of April
Orientation	3rd week of July	1st week of January
Classes	3rd and 4th week of July to Mid November	1st week of January to Mid April
Exams	Mid-end of November	Mid-end of April
* Please refer Academic Calendar for detailed information: https://www.iitb.ac.in/newacadhome/toacadcalender.jsp		

APPLICATION and DEADLINES	
For course work	**For project work**
Autumn Semester (Jul - Nov): 31 Mar (every year) Spring Semester (Jan - Apr): 30 Sep (every year)	Applications accepted throughout the year. The applications should be sent to us at least 2 months prior to the expected date of start of the project.
Application documents should be send to dean.ir.office@iitb.ac.in Nomination and Application package should be sent by e-mail to dean.ir.office@iitb.ac.in	

COURSE LOAD, SELECTION, and ENROLLMENT	
Course Load for undergraduate / graduate studies (most courses are of 6 credits, half semester courses are of 3 or 4 credits)	Minimum no. of credits to be taken in a semester – 15 credits Maximum no. of credits that can be taken in a semester – 40 credits Recommended credits for exchange and study abroad students is 15-30 credits (normally 3 to 5 courses)
Course Selection	At time of application, students will list their preferred courses.
Course Enrollment	Students will be registered manually to the courses selected by them. The registration process will be informed to the students after their joining.

ADMISSION and VISA	
Admission	Once accepted by the department of host institutes, the students will receive their Offer Letter as follows: Autumn admission: by/before end of May Spring admission: by/before end of November
Visa	Visiting / Exchange student must apply for a 'Student Visa' (not 'Tourist Visa'). Detailed information is available at: https://boi.gov.in/content/foreigners

OTHER INFORMATION
• Exchange student will be provided on campus accommodation upon their arrival as per availability. • Exchange student will be provided only OPD facility at IIT Bombay Hospital. Student should obtain a personal insurance policy, covering sickness and accidents before arrival at IIT Bombay.

SUPPORT PROVIDED by the IR OFFICE
Once accepted as a visiting / exchange student at IIT Bombay, the IR Office will coordinate with the student to provide the following facilities: • Send Admission Offer Letter for visa purpose, • Arrange Airport pick up, • Arrange Hostel accommodation, • Assist with FRRO registration process, • Connect students with a 'buddy' at IIT Bombay to ease the transit process, • Help in getting Identity card, • Help with free Network connectivity, after arriving on campus, • Send grade cards after completion of exchange visit, • Any other related assistance required before, during, and after the exchange / visit period. Kindly inform your arrival date/time two weeks in advance to avail the above support.

Inbound-Student EXCHANGE

Outbound Student –
Danmarks Tekniske Universitet, Denmark

Outbound Student –
University of Toronto, Canada

Outbound Student –
Politecnico di Milano, Italy

Outbound Student –
NTU, Singapore

**Outbound Student –
Koc University, Turkey**

Outbound-Student EXCHANGE

Internship in

China
Denmark
Europe
France
Germany
Hong Kong
Ireland
Italy
Japan
Netherlands
Singapore
South Korea
Sweden
Switzerland
UK
USA

Companies of various business sectors offer internship positions to the students. This option presents an opportunity to gain industrial exposure and broaden one's skill-set in the domain of interest. A few years ago, the Institute started the credit-based internship program, by means of which the students could leverage the performance in their internship towards the academic credit requirement.

271

924
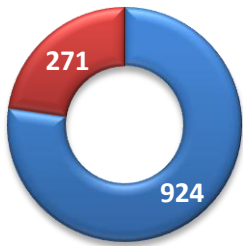
■ Summer Internships   ■ Winter Internships

110

1085
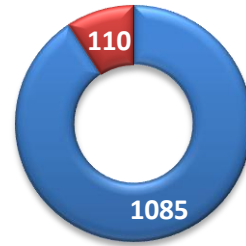
■ Company Offers   ■ Univeristy Offers

1195 Internships Offered (in 2021-2022)

Internship	Duration
Summer Internship	max. 8 weeks (May - Jul mid)
Winter Internship	max. 4 weeks (Dec)
Undergraduate, Postgraduate, and Ph.D. students apply for the internship by their own interest in universities and companies.	

Student INTERNSHIP

IIT Bombay organizes Institute Colloquium, Institute Lecture, Named Lecture – A glimpse of it

The Institute Lecture Series unites IIT Bombay students and the broader community with some of the top thinkers of our time. This is a space where our highest values – open discussion and diverse representation of thought – come to life.

Prof. Dara Entekhabi, Massachusetts Institute of Technology (MIT), USA
- **Institute Lecture**

Prof. Charlie Jeffery, Vice-Chancellor and President, University of York, UK
- **University President's Seminar Series**

Prof. Gérard Berry, Collège de France, Italy
- **Institute Colloquium**

Prof. Kenji Hata, National Institute of Advanced Industrial Science and Technology (AIST), Japan
- **Institute Colloquium**

Dr. Huey-Jen Jenny Su, President, National Cheng Kung University (NCKU), Taiwan
- **Vice Chancellor's Seminar Series**

Prof. Rakesh Agrawal, Purdue University, USA
- **Named Lecture**

Prof. Pradeep Khosla, Chancellor, University of California, USA
- **Vice Chancellor's Seminar Series**

Institute faculty and researcher engaged in international Conferences, Workshops along with Institute Lecture, Colloquium, etc.

Faculty EXCHANGE

Administrative staff mobility between IIT Bombay and its International Partner Universities

The Erasmus+ International Credit Mobility (ICM) with Partner Countries, also known as Erasmus+ Global Mobility and promoted by the European Union, refers to the mobility of students, researchers, and staff between European higher education institutions and non- European (bi-lateral) partners is aimed at enhancing the bilateral cooperation between the two institutions.

This staff exchange program allows the staff to exchange and learn the best practices and implement them for the growth of the institute and self.

Staff EXCHANGE

Office of International Relations organizes the language courses for the campus community, consisting of students, faculty, staff, and occasionally family members of institute employees

At this point, there are five language courses being offered:

- ✓ **French**
- ✓ **German**
- ✓ **Japanese**
- ✓ **Chinese (Mandarin)**

The Language Courses are 100 hours course per batch. The batches are categories as Beginners, Intermediate, and Advanced Batch.

These batches are divided into Two Modules:

Batches	Duration	Classes
Beginners	100 hours	The participant learns basic oral and written expressions, phonetics, grammar, and vocabulary.
Intermediate	100 hours	For the participant who have already completed 100 hours of beginner course.

Module	Duration	Classes
Module - I	50 hours	Autumn Semester (25 classes)
Module - II	50 hours	Spring Semester (25 classes)

General Guidelines:

Classes held twice a week for 2 hours a day in the evening slots (during 5:00-9:00 pm). The classes being conducted in assigned lecture hall and tests being conducted in every module. Attendance for all the tests is compulsory. A minimum of 50% is required in the tests for issuance of certificates. Issuing the certificate at the end of the year subject to:

- A minimum of 60% test score
- 50% attendance i.e. min. 50 hours

Detailed information about class schedule disseminates to enrolled students and staff members of the institute via an email by International Relations office (dean.ir.office@iitb.ac.in).

Language COURSES

Academic Units
16 Departments, 3 Schools, 6 Centres, and 4 Interdisciplinary Groups

Academic Units of IIT Bombay offers wide range of Academic and Research areas to pursue

Departments

Aerospace Engineering
Biosciences & Bioengineering
Chemical Engineering
Chemistry
Civil Engineering
Computer Science & Engineering
Earth Sciences
Economics
Electrical Engineering
Energy Science & Engineering
Environmental Science & Engineering
Humanities & Social Sciences
Mathematics
Mechanical Engineering
Metallurgical Engineering & Materials Science
Physics

Schools

Desai Sethi School of Entrepreneurship
IDC School of Design
Shailesh J. Mehta School of Management

Centre

Centre for Research in Nanotechnology & Science
Centre of Studies in Resources Engineering
Centre for Technology Alternatives for Rural Areas
Centre for Urban Science & Engineering
Centre for Machine Intelligence & Data Science
Ashank Desai Centre for Policy Studies
Centre for Liberal Education
Koita Centre for Digital Health

Interdisciplinary

Climate Studies
Educational Technology
Industrial Engineering & Operations Research
Systems & Control Engineering

Academic & Research @ IIT BOMBAY

ACADEMIC

CSRE

GISE HUB | Geospatial Information Science & Engineering

CTARA
Centre for Technology Alternatives for Rural Areas

CFDVS

CQuIST

IIT BOMBAY
Centre *for*
Liberal Education

CENTRE OF EXCELLENCE
MEMBRANE TECHNOLOGIES FOR DESALINATION
DeSalt M.
जलमेव जीवनम्

IITB-Monash
Research Academy

National Centre for Mathematics

SEMIX

C-MInDS

WICTRE

CUSE

PUBLICLY FUNDED

BETiC

CRNTS

SAIF

NCPRE

Center of excellence in oil, gas and energy

COPT

NCoE-CCU

CoEST

CASDE

IITBNF

CCES

NCETIS

N MEICT
National Mission on Education Through ICT

Q Centre for Quantum Information Computing Science & Technology

PRIVATELY FUNDED

IIT Bombay
WRCB

Forbes Marshall
Energy Efficiency Centre

Ashank Desai
Centre *for* **Policy Studies**
Indian Institute of Technology Bombay
Insight ◆ Dialogue ◆ Impact

Parimal and Pramod Chaudhari
Centre for Learning and Teaching

KCD+H
KOITA CENTRE FOR
DIGITAL HEALTH

Tata Centre for Technology and Design
IIT Bombay

IITB-TTSL
Center for Excellence in Telecom

TECHNOCRAFT
INDUSTRIES INDIA LTD.

IIT BOMBAY
NCAIR

S C A N
Sunita Sanghi Center of Ageing and Neurodegenerative Diseases

Centres of EXCELLENCE

Biomedical Engineering and Technology Innovation Centre (BETiC)
Integrated facilities for design, analysis, prototyping and testing of medical devices. Funded by DST & Maharashtra Govt.

Centre for Research in Nanotechnology and Science (CRNTS)
At IIT Bombay, over 45 faculty members from 9 different departments/schools are working together in the broad areas of Nanotechnology, with support from various government agencies are private industries. Some of the research activities at IIT Bombay in the Nanotechnology area are on par with some of the best institutions in the world.

Centre for Aerospace Systems Design and Engineering (CASDE)
The CASDE was set up at the Department of Aerospace Engineering, IIT Bombay in July 1998 on the invitation of the Aeronautics Research and Development Board (ARDB), Ministry of Defence, GoI. The Centre is funded through a grant-in-aid project by the ARDB.

Centre for Computational Engineering and Science (CCES)

CCES

The CCES, housed at the Department of Civil Engineering, and seed funded by the Board of Research in Nuclear Sciences (BRNS), is a central facility to facilitate and consolidate research activities across all disciplines and departments. It specially focuses on aiding high-tech numerical work in analytical research in varied areas.

CoE on Membrane Technology for Desalination, Brine Management, and Water Recycling (DeSaltM)
The centre has been established with the aim of developing state-of-the-art technologies with five IITs (IITB, IITD, IITKGP, IITT, and IITH) and other stakeholders from industries and NGOs to provide various desalination, brine management, and water recycling technologies.

National Centre of Excellence in Nanoelectronics Network for Research and Application (NNetRA)
Initiative by Ministry of Electronics & Information Technology (MeitY) to push the frontiers of nanoelectronics through basic research in this field; to engage in nano electronic device and system.

Centre of Excellence in Steel Technology (COEST)
For R&D in steel technology and creation of high quality manpower for the industry. Funded by Ministry of Steel, GoI

Centres of EXCELLENCE

Centre of Excellence in Oil, Gas, and Energy (CoE-OGE)
To provide a competitive advantage to India's oil and gas sector by identifying indigenous solutions and energy resources to cater the challenges faced. Funded by India's seven blue-chip oil firms including IOCL, BPCL, HPCL, GAIL, ONGC, EIL & OIL

Ashank Desai Centre for Policy Studies (ADCPS)
Policy Studies is a relatively nascent discipline in India. Given the increasing complexities of the economy, international relations, technology, and governance, it is imperative that this discipline takes firm roots in our polity and society.

Centre for Machine Intelligence and Data Science (C-MInDS)
Set up to nurture talent pool in artificial intelligence, data science, and related areas in different application domains.

Centre of Studies in Resources Engineering (CSRE)
Modern technologies like Geographic Information System (GIS), Global Positioning System (GPS), Satellite image processing and Remote Sensing, are extensively used in the Centre's in teaching, research, consultancy and continuing education programmes.

Centre for Technology Alternatives for Rural Areas (CTARA)
CTARA has over the years developed relations with various Governmental Departments at the Centre and State; Industrial Houses, Non-governmental Organizations/Community Based Organizations.

Centre for Formal Design and Verification of Software (CFDVS)
The Centre has been set up with the broad aim of carrying out R&D activities in the area of quality software development with special focus on formal verification techniques for safety-critical applications. Formal verification methods are founded on rigorous mathematical techniques and hence enable development of quality software.

DRDO-Industry-Academia Centre of Excellence (DIA-COE)
The Centre of Propulsion Technology (CoPT) renamed to DIA-COE recently. It aims at spearheading fundamental and applied research related to aerodynamic design and performance analysis of various components and technologies associated with aerospace propulsion devices. Funded by DRDO, GoI

Centre for Urban Science and Engineering (C-USE)
The research activities of the Centre focus on understanding urban issues and work towards new products and solutions related to housing, transport, water management, energy efficiency, urban informatics, health, governance, urban poverty, and citizen science while mitigating the effects of natural disasters and climate change.

Centres of EXCELLENCE

Centre for Liberal Education (CLE)

Facilitates interdisciplinary studies in the Liberal Arts, Sciences, and Engineering (LASE) program, enabling the freedom to specialize in ground breaking, cross-cutting fields such as AI and EdTech or Healthcare Engineering.

Centre for Quantum Information, Science, and Technology (CQuIST)

CoE-QuICST brings together a diverse team of experts, from both science and engineering departments of IIT Bombay, to foster a multi-faceted QST research and development (R&D) ecosystem. It is envisioned to amalgamate this diverse set of expertise, to contribute in a systematic manner, to the National Mission on Quantum Technologies and Applications.

Geospatial Information Science and Engineering

An interdisciplinary project to enable Geospatial Technology Solutions. This centre is sponsored by the Ministry of Science and Technology, GoI. GISE hub and spoke model aims to work together with different groups to collectively elevate geospatial technology use in society.

IITB Centre For Semiconductor Technologies (SemiX)

SemiX enables semiconductor industry focussed R&D, workforce development and entrepreneurship by serving as a common interdisciplinary platform to integrate the energies of (a) Multiple involved academic disciplines, (b) Indian semiconductor consumers and creators, (c) Academicians, entrepreneurs, investors, and government policy makers.

Koita Centre for Digital Health (KCDH)

Set up under the aegis of the Koita Foundation; research focus areas are clinical applications (including electronic patient records and medical imaging), healthcare data management (including data privacy and security), healthcare analytics, healthcare AI/ML, consumer health, public health, and public policy.

National Centre for Aerospace Innovation and Research (NCAIR)

Aims to provide economically viable, sustainable solutions to Indian aerospace manufacturers Founding members DST, IITB, Boeing, HAL, and NAL

National Centre of Excellence in Carbon Capture and Utilization (NCoE-CCU)

Hub for state-of-the-art research and application-oriented initiatives to accelerate efforts towards carbon dioxide capture, compression, transport, and utilization in enhanced hydrocarbon recovery as co-benefit pathways. Funded by DST, GoI

Centres of EXCELLENCE

National Centre of Excellence in Technology for Internal Security (NCETIS)
Takes up activities towards developing indigenous technology and self-sufficiency in the areas of Electronics Systems Design and Engineering for the strategic sector of internal security.

National Centre for Photovoltaic Research and Education (NCPRE)
Provides R&D and educational support for India's ambitious 100 GW solar mission. Funded by MNRE, GoI

Parimal & Pramod Chaudhari Centre for Learning & Teaching (PPCCLT)
Aims to facilitate and support pedagogy by promoting innovation, evidence - based practices and collaboration; activities cover research in teaching & learning, development and assessment of academic programs & curriculum, development of teaching methods for large classes, teaching with technology & software, employing inclusive teaching strategies, etc.

Sunita Sanghi Centre of Ageing and Neurodegenerative diseases (SCAN)
Aimed towards timely detection and treatment of neurodegenerative disorders in the elderly.

Tata Centre for Technology and Design (TCTD)
Aims to develop solutions to challenges faced by resource constrained communities using an end-to-end innovation approach. Supported by Tata Trusts.

Technocraft Centre for Applied Artificial Intelligence (TCAAI)
To foster collaboration in applied Artificial Intelligence (AI) through research and outreach, using the expertise of faculty in AI, decision sciences, machine learning and optimisation.

Wadhwani Research Centre for Bioengineering (WRCB)
Inter-departmental virtual centre focusing on technology translation in the broad domain of healthcare delivery, with emphasis on technology innovation and commercialisation.

Water Innovation Centre: Technology, Research, and Education (WICTRE)
Aims at innovation through excellence in sustainable water purification technologies to solve water related problems for society. Funded by DST, GoI

Centres of EXCELLENCE

International courses are available to participants from abroad. These are offered in the following modes:

1. contact open courses launched with a in-country partner outside India,
2. live online open courses offered jointly with a foreign university/institute, and
3. in-house contact/online courses offered for a specific organization abroad.

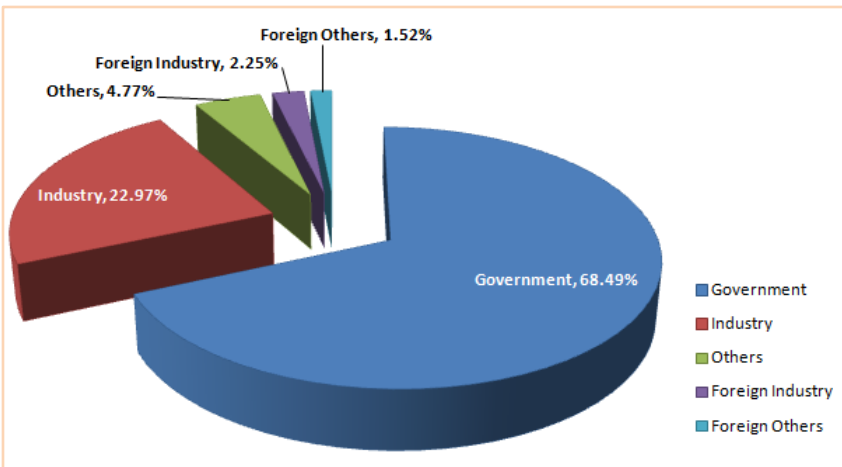If you represent a foreign company/organization and are looking for an in-house course for your staff members, please visit https://www.cep.iitb.ac.in/

Wings of EDUCATIONAL OUTREACH

IIT Bombay has made concerted efforts to align its R&D focus with the national goal of achieving technological self-reliance. Students and faculty conduct research projects in thrust areas of science and engineering. The institute has ongoing academic and research collaborations with many national and international universities, governments, and industries in order to keep pace with expanding frontiers of knowledge and global developments; it is also constantly in touch with national needs.

The research funding and industrial interactions of the institute are managed by the Industrial Research and Consultancy Center (IRCC). Visit for details regarding available areas of expertise, consultancy services, research facilities, technologies for transfer and licensing, research internship, and industry research partnership.

- Research Highlights
- Entrepreneurship
- COVID - related R&D Work by CFTI's
- IITB Research Park
- Laboratory Safety
- Sophisticated Analytical Instruments Facility (SAIF)

Types of funding agencies & percentage contribution for R&D receipts (Sponsored Projects + Consultancy Projects)

Research and Development (R&D) at IIT Bombay has evolved and flourished over the decades since the Institute's inception in 1958. The synergy of academics and research has catapulted the Institute into the illustrious circle of world-class institutions. Apart from offering viable solutions to various government sectors, industry and to society, IIT Bombay pursues basic research leading to knowledge generation that lays the foundation for empowering India as a nation to be technologically confident and self-reliant.

R & D Receipts

Funding received for R&D activity in **FY 2021-22 is Rs 329.1 crores.** This includes grants received for newly sanctioned as well as ongoing projects.
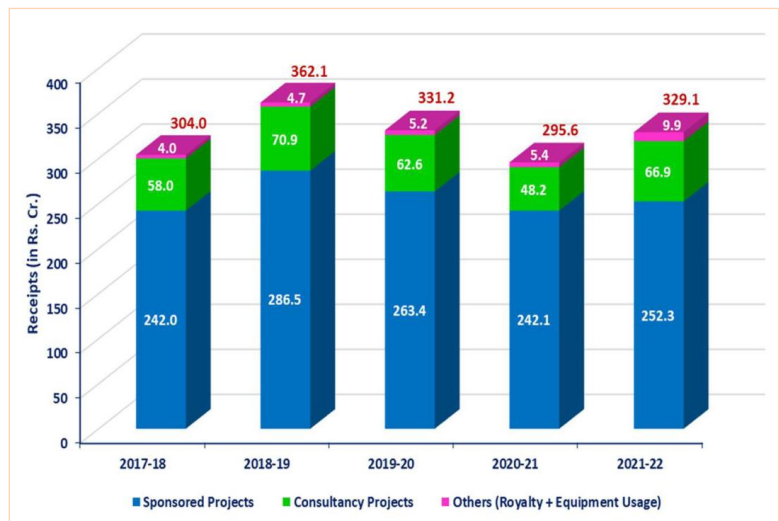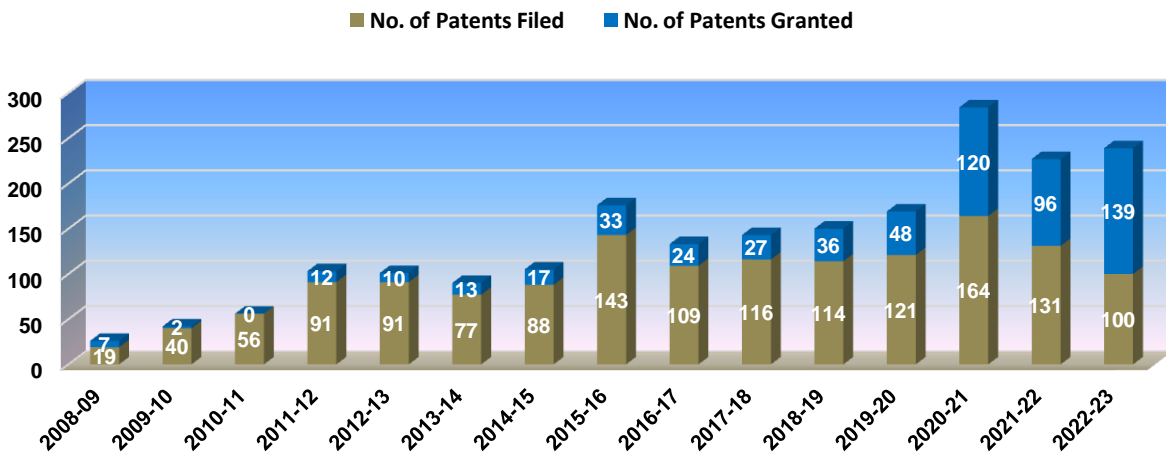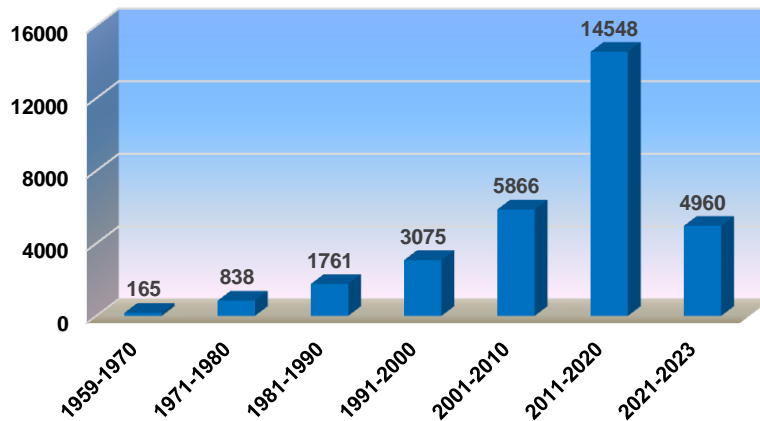

Research & DEVELOPMENT

Patents

(Period 1/1/1997 to 1/12/2022)
- Indian patent applications: 1458
- Foreign patent applications: 219
- PCT applications: 138
- Patents granted (Indian + Foreign): 455 + 131
- Others under process

Patent (2008-2023)

■ No. of Patents Filed ■ No. of Patents Granted

Year	No. of Patents Filed	No. of Patents Granted
2008-09	19	7
2009-10	40	2
2010-11	56	0
2011-12	91	12
2012-13	91	10
2013-14	77	13
2014-15	88	17
2015-16	143	33
2016-17	109	24
2017-18	116	27
2018-19	114	36
2019-20	121	48
2020-21	164	120
2021-22	131	96
2022-23	100	139

Publications (Growth in 3 decades)

Period	Publications
1959-1970	165
1971-1980	838
1981-1990	1761
1991-2000	3075
2001-2010	5866
2011-2020	14548
2021-2023	4960

Research & DEVELOPMENT

IIT Bombay – Industry Interactions for R&D

Around 335 Indian and international industries approached IIT Bombay for partnership through collaborative R&D projects and consultancy services.

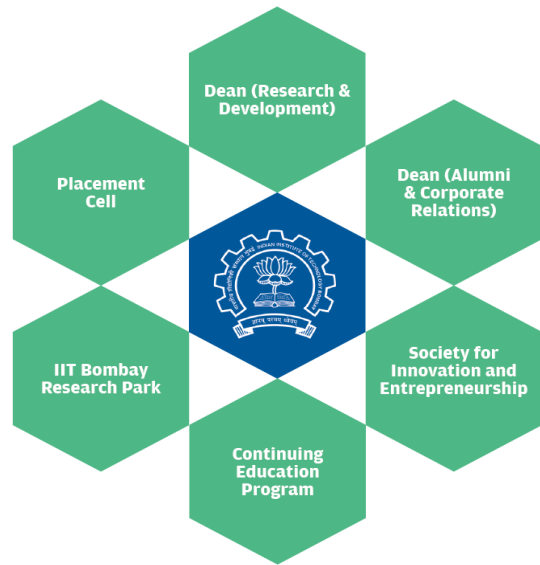## Industry Partnership

Active Industry Collaborations
500+

Ongoing Industry Projects
700+

Industry Sponsorships and Fellowships at IIT Bombay Sponsored PhD and Masters Program

- Objective is to jointly promote research and manpower development
- Industry can sponsor students to work in an area of its interest
- Sponsorship includes monthly stipend (amount not less than that given by Government of India funding agencies) and a contingency grant
- Industry may define project scope
- Flexible IP norms

Prime Minister Fellowship

- Scholarship from GoI as per norms
- Additional matching amount from partnering industry
- Duration of fellowship is four years
- Up to 100 new fellowships are provided every year

and many more…

Industry Interface

Industry PARTNERSHIP

A glimpse of IIT Bombay Research outputs in field of Science, Engineering & Technology, and Health

Solar energy plant in NorthSikkim for Indian Army troops

High-performing unconventional optoelectronic materials for solar cells

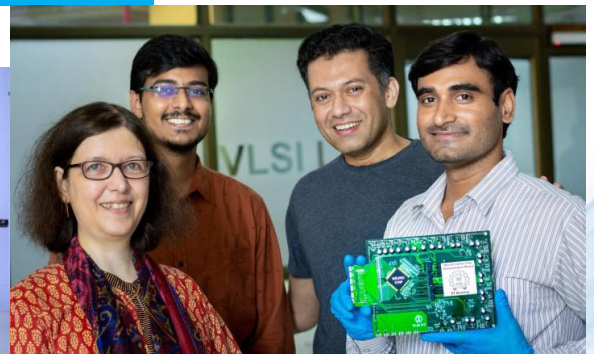Indigenous system to produce oxygen from nitrogen generator

Forbes Marshall Energy Efficient Lab

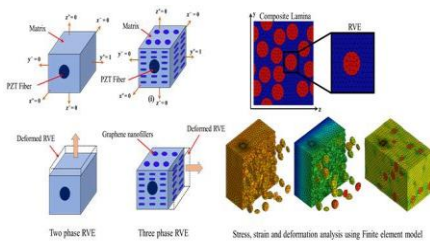Dhruva: Indian RF receiver chip for NAVIC & GPS Satellites

Digital Microscope

World's first quantum tunneling enabled spiking neural network chip
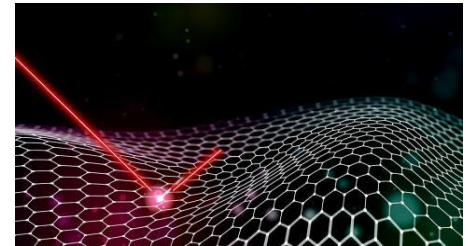
Research HIGHLIGHTS

A glimpse of IIT Bombay Research outputs in field of Science, Engineering & Technology, and Health
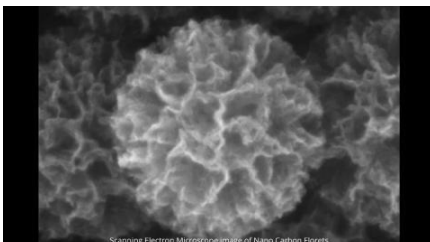

researchers propose a novel piezoelectric material

Breaking the trial-and-error loop in Material Design through ML

A Tabletop Chiral Attosecond Laser

Nanocarbon Florets to Treat Industrial Effluents

Plastic-lined farm ponds exacerbate water scarcity in semi-arid regions
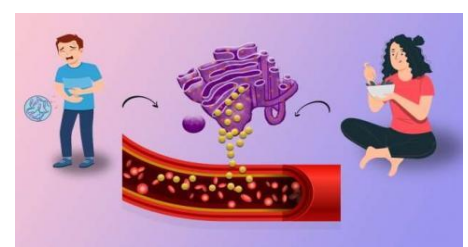

Harnessing the power of defects to improve metallic alloys

Mindfulness meditation - the ancient practice enters modern research labs

Using diamonds as probes to explore fast-changing weak magnetic fields

The Lipid Travel Diary

Indigenous Technology for Affordable Cancer Cure

Mini-fuel Engines Could Replace Batteries in the Future

Low-cost lenses to turn smart phones into microscopes

Research HIGHLIGHTS

The global recognition of IIT Bombay in field of Science, Engineering & Technology, Art, and Health

IIT Bombay wins Clarivate Innovation Award 2021 in the Academic Institutions category

A Professor's film 'Saakshatkaaram' won the Silver Conch for the Best Short Fiction Film at the Mumbai International Film Festival - MIFF 2022

ISRO launches Pratham, a satellite by the students of IIT-Bombay

A student-led team named SASIITB (the only team from India), with four students and two professors was one of the 23 winning global teams in the X-PRIZE Carbon Removal Student Competition, supported by the Elon Musk Foundation.

IIT-Bombay students develop a racing car faster than Porsche, Tesla or Audi

IIT Bombay students were given a special mention under the 'New Discovery award 2020' by the Astronomical Society of India. The team works with GROWTH-India Telescope (GIT) to confirm Near-Earth asteroids

IIT Bombay Alumnus Mr. Abhishek Verma of 2014 batch of M.Des. (Animation) IDC School of Design wins National Award

IITB's RECOGNITIONS

IIT Bombay organizes national as well as international event and a common platform for society centric dialogues – A glimpse of it

APJ Abdul Kalam, President of India inaugurated the Pan IIT convention organized by IIT Bombay

Filmmaker Onir, actor Nadita Das, documentary filmmaker Shohini Ghosh and women's rights activist Vrinda Grover at IIT during South Asian Conference on Gender and Sexuality in January, 2018


Indian IT industrialist N.R. Narayana Murthy on Panel Discussion at a Cultural Festival

UN Secretary General Antonio Guterres interacts with students during the India-UN Partnership programme on Strengthening South-South Cooperation under the aegis of "India@75"

Russian President Dmitry Medvedev delivers his speech on strengthening defense and trade ties
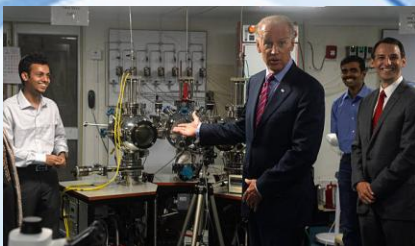
India - US Diplomacy

MD & CEO of ICICI Bank speaks at IIT Global Alumni Conference

British Minister for Trade and Investment Francis Maude (C) listens to an official speak at an advanced machining excellence cell

IITB as a PLATFORM

40

IIT Bombay encourages its faculty member, employees and students to take up R&D from early on and convert their technology ideas and innovation in various disciplines of science and engineering into commercial ventures for wide public good

IIT Bombay promotes innovation and entrepreneur ecosystem. Many faculty members also start their own companies using the IP generated at the institute. The institute promotes such initiatives by providing favorable licensing terms and in-house incubating facilities, etc.

Start ups of DSSE students: 60

Innovation & ENTREPRENEURSHIP

IIT Bombay

SINE

Business Incubator

Society for Innovation and Entrepreneurship (SINE)

Technology Business Incubation

S INE supports technology startups founded by IITB community or that are based on IITB technologies, and extends the role of the institute by facilitating conversion of R&D into entrepreneurial ventures. Incubated companies cover a diverse spectrum of technology areas including healthcare, big data analysis, mobile apps, fintech, nanotech, biotech, clean-tech, social media, etc.
Source: https://sineiitb.org/

PoC to Scale up support to Innovators and Entrepreneurs

PROOF OF CONCEPT

START UP

SCALE

PRE INCUBATION
Proof of concept grant and fellowships

INCUBATION
Physical or Virtual Incubation and Mentoring Support

ACCELERATOR
Scale up support through acceleration programs with industry collaboration

Incubation support for 3 years

~5500 **Employment**

~200 **IP Generated**

~5527 Cr. **Funds Raised**

203 **Startups Supported**

55 **Current Companies**

88 **Graduate Companies**

47 **Folded**

13 **Merged/ Acquired**

An ecosystem to foster and support innovation and knowledge based entrepreneurship at IIT Bombay, since 2004

Innovation & ENTREPRENEURSHIP

Ideation, Design & Entrepreneurship with Alumni Support (IDEAS)

The IDEAS programme is managed by Desai Sethi Centre for Entrepreneurship. Alumni from several batches have extended their support as mentors to the budding entrepreneurs. IDEAS has reached 200+ students through its initiatives and programs since August 2018.
Source: https://www.iitb.ac.in/dsce/

~750+ individuals participated

LEVEL 0

LEVEL 1 – 131 teams

LEVEL 2- 54 teams

22 VENTURES
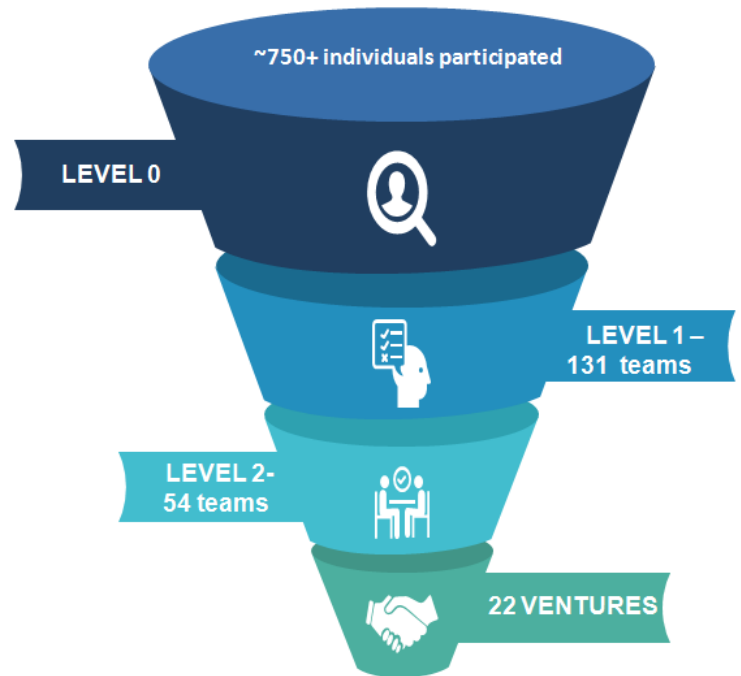
A Legacy Project of IIT Bombay Alumni Class of 1990

Innovation & ENTREPRENEURSHIP

Connecting Industry and Academia

IIT BOMBAY RESEARCH PARK aspire

IIT Bombay Research Park (IITBRP) is a match-maker of interests – weaving together the various centres of excellence, industry problems, faculty e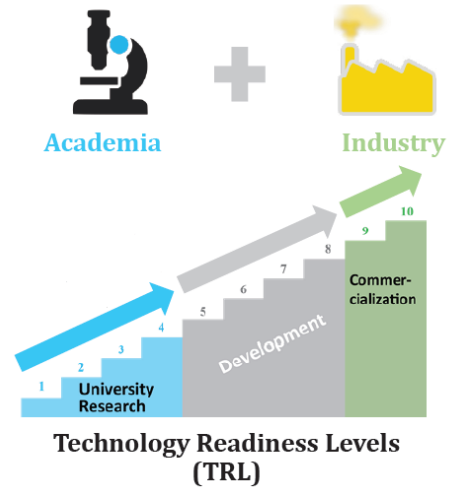xpertise and student's aspirations. The Research Park helps to build meaningful relationships between IIT Bombay and IITBRP member companies to co-create global solutions to real-world questions.

Academia + **Industry**

R&D Projects [IITB Faculty]	Education & Training Programs [IITB Faculty]
Modes of Interaction	
Jobs / Internships [IITB Students]	Usage & Augmentation of IITB R&D Infra

University Research — Development — Commercialization

Technology Readiness Levels (TRL)
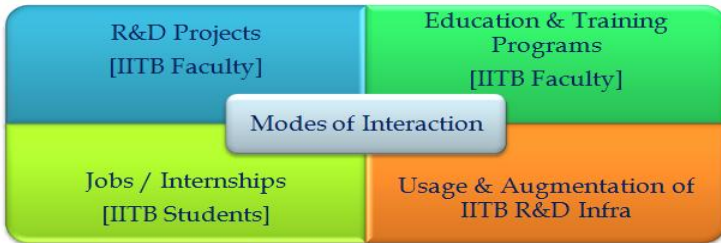
Architectural background with a 3D building model of IIT Bombay Research Park

Innovation @ RESEARCH PARK

The Institute provides high end infrastructure facilities and laboratories to support research activities. Facilities are augmented and upgraded regularly
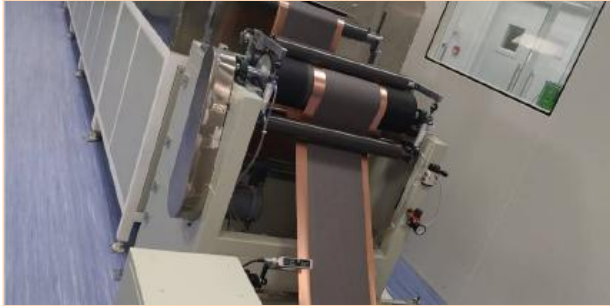
Coating machine for battery prototyping

Image Based Spray Diagnostic Systems
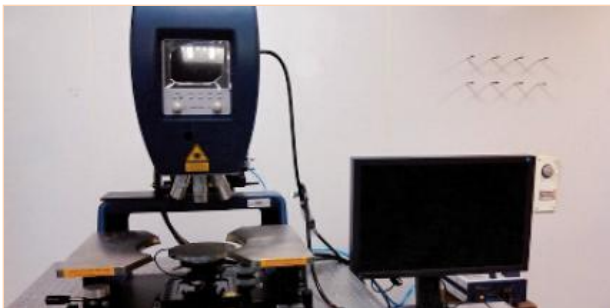
Laser Doppler Vibrometer

Spinning Disc Confocal Facility

High Resolution X-Ray Diffractometer

Cryo FEG Scanning Electron Microscope

Electrochemical Capacitance Voltage Dopant Profiler

Sudarshan: The National Geotechnical Centrifuge Facility

Research FACILITIES

Central LIBRARY

The Central Library, IIT Bombay housed in a huge 3-storey building having central air-conditioned facilities with state-of-the-art amenities provide a vibrant ambiance to the students, faculties, staff, alumni and corporate/ member users for study, research and access to library resources.

Computer CENTRE

Computer Centre administers and manages the entire Campus Computer Network which includes Departments, Schools, Centres, Main Administrative Building, Hostels and the Guest House as well as to the remote locations like Institute Hospital, Security Cameras, etc.

Travel DESK

M/s. Balmer Lawrie has commissioned a in-plant facility at IIT Bombay. Their services may be availed for travel related requirements (National / International).
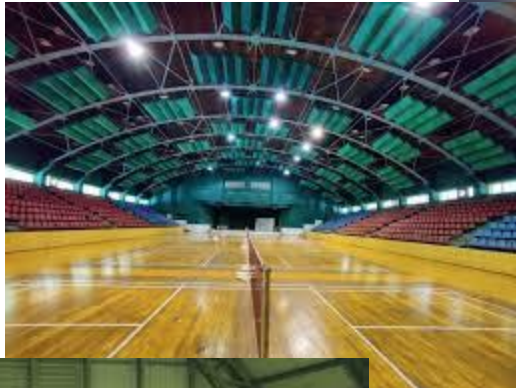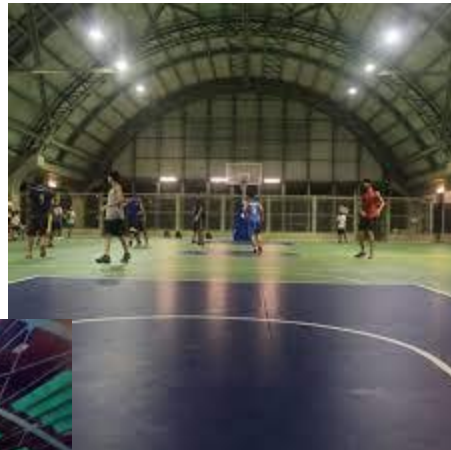
Facilities & AMENITIES

Lecture Hall COMPLEX

Convocation Hall

Victor Menezes Convention Centre - VMCC

Facilities & AMENITIES

IIT Bombay is an academic community of faculty, students, and staff of over 10,000 living on 530 acres of green and pleasant campus, with the Powai lake on one side and hills on another. The campus has been consciously developed to retain and enhance the green cover, rich with natural flora and fauna. IIT Bombay residents take advantage of their proximity to the financial capital of India, hustling and bustling with city life, while enjoying the serene environs of the campus. The campus is connected to the city proper, an hour's distance through buses and local trains. However, IIT Bombay is like a small township. Most facilities are available on campus itself, including a bank, a shopping center, two excellent schools for children, and a well-equipped hospital.

The peaceful atmosphere of the campus belies the range and intensity of activities, which complement academic life.

Powai Lake

Campus & SOURROUNDING

The Institute has guest houses with all the amenities, and Conference Halls

Jal Vihar Guest House

Mini Dining
Table laid out befitting formal occasions at the Mini Dining Hall in Jalvihar

Van Vihar Waiting lounge
Interior View of the Vanvihar Waiting lounge

IIT Bombay has 2 Guest Houses –
Jal Vihar and Padma Vihar.

The rooms in both are equally luxurious with AC rooms, TV, Internet Connection, attached Toilets et al.
To book rooms, you make your reservation online at http://www.iitb.ac.in/GuestHouse/reservation/index.html

Conference Hall of Jal Vihar Guest House

Padma Vihar Guest House

Campus STAY

The Institute is fully residential and has 18 hostels for students. Each hostel is an independent entity with its own mess facilities, recreation areas, etc. However students may be permitted to have their own arrangements for accommodation outside campus. Some flatlets are available for married research scholars.

Extra-curricular activities are provided by the Students' Gymkhana. These activities include Sports, Cultural programmes, and Social Service. Various clubs of the Gymkhana encourage individual talents of students in hobbies such as painting, modeling, music, photography, aeromodelling and fabrication of electronic devices. A swimming pool is an additional facility. A well-planned Student Activities Centre (SAC) routinely organizes several vibrant extracurricular events.

The Students' Gymkhana along with its infrastructure is an organization to foster and develop all student activities in the Institute. It aims at promoting and developing organizational abilities in students. Student bodies under Gymkhana:

- IIT Bombay Hostel Affairs
- IIT Bombay Academics (PG)
- IIT Bombay Sports
- IIT Bombay Culturals
- Tech@IITB
- SARC
- E-Cell
- Mood Indigo
- Techfest

Students BODIES

Students LIFE

The Students' Gymkhana along with its infrastructure is an organization to foster and develop all student activities in the Institute. It aims at promoting and developing organizational abilities in students

Student Bodies under Gymkhana

IIT Bombay Hostel Affairs	IIT Bombay Academics (UG)	IIT Bombay Academics (PG)	IIT Bombay Sports	IIT Bombay Culturals
Tech@IITB	SARC	E-Cell	Mood Indigo	Techfest
Bandhu	Insight	NSS	Abhyuday	Saathi

Students ACTIVITIES
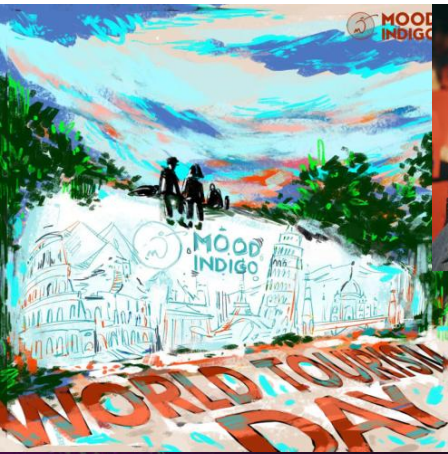
Techfest is Annual Science and technology festival of IIT Bombay which is Asia's Largest College Festival organized by the student community.

Mood Indigo, IIT Bombay's annual cultural festival and Asia's largest college cultural festival

MOOD INDIGO PRESENTS
MAGIC!

Techfest
17th-19th December, 2021
OLD SAC - WALL PAINTING
MULTIVERSAL ESCAPADE

Techfest
25th Edition

Mood Indigo

Students ACTIVITIES

We at IIT Bombay are committed to nurturing a career that is based on Equality, Diversity, Innovation and Creativity. The Institute encourages and welcomes applicants from different backgrounds, life experiences, perspectives, cultures, races, identities, beliefs, and values. Respect, accountability, integrity, service and excellence constitute the core strength of our workforce

Recruitment Opportunities

IIT Bombay invites applications from Foreign Nationals at the level of Assistant Professor, Associate Professor, Professor, and at the level of Post Doctoral Fellow. Details of this Special Recruitment Drive for Foreign Nationals are available at Foreign Faculty and Post Doctoral Fellows Page.

Job Opportunities @ IIT BOMBAY

Fostering strong relationships with its alumni, corporations and philanthropists

A Soiree at the Windy City. Director, IIT Bombay, met with alumni members from Chicago in May 2022, at the University Club of Chicago. Mr. Ram Kelkar, IIT Bombay alumnus (B.Tech., Electrical Engineering, 1980) and Co-Founder, IIT Bombay Heritage Foundation, arranged the soiree along with the IITB DRF office.

Delegates at the alumni interactive session hosted by IIT Bombay in collaboration with IIT Bombay Heritage Foundation Boston Chapter

An alumni interactive session held in Boston, USA, in collaboration with the IIT Bombay Heritage Foundation, Boston Chapter, in May 2022. A significant number of alumni members between 1966 and 2021 attended the session.

IITB's ALUMNI NETWORK

Fostering strong relationships with its alumni, corporations and philanthropists

Alumni Meet Singapore

Alumni Meet Melbourne

Alumni Meet Sydney

IITB's ALUMNI NETWORK

Kanwal Rekhi
MD, Inventus Capital
Partners

Shantanu Rastogi
MD & Head – India,
General Atlantic

Ramesh Mangaleswaran
Senior Partner Emeritus,
McKinsey & Company

Romesh Wadhwani
Chairman & CEO, Symphony
Technology Group

Dr Viral Acharya
Former Deputy
Governor, RBI

Sharad Sanghi
MD & CEO, Netmagic
(NTT)

Sharad Saraf
Founder & MD,
Technocraft Industries

Manohar Parrikar
Former Chief Minister
of Goa

Parag Agrawal
Ex-CEO, Twitter

Dr. K Sivan
Chairman, Indian Space
Research Organization

Sarita Adve
Prof. of computer science at
the University of Illinois at
Urbana-Champaign, US

Victor Menezes
Ex-Senior Vice Chairman,
Citigroup; Chairman, Advisory
Board, Citi India

Bhavish Aggarwal
co-founder of Ola Cabs
and Ola Electric

Rakesh Mathur
Entrepreneur, Founder –
Junglee, Purple Yogi

Nitesh Tiwari
An Indian film director,
screenwriter, and lyricist known for
his works in Bollywood

Dr. Udaya Kumar
Designer, Faculty at IIT
Guwahati

IITB's ALUMNI

Prof. Amitava K. De
Director, IIT Bombay
1974 -1984

Prof. S.P. Sukhatme
Director, IIT Bombay
1995 -2000

Prof. Devang Khakhar
Director, IIT Bombay
2009 -2019

Prof. Subhasis Chaudhuri
Director, IIT Bombay
2019 -present

Prof. D.N. Buragohain
Director, IIT Guwahati
1994-2003

Prof. U.B. Desai
Director, IIT Hyderabad
2009-2016

Prof. Pradeep Mathur
Director, IIT Indore
2010-2019

Prof. R.K. Shevgaonkar
Director, IIT Delhi
2011-2015

Prof. Pradipta Banerjee
Director, IIT Roorkee
2011-2016

Prof. Pushpak Bhattacharya
Director, IIT Patna
2016-2020

Prof. V. Ramgopal Rao
Director, IIT Delhi
2016-2021

Prof. P. Seshu
Director, IIT Dharwad
2017-2022

Prof. Abhay Karandikar
Director, IIT Kanpur
2018 - present

Prof. T.N. Singh
Director, IIT Patna
2021- present

Prof. Rangan Banerjee
Director, IIT Delhi
2022 - present

Prof. Suhas Joshi
Director, IIT Indore
2022 - present

IITB's Faculty as IIT DIRECTOR

International Relations
Office

**Indian Institute of Technology
Bombay**

Testimonials

A student view towards IIT Bombay faculty
"Most of our professors are research scholars themselves and are deeply involved in their own subjects of interest. It is this attitude of our professors that really makes them special, and engaging for our students. It becomes especially important to have professors who think in this way for our students to get their answers and take their involvement in their courses to the next level"

Extracurricular activities that IITB offer: says one IITB student
"All work and no play typically dull the mind. We are proud to be part of an institute that promotes a strong curriculum with a keen interest in participation beyond books"

International Relations
Office

**Indian Institute of Technology
Bombay**

| 1 | 2 | 3 | 4 | 5 |

A Pipe Line

SAMEER 70 Ananta 2

DRDO 25

0.6 km 0.7 km

B H3 H2 H1

H12 H4

H13 H6 Tansa 84 83 69 Vihar House NCAIR

ATM House 82 58 14 80 Power House

H14 H9 ATM 7 37 41 74 38 30 67

H7 H5 Sports Ground Central 53 19 36 4 75 23 63

1.8 km Library 12 57

12 min 3 NCC 60 IDC 44 49 73 88

H8 9 steps 77 MAIN BUILDING 54 89 31

Girls' Hostel H11 Steps towards arch 17 VICTOR MENEZES CC 81

86 Tennis 50 LT Lawn 22 6 59 68 29

Staff Hostel 76 Court 64 27 28 15 20

Convocation Hall 21 61 32 72 26

Hospital 39 Plant Nursery IRCC SOM 56 40 1 62

8 Staff Club 78 KReSIT 18 Building 47 48

Boat House Gulmohar 35 65 16

Vanvihar 34 10 ATM 0.3 km 0.3 km

Powai Lake 33 Jalvihar H10 Girls' Hostel KV Ground

Girls' Hostel Annex Kendriya 13 Vidyalaya Medical 55

E Temple 85 (Padmavati Devi) Director's Bungalow 24 11 Campus School Post Office 66

White House 52 Market Gate (Y-Point Gate)

71 91 State 79 Bank 51 Main Gate Kanjurmarg N

F 46 Lake Side Gate

Andheri (towards airport) Map is not to scale. Map does not cover all the residential areas. Bus Stop

Campus Map of IIT BOMBAY

International Relations
Office

Indian Institute of Technology Bombay

Mumbai is a vibrant never-sleeping city known for its nightlife

IIT Bombay is located at Powai, which is a Eastern Suburb in the north-eastern part of Mumbai. Mumbai is a long narrow island, thrusting southwards into the Arabian Sea. It can be broadly divided into four zones.
- South Bombay (Colaba, CST, Fort, Chruchgate, Nariman Point),
- Central Bombay (Dadar, Bombay Central, Worli),
- the Western Suburbs (Bandra, Juhu, Andheri, Borivali), and
- the Eastern Suburbs (Kurla, Chembur, Ghatkopar, Mulund, Kanjur Marg, Vikhroli).

Airport to IIT Bombay

International flights land at Terminal 2, Chatrapati Shivaji International Airport, which is about 10 km from IIT Bombay. The Domestic Airport is at Terminal1, which is about 15 km. Call taxis and Pre-paid taxis and auto rickshaws are available at the airports.
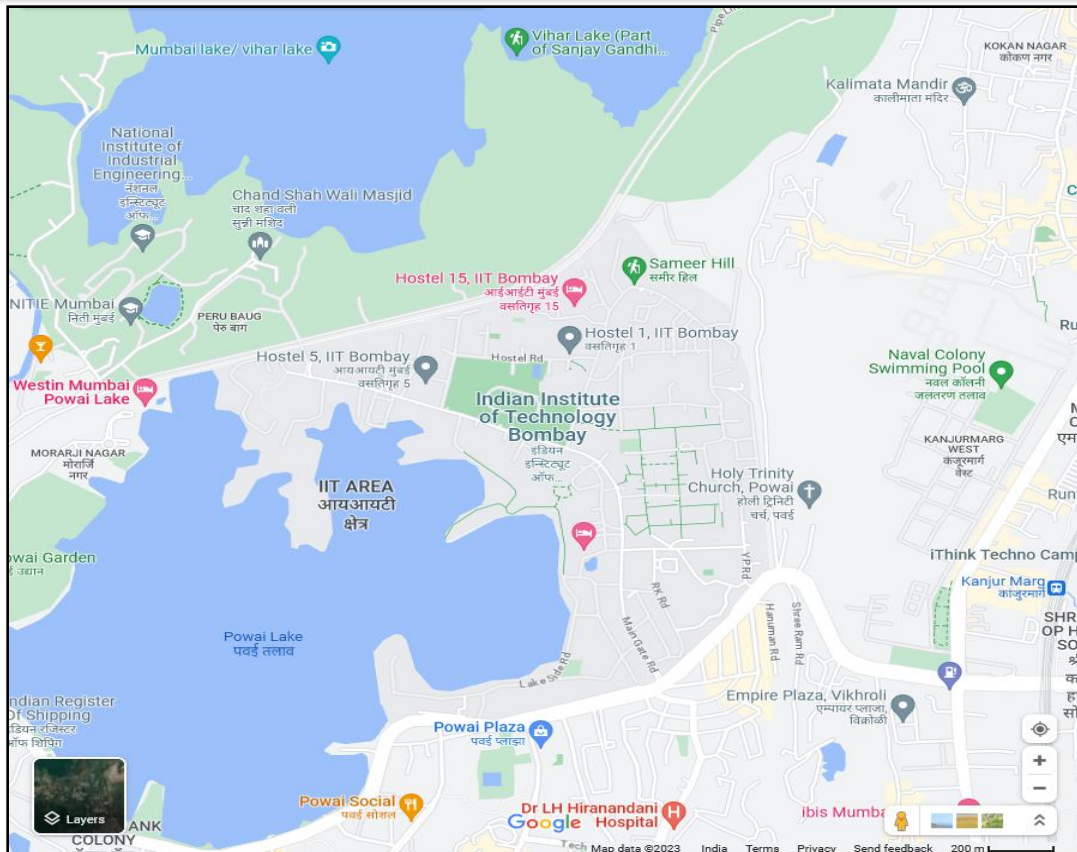
Reach to IIT BOMBAY

* Mumbai (previously known as Bombay) is the largest city of India
* Mumbai is the financial capital of India
* The city is also popular for its entertainment industry
* Fondly called as the 'City of dreams'

Life in MUMBAI

MUMBAI
TRAVEL MAP

To Ahmedabad

Uttan

Uttan Virgin Beach

Bhiwandi

Mira Bhayander

Sanjay Gandhi National Park

Kanheri Caves

Tulsi Lake

Borivali West

Malad West

Marve

Glamour

Royal Shelter

Goregaon West

Goregaon East

Vihar Lake

Mulund East

Open Mixed Jungle

Film City

Aarey Milk Colony

Powai Lake

Ghansoli

Rock Beach

Mahakali Caves

Renaissance

Juhu Beach

Park View

Kohinoor Continental

Prithvi Theatre

GM Sheraton

Leela

Kopar Khairane

Open Mixed Jungle

Juhu Continental

Regency

Juhu Aerodrome

Radisson

ARABIAN SEA

Juhu Beach

Chhatrapati Shivaji International Airport

Ghatkopar East

Vashi

Royal

Fairly Dense Mixed Jungle

Manas Resorts

Sea Rock Sheraton

Mahim Fort

Mahalaxmi

Bandra Fort

Manibhawan

Bandra-Worli Sea Link

Mahim Bay

Chembur

Siddhi Vinayak

ARABIAN SEA

Park Lane

Trombay

Parel

Essel World

Haji Ali

Mahalaxmi Temple

Navi Mumbai International Airport

Hanging Garden

Butcher Island

Elephanta Island

Chowpatty

Kalbadevi

Crawford Market

Elephanta Caves

Back Bay

Ambassador

Fort

Jawahar Lal Nehru Port Trust

Oberoi

Prince of Wales Museum

President

Gateway of India

Taj

JNPT Road

Kolaba

Map not to Scale

Legend

Major Road
Other Road
Railway
District Boundary
Vegetation
Waterbody
Hotel
Religious Place
Tourist Place
Railway stations
District Boundary

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(Updated on 16th September 2010)

Vasai Creek

NH8

Vasai

Ulhas River

Gohbandar Road

NH3

To Agra

NH4

Mumbai Pune Road

To Panvel

Thane Belapur Road

Thane Creek

Sion Panvel HWY

Malad Creek

Uttan Road

The Resort

Blue Ballerina

Harbour

64

International Relations Office

Indian Institute of Technology Bombay

Vision

To be a leading global technology university that provides a transformative education to create leaders and innovators, and generates new knowledge for society and industry.

Mission

To create an ambience in which new ideas, research and scholarship flourish, and from which the leaders and innovators of tomorrow emerge.

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Head of Office	Dean of International Relations
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Contact	Website: www.ir.iitb.ac.in | e-mail: dean.ir.office@iitb.ac.in | Tel: +91 22 25767076
IITB Facts and Figures	https://www.iitb.ac.in/en/about-iit-bombay/iit-bombay-glance
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2) https://www.iitb.ac.in/sites/www.iitb.ac.in/files/Directors_Report_2022.pdf
3) https://www.iitb.ac.in/sites/www.iitb.ac.in/files/POCKET%20BOOK%202020-21%20ENGLISH_0.pdf
4) https://www.iitb.ac.in/
5) https://www.ir.iitb.ac.in/
6) Strategy Office
7) ACR Office Gallery
8) IITB Library
9) Google search engine

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