

Home



Indian Institute of Technology Bombay

Type of the institute:	Indian Institute of Technology
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About the Institute

Established in 1958, the second of its kind, IIT Bombay was the first to be set up with foreign assistance. The funds from UNESCO came as Roubles from the then Soviet Union. In 1961 Parliament decreed the IITs as 'Institutes of National Importance'. Since then, IITB has grown from strength to strength to emerge as one of the top technical universities in the world.

The institute is recognised worldwide as a leader in the field of engineering education and research. Reputed for the outstanding calibre of students graduating from its undergraduate and postgraduate programmes, the institute attracts the best students from the country for its bachelor's, master's and doctoral programmes. Research and academic programmes at IIT Bombay are driven by an outstanding faculty, many of whom are reputed for their research contributions internationally.

IIT Bombay also builds links with peer universities and institutes, both at the national and the international levels, to enhance research and enrich its educational programmes. The alumni have distinguished themselves through their achievements in and contributions to industry,

academics, research, business, government and social domains. The institute continues to work closely with the alumni to enhance its activities through interactions in academic and research programmes as well as to mobilise financial support.

Over the years, the institute has created a niche for its innovative short-term courses through continuing education and distance education programmes. Members of the faculty of the institute have won many prestigious awards and recognitions, including the Shanti Swaroop Bhatnagar and Padma awards.

Located in Powai, one of the northern suburbs of Mumbai, the residents of the institute reap the advantage of being in the busy financial capital of India, while at the same time enjoying the serenity of a campus known for its natural beauty. A fully residential institute, all its students are accommodated in its 15 hostels with in-house dining; the campus also provides excellent amenities for sports and other recreational facilities.

Fee Structure

Fee Structure for UG New Entrants

B. Tech., Dual Degree (B.Tech. + M.Tech.), B.S. and B. Des. programmes

(Autumn Semester 2021-22)

A	Description (At the time of Admission)	Indian nationals	Foreign nationals
		Fee Payable (Rs.)	[including OCI and PIO card holders] Fee Payable (Rs.)
1	Admission Fee	2200	2200
2	Graduate Transcript Fee	500	500
3	Provisional Certificate	500	500

4	Medical Examination	400	400
5	Students' Welfare Fund	1000	1000
6	Modernisation & Up-gradation	2500	2500
7	Identity Card	500	500
	Total (A)	7600	7600
B	Per Semester		
1	Tuition Fee - Statutory Fees	100000	300000
2	Examination Fee	1000	1000
3	Registration Fee	750	750
4	Gymkhana Fee	500	500
5	*Medical Fee	1500	1500
6	*Hostel Rent	2000	2000
7	*Electricity & Water Charges	3000	3000
8	*Hostel Establishment Charges	3000	3000

9	#Mess Establishment Charges	1550	1550
10	Student Benevolent Fund	500	500
11	Student accident insurance fund (SAIF)	200	200
	Total (B)	1,14,000	3,14,000
C	Deposits (onetime fee only)		
1	Institute Security Deposits	1000	1000
2	Library Security Deposits	1000	1000
3	Mess Security Deposits	1000	1000
	Total (C)	3000	3000
	Grand Total (A+B+C)	1,24,600	3,24,600

1. (a) All SC/ST/PwD category students are exempted from the payment of Tuition Fee (B.1).
2. (b) *Fee components B - (6 to 8) will be applicable only to the students who are permitted to stay on campus in hostels, will opt to do so and be allotted a room. The

charges against fee components B - (6 to 8) will be NIL for those who are NOT permitted to stay on campus in hostels or do NOT opt to stay even if permitted (such students will not be eligible for any medical benefits normally available to students paying the fee against B - 6.

3. (c) #Fee components B - (9-10) will be applicable to all students for the upkeep and maintenance of the hostel and mess facilities.
4. (d) In view of the COVID-19 pandemic, all students, who would be permitted to stay on campus in hostels are required to get the COVID-19 health insurance on their own for a minimum period covering the period of their semesterly stay, before commencement of their stay on campus. The premium paid towards this insurance will be reimbursable up to Rs 500/-, out of the Medical Fee paid, against policy payment invoice/ receipt. Name, Roll No. and Hostel No.) with the subject as "Request for Covid Medical Insurance Premium Reimbursement" along with self attested photo copy of Health Insurance Policy / Premium Paid Receipt to Dean SA office (Email: dean.sa.office@iitb.ac.in) for reimbursement.
5. (e) Every student, who would be permitted to stay in hostel, has to pay a "per semester mess advance" of Rs.22,000/-.
6. (f) IIT Bombay reserves the right to revise the fee structure in subsequent semesters.
7. (g) B.Tech., B.S. and B.Des. are 4-Years (8 Semesters), and Dual Degree (B.Tech. + M.Tech.) is a 5-Years (10 Semesters) Programme.
8. (h) *#Students who do not wish to stay on campus in hostels for the entire duration of their program i.e. they opt to remain as day scholars throughout the period of their program till completion, may be exempted from payment of fee components B - (6 to 10). Such students will not be allotted a hostel room and will not be eligible for any medical facility from the Institute. If at any later date, such a student wishes to be allotted a hostel room to stay on campus, this will be subject to availability and payment of fee components B - (9-10) for all previous semesters from the date of joining the program to the semester in which room is allotted, besides payment of all fee components B - (6 to 10) from the semester of room allotment.

Academic Structure

The Institute offers undergraduate and postgraduate programs in engineering, science, management, design and humanities. This includes B. Tech., M. Tech., - B.S., B.Des, M. Sc., M. Phil., M. Des., M. Mgmt., EMBA, MUDE, MPP Ph.D. and dual degree programs like B.Tech.+M.Tech., M.Sc.+Ph.D., M.Tech.+Ph.D. and M. Phil.+ Ph. D.

Currently, the Institute has twenty-six Academic Units: this includes fourteen departments, one school, six centres and five interdisciplinary programs. These Units constitute the academic fabric of the Institute. The teaching programs are characterized by their flexibility and informality. The strong faculty-student interaction on the residential campus provides an opportunity to students to work on seminars, publication and projects sponsored by the industry and national agencies.

IIT Bombay follows a semester system. An academic year (July-May) consists of two semesters, each of approximately 16 weeks duration. The first semester begins in the last week of July and ends by the last week of November. The second semester starts in the first week of January and

ends by the last week of May. In each of the two semesters of the first year, a student is required to register for the relevant courses listed in the curriculum for that semester.

The Institute follows a credit system. Credits are allotted to various courses depending upon the number of lectures, tutorials and laboratory hours per week. The student's performance in a course is continuously evaluated throughout the semester and culminates in the award of a Grade on a 10-point scale. Performance in a semester is evaluated in terms of the weighted average of grade points secured in all the courses registered in that semester, which is known as Semester Performance Index (SPI). A Cumulative Performance Index (CPI) is the weighted average of the grade points obtained in all the courses registered by the student since the time of joining the Institute.

IIT Bombay offers the following undergraduate programs through JEE (Advanced) 2021

- B.Tech.
- Dual Degree (B.Tech. + M.Tech.)
- B.S.

The B.Tech. and B.S. programs consist of eight semesters spread over four years. The Dual Degree B. Tech.-M.Tech. program consists of 10 semesters spread over five years. A B.Tech. degree of the parent academic unit and an M.Tech. degree of a specialization within the parent (Dual Degree) and other academic units (Interdisciplinary Dual Degree) is given at the end of the fifth year. A "Minor" is an additional credential a student may earn for doing prescribed additional courses in a discipline other than his/her major discipline of B.Tech. Degree. Similarly, "Honours" is awarded to students completing a prescribed set of courses and/or project in their own academic units. This structure of academic programs provides flexibility to suit the varied interests of students and helps build multifarious competencies that employers demand besides satisfying the widely varying attitudes, abilities and aspirations of students.

For more details on "Rules and Regulations", visit
<http://www.iitb.ac.in/newacadhome/rulesUG.jsp>

Faculty

The basic responsibilities of the faculty are teaching, research, technology development and industrial interaction. IIT Bombay is a leading center of scientific and technical teaching. It helps many educational Institutes for technical education in up gradation of syllabi of courses, laboratories and manpower development. The educational methodology developed at IIT Bombay is transferred on continuous basis to engineering colleges through organized interactions in the form of CEP courses, QIP programmes and implementation of the TEQIP scheme of MHRD.

The faculty members are engaged in technology development programmes for industries by consultancy projects and CEP courses. IIT Bombay emphasizes both pure and applied research since they often feed into each other.

Education and research are closely dependent on efficient and imaginative management. Participation in the management of the Institute through participation in academic programmes, administrative committees and outreach programmes for industry and educational institutes are some of the major responsibilities of the faculty members of IITB.

Selection of faculty is through a statutorily constituted selection committee which includes external members, Head, Dean and Director. All candidates deliver seminars and they are interviewed by the selection committee for appointment.

In addition to academic excellence, faculty members at IITB are expected to promote a respect for moral values, duties of citizenship and basic human understanding required for leadership. The strength of the faculty lie in their intellectual and academic distinction attained. The best contribution of this Institute would be to educate young people to solve the real problems faced by our countrymen using the technical knowledge they are imparted during their formative years.

Facilities

IIT Bombay is a residential campus that has all the students and most of the faculty and staff residing on campus. The Institute has 16 students' hostels, which includes separate hostels for women students. Every hostel has modern amenities including a computer room and gym. High speed LAN or Wifi connection is provided in each room. Students are not permitted to operate and maintain motorized vehicles of any type in the campus except on medical grounds. The Institute also has a very good hospital with OPD and 52-bed in-patient facilities. It includes a pathology lab, dental care, radiology, sonography, physiotherapy, and an operation theatre.

The Student Activity Centre (SAC) provides excellent facilities for sports and cultural activities. Sports facilities include a swimming pool, tennis, badminton, volley ball, basket ball and squash courts and vast playgrounds for field games. Wildlife camps and trekking are popular off campus activities. Cultural activities on the campus are fostered by film clubs, classical music societies, debating and drama clubs and a hobbies club. Special labs and facilities exist to support technical activities and innovation support is provided for participation in a variety of international technical competitions. The Institute also has strong NSS/NSO programs. The Entrepreneurship Cell guides students and promotes a spirit of entrepreneurship by organizing competitions, and lectures and workshops by eminent entrepreneurs. A business incubator also provides opportunities to students to develop products and technologies, and to generate their own business ventures. The Cell for Human Values – a unique feature of IIT Bombay, enriches the minds of students through its various activities.

A Faculty Advisor is specially appointed to look after the academic performance and matters related to SC/ST students.

Student Life at Institute

The 550 acres of lush green campus, situated right in the heart of the financial capital of India, IIT-Bombay is considered to be the Mecca of extra-curricular activities. Apart from being the best technical school in the country and one of the top few globally, IITB creates experiences that students don't forget. Students are encouraged and supported to submit research papers and participate in national and international conferences.

A major attraction of IITB is its distinguished faculty. The faculty at IITB is one of the finest among the Indian vocational Institutes. Most members of the faculty are achievers in their own right as well as excellent teachers and mentors. Most of the professors here 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.

Life at IIT-Bombay is an amalgamation of fun and studies. While the classes and assignments manage to keep students busy during the morning and late at nights respectively, the rest of the day allows them to pursue their extracurricular & co-curricular interests. Some of students find peace in playing cricket and football in the hostel grounds, while others head to the Student Activity Centre to play Badminton or go for a swim. The few who are not into sports are either busy with IIT-B club activities or catching up with some sleep.

IIT-Bombay hosts Mood Indigo (Asia's largest College Cultural festival) and Techfest (Asia's largest Technical and Science festival) which shows its diversified and glorious culture.

In IIT-Bombay almost all students reside in hostel which adds new dimensions to the vibrant campus life. Birthday celebrations and inter and intra hostel events adds fun to the campus life. To sum up studying at IITB can truly be a life changing experience.

Financial Assistance

UNDERGRADUATE SCHOLARSHIP

The Institute offers the following scholarships to undergraduate students:

Institute Scholarships	Private Scholarships	Govt. Scholarships
1. Institute Merit-sum-Means	1. Named Scholarships	1. National Scholarships (all states)
2. Free Messing facilities (SC/ST)		2. National Talent Search Scholarship (NTS)

For more details, visit <http://www.iitb.ac.in/newacadhome/scholar.jsp>

Training & Placement

IIT Bombay is the most preferred academic institute to a large number of organizations for recruiting outstanding employees with immense potential as future leaders. These organizations from both within India and abroad, are excited about the capability, intellect and professional readiness displayed by our students. The most frequently cited praise from these organizations for our students include their ability to learn quickly, versatility, performance as team players, excellent analytical skills, and most important the positive attitude they bring to their jobs.

The institute offers all graduating students an opportunity to participate in the campus placement program. More than 320 recruiting organizations participated in the IIT Bombay campus placement process during the year 2013-14. For the year 2014-15, more than 400 recruiting organizations are expected to participate in the campus placement program.

IIT Bombay has excellent facilities for campus recruitment and strives to make the best possible match between recruiters and students. IIT Bombay was ranked number 60 in the world for "Employer Reputation" in the 2014 QS World University Ranking.

Industry And Alumni Relations

The Institute recognises alumni who have distinguished themselves through their work and have done the Institute proud. The Distinguished Alumnus Awards have been instituted for this purpose. In addition to this, IIT Bombay has instituted the Distinguished Service awards for alumni who have rendered special services to the cause of the betterment of the institute. The institute also involves the alumni in its educational and research activities, whenever possible, by

inviting them to participate on its advisory boards as visiting faculty or as guest speakers. Our alumni has responded whole-heartedly by supporting the institute with the most generous endowments, leading to the establishment of schools, laboratories, scholarships, chairs and various infrastructure developments.

Recreational/Extra Curricular activities

The annual Science & Technology festival of IIT Bombay, Techfest, which was started in 1998, is held in the month of December every year and is the largest of its kind in Asia. It comprises various events like competitions, exhibits and talks from guest speakers from around the world. Techfest 2009 was also the first event of its kind in India to conduct its events in other countries.

Apart from these festivals, various other engineering streams based festivals are also being organised to motivate students towards Science and Technology. These include Radiance (Mechanical Engineering), Zephyr (Aerospace Engineering), AZeotropy (Chemical Engineering), Padarth (Metallurgy and Material Science Engineering), Aagomani (Electrical Engineering), GeneRations (Biosciences & Bioengineering) and Aakaar (Civil Engineering).

Cultural activities like dramatics, Speaking, Literary Arts, Music and Fine Arts also mark an important feature in the life of a student of IIT Bombay. Speaking and Literary Arts have always been very popular in the student community with students actively participating in quizzing, writing and debating activities. IIT Bombay has frequently won the prestigious National Law School Parliamentary Debating Tournament.

The annual cultural festival Mood Indigo, usually held in the month of December is the best event hosted by any student body and the largest of its kind in Asia. The most attractive feature of this 4-day event are the influential personalities who have graced the festival like Aamir Khan, Sir Mark Tully, Sachin Tendulkar, Porcupine Tree, Simple Plan, Mike Portnoy and many more. The organization is known for holding the best cultural competitions, games and musical concerts to draw out the best talent in the country.

Location and Accessibility

IIT Bombay is located at Powai, which is an eastern suburb in the North-Eastern part of Mumbai.

[Mumbai](#) is in the form of a long narrow island, almost a peninsula, thrusting south wards into the Arabian Sea. It can be broadly divided into four zones.

South Bombay (Colaba, CST, Fort, Churchgate, Nariman Point etc.)

Central Bombay (Dadar, Bombay Central, Worli etc)

The Western suburbs (Bandra, Juhu, Andheri, Borivali etc)

The Eastern Suburbs (Kurla, Chembur, Ghatkopar, Mulund, Kanjur Marg, Vikhroli etc.)

There is also New Bombay (Vashi, Turbhe etc.) across Thane Creek on the mainland.

Public Transport

Mumbai has one of the most efficient and reliable public transport network. One can travel by Autorickshaws / Taxis to reach IIT from the nearest stations (Autorickshaws, however do not go further south than Sion and Bandra). For longer distance, you can use either the BEST Bus Network or the Mumbai [Local train System](#).

Suburban Railway Transport

Those coming by Central Railway Suburban train will have to get down at Mulund, Bhandup, Kanjur Marg, Vikhroli or Ghatkopar which are the nearest stations from IITB. If you are coming by the Western Railway Suburban train you will have to get down at Andheri, Bandra, Goregoan. BEST Bus are available as below:

NAME OF PLACE	BUS NUMBERS
Mulund(W)	307, 346, 425, 396, 398, 460, 422, 424, 461
Bhandup(W)	

Kanjur Marg(W)		
Vikhroli(W)	392,382,337	
Ghatkopar(W)	392,382.337	
Borivali(E)	461, 398, L1	
Goregaon(E)	460,489,424	
Jogeshwari(E)	461,445	
Andheri(E)	396,336,392,307	
Bandra(E)	422,424	

AIRPORTS

International flights land at Chhtrapati Shivaji Maharaj International Airport, which is about 7 kms from IIT. The Domestic Airport- Santa Cruz is about 10 kms. Prepaid taxis are available at the Airports. Autorickshaws are also available for IIT.

collage name	Branch	Parent Branch	STATE	Cam pus	priori ty_c ampus	proxi mity	Plac ment
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I IT BOMB AY	COMPUTE R SCIENCE & ENGINEER ING	COMPUTE R SCIENCE & ENGINEER ING	Maharashtr a	100			5500000
IIT BOMB AY	ELECTRIC AL ENGINEER ING	ELECTRIC AL ENGINEER ING	Maharashtr a	100			4000000
IIT BOMB AY	CIVIL ENGINEER ING	CIVIL ENGINEER ING	Maharashtr a	100			2500000
IIT BOMB AY	MECHANIC AL ENGINEER ING	MECHANIC AL ENGINEER ING	Maharashtr a	100			2400000
IIT BOMB AY	AEROSPA CE ENGINEER ING	MECHANIC AL ENGINEER ING	Maharashtr a	100			2100000
IIT BOMB AY	CHEMICAL ENGINEER ING	MECHANIC AL ENGINEER ING	Maharashtr a	100			2100000
IIT BOMB AY	ECONOMI CS	ECONOMI CS	Maharashtr a	100			2100000
IIT BOMB AY	ENGINEER ING PHYSICS	BASIC SCIENCES	Maharashtr a	100			2100000
IIT BOMB AY	METALLUR GICAL & MATERIAL S ENGINEER ING	METALLU RGICAL ENGINEE RING	Maharashtr a	100			2000000

The **Indian Institute of Technology Bombay (IIT Bombay)** is a [public research university](#) and [technical institute](#) in [Powai, Mumbai, Maharashtra, India](#).

IIT Bombay was founded in 1958.^[7] In 1961, the Parliament decreed [IITs](#) as [Institutes of National Importance](#).^[8] A committee formed by the [Government of India](#) recommended the establishment of four higher institutes of technology to set the direction for the development of technical education in the country in 1946. Planning

began in 1957 and the first batch of 100 students was admitted in 1958.^[8] Since its establishment in Powai, the institute has physically expanded to include more than 584 major buildings with a combined area of more than 2.2 square kilometers.

IIT Bombay is known for its 4-year, 5-year & 2-year programmes for which the entrance is through the [Joint Entrance Examinations](#) (JEE), [Joint Admission Test for Masters](#) (JAM) and [Graduate Aptitude Test in Engineering](#) (GATE). Degrees offered in the university include the four-year [Bachelor of Technology](#) (B.Tech.), the two- or three-year [Master of Technology](#) (M.Tech.), the four-year [Bachelor of Science](#) (B.S.), the two-year [Master of Science](#) (M.Sc.) and the five-year Inter-Disciplinary Dual-Degree Programme (IDDDP) among many others. It also has a comprehensive graduate program offering doctoral degrees in science, technology, engineering and mathematics.^[8] It currently has a total of 15 academic departments, 20 additional education centres, a school of excellence and four interdisciplinary programmes including a management programme and [industrial design programmes](#).^[9]

History^[edit]

IIT Bombay was the second [Indian Institute of Technology](#) to be established in 1958 with assistance from [UNESCO](#) and with funds contributed by the [Soviet Union](#).^[10] UNESCO agreed to provide equipment and technical experts mainly from the Soviet Union, while the Government of India accepted the responsibility for all other expenses including the cost of the building project and recurring expenses. The site chosen for the institute was [Powai](#) with an area of 550 acres (2.2 km²) which was given by the then [Bombay State](#) Government. While construction was being completed, the first academic session of the institute opened on 25 July 1958, in its temporary home at the Synthetic and Art Silk Mills Research Association (SASMIRA) building in [Worli](#) with 100 students.^{[11][12]} The following is the present position regarding the assistance received from UNESCO under the UN Expanded Programme of Technical Assistance:

- Equipment costing Rs.57,35,000 has so far been received (USSR—Rs.55,50,000; UK—Rs.1,50,000; USA—Rs.18,000 and Germany—Rs.19,000)
- 12 Professors (10 Russians, 1 American and 1 Yugoslavian) and 3 Russians Translators are working at the Institution.
- For advanced training in USSR, 4 Indian teachers were deputed in 1958 and 6 more teachers were selected.^[13]

These students were selected from over 3,400 applicants for admission to the first year undergraduate engineering programmes of Aerospace, Chemical, Civil, Computer, Electrical, Engineering Physics, Energy, Mechanical, Metallurgical Engineering, and MSc Chemistry.^[citation needed] One of the main objectives of establishing the institute was to develop facilities for studies in a variety of specialized engineering and technological sciences. The need for establishing adequate facilities for postgraduate studies and research was kept uppermost in mind in the founding years. While the institute was functioning provisionally at Worli, an effort was made to expedite the progress of the building project at its permanent location and [Jawaharlal Nehru](#) laid the foundation stone of the Institute at Powai on 10 March 1959.^{[12][14]}

On July 9, 2018, IIT Bombay was conferred the status of [Institute of Eminence](#) by the Ministry of Human Resources & Development, along with 5 other institutes in India which would provide it additional autonomy and government funds.^{[15][16]}

Campus^[edit]

The IIT Bombay campus, having an area of about 545 acres, is located at Powai, in East [Mumbai](#), between the [Vihar](#) and [Powai](#) lakes. The campus is divided into clusters of buildings. The academic area chiefly comprises the main building, various departmental annexes and auditoria. All department annexes are connected by a corridor named *Infinite Corridor*. Beyond the Convocation Hall lie most of the hostels. There are a total of 18 hostels, of which two hostels (Hostels 10 and 11) and a wing of the newly constructed hostel (Hostel 15) are for female students.

Due to its proximity to the [Sanjay Gandhi National Park](#), the campus has significant green cover and is mostly untouched by the pollution of the rest of the city. The proximity of the campus to the national park has also led to occasional sightings of [leopards](#) and [mugger crocodiles](#) along the banks of the Powai lake. Sometimes they stray into the campus in search of prey.^[17]

The campus has also recorded over 200 species of birds including [Indian grey hornbill](#), [Indian pitta](#), [Vigors's sunbird](#), [Ashy prinia](#), [Indian paradise flycatcher](#), [Rufous woodpecker](#), and [Oriental darter](#).^[18]

The institute has two swimming pools; [football](#), [hockey](#) and [cricket](#) grounds; and [tennis](#), [basketball](#), [squash](#) and [volleyball](#) courts. It also has a Students' Activity Center (SAC) for various cultural and other extracurricular activities. In addition to

these facilities, the campus also houses two high schools, one of which is a [Kendriya Vidyalaya](#) and the other is called IIT Campus School.^[19]

Organization and administration^[edit]

Governance^[edit]

At the institutional level, IIT Bombay is governed by a [Board of Governors](#)^[20] with its chairman nominated by the Visitor (the [President of India](#)) guided by the [IIT Council](#); the [Director](#) as a member; the [Registrar](#) as secretary.^[21] Besides this, there are four persons having specialized knowledge or practical experience in respect of education, engineering or science nominated by the council. Two professors are nominated by the Senate. Additionally, one technologist or industrialist of repute is nominated by the government of each of the States of Maharashtra, Madhya Pradesh and Gujarat.^[22]

For all academic matters, the Senate is the authority having control and responsibility for the maintenance of standards of instruction, education and examinations and all other allied academic matters. The Senate is constituted of all the professors of the institute, a few nominated members and the director, appointed by MHRD for five years, the executive head of the institute is the chairman.

The key people in the execution of the institute's activities are the director and two deputy directors (Academic & Infrastructural Affairs and Finance & External Affairs) who are assisted by seven [Deans](#) (Infrastructure Planning & Support, Research & Development, Academic Programmes, Students Affairs, Alumni & Corporate Relations, Faculty Affairs and International Relations) and the Heads of the Departments, Centres and Schools.^[23] The other administrative functions are managed by the Registrar, with senior administrative officers being assigned for specific areas such as Estate Management, Materials Management, Personnel Management, Finance and Accounts, and Academic Affairs.

The Institute Advisory Council is a non-statutory body comprising eminent personalities from business, industry and academia, which reviews and makes suggestions on long-term policies and short-term goals.

Academic Office^[edit]

The Academic Office of the institute exists to facilitate, initiate and co-ordinate the academic work of the institute, particularly the teaching and assessment of students. It acts as the repository of grades and academic records of all students, both past and present. It provides administrative support to the Senate, which is the highest academic body of the institute.

The head of the Academic Office is the dean of academic programmes, who is a senior professor of the institute. The Dean is helped by a permanent administrative set-up headed by a deputy registrar (education). The Academic Office closely interacts with the dean of student affairs (DoSA), who looks after all non-academic problems of students. The DoSA, as the ex-officio president of the Student Gymkhana, coordinates various co-curricular activities of students.^[24]

Departments, centres, and schools^[edit]

Lecture hall complex

IIT Bombay has 15 departments, 36 multi-disciplinary centres, 3 schools of excellence and 4 interdisciplinary programs.^[25]

The academic departments in IIT Bombay include the following:

1. [Aerospace Engineering](#)
2. [Biosciences and Bioengineering](#)
3. [Chemical Engineering](#)
4. [Chemistry](#)
5. [Civil Engineering](#)
6. [Computer Science & Engineering](#)
7. [Earth Sciences](#)
8. [Electrical Engineering](#)
9. [Energy Science and Engineering](#)
10. [Environmental Science and Engineering \(ESED\)](#)
11. [Humanities & Social Science](#)
12. [Mathematics](#)
13. [Mechanical Engineering](#)

14. [Metallurgical Engineering & Materials Science](#)

15. [Physics](#)

The following multi-disciplinary centres are located in IIT Bombay:

- Application Software Centre (ASC)
- [Biomedical Engineering and Technology \(Incubation\) Centre \(BETiC\)](#)
- Centre for Research in Nanotechnology and Science (CRNTS)
- Centre for Aerospace Systems Design and Engineering (CASDE)
- Computer Centre (CC)
- Centre for Computational Engineering and Science
- Centre for Distance Engineering Education Programme (CDEEP)
- Centre of Excellence in Nanoelectronics
- Centre for Excellence in Steel Technology (CEST)
- Centre of Excellence in Oil, Gas and Energy (CoE-OGE)
- Ashank Desai Centre for Policy Studies (CPS)
- Centre for Machine Intelligence and Data Science (C-MInDS)
- Centre of Studies in Resources Engineering (CSRE)
- Centre for Technology Alternatives for Rural Areas (CTARA)
- Centre for Formal Design and Verification of Software (CFDVS)
- Centre of Propulsion Technology (CoPT)
- Centre for Urban Science and Engineering (C-USE)
- Centre for Liberal Education (CLE)
- Forbes Marshall Energy Efficiency Laboratory
- Geospatial Information Science and Engineering
- [IITB-Monash Research Academy](#)
- [Koita Centre for Digital Health](#) (KCDH)
- National Centre for Aerospace Innovation and Research (NCAIR)
- National Centre of Excellence in Carbon Capture and Utilization (NCoE-CCU)
- National Center of Excellence in Technology for Internal Security (NCETIS)
- National Centre for Mathematics (NCM)
- National Centre for Photovoltaic Research and Education (NCPRE)
- National Mission on Education Through ICT
- National Solar Thermal Research, Testing and Simulation Technology
- Parimal and Pramod Chaudhari Centre for Learning and Teaching (PPCCLT)
- Sophisticated Analytical Instrument Facility (SAIF)
- Tata Centre for Technology and Design (TCTD)
- Tata Teleservices - IITB Centre for Excellence in Telecommunication
- Technocraft Centre for Applied Artificial Intelligence (TCAAI)
- Wadhvani Research Centre for Bioengineering (WRCB)

- Water Innovation Centre: Technology, Research and Education

Additional Centre:

- IITB-[WashU](#) Aerosol and Air Quality Research Center

Schools of excellence in IIT Bombay are:

- [Desai Sethi School of Entrepreneurship \(DSSE\)](#)
- [IDC School of Design](#)
- [Shailesh J Mehta School of Management](#)

In addition to the above, IIT Bombay also offers [Inter-disciplinary programmes](#):

- [Climate Studies](#)
- Educational Technology
- Industrial Engineering and Operations Research (IEOR)
- Systems and Control Engineering

Academics^{[\[edit\]](#)}

Programmes^{[\[edit\]](#)}

IIT Bombay offers a wide range of educational programmes^{[\[26\]](#)} including [physical sciences](#), [engineering](#), [designs](#), [humanities](#) and [social sciences](#) such as [economics](#), [English](#), [philosophy](#), [psychology](#) and [sociology](#) and [management studies](#) with a primary focus on engineering.^{[\[27\]](#)} Over the years, the institute has also created a niche for its innovative short-term courses through continuing education and [distance education](#) programmes.^{[\[28\]](#)} The university is a member of Links to Asia by Organizing Traineeship and Student Exchange (LAOTSE), an international network of leading universities in Europe and Asia exchanging students and senior scholars.

The institute conducts educational programmes leading to the degree of Bachelor of Technology (B.Tech.), Bachelor of Sciences (B.S.), Dual Degree (B.Tech. and M.Tech. in 5 years), Master of Science (MSc.), Master of Technology (M.Tech.), Bachelor of Design (B.Des.), Master of Design (M.Des.), Master of Business Administration (MBA), formerly Master of Management, Master of Philosophy (M.Phil.) and Doctor of Philosophy (PhD.) in various subject domains.

Every year, IIT Bombay awards degrees, B.Tech., M.Tech., Dual Degree (B.Tech. and M.Tech.), M.Mgmt, MSc and Ph.D. to more than 1,000 students. The undergraduate students at IIT Bombay are selected through the [Joint Entrance Examination](#) of the IITs. The graduate students are selected through [Joint Admission Test for Masters](#) (JAM) and [Graduate Aptitude Test in Engineering](#) (GATE) conducted by IIT's and IISc on behalf of MHRD [Ministry of Human Resource Development]. At a given time, the campus is home to more than 6,000 people: students, professors, and non-academic staffs.

In 2015 the National Virtual Academy for Indian Agriculture launched a free online agriculture course in collaboration with [ICRISAT](#) Hyderabad and IIT Bombay.^[29] From July 2016, IIT Bombay is planning to offer a four-year undergraduate programme in economics.^[30]

In April 2015, IIT Bombay launched the first U.S.-India joint [EMBA program](#) alongside [Washington University in St. Louis](#).^[31]

Rankings^[edit]

University and college rankings

General – international

QS (World) (2023) ^[32]	17
	2

QS (Asia) (2023) ^[33]	40
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General – India

NIRF (Overall) (2023) ^[34]	4
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NIRF (Research) (2023) ^[35]	4
QS (India) (2020) ^[36]	1
Engineering – India	
NIRF (2023) ^[37]	3
India Today (2022) ^[38]	2
Government colleges:	
Outlook India (2022) ^[39]	3
Business/Management – India	
NIRF (2023) ^[40]	10

Internationally, IIT Bombay was ranked 172 in the [QS World University Rankings](#) of 2023^[32] and 40th in Asia.^[33]

IIT Bombay was also ranked 4th in the overall category,^[34] 4th among research institutions,^[35] 3rd among engineering colleges^[37] and 10th among management schools^[40] in India by the [National Institutional Ranking Framework](#) (NIRF) in 2023. [Outlook India](#) ranked IIT Bombay 3rd among government engineering colleges in 2022.^[39] IIT Bombay was ranked 1st in the [QS India Rankings](#) of 2020.^[36] In, [India Today](#) Best engineering colleges 2022, IIT Bombay was ranked 2nd.^[38]

Development activities^[edit]

The Shailesh J. Mehta School of Management (SJMSOM)

Faculty members from IIT Bombay undertake industry-sponsored research and consultancy projects that are made available through the institute. These are funded by various national agencies like the [Department of Science and Technology](#), Department of Electronics, Department of Space, [Aeronautical Development Agency](#), [Department of Atomic Energy](#), and [Oil and Natural Gas Commission](#) (ONGC). Many are also working on projects of national importance. A few projects are also being funded by international agencies. Typically in one year, there are about 400 on-going sponsored projects. The sponsored research has ushered in intense research activity leading to the formation of active research groups and has helped in the creation of modern research facilities in key areas.^[41]

The office of the Dean (R&D) provides the necessary liaison with industry and sponsoring agencies. The office helps industry to identify faculty expertise and institutional facilities, and assists faculty in identifying industry problems.^[42]

There are also a number of central facilities such as the Central Library, Central Workshop, and Printing Press. Many new research facilities have been acquired or developed in the last few years. One of the most important of them is the Computer Centre which started functioning in 1986 with facilities which have been continuously updated. The Computer Aided Design Centre with its own minicomputers and workstations, supplemented by additional computing facilities, caters to CAD activity in Chemical Engineering and Metallurgical Engineering. Research groups like VLSI Design, CAD/CAM also have computing facilities which are accessible to other departments for development activities. Recently, work on developing medical implants has been initiated. The [OrthoCAD Network Research Cell](#) was established in 2007 to jump-start indigenous research and development activities in orthopedic reconstruction systems. Important experimental facilities set up by various departments include laboratories for robotics, biotechnology, microelectronics, microprocessor applications, telematics, remote sensing, low-temperature physics, and aerodynamics. Earlier IIT Bombay announced the online classes for the batch 2020-21 from August 10. A fund raising campaign was launched to help the students in need. The batch of 1994 of IIT Bombay donated Rs. 1.25 crores to help the students and provide them with laptops and internet connections which will be

helpful for the online classes. The director of IIT Bombay thanked the alumni members for their constant support towards their college.^[43]

Student life^[edit]

Cultural and non-academic activities^[edit]

Main articles: [Techfest](#) and [Mood Indigo \(festival\)](#)

The student's Gymkhana^[44] is the parent body of all student councils and institute bodies responsible for organizing student activities and fests around the year. The major councils under Gymkhana include Hostel Affairs Council, Undergraduate Academic Council, Postgraduate Academic Council, Sports Council, Tech Council and Cultural Council. Apart from councils bodies like Mood Indigo, Techfest, Entrepreneurship Cell, Student Alumni Relationship Cell, etc.^[44] also come under the student's Gymkhana. The heads of all councils and institute bodies are elected annually for a term of one year.^[45]

The annual Science & Technology festival of IIT Bombay, [Techfest](#),^[46] which was started in 1998,^[47] is held in December every year and is Asia's largest Science and Technology festival.^[48]

[The Entrepreneurship Cell](#) of IIT Bombay (also known as E-Cell, IITB), started in 1998,^[49] organizes several activities throughout the year to promote entrepreneurship. *Eureka!* is Asia's largest business model competition conducted by E-Cell, IITB and receives participation from more than 12,500 startups.^[50] E-Summit is a two-day entrepreneurship conclave organized in the campus of IIT Bombay by E-Cell to bring together all the stakeholders of the entrepreneurship ecosystem.^[51]

The annual cultural festival [Mood Indigo](#),^[52] usually held in December is an event hosted by the student body and is Asia's largest college cultural festival.^[53] The most attractive feature of this 4-day event is the influential personalities who have graced the festival like [R D Burman](#), [Aamir Khan](#), Sir [Mark Tully](#), [Sachin Tendulkar](#), [Porcupine Tree](#),^[54] [Simple Plan](#),^[55] [Mike Portnoy](#)^[56] and many more.

These college festivals are organised, financially managed and conducted entirely by the students of this institute. All these festivals and organisations are sponsored by private enterprise.^{[57][52]}

Abhyuday, the social body of IIT Bombay also hosts one of its kind two-day social fest started in 2013 to provide a link between the real-life problems faced by the people to the students who wish to bring about a change society. The two-day fest is home to Action Plan - a social entrepreneurship competition, movie screenings, workshops and events on varied social issues. Many eminent personalities and social workers like [Sonam Wangchuk](#), [Dia Mirza](#), [Ashish Vidyarthi](#), [Tukaram Munde](#) and such have graced the social fest since its start.^[58]

Apart from these festivals, various other engineering streams based festivals are also being organised to motivate students towards Science and Technology. These include Radiance (Mechanical Engineering), Zephyr (Aerospace Engineering), AZeotropy^[59] (Chemical Engineering), Padarth (Metallurgy and Material Science Engineering), IMPULSE (Electrical Engineering) and recently, Aakaar (Civil Engineering).

The institute has music clubs "Symphony" and "Roots" which pertain to western and Indian music respectively. It also has an [LGBT](#) alliance club called "Saathi".^{[60][61]} The institute has an active [NCC](#) unit, the *2 Maharashtra Engineer Regiment*^[62] which is an attachment of the [Bombay Sappers](#).

IIT Bombay's [Diamond Jubilee](#) was held in 2018, with Prime Minister [Narendra Modi](#) attending as the chief guest of the [convocation](#) function.^[63]

Notable alumni and faculty members^[edit]

Main article: [List of Indian Institute of Technology Bombay people](#)

- [Bhavish Aggarwal](#) (co-founder of Ola Cabs)
- [Jairam Ramesh](#) (member of Rajya Sabha)
- [K. Sivan](#) (former chairman of ISRO)
- [Nandan Nilekani](#) (non - executive chairman, Infosys)
- [Nitesh Tiwari](#) (film director, screenwriter, lyricist)
- [Parag Agrawal](#) (former CEO of twitter)
- [Raghu Raghuram](#) (CEO, VMware)
- [Manohar Parrikar](#) (former Union Minister Of Defense and Ex CM, Goa)
- [Vipul Goyal](#) (stand up comedian)

