



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
2010

PROSPECTUS



Contact:

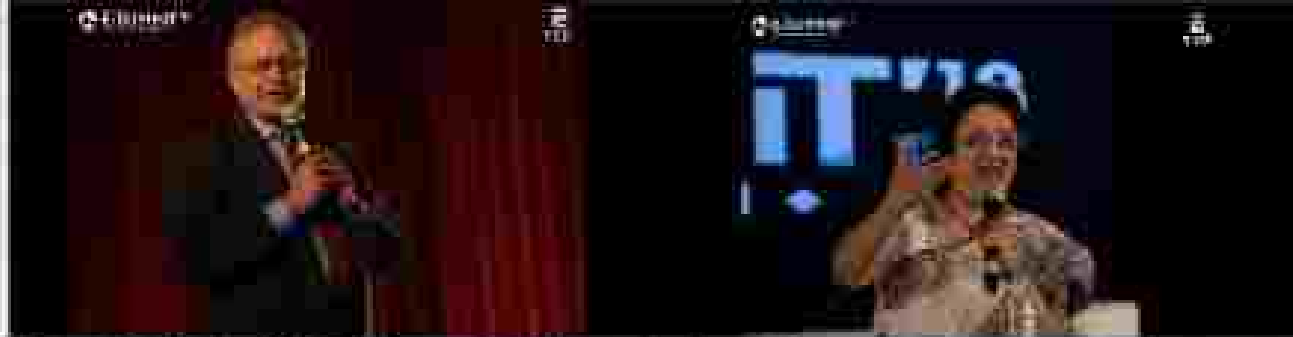
Address:
IIT Bombay, Powai, Mumbai 400 075, Maharashtra, India

Phone:
+91 (022) 2572 2545

Admission Enquiry page:
www.iitb.ac.in/adm

Website:
www.iitb.ac.in





National Institutional Ranking Framework (NIRF)

IT Bombay has secured third position in 'Overall' category, second position in 'Engineering' category and 15th position in 'Management' category of the National Institutional Ranking Framework (NIRF), which was announced by the Ministry of Human Resource Development, Government of India today.

Quacquarelli Symonds (QS) World University Rankings

IT Bombay has moved significantly up from 750th rank last year to 322nd rank in the year 2018 in the Quacquarelli Symonds (QS) World University Rankings. The Institute was ranked 37th in the QS Asia University Rankings in the year 2017.

Education

With 17 Undergraduate and 28 Postgraduate disciplines the programmes and courses offered at the Institute fulfil the flexibility to evolve and change in response to new requirements. They were the dual purpose of building a solid foundation of knowledge and of enhancing confidence, creativity and innovation in learners.

A unique attribute of IT Bombay's academic structure is the autonomy enjoyed by the faculty in designing and structuring courses and curricula.

Credit-based academic programmes offer flexibility to students to progress at their own pace. This system ensures academic programmes which are dynamic and constantly evolving and which reflect the Institute's commitment to stay in tune with the expanding frontiers of knowledge worldwide.

Campus

IT Bombay is a small township in itself. Kats in natural flow and breeze begins with the campus green area that has been maintained and even increased over the years. An island of green in the otherwise concrete jungle that is Mumbai, the campus at Powai nestles among hills and is flanked by the Powai and Vihar lakes. It is special both in terms of its physical beauty and location – a place where you can be away from the busy world, yet still be a part of it. Education and research are the twin pillars of this Institute and the sentiment is one in which new ideas and creativity can flourish.

Research

IT 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 broad 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 pre-eminence position of the cutting-edge research is reflected in the impressive list of research projects, which cater to both our national needs and global developments. The Institute houses several advanced R&D facilities, including sophisticated state-of-the-art laboratories furnished by industry. The research funding and industrial interactions of the Institute is managed by the Industrial Research and Consultancy Center (IRCC).



Established: 1958

Established in 1958, the mood of the kind, IT Bombay was the first to be set up with foreign assistance. The name IITM LINDSAY came as tribute from the then British Queen. In 1961 Parliament passed the IITs as 'Institution of National Importance'. From then, IITB has grown from strength to strength to emerge as one of the top technical universities in the world.

Campus Area: 600 acres +

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Students (Under): 10000 +

With an increase in undergraduate (UG) and postgraduate (PG) intake, the student population has undergone significant changes in the last 10 years. Presently, the Institute has over 10,000 students of which 41% are UG and 59% are PG.

Departments: 25+

IT Bombay is academically organized into 14 Academic Departments, 10 Centres, 2 Schools and 3 Interdisciplinary Programmes.

Facilities:

IT Bombay has a variety of recreational facilities and teaching aids, which help in delivery of academic content. IT Bombay has well-equipped laboratories with state-of-the-art facilities. There are excellent recreational facilities for sports, including gymnasiums, a swimming pool, courts for tennis, basketball, volleyball, hockey, football and cricket, artificial tracks and much more.

CALENDAR

Academic Year	July-June
1 st Semester	July-Nov.
Summer Vacation	Early May - Late June
Technical Foundation Day	March, 10
2 nd Semester	Jan-Apr.
Winter Vacation	Early Sept. - Late Dec.
Convocation (Interim)	Last week of Feb.
Convocation (Annual)	2 nd Week of Aug.

SPECIAL EVENTS

Moat Inaug.	December
Techfest	December

Undergraduate Study Areas

Bachelor of Technology

- Aerospace Engg.
- Chemical Engg.
- Civil Engg.
- Computer Science & Engg.
- Electrical Engg.
- Mechanical Engg.
- Met. Engg. & Mat. Sci.
- Physics (Engg. Physics)

Bachelor of Science (B.S.)

- Chemistry
- Economics
- Mathematics

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

- Electrical Engg.
- Energy Science & Engg.
- Environmental Science & Engg.
- Mechanical Engg.
- Met. Engg. & Mat. Science

Bachelor of Design (B.Des.)

- Design



Undergraduate Entry

Entry: B.Tech, DD (B.Tech.+ M.Tech.), B.S.

Admission to these program is based on the performance of the candidate in JEE Advanced examination.

Entry: B.Des.

Admission to this program is based on the performance of the candidate in UCEED examination.

Duration:

B.Tech. 4 Years

D.D. 5 Years

B.S. 4 Years

B.Des. 4 Years

Fees:

With Hostel: Rs. 1,15,100/- per semester *

Without Hostel: Rs. 1,05,700/- per semester *

* Tuition fee of Rs. 1,00,000/- included above is waived off for SC/ST/PD Category.

* Note: Above fee structure is not applicable to international students

Postgraduate Study Areas

Master of Technology

- Aerospace Engg.
- Biomedical Engg.
- Chemical Engg.
- Civil Engg.
- Computer Science & Engg.
- Earth Sciences
- Electrical Engg.
- Energy Science and Engg.
- Mechanical Engg.
- Met. Engg. & Mat. Sci.
- MMM (Cross Departmental)
- Industrial Engg. and Operations Res.
- Systems and Control Engg.
- Environmental Science & Engg.
- Geoformation and Natural Resources
- Technology and Development

Master of Design

- Design

Master of Philosophy

- Humanities and Social Sciences

Master of Management

- Management

Master of Urban Design and Engg. Urban Science and Engg.

Master of Public Policy Policy Studies

Master in Business Administration (Executive)

- Management

Master of Science

- Biotechnology
- Chemistry
- Applied Geology
- Applied Geophysics
- Mathematics
- Applied Statistics & Informatics
- Physics

Dual Degree (M.Sc. + M.Phil.)

- Environmental Science & Engg.
- Energy Science and Engg.
- Operations Research

Postgraduate Entry

Entry: M.Tech, M.Des., M.Phil., M.Mgt., MBA (Exec.)

Admission to these programmes is based on the performance of the candidate in GATE / CEED / MET / CAT / UGC-JRF / UGC-NET examinations

Entry: M.Sc., DD (M.Sc. + Ph.D.)

Admission to these programmes is based on the performance of the candidate in the JAM examination.

Duration:

M.Tech.	2 Years
M.Des.	2 Years
M.Phil.	2 Years
M.Mgt.	2 Years
M.Sc.	2 Years
DD (M.Sc. + Ph.D.)	7 Years
MBA (Executive)	18 Months

Fees: M.Tech, M.Des., M.Phil.

With Hostel:	Rs. 50,700/- per semester
Without Hostel:	Rs. 41,300/- per semester

Fees: M.Mgt.

With Hostel:	Rs. 2,27,700/- per semester
Without Hostel:	Rs. 2,18,300/- per semester

Fees: M.Sc., DD (M.Sc.+Ph.D.)

With Hostel:	Rs. 30,500/- per semester
Without Hostel:	Rs. 21,300/- per semester

Fees: MBA(Exec.)

Rs. 36,00,000/- 18 months



Research Programme

Doctor of Philosophy (Ph.D.)

- Aerospace Engg.
- Biomedicine and Biotech.
- Chemical Engg.
- Chemistry
- Civil Engg.
- Computer Science & Engg.
- Earth Sciences
- Electrical Engg.
- Energy Science and Engg.
- Humanities and Social Sciences
- Mathematics
- Mechanical Engg.
- Met. Engg. & Mat. Sci.
- Physics
- Industrial Engg. & Operations Res.

Doctor of Philosophy (Ph.D.)

- Systems and Control Engg.
- Education Technology
- Climate Studies
- Environmental Science & Engg.
- Industrial Design
- Studies in Resource Engg.
- Research in Nanotechnology & Science
- Technology Alternatives for Rural Areas
- Urban Science and Engg.
- Management
- Policy Studies

Doctoral Prog. Entry

Entry: Admission to Ph.D. programmes is based on the performance of the candidate in written test / interview and also in national examinations of GATE / CEED / JRF of CSIR / UGC / NBHM / DGT / ICAR / KMER / HPH or DST INSPIRE Fellowship / UGC-NET Lectureship (ELI). For details pls see <http://www.iitb.ac.in/newsandhome/brochure/f04201009March.pdf>

Duration: 5 Years.

Fees: Rs. 52,700/- per semester

Tuition Fee (Incl.): Rs. 25,000/-

Tuition fee is waived off for SC/ST/PD Category.

International Students

Entry:

B.Tech., Dual Degree, U.S.

International students interested in pursuing their undergraduate studies at IIT Bombay (i.e. B.Tech., Dual Degree, U.S. programs), have to appear for the Joint Entrance Examination conducted by the IITs. For more details, please visit : <http://www.iitb.ac.in/ugadmission>

M.Sc.

International students interested in pursuing various M.Sc. programs are required to appear for the Joint Admission Test for M.Sc. conducted by the IITs. For more details, please visit : <http://joint.iitb.ac.in>

M.Tech., M.Phil., M.Des., M.Mgt. & Ph.D.

International students can seek admission to various Postgraduate and Research Programmes (M.Tech., M.Phil., M.Des., & Ph.D.), under the following categories:

- Self financing Students
- ICER Scholarship (Government of India)
- Foreign Government Sponsorship

Students seeking admission in any one of the aforesaid categories are required to satisfy the minimum eligibility criteria for admission to the programmes as prescribed by the Institute. For more details, please visit: <http://www.iitb.ac.in/newsandhome/ugadmission.jsp>

Fees:

A) Fees payable at the time of admission: **US\$ 500**

B) Per semester (2 semester per year) Tuition Fee:

- **US\$ 2000** (For students other than SAARC)
- **US\$ 1000** (For Students from SAARC Countries)
- **INR 5000** (For foreign nationals under MOU/FIN-TA scheme as per with the rule applicable to IITB-TA students)

Please refer the following link for up-to-date information:
<http://www.iitb.ac.in>

Scholarships

Undergraduate

Scholarship	Awarded to	Amount
Merit cum-Merit	B.Tech., B.E., Dual Degree (B.Tech.) M.Tech., M.Sc. students.	Rs. 1000/- per month for 10 months. Benefit of free tuition fee.

Postgraduate

Scholarship	Awarded to	Amount
	Ph.D.	Rs. 25,000/-
	M.Sc. + Ph.D.	Rs. 20,000/-
Instt. Teaching Assistantship	M.Sc. + M.Tech.	Rs. 12,400/-
	DD (B.Tech. + M.Tech.) (Applicable in the 1 st yr. only)	Rs. 8,000/-
	M.Tech.	Rs. 12,400/-
PG Teaching Assistantship	M.Tech.	Rs. 12,400/-
	M.Phil.	Rs. 12,400/-
CSIR Fellowship	Ph.D. students	Rs. 25,000/-
CSIR JRF	Ph.D. students	Rs. 25,000/-
	Ph.D. students	Rs. 25,000/-
	M.Phil. students	Rs. 25,000/-
UGC Scholarship	Engg. & Tech.	Rs. 25,000/-
	M.Sc. + Ph.D.	Rs. 25,000/-

Govt. Fellowship / Scholarship

Scholarship	Awarded to	Amount
National Board of Higher Mathematics (NBHM)	Ph.D.	Rs. 25000/-
Dept of Biotechnology, Jr. Research Fellowship (JRF-2017)	Ph.D.	Rs. 20000/-
DRG Inspire	Ph.D.	Rs. 25000/-
Indian Council of Medical Research (ICMR)	Ph.D.	Rs. 20000/-
Maharashtra Pollution Control Board (MPCB)	Ph.D.	Rs. 18000/-
TM Dept. JRF	Ph.D.	Rs. 70000/-
DAE (Board of Research in Nuclear Science- BRNS)	M.Tech.	Rs. 30000/-
Atomic Energy Regulatory Board (AERB)	M.Tech.	Rs. 30000/-

Ph.D. Scholarship for International Students:

Application fee (non-refundable)		US \$ 20
Teaching Assistantship (First 2 yrs.)	Rs. 25,000/-	US \$ 385 Approx.
Teaching Assistantship (after 2 yrs. until the 5 th year)	Rs. 22,000/-	US \$ 410 Approx.

Please refer the following link for up-to-date information:

<http://www.iitb.ac.in/academic/home/Foreign2015-16/jrf.jsp>



Message from the Director

Indian Institute of Technology Bombay has a rich tradition of pursuing excellence and has continually re-invented itself in terms of academic programmes and research infrastructures. Students are exposed to challenging research-based academics and a host of sport, cultural and organisational activities on its vibrant campus. The presence of world class research facilities, vigorous institute-industry collaborations, international exchange programmes, interdisciplinary research collaborations and industrial training opportunities help the students of IIT Bombay to excel and rise ahead in the competitive professional environment. I am pleased to state that the Institute continues to be ranked as one of the top universities of the country and among the best in the world. With our theme - Research that makes a difference, IIT Bombay has made concerted efforts to align its R&D focus with the national goal of achieving technological self-reliance.

We aspire to see IIT Bombay among the top ranks of technical universities, known for its outstanding undergraduate programme and for its contributions to research and participate in solutions of problems facing the nation and the world by providing new ideas and talent.

Prof. Devaraj V. Khakhar
Director, IIT Bombay

"IIT Bombay is a premier technical institute of India that attracts the best faculty and students to its undergraduate and postgraduate programs. We provide a rigorous academic environment, which both motivates and challenges our students. While our faculty members set high standards for students, they are also accommodating of individual concerns and needs, often spending considerable time engaging with students outside of classes as well. We believe that the diversity of our academic program, and the cutting edge research at IIT Bombay, results in a professionally enriching experience for both undergraduates and postgraduate students."



Prof. Divya Paul
Associate Dean
Academic Programmes



Prof. Anilraj De
Dean
Academic Programmes



"IIT Bombay is an institute where students come for high quality academics. However along with academic and intellectual growth, the campus environment and facilities promote the growth of an individual in terms of physical activities (sports), cultural activities and co-curricular activities (various clubs and technology clubs). All of these together help in building personality, character, interpersonal skills and leadership skills, which are important for a happy, productive and successful life beyond the student days."

Prof. Saigyo Mukherji, Ph.D.
Dean of Students Affairs, Institute Chair Professor

Contact Information

Undergraduate Admission	Postgraduate Admission	
JEE (Advanced), UCEED	A) Graduate Aptitude Test in Engineering	D) Common Entrance Exam for Design (CEED)
Chairperson, JEE (Advanced), UCEED & CEED	Chairperson GATE	Chairperson, JEE (Advanced), UCEED & CEED
Address: JEE Office, IIT Bombay, Powai, Mumbai 400075	Address: GATE Office, IIT Bombay, Powai, Mumbai 400075	Address: JEE Office, IIT Bombay, Powai, Mumbai 400075
Phone: +91 (22) 2572 4063 / 5000 / 9004	Phone: +91 (22) 2572 3108	Phone: +91 (22) 2572 4063 / 5000 / 9004
Fax: +91 (22) 2572 0306	Fax: +91 (22) 2572 3100	Fax: +91 (22) 2572 0306
E-mail: jeed@iitb.ac.in / ceed@iitb.ac.in	E-mail: gate@iitb.ac.in	E-mail: ceed@iitb.ac.in
Website: www.jee@iitb.ac.in / www.ceed.iitb.ac.in	Website: www.gate.iitb.ac.in	Website: www.ceed.iitb.ac.in