



# INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

Powai, Mumbai – 400 076

## Admission to Post-Graduate Programmes

Applications are invited for admission to the following Post-Graduate Programmes for the Academic Year 2011-12 starting from July 2011

| Programme        | Minimum Eligibility criterion  |
|------------------|--|
| <h1>M.Tech.</h1> | <p><b>GENERAL ELIGIBILITY FOR M.TECH PROGRAMMES IN ALL DEPARTMENTS/CENTRES/SCHOOLS/ID GROUPS/ CROSS-DEPARTMENTS.</b></p> <p>A) Candidates with FIRST class or 60% marks in B.E. / B.Tech/B.Sc. (Engg.)/ M.Sc. / MCA / MBBS / M.Pharm/ B.Pharm (4 yr. degree)/BDS (4 yr. degree) or equivalent in appropriate branches (55% marks for SC/ ST) and a high GATE score are eligible to apply for various M.Tech. programmes as shown in <b>Table III of M.Tech Information Brochure 2011-12.</b></p> <p>FIRST class (60% marks) in qualifying degree (55% marks for SC / ST) is an essential general eligibility criterion.</p> <p>For candidates with an MBBS background, qualification in MCI/PGI Chandigarh/AIIMS/AFMC Pune/post graduate entrance exam is required for BME M.Tech programme (Details in Table IV).</p> <p><b>B) Candidates with Associate Membership Examinations (A.M.I.E, etc.)</b></p> <p>Candidates who have passed the Associate Membership Examinations conducted by recognized professional bodies (like Institution of Engrs. (India), Institute of Chemical Engrs., Aeronautical Society of India, Institute of Electronics &amp; Telecommunication Engrs., Indian Institute of Metals etc.,) are also eligible to apply for the appropriate M.Tech programmes, provided they fulfill the following requirements:</p> <ol style="list-style-type: none"><li>the above examinations are recognized as equivalent to B.E. / B.Tech Degree.</li><li>candidates MUST have obtained a FIRST CLASS or 60% marks (55% marks for SC / ST candidates) in the above examinations.</li><li>the candidates have a minimum of two years professional experience after passing the final examinations of his qualifying degree. candidates have a valid GATE score.</li></ol> <p><b>C) Admission for IIT B.Tech. degree holders :</b></p> <p>Candidate from IIT B.Tech. Student's getting a (CGPA/CPI) score of 8.00 &amp; above (irrespective of Birth category) are exempted from requirement of GATE clearance. They are admitted to M.Tech. Programme</p> |

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|  | <p>through normal procedure for selection of candidates for TA/RA positions through written test and/or interview.</p> <p><b>This is general eligibility criterion, however, applicant must satisfy the eligibility criterion specified by the respective Departments / Centres / Schools/ ID Groups as per the M.Tech. Information Brochure 2011-12.</b></p>   |
| <h1 style="color: #800040; text-align: center;">Ph.D.</h1> | <p><b>GENERAL ELIGIBILITY CRITERION FOR ADMISSION IN ALL DEPARTMENTS/ CENTRES/SCHOOLS/ I D GROUPS.</b></p> <p>One of the following in appropriate areas:</p> <p>1) First class or 60% marks (55% marks for SC/ST) in Master's Degree in Engineering /Technology or equivalent</p> <p style="text-align: center;">OR</p> <p>2) First class or 60% marks (55% marks for SC/ST) Master's degree in Science or a first class or 60% marks (55% marks for SC/ST) in Bachelor's degree in Engineering / Technology. Candidates meeting this requirement must also fulfill one of the following additional requirements:</p> <ul style="list-style-type: none"> <li>• Valid GATE score</li> <li>• CSIR / UGC / NBHM / DBT award</li> <li>• Minimum of 2 years of professional work experience (for SW/SF/IS category)</li> <li>• Minimum 6 months project work experience in IIT Bombay (for PS category)</li> </ul> <p><b>REQUIREMENTS FOR TEACHING ASSISTANTSHIP (TAship)/RESEARCH ASSISTANTSHIP (RAship):</b></p> <p>A) Candidates with Master's Degree in Engineering / Technology are eligible for TAship / RAship. Candidates without Master's Degree in Engineering/ Technology require either a valid GATE score or CSIR/ UGC/ NBHM/ DBT award to be considered for TA/RAship.</p> <p>B) <b><u>Admission for IIT B.Tech. degree holders :</u></b><br/> Candidate from IIT B.Tech. Student's getting a (CGPA/CPI) score of 8.00 &amp; above (irrespective of Birth category) are exempted from requirement of GATE clearance. They are admitted to Ph.D. Programme through normal procedure for selection of candidates for TA/RA positions through written test and/or interview.</p> <p><b>This is general eligibility criterion, however, applicant must satisfy the eligibility criterion specified by the respective Departments/Centres/ Schools/ ID Groups as per the Ph.D Information Brochure 2011-12.</b></p> |

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| <p style="text-align: center;"><b>M.Phil</b><br/>(Planning &amp; Development)</p>  | <p>Master's degree in Arts, Commerce or equivalent with a minimum of 55% marks or equivalent letter grade (50% marks for SC/ST) from a recognized university or deemed university.</p> <p>B.Tech./M.Sc. degree or equivalent with adequate background in Social Sciences with a minimum of 60% marks or equivalent letter grade (55% marks for SC/ST).</p> <p>Admission to this programme is open to those who qualify in M.Phil. Entrance Test (MET) / GATE/ UGC-JRF/ UGC-LECTURERSHIP.</p> <p>Those appearing for the above exams may also apply. Those who are in service can apply as sponsored candidates. The selection will be based on the qualifying test and interview.</p>   |
| <p style="text-align: center;"><b>M.Des.</b></p> <p style="text-align: center;"><b>Industrial Design/<br/>Visual Communication /<br/>Animation /<br/>Interaction Design/<br/>Mobility &amp; Vehicle<br/>Design</b></p> | <p>The candidate should have a minimum of 55% marks (50% marks in case of SC/ST) or equivalent grades in the qualifying examination (as listed below).</p> <p>I) <u>Industrial Design:</u></p> <ul style="list-style-type: none"> <li>(i) Bachelor's Degree in Engineering/Architecture/Design/Interior Design, or equivalent</li> <li>(ii) Professional Diploma in Design (NID/CEPT, or equivalent).</li> </ul> <p>II) <u>Visual Communication / Animation /Interaction Design</u></p> <ul style="list-style-type: none"> <li>(i) Bachelor's Degree in Engineering/Architecture/Design/ Interior Design, or equivalent</li> <li>(ii) Professional Diploma in Design (NID/CEPT, or equivalent).</li> <li>(iii) BFA (4 year Professional Programme, after 10+2)</li> <li>(iv) GD Art ( 5 years programme after 10<sup>th</sup>) with one year professional experience.</li> <li>(v) Master's degree in Arts/Science/ Computer Application.</li> </ul> <p>III) <u>Mobility &amp; Vehicle Design</u></p> <ul style="list-style-type: none"> <li>(i) Bachelor's Degree in Engineering/Architecture/Design/Interior Design, or equivalent</li> <li>(ii) Professional Diploma in Design (NID/CEPT, or equivalent).</li> <li>(iii) BFA (4 year Professional Program, after 10+2)</li> </ul> <p>All applicants who would like to be considered for admission must have passed CEED (Common Entrance Exam for Design).</p> <p>Separate application must be submitted for each discipline alongwith the application fee for each.</p> |

----- ADDITIONAL INFORMATION -----

**Important Guidelines for M.Tech. Online/Offline(Downloadable ) :**

1. Please read the instructions given in the brochure CAREFULLY before you start filling up the application form.
2. Online Application Form & Information Brochure is available on the Institute website [www.iitb.ac.in/](http://www.iitb.ac.in/) admissions from 16<sup>th</sup> March 2011 to 8<sup>th</sup> April 2011. Candidates are advised to submit their application ONLINE on or before 8<sup>th</sup> April 2011.
3. Offline (Downloadable) Application Form ( & Information Brochure can be downloaded from the Institute website from 24<sup>th</sup> March to 31<sup>st</sup> March 2011. Candidates are advised to submit their application on or before 4<sup>th</sup> April 2011.
4. The cost of Application form is Rs. 300/- for GN/OBC-NC/PC category (belonging to GN category) (150/- for SC/ST/PC belonging to SC/ST category) is to be paid by Debit Card/Credit Card/SBI Internet Banking/Online Payment System/ Demand Draft drawn in favour of 'Registrar, IIT Bombay' payable at SBI or Canara Bank, IIT Powai/Mumbai branch. Kindly write your name on the backside of demand draft.
5. Application Forms without online payment details/Demand Draft will not be considered.
6. Candidates MUST read the 'Guidelines for filling up the Application form' given under 8 of the M.Tech. Information Brochure 2011-12, before finally submitting the Application Form.
7. Candidates must note that the options given against 'Sr. No. 14' of the application form for the M.Tech programme will be considered as FINAL and further request for change/ alteration/ addition, if any, will not be entertained.

The candidates must exercise the option CAREFULLY as no change/alteration/addition, if any, will be entertained after FINAL submission of application form. However, they will be given an option to withdraw or re-submit the application form 'ONLINE' from 25<sup>th</sup> March 2011 to 1<sup>st</sup> April 2011 to freeze the options permanently.

8. OBC candidates must note that the limit of annual income of Rs. 2.5 lakhs has been raised to Rs.4.5 lakhs for determining the creamy layer among Other Backward Classes (OBCs) candidates.
9. For PG admission at IIT Bombay:
  - A)
    1. The CPI of 6 and above on the scale of 10 will be treated as 60% and above marks.
    2. The CPI of 5.5 and above on the scale of 10 will be treated as 55% and above marks.
    3. The CPI of 4.8 and above on the scale of 8 will be treated as 60% and above marks.
    4. The CPI of 4.4 and above on the scale of 8 will be treated as 55% and above marks.
    5. The CPI of 2.4 and above on the scale of 4 will be treated as 60% and above marks.
    6. The CPI of 2.2 and above on the scale of 4 will be treated as 55% and above marks.
    7. The CPI of 1.8 and above on the scale of 3 will be treated as 60% and above marks.
    8. The CPI of 1.65 and above on the scale of 3 will be treated as 55% and above marks.

B)

“If your university considers FINAL SEMESTER marks/CPI at the time of award of degree, then you write the same in the respective column.

If your university considers FINAL YEAR marks/CPI at the time of award of degree, then you write the same in the respective column.

If your university considers AGGREGATE MARKS of all semesters/CPI at the time of award of degree, then you write the same in the respective column”.

**10. Candidates who are applying M.Tech. 'ONLINE' must note the following :**

- a) Candidates MUST note that they can submit only ONE application form against their GATE Registration Number.
- b) Candidates NEED NOT submit the hard copy of the application form and other enclosures:
  - Those who have paid the application fee through Debit Card/ Credit Card/SBI Internet Banking/Online Payment System.
  - However, they will be required to bring the photocopy of the application form alongwith the all required documents at the time of written test and/or Interview.
- Candidates MUST upload their photograph while submitting the M.Tech. application form 'Online'. If unable to upload, please send the print out of the application form along with photograph.
- Candidate can give up to 10 preferences and apply for more than one dept/centre/ID groups/ schools in ONE application form by paying the application fee through Debit Card/ Credit Card/SBI Internet Banking/Online Payment System.

**11. Candidates who are applying M.Tech.'OFF-LINE(Downloadable)' must note the following:**

- The candidates who are applying for M.Tech. "OFF-LINE(Downloadable) MUST submit the hard copy of the application form alongwith corresponding number of sets of application form and other enclosures, **on or before 4<sup>th</sup> April 2011.**
- Along with the Application form, candidates can download/ see the the following information on the Institute website :
  - i). Information Brochure, ii). Statement of Purpose (SoP) *(to be submitted only if you are applying for Aerospace Engineering Department / CTARA(TD) ).*
- Candidates who are submitting the application for M.Tech. Programme for Aerospace Engineering and CTARA(TD) 'Offline' MUST send the print out of the application form and other enclosures including printed copy of Statement of Purpose (SOP). Application form with handwritten SoP will not be considered.
- Candidates applying for Chemical (CH), Biomedical (BM), Electrical (EE1, EE2,EE3, EE4, EE5) MUST provide the following information on a printed copy along with application form :
  - Title of the final year project.
  - List four courses studied, which you think, are relevant to the M.Tech. Programme.
  - Short-term courses attended.

- Candidates who have passed the GATE examination under XE/XL discipline and/or whose qualification discipline is ZE/ZS 'Online/Offline' MUST send the print out of the corresponding number of sets of application form alongwith photocopy of the mark sheets/ qualifying degree and other enclosures.
- Candidates who are sending the application in HARD COPY, must send the corresponding number of sets of application form ( along with necessary enclosures) equal to number of Departments/ Centres/School/ID Groups applied for in a SINGLE envelope( i.e. Number of Departments/Centres/School/ID Groups applied for = No. of sets of application form).
  - Demand Draft (if not paid ONLINE).
  - Photocopy/Internet downloaded copy of the GATE score card.
  - Photocopy of the Caste/Tribe/Disabilities certificate (if applicable).
- Candidate can give up to 10 preferences and apply for more than one dept/centre/ID groups/ schools in ONE application form by enclosing only ONE demand draft.
- Candidates MUST paste their photograph while submitting the M.Tech. application form 'OFF-LINE(Downloadable)' and send the print out of the application form and other enclosures superscribing on the top 'Application form for M.Tech. Programme (XE/XL/ZE/ZS discipline).
- The duly filled application form along with the necessary enclosures and the demand draft (of the required amount) is to be sent in a big size envelope (27 cm X 20 cm), without folding superscribing on the top 'Application form for M.Tech. Programme', to the following address: Deputy Registrar (Academic), Indian Institute of Technology Bombay, Powai, Mumbai-400 076 by 4<sup>th</sup> April 2011.
- Candidates are instructed to check the Institute website [www.iitb.ac.in/admissions](http://www.iitb.ac.in/admissions) for result/important announcements.
- Candidates are also instructed to check their email address (provided in the application form) for all important communications and announcements.

### 1. Candidates applying for Ph.D. Programme must note the following :

- Please read the instructions given in the brochure **CAREFULLY** before you start filling up the application form.
- **Online** Application Form & Information Brochure is available on the Institute website [www.iitb.ac.in/admissions](http://www.iitb.ac.in/admissions) from **16<sup>th</sup> March 2011 to 5<sup>th</sup> April 2011**. Candidates are advised to submit their application ONLINE. After getting confirmation candidates must take a printout of the submitted application and send it to **Deputy Registrar (Academic), Indian Institute of Technology Bombay, Powai, Mumbai – 400 076 by 5<sup>th</sup> April 2011**.
- **OFF-LINE(Downloadable)** Application Form & Information Brochure can be downloaded from the Institute website from **22<sup>th</sup> March to 29<sup>th</sup> March 2011**. Candidates are advised to submit their application to **Deputy Registrar(Academic), IIT Bombay, Powai, Mumbai – 400 076 by 5<sup>th</sup> April 2011**.
- The cost of the application is Rs. 300/- for GN/OBC-NC/PC category( belonging to GN category) (150/- for SC/ST/PC belonging to SC/ST category) candidates.

- The application fee is to be paid by Debit Card/ Credit Card/SBI Internet Banking/Online Payment System/ Demand Draft drawn in favour of 'Registrar, IIT Bombay' payable at SBI or Canara Bank, IIT Powai/ Mumbai branch. **Application Forms without payment of fees by Debit Card/Credit Card/SBI Internet Banking/Online Payment System/Demand Draft will not be considered.**
- Candidates can apply for **THREE** Departments/ Interdisciplinary Groups / Centres / Schools in **ONE** application form by paying the application fee **ONCE**.
- For further choices, if any, additional forms is to be used by **paying additional amount separately**.
- If you have applied for more than one Department/ Centre / School / ID group than you must submit the corresponding number of sets of photocopies of the completed application form with enclosures properly arranged and stapled.
- If you do not provide sufficient number of set of photocopies you will be considered for 1<sup>st</sup> preference/or the departments for which the set of photocopies are provided.
- Along with the Application form, candidates can download/ see the the following information on the Institute website :
  1. Information Brochure,
  2. Statement of Purpose (SoP):
    - Statement of Purpose (SoP) is your opportunity to share with the Admission Committee your motivation and preparation for the Doctoral studies at IIT Bombay.
    - Please fill in the format provided to you along with application form and attach the same.
    - Candidates applying to **Shailesh J. Mehta School of Management** are required to submit a sample of recent published writings by the candidate on a relevant topics or a **1500 word essay or proposal on the topic of research interest in place of Statement of Purpose**).
- Candidates should complete the application form in all respects. Incomplete application forms will be rejected.
- Form should be filled neatly and clearly.
- OBC-NC/ SC / ST /PC candidates are requested to attach Caste / Tribe / Disability certificate along with application form.
- OBC candidates must note that the limit of annual income of Rs. 2.5 lakhs has been raised to Rs. 4.5 lakhs for determining the creamy layer among Other Backward Classes (OBC-NC) candidates.
- **The duly filled application form along with the necessary enclosures and the demand draft (of the required amount) is to be sent in a big size envelope (27cm X 20cm), without folding superscribing on the top 'Application form for Ph.D. Programme', to the Deputy Registrar (Academic), Indian Institute of Technology Bombay, Powai, Mumbai – 400 076 by 5<sup>th</sup> April 2011.**
- Candidates are instructed to check the Institute website [www.iitb.ac.in/ admissions](http://www.iitb.ac.in/admissions) for result/ important announcements.

- Candidates are also instructed to check their email address (provided in the application form) for all important communications and announcements.

Application forms for admissions to Ph.D. Programme can be downloaded from the Institute website & can submit throughout the year; however, such applications will be processed only twice in a year (i.e. July and December).

**Please read the guide-lines given in Information Brochure 2011-12 of the respective programmes.**

**Schedule for PG Admissions for year 2011-12**

| Programme | Issue/Submission of application forms |                                | Last date of receipt of completed application forms at IIT Bombay |                        |
|-----------|---------------------------------------|--------------------------------|---|------------------------|
|           | Online                                | Offline (Downloadable)         | Online  | Offline (Downloadable) |
| M.Tech    | 16-03-2011<br>to<br>08-04-2011        | 24-03-2011<br>to<br>31-03-2011 | 08-04-2011  | 04-04-2011             |
| Ph.D.     | 16-03-2011<br>to<br>05-04-2011        | 22-03-2011<br>to<br>29-03-2011 | 05-04-2011  | 05-04-2011             |
| M.Des.    | --                                    | 16-03-2011<br>to<br>12-04-2011 | --  | 12-04-2011             |
| M.Phil.   | --                                    | 05-04-2011<br>to<br>13-05-2011 | --  | 13-05-2011             |