



भारतीय प्रौद्योगिकी संस्थान

# Indian Institute of Technology Patna

## Admission to M.Tech. Programme for Academic Session 2018-19

Advt. No. IITP/ACAD/M.Tech/2018/01

Date: 09.03.2018

Applications are invited for admission to the Master of Technology (M.Tech.) programs starting in July 2018. The programs are of two years duration. The details of the programs offered by Departments and specializations are as follows:

Departments	Specializations	Seats Available*
Department of Mechanical Engineering jointly with Department of Electrical Engineering	Mechatronics	Regular & Full time – 15 Sponsored & Full time – 05
Department of Mathematics jointly with Department of Computer Science & Engineering	Mathematics and Computing	Regular & Full time – 15 Sponsored & Full time – 05
Department of Physics jointly with Department of Chemistry	Nanoscience and Technology	Regular & Full time – 15 Sponsored & Full time – 05
Department of Computer Science & Engineering	Computer Science & Engineering	Regular & Full time – 20 Sponsored & Full time – 05
Department of Electrical Engineering	Communication System Engineering	Regular & Full time – 15 Sponsored & Full time – 05
Department of Mechanical Engineering	Mechanical Engineering	Regular & Full time – 20 Sponsored & Full time – 05
Department of Civil & Environmental Engineering	Civil Engineering	Regular & Full time – 15 Sponsored & Full time – 05
Department of Materials Science & Engineering	Materials Science & Engineering	Regular & Full time – 15 Sponsored & Full time – 05
Department of Electrical Engineering	VLSI & Embedded Systems	Regular & Full time – 10 Sponsored & Full time – 05

\*Reservation of Seats for SC, ST, OBC (Non-creamy layer) and PD categories: As per Govt. of India rules.

### Categories of M.Tech. Students

The Institute admits M.Tech. students under the following categories:

#### i) REGULAR (FULL –TIME)

These are students who work full-time for their M.Tech. degrees and receive assistantships from the Institute or fellowship from any other organization funding agency.

#### ii) SPONSORED (FULL-TIME)

A candidate in this category is sponsored by a organization R&D organization, academic institution, governmental organization or industry for doing M.Tech. in the Institute on a full-time basis. The applicant must be a regular employee of his/her organization with at least **two years** of experience at the time of admission and be engaged in professional work in the discipline in which admission is sought. He/She will not receive any financial support from the Institute. **Sponsorship letter (Form I available with the application form) must be attached with the duly filled in application form.**

### Eligibility Criteria for Admission to M.Tech. Programme

The programme is open to candidates of all categories with Bachelor's Degree in Engineering / Technology / M Sc or equivalent professional degrees (AMIE, etc.) and having a valid GATE score. **Note:** All regular category candidates (**except those having B.Tech. degrees from an IIT with a minimum CPI of 8.0**) must possess a valid score of Graduate Aptitude Test in Engineering (GATE). Candidates seeking admission to M.Tech. Programme of the Institute shall have to possess a minimum of 60% marks (or a CGPA of 6.5 in 10 point scale) for General/OBC categories and 55% marks (or a CGPA of 6.0 in 10 point scale) for SC/ST categories in the final qualifying examination. All selected candidates have to produce the certificate with regard to the marks secured in the final qualifying examination by **31-10-2018**. Reservation of Seats for SC, ST, OBC (Non-creamy layer) and PD categories: As per Govt. of India rules. OBC (including OBC Minorities) (Non-creamy layer) candidates will have to enclose certificate and self-declaration statement as per prescribed format in annexure I, II and III (as applicable) available with the Application form.

#### *Additional Conditions For Candidates Still To Appear In Qualifying Examinations*

Candidates still to appear in their qualifying degree examinations may also apply, provided they appear in all their qualifying degree examinations and complete all requirements for their degrees before date of registration to M.Tech programme at IIT Patna in **July 2018**. If selected, such candidates shall be admitted provisionally, and they will have to furnish the results of their qualifying degree examinations **latest by 31-10-2018**. Further, they must fulfill the minimum requirements of marks/CGPA/CPI, and other conditions like valid GATE score etc., as mentioned under eligibility criteria for respective programmes. Failure to fulfill any of these requirements, shall automatically result in cancellation of admission.

### Selection Procedure

Selection is based on performance in GATE and Personal Interview of short-listed candidates. Marks obtained in GATE and in personal interview will have 70% and 30% weightage respectively. Personal interview will be held to test the skills in basic science, engineering, and relevant areas. Personal interviews will be conducted at IIT Patna. **The eligibility and the GATE papers for the M.Tech. programmes are given below:**

M.Tech. in Mechatronics	B.Tech./B.E. degree in Mechanical / Production /Aerospace/ Electrical/ Electronics & Communication/ Instrumentation Engineering or MSc in Electronics and Instrumentation and valid GATE score in ME, PI, AE, EE, EC, IN, PH, XE .
M.Tech. in Mathematics and Computing	M.Sc. in Mathematics/Statistics/Mathematics & Computing or Equivalent or B.Tech./B.E. degree in Computer Science/IT/ECE/Aerospace Engineering/Maths & Computing or Equivalent and a valid GATE score in MA, CS, EC.
M.Tech. in Nanoscience and Technology	M.Sc./Equivalent in [Nanoscience, Chemistry (Pure/ Applied), Physics, Applied Physics/ Solid State Physics/ Engineering Physics/ Biophysics/ Polymer Science/ Material Science] or B.Tech./Equivalent degree in [Engineering Physics/ Polymer Engineering/ Materials & Metallurgical/Materials/Mechanical/Electronics/Electrical Engineering] and a valid GATE score in CY, PH, MT, ME, EC, EE, XE (with Material Science or Polymer Science & Engineering).
M.Tech. in Computer Science & Engineering	B.Tech./B.E. degree in Computer Science/Information Technology and a valid GATE score in CS.

M.Tech. in Communication System Engineering	B.Tech./B.E. degree in Electrical Engineering/Electronics & Communication and a valid GATE score in EC.
M.Tech. in Mechanical Engineering	B.Tech./B.E. in Aerospace, Aeronautical, Automobile, Production, Manufacturing or Mechanical Engineering and a valid GATE score in AE, ME and PI.
M.Tech in Civil and Infrastructure Engineering	B.Tech/B.E. degree or equivalent in Civil, Infrastructure, Construction Engineering with valid GATE score in CE
M.Tech. in Materials Science & Engineering	B.Tech./B.E. degree in Materials, Metallurgical & Materials, Chemical, Ceramics, Polymer/Rubber, Mechanical, or MSc./Equivalent in Physics, Applied Physics, Chemistry, Applied Chemistry and valid GATE score in paper MT, CH, ME, XE (with Materials Science or Polymer Science and Engineering or Solid Mechanics or Thermodynamics)
M.Tech in VLSI & Embedded Systems	B.Tech./B.E./B.Sc. (Engineering) degree in Electrical/Electronics/Communication/Instrumentations Engineering/Computer Science & Engineering with Valid GATE score in one of EE,EC,IN,CS discipline. OR M.Sc. (Physics/Electronics) with valid GATE score in EC, IN.

#### Sponsored Candidates

An applicant employed in an industry or any other recognized organization/institution with at least two years of experience is eligible for admission to the M.Tech. programmes provided the applicant is sponsored by the employer. The applicant should have scored at least 60% marks (or a CGPA of 6.5 in 10 point scale) for General/OBC categories and 55% marks (or a CGPA of 6.0 in 10 point scale) for SC/ST Categories in the qualifying degree examination. For sponsored applicants GATE score is not mandatory and they are not eligible for assistantship. Candidate applying for Sponsored Full-Time categories must be a regular employee of the sponsoring organization with at least 2(two) years of professional experience in the respective field. Selection of these candidates is based on performance in Written Test and/or Personal Interview of short-listed candidates. Performance in Written test and in Personal interview will be the basis for the selection in M.Tech. programmes.

#### Financial Support

(For regular students who are Indian nationals)

1. Assistantships are provided to regular students (Indian nationals) at the rate of Rs.12,400/- per month, with valid and qualifying GATE score above the prescribed cut off level for M.Tech. programme . *GATE score requirement is exempted for students with Bachelor's degree from an Indian Institute of Technology (IIT) with minimum CPI of 8.0.*
2. Assistantships from external funding organizations will be available as per terms and conditions of the concerned funding organizations.
3. Students receiving assistantships from the Institute or from any other funding agencies are required to perform academic duties as per prevailing norms.
4. The continuation of the assistantship is subject to satisfactory performance of the assigned duties and satisfactory progress of the student in the M.Tech. programme.
5. Financial assistantship will be for a maximum period of 2(two) years (till the completion of end semester examination of second year).

**Application Procedure:**

Candidates are requested to use the following link to fill and submit application form online.

Link: <http://academic.iitp.ac.in>

For July 2018 admission, the online link will remain active *till*, **05-04-2018**. Please login and fill up all the parts of the application form. Follow the instructions given in the document “*Instructions to Candidates*”. At the end a final PDF will be generated. You can download it from your registered email address or from your application page.

Application Fee of Rs. 300/- (for Gen/OBC candidates) and Rs.150/- (for ST/SC/PD/Female candidates) must be submitted through online module. A copy of payment e-receipt should be sent through the application form.

Candidates are requested to use the following link to submit application fee online or through challan.

Link: <https://www.onlinesbi.com/prelogin/icollecthome.htm?corpID=595859>

You are requested to send final submitted application generated online duly signed along with copies of mark sheets/certificates and other testimonials (both sides). The completed application enclosed with the payment details (e-receipt) for application fee and attested copies of mark sheets/certificates and with other necessary enclosures (if applicable) should be sent to the ***The Assistant Registrar (Academics), Indian Institute of Technology Patna, Bihta, Kanpa Road, District -Patna, Bihar, PIN – 801106***, to reach on or before date mentioned in the advertisement. **Please mark on the top of the envelope, Application for M.Tech. admission in “ Name of the Specialization”**. Please note that your application must be complete in all respects, along with all documents, including e-Receipt of payment.

No application shall be received after the last day of submission of the hard copy of application by post. The candidates are advised to post well in advance as the Institute will not be responsible for any postal delay. In the absence of receipt of the hard copy, the application shall not be processed.

**Those applying for more than one specialization should make separate application for each specialization. They have to pay separate application fee for each specialization.**

**Selection:**

The Institute reserves the right to call a limited number of candidates for written test or/ and interview, based on performance in GATE/NET, grades/marks in the qualifying examination, etc.

**Important Dates:**

**Start Date of On-line Application Form : 09.03.2018 onwards**

**Closing Date of On-line Application Form : 05.04.2018**

**Last Date for receipt of completed Application Forms by IIT Patna is : 12.04.2018**

**Note: The above information is not the complete set of Rules & Regulations for the M.Tech. programmes at IIT Patna. For any further information, please contact**

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**Legal Jurisdiction** The Courts at Patna alone shall have the jurisdiction to settle and decide all matters and disputes related to the above referred admission process.