



भारतीय प्रौद्योगिकी संस्थान पटना Indian Institute of Technology Patna

Admission to M. Tech. Programme for Academic Session 2024-25

Advt. No. IITP/ACAD/M. Tech/2024/01

Date: 01.04.2024

Applications are invited for admission to the Master of Technology (M. Tech.) programs starting in July 2024. 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 Civil & Environmental Engineering	Civil Engineering	Total: 21 Regular & Full time – 19 Sponsored – 02
Department of Civil & Environmental Engineering	Structural Engineering	Total: 17 Regular & Full time – 15 Sponsored – 02
Department of Civil & Environmental Engineering	Geotechnical Engineering	Total: 17 Regular & Full time – 15 Sponsored – 02
Department of Computer Science & Engineering	Computer Science & Engineering	Total: 27 Regular & Full time – 25 Sponsored – 02
Department of Computer Science & Engineering	Artificial Intelligence	Total: 50 Regular & Full time – 20 Sponsored – 30
Department of Chemical and Biochemical Engineering	Chemical Engineering	Total: 17 Regular & Full time – 15 Sponsored – 02
Department of Mathematics (Jointly with Department of Computer Science & Engineering)	Mathematics and Computing	Total: 21 Regular & Full time – 19 Sponsored – 02
Department of Electrical Engineering	VLSI & Embedded Systems	Total: 14 Regular & Full time – 12 Sponsored – 02
Department of Electrical Engineering	Power and Control System Engineering	Total: 12 Regular & Full time – 10 Sponsored – 02
Department of Electrical Engineering	Communication Systems and Signal Processing	Total: 21 Regular & Full time – 19 Sponsored – 02
Department of Mechanical Engineering	Thermal & Fluids Engineering	Total: 17 Regular & Full time – 15 Sponsored – 02
Department of Mechanical Engineering	Mechanical Design	Total: 17 Regular & Full time – 15 Sponsored – 02
Department of Mechanical Engineering	Advanced Manufacturing Technology	Total: 17 Regular & Full time – 15 Sponsored – 02
Department of Mechanical Engineering	Mechatronics	Total: 21 Regular & Full time – 19 Sponsored – 02

Department of Metallurgical & Materials Engineering	Materials Science & Engineering	Total: 20 Regular & Full time – 18 Sponsored – 02
*Reservation of Seats: As per Govt. of India rules.		

IMPORTANT NOTE: The candidates applying for Regular and full-time category (except Bachelor's degree holders from an Indian Institute of Technology with minimum CPI of 8.0.) **must fill in GATE Registration number and COAP Registration number correctly in the online application. Failing this, the application is liable to be rejected.**

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 R&D organization, academic institution, governmental organization, or industry for doing M. Tech. in the Institute on a full-time basis. However, Valid GATE score is a standard requirement for admission. 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.

iii) PROJECT STAFF

This category refers to a student who is working on a sponsored project in the Institute and is admitted then to M. Tech Program to work on a full-time or part-time basis. **GATE qualification is a mandatory requirement for the Project Students who wish to pursue M. Tech. qualification.** The remaining duration of the project at the time of admission should be at least one year. If the project gets completed before the student completes his/her M. Tech Program, his/her category will be converted to self-financed Category.

iv) PART-TIME

A student in this category is a professionally employed person (including the staff of IIT Patna), who pursues the M. Tech Program, while continuing the duties of his/her service. The Institute does not provide any assistantship to such a student.

Institute reserves the right to increase or decrease the number of seats in any category of admission depending on merit of the student.

Eligibility Criteria for Admission to M. Tech. Programme:

I. REGULAR & FULL TIME

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. All regular category candidates (**except those having B.Tech. degrees from an IIT with a minimum CPI of 8.0**) must have **valid GATE score**. 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/EWS 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 **31-10-2024**. Reservation of Seats is as per Govt. of India rules. OBC (including OBC Minorities) (Non-creamy layer) candidates will have to produce certificate and self-declaration statement, whenever required before admission, as per prescribed format in **Annexure I and II** (as applicable), available in the website.

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 their qualifying degree examinations and complete all requirements for their degrees before date of registration to M. Tech. programme at IIT Patna in **July 2024**. If selected, such candidates shall be admitted provisionally, and they will have to furnish the results of their qualifying degree examinations **latest by 31-10-2024**. 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 for Regular and Full-time category this year through **COAP**. For sponsored (Employee, sponsored and/or Employed & Par-Time) categories, written test/interview shall be conducted. **The eligibility and the GATE papers for the M. Tech. programmes are given below:**

M. Tech in Civil Engineering	B. Tech/B.E. degree or equivalent in Civil, Infrastructure, Construction Engineering with valid GATE score in CE.
M. Tech in Structural Engineering	B. Tech/B.E. degree or equivalent in Civil, Infrastructure, Construction Engineering with valid GATE score in CE.
M. Tech in Geotechnical Engineering	B. Tech/B.E. degree or equivalent in Civil, Infrastructure, Construction Engineering with valid GATE score in CE.
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 Artificial Intelligence	B. Tech./B.E. degree in Computer Science/IT/ECE/Aerospace Engineering/Maths & Computing/ME/Civil Engineering or Equivalent (a valid GATE score in CS/IT, EC, ME, CE for TA/RA/Part-time) M. Sc. in Mathematics/Statistics/Mathematics & Computing (valid GATE score in MA or CS/IT, EC, ME, CE for TA/RA/Part-time). For Sponsored: 1-2 years of experience (GATE not required).
M. Tech in Chemical Engineering	B.Tech./B.E. degree or equivalent in Chemical Engineering/Technology, Biochemical Engineering, Biotechnology & Biochemical Engineering, Biotechnology, Environmental Engineering, Metallurgy, Material Science/Engineering, Polymer Science/Technology, Mechanical Engineering, or Petroleum Engineering. Valid GATE score in CH, ME, BT, MT, or 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. Statistics to be considered as valid GATE paper.
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.
M. Tech in Power and Control	B. Tech in Electrical/Electrical and Electronics/Control and Instrumentation Engineering with a valid GATE score in EE, IN
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 Thermal & Fluids 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 Mechanical Design	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 Advanced Manufacturing Technology	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 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 Materials Science & Engineering	B.Tech./B.E. degree in Metallurgy, Mining, Ceramic, Polymer Science/Technology, Plastics Science/Technology, Rubber Science/Technology, Mechanical / Manufacturing / Production/ Aerospace/Electrical / Electronics & Communication Engineering, Chemical Engineering /Technology, Textile Engineering, Biochemical Engineering, Biotechnology & Biochemical Engineering, Biotechnology, Nanotechnology, Materials Science/Engineering OR M.Sc./Equivalent in Physics, Applied Physics, Electronics, Chemistry, Applied Chemistry, Polymer Science/Technology, Plastics Science/Technology, Rubber Science, Textile/Fibre Science, Chemical Engineering/Technology, Biotechnology, Nanotechnology, Materials Science/Engineering. All candidates must have valid GATE score in one of these GATE paper codes: MT, CH, ME, AE, PI, PH, CY, XE, BT, EE, EC, TF, MN

II. SPONSORED

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. Marks/CGPA/CPI criteria in the final qualifying exam will be same as prescribed for regular & full-time category. 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. Such applicants must keep ready duly endorsed **Form I** (Sponsorship letter, available in website) before the last date of application and produce it whenever required.

III. PROJECT STAFF

Candidate should be working on a sponsored project in the Institute. The remaining duration of the project at the time of admission should be at least one year. If the project gets completed before the student completes his/her M. Tech Program, his/her category will be converted to self-financed Category. Marks/CGPA/CPI criteria in the final qualifying exam will be same as prescribed for regular & full-time category. Selection of these candidates is based on performance in Written Test and/or Personal Interview of short-listed candidates. **GATE qualification is a mandatory requirement for the Project Students who wish to pursue M. Tech. qualification.** Such applicants must keep ready duly endorsed **Form II: No Objection Certificate** from Dean/ Associate Dean (R&D), IIT Patna, for Project Staff category (available in website) before the last date of application and produce it whenever required.

IV. PART-TIME

A student in this category is a professionally employed person (including the staff of IIT Patna), who pursues the M. Tech Program, while continuing the duties of his/her service. The Institute does not provide any assistantship to such a student. Marks/CGPA/CPI criteria in the final qualifying exam will be same as prescribed for regular & full-time category. Selection of these candidates is based on performance in Written Test and/or Personal Interview of short-listed candidates. Such applicants must keep ready duly endorsed **Form III: No Objection Certificate** from the employer for Part-time category (available in website) before the last date of application and produce it whenever required.

Financial Support:

A. Regular & Full Time

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).

B. Project staff category: Assistantship may be provided to students in project staff category as per the norms of the project funding agency. No assistantship will be provided from the Institute.

C. No assistantship will be provided to the students of Sponsored category and Part-time category.

▪ Application Procedure:

The details of application fee are given below:

Category	Male	Female
GEN/EWS/OBC-NCL	Rs 1000/-	Rs 500/-
SC/ST/PwD	Rs 500/-	Rs 500/-

The application fee should be paid directly in Bank Account of IIT Patna. Application fee shall not be refunded. After the payment, transaction/UTR numbers must be mentioned in the application form and the printed e-receipt of payment must be preserved. Application, without fee, shall be summarily rejected. Account details are mentioned below:

Institute Account Name : Indian Institute of Technology Patna
Name of Bank : State Bank of India
Account number : 37956807504
IFSC Code : SBIN0017164

Candidates are required to use the following link to fill and submit application form online (**Please read complete advertisement very carefully before applying online. Mistakes must be avoided. To avoid internet congestion, candidates are advised not to wait for the last date of application**)

- **Link for application:** https://www.iitp.ac.in/mtech_admission/mtech/mtech_form
- Candidates, applying for more than one specialization, must submit a separate application with **separate application fee.**
- **The candidates are NOT required to send any document through post at present. The self-attested copies of marksheets & certificates (from class X to highest degree obtained/appeared), caste certificate (if applicable), GATE/Relevant certificate, experience certificate, other testimonials, (both sides) and printed e-receipt of online payment must be produced whenever required, failing which the candidature is liable to be rejected.**
- **The selection shall be purely provisional and subject to verification of documents at a later stage.**
- **No call letter will be sent by post. The candidates should check email (including junk/spam) and website regularly for important information.**
- **Selection:**

The Institute reserves the right to call a limited number of candidates, based on performance in GATE, grades/marks in the qualifying examination, etc. and merely fulfilling minimum eligibility criteria does not guarantee selection.

Important Dates:

Start Date of On-line Application: 01.04.2024

Closing Date of On-line Application: 21.04.2024

Note: The above information is not the complete set of Rules & Regulations for the M. Tech. programmes at IIT Patna.

Important: - One should not drop / leave the programme before course completion without valid reasons thereof. Selected candidates shall have to submit an undertaking / declaration at the time of admission for refunding fellowship / assistantship drawn from the Institute in case of resignation from the program. In case of withdrawal, the refund of fees will be governed by the prevailing Institute rules / policy.

Helpline: Please note that no correspondence / query shall be entertained regarding correction of mistake(s) in the submitted application, details already available in the advertisement and irrelevant matters. First issues/problems should be identified strictly as provided in the following table and write ONLY to the concerned email id mentioned against the issues.

Sl. No.	Issues	Contact point
1.	Technical issues regarding online application	skverma@iitp.ac.in
2.	Academic matter	dracademic@iitp.ac.in 06115-233-240/784
3.	Fee -payment	arfa@iitp.ac.in 06115-233-062

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