

JIIT NOIDA

Master of Technology (M. Tech) Programs Admission Procedure and Schedule - 2024

Objective of the 2-years (4-semesters) M. Tech. programmes is to impart advanced level knowledge in the respective fields of specializations making the students better suited to academia as well as industry by having capabilities required for research, design and innovative development with creative aptitude. The curricula of M. Tech. programmes consist of core and elective subjects, project based learning and intensive dissertation/ industrial/ entrepreneurial project in the respective areas of specialization. Through compulsory core subjects the students acquire state-of-the-art knowledge in the domain of specialization. The elective courses give them opportunity to further specialize in the field depending on his/her interest and the future career plans. For project work, students are required to take-up problems on a particular topic to focus on knowledge application & problem-solving skills during their study and work. They are required to submit a dissertation/ project report at the end of the project work by compiling the results of their study, findings and contributions. M. Tech. project and dissertation work usually enables students to publish their results. Project work prepares the students' mind to take up challenging research and development tasks. Seminars are part of the M. Tech. curriculum for training the students in creative presentations, content creation and delivery on a specific current topic.

In line with NEP 2020, Student enrolled in 2 years M. Tech. programmes is allowed with a possible exit for the award of PG Diploma in case of exigency. The exit with PG Diploma will be considered only after 1+ year.

1. Salient features of different M. Tech. programmes of study offered are given below:

(i) Biotechnology

M. Tech. Biotechnology programme offers diverse and extensive aspects of biotechnology and life sciences and with a strong emphasis on research. Curriculum is enriched with electives especially devised to help individuals choose the stream of interest, compliant to his/her research aspirations and current industrial demands. The department is well equipped with state-of-the-art instruments and has requisite infrastructure to train students in the courses and research projects. The department's strength is primarily the faculty having vast doctoral and post-doctoral research experience from international and national premier institutes/universities, an active doctoral program (more than 60 scholars pursuing PhD and approximately 40 scholars with completed PhD), publications in reputed international/national journals, and sponsored research projects totalling approximately INR-11 Crores from premier national funding agencies (DBT, DST, ICMR, AICTE, AYUSH, UPCST) and consultancy projects. Interaction with leading scientists from academia and industry through invited lectures, workshops and conferences ensures all-round development. Our students pursue higher studies in reputed national and international organizations and in core biotechnology companies. Many are entrepreneurs and have their own start-ups.

(ii) Computer Science and Engineering

M.Tech. (CSE) programme has been designed to equip the students with ability and skills to analyse, design and develop computer system with their applications. The programme provides advanced level education and research exposure in various areas of computing

like Data Structures and Algorithms for Big Data, Machine Learning and Data Mining, Internet of Things, Cloud Technology, Cloud and Web Services, Data Science etc. After completing an M. Tech. in Computer Science, students can pursue careers in a wide range of industries, including software development, data analysis, artificial intelligence, machine learning, and computer networking. They can also pursue doctoral studies in computer science or related fields. Second year of the programme is devoted to dissertation /industrial internship or IT entrepreneurship project, & thus students have option to start their internship at Industry also. M.Tech. (CSE) is framed in such a way that student can design their own degree. In the beginning of the second semester, student has freedom to select the area of specialization like AI & ML, Data Science, IOT, Cyber Security etc for the remaining semesters.

(iii) VLSI Design

The M.Tech. in VLSI Design at IIIT Noida offers a rigorous curriculum combining theoretical knowledge with practical experience. Our program emphasizes hands-on learning through specialized laboratories equipped with industry-standard software and hardware. The Fabrication Laboratory, a cornerstone of our program, provides students with invaluable hands-on experience in semiconductor fabrication processes. Staffed by experienced faculty and technical experts, the lab offers state-of-the-art equipment for designing, fabricating, and characterizing semiconductor devices and integrated circuits. With a focus on both hardware and software aspects, students gain a comprehensive understanding of VLSI design, preparing them for careers in electronics manufacturing, chip fabrication, and communication industries. The program also offers opportunities for specialization, allowing students to tailor their learning experience to their career goals. Overall, the M.Tech. in VLSI Design program at IIIT Noida equips students with the knowledge, skills, and practical experience needed to succeed in the dynamic field of semiconductor technology.

2. Minimum eligibility criteria and seats

(Candidates must secure pass grade in all subjects in their qualifying exam at the time of registration)

PROGRAM OF STUDY	NO. OF SEATS	ELIGIBILITY CRITERIA
Biotechnology	08	B Tech in Biotechnology/B. Tech in Bioinformatics/ Masters in life sciences, 4 years Bachelors degree in Biotechnology/Life Sciences/ Agriculture, MBBS, B. VSc. and B. Pharma with atleast 50% marks (45% for SC/ST) or equivalent grade point on a 10 point scale in the aggregate.
	10	University/Institute will admit students under DBT support (GAT-B qualified) through centralized selection

Computer Science and Engineering	30	Bachelor's degree in Engineering / Technology or equivalent (Computer Science and Engineering/ Information Technology /Electronics and Communication Engineering/Electrical and Electronics Engineering or Equivalent) or M.Sc. (Computer Science/ Information Technology/ Mathematics/ Mathematics & Computing/ Statistics/ Operations Research/ Electronics/ Instrumentation) or MCA from a recognized Institution with at least 50% marks (45% for SC/ST) or equivalent grade point on a 10 point scale in the aggregate.
VLSI Design	06	BE/ B. Tech. in EE/ EEE/ ECE/ CSE / Electronics & Instrumentation Engineering/ Information and Communication Technology/ Instrumentation & Control Engineering, A.M.I.E./ A.M.I.E.T.E. in Electronics/ Electrical/ Instrumentation Engineering, M. Sc. in Electronics /Instrumentation/ Physics with atleast 50% marks (45% for SC/ST) or equivalent grade point on a 10 point scale in the aggregate.

3. Admission Procedure

Candidates appearing in the final year examination of the qualifying degree may also apply. They will be required to submit marksheets of the qualifying degree on or before the date of registration. The admission procedure for candidates fulfilling minimum eligibility criteria, as per the above table, is as follows;

- Direct admission to candidates with valid GATE score / any other national level entrance exam. **Or**
- Direct admission to candidates with CGPA ≥ 7.5 or equivalent in their qualifying degree. **Or**
- Admission on the basis of marks obtained in entrance test JIIT-PGET. The computer-based test will be conducted at JIIT Sector-62 Campus as per the schedule. The MCQ (50 questions) based test will be of 100 marks of two hours duration. **Or**
- Admission on the basis of score obtained in CUET-PG conducted by National Testing Agency (NTA).
- Applicants qualifying the JIIT-PGET or CUET-PG in the concerned discipline of M. Tech Programme will be considered for the admission as per merit.

4. Fees Structure:

Fee Head	1 st year		2 nd year	
	Sem-I	Sem-II	Sem-III	Sem-IV
Tuition Fee	87100	87100	91450	91450

- Caution Money - Rs. 20,000 (*One time, refundable after completion of the Program*)
- Admission Charges - Rs. 15,000 (*One time, non-refundable*)
- JYC Charge – Rs. 700 (Annual charges)

- Hostel:** Hostel Charges are Rs. 1,00,000/- per semester. Hostel seats are limited and will be allotted on first come first serve basis.

6. Teaching Assistantship

- (a) Teaching Assistantships of Rs 12000/- per month will be provided to students with valid GATE score.
- (b) Candidates with CGPA ≥ 7.5 in qualifying degree will be provided TA of Rs. 12000/- per month.
- (c) If appearing in the final year examination of the qualifying degree, then provisional TA of Rs. 12000/- per month will be offered based on the result of pre-final semester/year, subject to obtaining the CGPA ≥ 7.5 in the final marksheet of qualifying degree. The final marksheet to be submitted at the time of registration/ 30 Sep 2024.
- (d) For subsequent semesters TA will be admissible, subject to meeting the minimum SGPA criteria of ≥ 7.5 and other conditions as laid down in the M. Tech regulations.
- (e) TA will be provided to students admitted in MTech programs after the last date of admission for AY 2024-25 (from Oct 2024 for first semester).

7. Important Dates:

Last Date for Applying	31 May 2024
PG Entrance Test (JIIT-PGET)	
Round-1 (applications received upto 30 April)	11 May 2024
Round-2 (applications received in May 2024)	08 June 2024
Admission offer letter will be issued to selected candidates by email within seven days.	
<i>Subsequent rounds of admission will be based on vacancies</i>	

8. Medium of Instruction: It is informed that the medium of instruction at JIIT is English.

9. Syllabus & Format for PGET – Please see website

10. How to Apply

- (i) Online Submission of Application by visiting the link: www.getadmissions.com OR
- (ii) Duly filled application downloaded from the website www.jiit.ac.in or obtained from Admission Cell on payment of application fee of Rs. 1000/- or Demand Draft in favor of “Jaypee Institute of Information Technology”, payable at Noida/ Delhi may be deposited by hand or sent by post at below address:

The Registrar
MTech Admission
Jaypee Institute of Information Technology
A-10, Sector-62, Noida 201 309

11. For queries, write to: admission@jiit.ac.in

OR Contact us on: Mob - **7428630600/ 800**, Tel: **0120 - 2594300/ 400**