

## JIIT NOIDA

### **Direct Admission in BTech Programs Admission Procedure and Schedule - 2024**

#### **1. Direct admission will be offered for few seats in the following BTech programs:**

- (a) BTech – Electronics and Computer Engineering (ECM)
- (b) BTech – Mathematics and Computing (M&C)
- (c) BTech – Electronics Engineering (VLSI Design and Technology)
- (d) BTech – Electronics and Communication (Advanced Communication Technology)

#### **2. About the Programs:**

- (a) **BTech – Electronics and Computer Engineering (ECM)** : The program has been designed to provide comprehensive knowledge in two important subject areas; Electronics and Computer Science. The primary advantage of this hybrid program is that it prepares future engineers who are acquainted with both the hardware and the associated software / programming concepts aligned with the current requirement in industries. As a by-product it will enhance the employability opportunities for the students. The program will combine the coursework in different aspects of electronics engineering and computer science. Students can develop new technologies, for many applications such as healthcare, surveillance, communication, early disaster warning, education, entertainment, multimedia, virtual reality, human computer interface etc. in essence, this programme will give students an opportunity to develop knowledge of both the fields over a period of four years. The major highlights of the programme will be: Crossover courses of Electronics (hardware) and Computer Science (software) basics, Intensive programming courses in pre-final year and final year electives, Opportunity to do interdisciplinary minor and major projects and program will give edge to the students willing to pursue a future in IoT, 5G, AI, Embedded Systems and related fields.
- (b) **BTech – Mathematics and Computing (M&C)**: The B.Tech. in Mathematics and Computing, are drawn from the fields of computer science, mathematics, and statistics. Graduates of this programme will have a solid foundation in mathematics, statistics, and computer-related subjects as well as extensive theoretical understanding. Students can choose Programme Electives from the Department of Mathematics and Open Electives from other departments within the institute. Students will get opportunities for learning as well as developing computational techniques which can be used in many fields such as healthcare, agriculture, security, banking, finance, e-commerce, education, forensics, etc. The students will be trained towards proficiency in mathematics and computer science by a group of dedicated faculty members of JIIT.
- (c) **B.Tech Electronics Engineering (VLSI Design and Technology)**: The National Semiconductor Mission (NSM) is being pursued by the government of India with the intention of establishing a semiconductor ecosystem in India. JIIT is dedicated to become a part of this endeavor to help create trained manpower in this area to cater the huge industry demand for chip engineers. The course material will provide students with an in-depth understanding of semiconductor devices, VLSI circuit design and verification, FPGA design, and the fabrication process, in addition to hands-on experience with leading EDA (Electronic Design and Automation) tools.

Students will have the opportunity to pursue flexible course work, participate in industrial internships, work on real-world projects, and receive hands-on experience with the machinery and procedures used in the fabrication of integrated circuits. The students completing this course will be qualified for being employed in the semiconductor chip designing and fabrication industry.

VLSI Fabrication and Characterization Lab, at JIIT, is the only lab of its kind across the country to train undergraduate students in line with India's semiconductor mission. The lab will give the complete fabrication process exposure to the students and will be used for cutting edge research in this domain.

- (d) **B.Tech Electronics and Communication (Advanced Communication Technology):** This programme will be dealing with Electronics Engineering with a focus on Fifth Generation (5G) and Advance Communication Technologies like Massive Multiple-Input-Multiple-Output (MIMO), Beam Forming through Advanced Digital Signal Processing, Device to Device (D2D) communication, Millimeter Wave (mm-Wave) technologies etc. In coherence with current focus of Government of India on 5G to increase GDP, creating employment, and digitizing the economy, the four-year program will train engineering students in consonance with Government of India (GOI) and the requirements outlined by AICTE.

5G Use Case Lab at JIIT is one of 100 labs awarded by DoT, GoI across the country. The lab will be used by students, researchers and start ups in the region for 5G use cases and will help in development of 6G Technology in the country.

Focusing on skilling in 5G and related technologies to build the foundation of a digital economy, JIIT is dedicated to become a part of this endeavour to fulfil the demand for more skilled manpower with rapidly changing dynamics. The students completing this course will get career opportunities in various sectors, from telecommunications and IT infrastructure to health care, education, and manufacturing. To provide necessary skill set and focusing on 'Skilling India for Next Generation Telecom Technologies', JIIT has already tied-up with & students are getting benefitted by course(s) run by Ericsson India.

### 3. Eligibility Criteria:

- (a) Should have passed 10+2 in year 2022, 2023 or appearing in year 2024.
- (b) Candidates should have minimum of 60% marks (55% for SC/ST) in aggregate in 10+2 or its equivalent examination and should have secured a Pass grade in all subjects.
- (c) The candidate should have passed or appeared in 10+2 examination or its equivalent with Physics and Mathematics as compulsory subjects along with one subject out of Chemistry, Computer Science, Electronics, Information Technology, Biology, Informatics Practices, Biotechnology, Technical Vocational Subject, Agriculture, Engineering Graphics, Business Studies, Entrepreneurship.
- (d) Merit will be prepared on marks scored in Mathematics, Physics (both compulsory subjects) & one subject out of the list above.
- (e) In case any state board issues a single transcript / marksheet mentioning the marks in 10+1 and 10+2, then for such boards, average marks of the required subjects of both 10+1 & 10+2 will be taken into account while preparing the merit.

### 4. Admission Process: Guidelines for direct admission:

- (a) Candidates, on filling the 10+2 application form for BTech admissions at JIIT, will be asked about the option to apply for DIRECT ADMISSION Category.

- (b) Separate application number (DAG24xxxxx) will be generated for candidates who opt for direct admission.
- (c) There is No separate / additional application fee.
- (d) Merit list will be prepared based on para 2(d) above.
- (e) Candidates, as per merit, will be called for admission to the programs.
- (f) A candidate can apply for only one of the programs when called for the admission process.
- (g) Admissions will be offered only against available seats. There will be No waiting list.
- (h) Candidate confirming admission (on deposition of fees) will not be eligible for admission under any other category of BTech/Integrated MTech programmes. Their candidature will be accordingly be removed from all other BTech programs at JIIT.
- (i) No change of program/branch is allowed after admission is confirmed.

5. **Number of Seats:** 20 in each program.

6. **Fee Structure : Same as for BTech programs.**

**(a) Academic Fee**

| Fee head        | 1 <sup>st</sup> Year |               | 2 <sup>nd</sup> Year |               | 3 <sup>rd</sup> Year |               | 4 <sup>th</sup> Year |               |
|-----------------|----------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|---------------|
|                 | Sem-1                | Sem-2         | Sem-3                | Sem-4         | Sem-5                | Sem-6         | Sem-7                | Sem-8         |
| Tuition Fee     | 134300               | 134300        | 141000               | 141000        | 148050               | 148050        | 155450               | 155450        |
| Development Fee | 33000                | 33000         | 34650                | 34650         | 36350                | 36350         | 38150                | 38150         |
| <b>TOTAL</b>    | <b>167300</b>        | <b>167300</b> | <b>175650</b>        | <b>175650</b> | <b>184400</b>        | <b>184400</b> | <b>193600</b>        | <b>193600</b> |

**(b) Other Charges** (to be paid at the time of admission along with first semester fees)

|                   |               |   |
|-------------------|---------------|---|
| Caution Money     | 20,000        | <i>(One time, refundable after completion of the Program)</i> |
| Admission Charges | 25,000        | <i>(One time, non-refundable)</i>                             |
| JYC Charges       | 700           | <i>(Annual Charges, subject to change)</i>                    |
| <b>Total</b>      | <b>45,700</b> |   |

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

**7. Important Dates:**

|                          |                 |
|--------------------------|-----------------|
| Last Date of Application | 31 May 2024     |
| Direct Admission Process | 02-04 July 2024 |

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

9. **How to Apply :** Online Submission of BTech 10+2 JIIT Application form at link: [www.getadmissions.com](http://www.getadmissions.com)

10. **Cancellation of Admission :** Admission will be cancelled at any time in case of:

- (a) Candidate not meeting eligibility criteria for the program.
- (b) Fraudulent documentation.
- (c) Not joining the program within 07 days of date of registration as per admission offer letter.

11. **For queries, write to: [admission@jiit.ac.in](mailto:admission@jiit.ac.in)**

**OR Call +91-7428630800 / 600 or +91-120-2594300 / 400**