



JIIT NOIDA

Admission to New BTech Programs – AY 2023-24

- B.Tech Electronics Engineering (VLSI Design and Technology) and
- B.Tech Electronics and Communication (Advanced Communication Technology)

Procedure and Schedule

1. About the Program:

- (a) B.Tech Electronics Engineering (VLSI Design and Technology)** : It is a four-year program that is designed to train engineering graduates in accordance with the requirements outlined by AICTE. 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 is intended to provide students with an in-depth understanding of semiconductor devices, VLSI circuit design and verification, FPGA design, and the fabrication process, in addition to providing hands-on experience with leading EDA (Electronic Design and Automation) tools.

The curriculum is designed to prepare students for future industry-specific requirements. In addition, students 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 readily employable in the semiconductor chip designing and fabrication industry.

- (b) B.Tech Electronics and Communication (Advanced Communication Technology):** JIIT, a renowned and premier educational and research institute is introducing a four-year B.Tech. programme in Electronics Engineering (5G and advanced technologies). This programme will be dealing with core 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 B.Tech. in Electronics Engineering (5G and Advance Technologies) - a four-year program is designed to train engineering students in consonance with Government of India (GOI) and the requirements outlined by AICTE. 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 the career opportunities in various sectors, from telecommunications and IT infrastructure to health care, education, and manufacturing. To provide the necessary skill set for this AICTE approved programme and focusing on 'Skilling India for Next Generation Telecom Technologies', we have already tie-up with *Ericsson India* and students are getting benefitted by the course run by them.

2. Eligibility Criteria:

- (a) Candidate's date of birth as recorded in the High School/Secondary Education Board Certificate should fall on or after **October 01, 2002**.
- (b) Candidates should have minimum of **60% marks (55% for SC/ST)** in aggregate in 10+2 or its equivalent examination.
- (c) The candidate should have passed or appeared in 10+2 examination or its equivalent {as defined in JEE (Main) 2023 examination} 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) Candidates with gap year (if any) between their 10+2 and admission to UG programs will be required to submit a Gap Period Affidavit (available at the university website).

3. Number of Seats – 30 in each BTech program (of which 15 seats are available for direct admission and the balance seats will be allotted through the counselling process)

4. Admission Procedure:

- (a) Direct admission on scoring marks $\geq 75\%$ aggregate in 10+2 examination or equivalent (meeting eligibility criteria as per 2 above)
- (b) Admission will be offered on first-come-first serve basis.
- (c) No change of branch / program permitted once allotted under direct admission.
- (d) For details regarding counselling process refer to JIIT website.

5. Duration of the Program : 4 years

6. Fees Structure: Given in the supplementary brochure for other BTech programs <https://www.jiit.ac.in/sites/default/files/SupplAdmsBrochure2023P2.pdf>

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

8. Applications:

- (a) **Last date** - 15 June 2023 (or till availability of vacancies, whichever is earlier).
- (b) Filling-up of Application Forms – Fill online application form (10 + 2 Marks based Except Biotech) - JIIT Noida at link - www.getadmissions.com
- (c) Forward the filled application form (in pdf) along with 10+2 marksheet to admission@jiit.ac.in . Mention subject line as "Application Form for New BTech programs 2023".

9. Medium of Instruction: It may be noted that the medium of instruction at JIIT is English.

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

OR Call +91-7428630800/600 or +91-120-2594400/ 300