

ADMISSION DETAILS FOR B.TECH ADMISSION IN DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

I. B.TECH (ECE) AND B.TECH ECE (AVIONICS) PROGRAMME ELIGIBILITY CRITERIA

The Candidates must satisfy at least one of the following two criteria with Physics, Chemistry and Mathematics as compulsory subjects in the year of first appearance in Class XII (or equivalent examination) with a valid JEE (mains) score:

1. Candidate should have passed 10+2 Examination or equivalent with at-least 60% aggregate marks from a recognized board in 2023/2024 or who are appearing in their Class 12th Exam or any equivalent qualifying examination in 2025 are eligible. Candidates must have taken at least five subjects in class 12th/qualifying examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry /Biotechnology/ Biology/ Technical Vocational subjects. The aggregate marks for SC, ST and PwD candidates should also be at least 60%. Reservation for eligibility of candidates for SC, ST and PwD is as per GoI rules.
2. Must be within the category-wise top 20 percentile of successful candidates in their respective Class XII (or equivalent) board examination. The percentile calculation will be done for all the required subjects, in a single academic year only.
 - The marks scored in the following five subjects will be considered for calculating the aggregate marks and the cut-off marks for fulfilling the top 20 percentile criterion.
 - i. Physics
 - ii. Chemistry
 - iii. Mathematics
 - iv. A language (if the candidate has taken more than one language, then the language with the higher marks will be considered)
 - v. Any subject other than the above four (the subject with the highest marks will be considered).
 - For calculation of the total marks for five subjects, if the marks awarded in a subject is NOT out of 100, then the marks will be scaled (up or down) to 100 so that the total aggregate marks is out of 500.

1. Salient features of the Department

- Department of Electronics and Communication Engineering (DoECE) was established under the mentorship of IIST-ISRO in year 2022. The department is offering two UG programmes (B.Tech.) in Electronics and Communication Engineering (ECE), and Electronics and Communication Engineering (Specialization in Avionics).
- The Department is also offering Doctoral programs in ECE. The students also gain experience in carrying out experiments and take part in some of the research and development activities at different centres of ISRO, IIST, and related industry through their internship programmes.

- DoECE puts all the efforts to make our students to compete internationally and to produce creative solutions to society's needs, universal moral values, adherent to professional ethical code, and to generate any knowledge and technologies essential to the local and global needs in the field of ECE.
 - ✓ The quality teaching and guidance by highly qualified and experienced faculty members will benefit the students to compete globally. The regular interaction between students and faculty helps students to apply the theoretical knowledge to real life situations. Moreover, the faculty members organize special sessions, workshops, technical events, and seminars to present innovative ideas of the students. In addition, students also have an opportunity to get internship or placement at reputed organizations such as ISRO, DRDO, Bharat Electronics Ltd.(BEL) among others.
2. **Faculty Link:**

<https://www.cujammu.ac.in/employee/employee/SENGG/ECE/1/>

3. **Offered Programs:**

B.Tech in Electronics and Communication Engineering

DoECE is offering an undergraduate program in Electronics and Communication Engineering to provide the knowledge in the field of Wireless Communication, Signal & Image processing, Embedded System, RF and Antenna Design etc.

B.Tech ECE (Avionics)

DoECE is offering an undergraduate program in Electronics and Communication Engineering-Avionics to provide knowledge in the field of Aviation, Aeronautics, Space Technology, Control Systems, and Flight Control Systems etc.

Minor Degree

DoECE also offers Minor degree in the following domain:

- I. Semiconductor and Microelectronics
- II. Space Technology
- III. Cyber Security

I. PROGRAM REGISTRATION FEE

The registration fee for the program is Rs. 1000/- (For Open Merit Candidates) and Rs. 500/- for SC, ST and PwD candidates.