Offered Programmes

B.Tech. (Electronics and Communication Engineering)

APPLY NOW ADMISSION ENQUIRY

Programme Overview

B.Tech Electronics and Communication Engineering is a four-year undergraduate programme that aims to impart fundamental knowledge and understanding of circuit signals and the technical process for developing electronics and communication devices.

Programme Outcomes

Key Information

Duration

4 Years

Eligibility

- The candidate should be Indian National.
- Passed 10+2 examinations with Physics and Mathematics as compulsory subjects along with one of the Chemistry / Biotechnology / Biology / Technical vocational subject. Obtained at least

- **PO1** Apply basic knowledge of mathematics, science & engineering.
- **PO2** Identify, formulate, analyze and solve engineering problems.
- **PO3** Design and develop systems/ processes to meet the desired specifications.
- **PO4** Use of research-based knowledge to design and conduct experiments, analysis and interpret data to provide valid conclusions.
- **PO5** Apply the techniques, resources and modern engineering tools required for Electronics Engineering applications.
- **PO6** Understand effect of engineering solutions in global, economic, health, safety & societal context.
- **PO7** Understand the impact of engineering solutions on society to be aware of contemporary issues.
- **PO8** Shoulder professional and ethical responsibilities for societal development.
- **PO9** Work as effective and efficient team member of the team or leader.
- **PO10** Communicate effectively
- **PO11** Manage projects in Electronics and multi-disciplinary environment.
- **PO12** Engage in lifelong learning.

Programme Educational Objectives:

50% (45% in case of candidate belongs to reserved category (SC/ST) above subjects taken together. OR

- Passed diploma in Engineering and Technology and obtained at least 50% marks (at least 45% marks, in case of backward class categories and persons with Disability candidates belonging to Maharashtra state only)

- **PEO1** To solve real-life engineering problems and exhibit a solid foundation in mathematical, scientific, and engineering fundamentals.
- **PEO2** To exhibit professional and ethical outlook, effective communication, teamwork, multidisciplinary approach, and an ability to relate engineering issues to broader social context.
- **PEO3** To apply analysis, design, optimization, and implementation skills to formulate and solve Electronics Engineering problems.

Programme specific Objectives:

- **PSO1** Develop an ability to apply different mathematical and statistical methods for analysis and design of subsystems/ processes for a variety of applications considering the concerns for societal & environment wellbeing.
- **PSO2** Possess an ability to apply and demonstrate the usage of hardware and software platforms for a variety of real-world applications.

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Career Prospect

Graduating with a B.Tech in Electron
and Communication Engineering op
myriad of job opportunities across d
domains. Some of the job profiles
available with this degree are:dents
opt for the following job roles:

- Electronics and Communicati
Engineering
- Software Analyst
- Electronics Design and Develc
Engineer
- Desktop Support Engineer
- Field Test Engineer
- Customer Support Engineer
- Network Engineer

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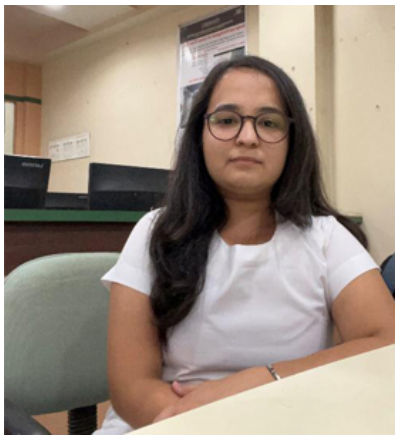
Curriculum Structure

Syllabus Sem I To VIII

Curriculum & Syllabus

Syllabus For B.Tech Electronics And Communications Engineering



I have joined Electronics Department in 201. in final year, I can confidently say that my ex of Electronics has been exceptional. The fac knowledgeable and supportive, and the res notch. I have been challenged academically my passions, with professors who are passic Outside of the classroom, there are countles involved on campus. Overall, my experience transformative, and I feel well-prepared for t cannot recommend it enough.

Aashima