ELECTRONICS & COMMUNICATION ENGINEERING
Introduction
Electronics and Communication Engineering is one of the old branches in the field of engineering. Electronics and Communication cover vast areas like semi-conductors, communications, chip design, processor design, etc. in the field of engineering.

With the explosive growth of communication media in today’s digital scenario, Electronics and Communication Engineering has become an ever growing industry. It is the utilization of science and maths applied to practical problems primarily in the field of Communication. Electronic Communication Engineers engage in research, design, development and testing of the electronic equipment used in various communications systems.

Curriculum
The curriculum is organized to get a strong foundation on various aspects of Electronics and Communication Engineering such as Digital Systems Design, Electromagnetic Theory, Digital Signal Processing, Microprocessors and Microcontrollers, Electronic Circuits, VLSI Design, Digital Communication, Analog Communication, Control Engineering, and Microwave Engineering. As part of the curriculum design all the students will learn Physics fundamentals in the first year itself.

In the final year, the students have an opportunity to choose elective courses based on the identified areas of own interest. Some of the interested areas are Embedded Systems, Wireless Communication, Satellite Communication, Biomedical Signal Processing, VLSI Fabrication Technology, Speech Processing, Optical Communication. All these areas play a significant role in developing applications ranging from a small chip in any device to a space craft.
There is a lot of scope for students doing MS, ME or MTech in the field of electronics and communication. Having masters will certainly improve your career prospects and help you get hired by top MNC’s. Governments across the globe are spending millions of dollars in this field for research and development.

So, scope for doing PhD in these fields is a risk worth taking. You will get scholarships and financial aid to do PhD from various government and non-government organizations. If you are planning to do MS or PhD programs in the US, you have to clear GRE and TOEFL exams. For MTech, you should score high in GATE exams.
Placement takes place during penultimate year or final year of the course.

**Placements are done in two stages**

In the first stage, there will be

**Aptitude Test and Technical Test.**

Technical Test will be mainly based on Electronics, Circuit Design, Communication, Microprocessor and Digital Electronics. Based on the performance in the first stage, you will be selected to the second stage.

In the second stage, there will be

**Group Discussion (GD) followed by Face to Face Technical Interview and HR Interview.**

Technical interview will be based on what you have learned in your course. Interviewer look’s for your knowledge on a topic as well as your level of confidence.

HR Interview will be based on your personality. If you are not getting placed, try for internships. Internship helps you gain experience and provides remuneration.
Major Industries for

ECE engineers

Electronics and Communication Products and Solutions are used in various industries across the world. Major Industries which offer Jobs for ECE engineers are:

- Electronics Circuit Design
- Analog Electronics
- Digital Electronics
- Control Systems
- Signal Processing
- Tele - Communications
- Nanotechnology
- Power Electronics
- VLSI
- Consumer Electronics
- Embedded Systems
- Robotics
- Optical Communication
- Mobile Companies
- Wireless Communication
- Tele - Communications
- Embedded Systems
- Optical Communication
- Mobile Companies
Salaries differ based on the companies you get placed. Fresher candidates usually get a starting salary of INR 20,000 to INR 30,000 per month depending upon their interview performance and knowledge. Package varies according to your talent and experience.