

Major career opportunities for Electronics & Telecommunication (E&TC) Engineering students

1. Core Electronics & Communication Industries

- Embedded Systems Engineer
- VLSI Design Engineer
- ASIC Design & Verification Engineer
- FPGA Design Engineer
- PCB Design Engineer
- Electronic Hardware Design Engineer
- Analog/Digital Circuit Design Engineer
- RF & Microwave Engineer
- Antenna Design Engineer
- Signal Processing Engineer
- Communication Systems Engineer
- IoT Engineer
- Robotics Engineer
- Automation Engineer
- Instrumentation Engineer
- Control Systems Engineer
- Electronics Testing & Validation Engineer
- Field Application Engineer (FAE)
- Technical Support Engineer

2. Semiconductor Industry

- Chip Design Engineer
- Physical Design Engineer
- DFT (Design for Test) Engineer
- RTL Design Engineer
- Verification Engineer

- Packaging Engineer
- Semiconductor Process Engineer
- Semiconductor Manufacturing Engineer
- Yield Engineer

3. Telecommunications

- 4G/5G Network Engineer
- Telecom Planning Engineer
- Wireless Communication Engineer
- Optical Fiber Engineer
- Network Operations Engineer
- Telecom Project Engineer
- Satellite Communication Engineer

4. IT and Software Industry

- Software Developer
- Full Stack Developer
- Java/Python Developer
- Cloud Engineer
- DevOps Engineer
- Data Analyst
- Data Scientist
- Artificial Intelligence (AI) Engineer
- Machine Learning Engineer
- Cybersecurity Engineer
- Network Engineer
- Database Administrator
- System Engineer

5. Government Sector

Students can appear for:

- GATE (for PSU recruitment and higher studies)
- ISRO
- DRDO
- BARC
- BEL
- ECIL
- HAL
- BSNL
- Indian Railways
- Indian Space & Defence organizations
- UPSC Engineering Services (ESE)
- State Government Engineering Services