

Electrical and Computer Engineering Opportunities

Graduates can pursue careers in:

- Embedded Systems Development
- Control and Automation Engineering
- Power Systems and Smart Grid Technologies
- Software Development for Hardware Integration
- Research and Development in IoT and Robotics



Core Engineering Jobs (Public & Private Sector)

Electrical & Electronics Industries

- **KSEB (Kerala State Electricity Board)** –
- Assistant Engineer, Substation roles (via PSC exams)
- **KELTRON** – Embedded systems, electronics R&D
- **Technopark/Infopark-based energy tech startups** – Smart grid, automation

Public Sector Companies (through PSC or GATE)

- **Electrical Inspectorate, TransGrid, Kerala Automobiles Ltd**
- **ISRO VSSC** (Thiruvananthapuram) – Hardware, control systems, embedded Systems

IT & Embedded System Roles

- **Software + Hardware Integration**
- Embedded system developer
- IoT solution architect
- Firmware developer

Companies in Technopark (Trivandrum), Infopark (Kochi), and Cyberpark (Kozhikode):

- **Tata Elxsi, UST, Qvest Global, NeST Digital, SFO Technologies etc.**
- Startups focusing on AIoT, robotics, industrial automation

Higher Studies & R&D

M.Tech/MS in:

- Embedded Systems
- Power Electronics

- Signal Processing
- Robotics/Mechatronics (IIT Palakkad, IIST Trivandrum, NIT Calicut)

Research Labs:

- IIST, C-DAC Trivandrum, VSSC – Research Fellowships and internships

MS/M.Engg abroad

- Embedded Systems
- Control & Automation
- VLSI Design
- Renewable Energy
- Robotics & AI
- Electrical Power Systems



The **Electrical and Computer Engineering (EL)** branch is **critically important** in today's technology-driven world because it forms the **backbone of modern infrastructure, automation, and digital transformation**.

It empowers you to **create, connect, control, and compute**—all critical for a smarter, sustainable, and digitally integrated future.
