



B.Tech Program in Electrical & Computer Engineering
Toc H Institute of Science & Technology

ELECTRICAL & COMPUTER ENGINEERING

Why B.Tech Program in Electrical and Computer Engineering at TIST ??

B. Tech in Electrical and Computer Engineering was commenced in the year 2020. First batch had successfully completed in the year 2024. TIST is the first private self-financing college under KTU in Kerala to offer the undergraduate B. Tech program in Electrical & Computer Engineering. This department utilizes the laboratory Infrastructure available in the Department of EEE (established in the year 2004) and the Department of CSE (established in the year 2002). The curriculum of this unique B.Tech program consists of the core courses and labs of both EEE and CSE, thus the students have the best of both the worlds.

Dept. MoUs



To provide internships and training for the students in the area of PLC, SCADA etc.



to bridge the gap between industry and academics and provide industrial training for the students.



for the students at L & T Electrical and Automation (Switchgear Training Centre) , Coonoor



Plethora of opportunities awaits the students which include

1. Tinkerhub – Toc H:

Students have the opportunity to become team members of Tinkerhub, fostering innovation and practical skills.

2. Active IEEE PES Chapter:

Engage with a vibrant IEEE PES Chapter, offering excellent funding and growth opportunities in the field of power and energy systems.



3. Interdisciplinary Engagement:

Active encouragement to participate in various events and initiatives across multiple fields, including hackathons, idea pitching competitions and social outreach programs.



LED Bulb Making and Repairing Workshop



At Snehabhavan, Piravom

Industry-Institute Interactions

- Internship Opportunities:

- L&T Switchgear Training Centre, Coonoor: Hands-on training in switchgear technology.



L & T Switch gear Lab, TIST

Machine Learning and AI at Keltron:

Internship focused on advanced machine learning and artificial intelligence.

Mercedes Benz (R&D) India Pvt. Ltd., Bangalore:

Industry internship with stipend at a leading automotive company.



Machine Learning:

Engage in cutting-edge machine learning projects.



Cybersecurity and Ethical Hacking:
Practical experience in the rapidly growing field of cybersecurity. IPCS Global: A comprehensive internship experience in various technology domains.

Android App Development:
Intensive five-day internship focusing on mobile application development.

Industry Visits:
Maker Village and CIAL: Exposure to innovative projects and technological advancements.

One day Workshop on Cyber Security by Mr. Sarath G, Cyber Forensics & Intelligence consultant, Xerolok Workshops at NIT Calicut on Ethical hacking, 3D printing and prototyping, Data science, Electric vehicles.

Certification Courses

Google Analytics for Beginners:
Mastering the basics of web analytics.

Energy Literacy Training:
Understanding the fundamentals of energy systems. Introduction to blockchain technology.

JAVA Programming:
Comprehensive training in Java.

Data Science Course (Coursera):
Acquiring skills in data analysis and machine learning. The students have also attended a variety of professional development courses like

Introduction to Cloud by IBM:
Fundamentals of cloud computing.

Web Development:

Short-term course on web design and development.

KREEPA Exhibition:
Insight into the latest industry trends and technologies



Talk on Applications of Information Technology, Communication Technology in field of Electrical Engineering by Mr. Johny Varghese, Vice President, Product Engineering Services, KalkiTech



Workshops Attended

- Generative AI:** Exploring the possibilities of AI-generated content.
- IoT using Arduino:** Hands-on experience with Internet of Things applications.
- Python:** Foundational and advanced programming skills in Python.



Cybersecurity: Understanding the essentials of protecting digital information.

