



# COIMBATORE INSTITUTE OF TECHNOLOGY

Coimbatore

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

*Organizes*

# WINTER INTERNSHIP PROGRAM-2025

*ON*

## Smart Systems and Emerging Technologies

20.11.2025-29.11.2025

### DEPARTMENT HIGHLIGHTS

The Department of Electronics and Communication Engineering was established in 1968 and offers undergraduate B.E. ECE and research Full time and Part-time programs.

The department has a team of vibrant and dedicated faculty members with expertise in diverse areas such as Signal Processing, Wireless Communication, Networking, Image Processing, VLSI Design, Embedded Systems and IoT. Over the years, the department has produced several doctorates and successfully executed funded projects from national agencies including AICTE, UGC, and DST.

The curriculum is continuously updated under the Choice-Based Credit System to align with emerging technologies and industry trends. Students benefit from hands-on training, modern laboratories, and industry-linked learning that foster innovation, problem-solving ability, and professional readiness. The department also maintains a strong alumni network and excellent placement record, reflecting its long-standing commitment to academic excellence and societal development.

### OVERVIEW

The Winter Internship Program 2025 aims to provide II and III year undergraduate students with an opportunity to gain practical exposure to the core and emerging fields of Electronics and Communication Engineering.

This intensive 10-day program bridges the gap between classroom learning and real-world applications through hands-on sessions, technical demonstrations, and guided mini-projects. The modules are designed to enhance students' understanding of electronic circuit design, embedded systems, wireless communication, signal processing, modern computing technologies such as IoT and 5G, and machine learning models.

### MODULES

- |    |   |
|----|---|
| 01 | Electron Devices and Integrated Circuits              |
| 02 | Microcontrollers and Embedded Systems                 |
| 03 | VLSI Design and Simulation                            |
| 04 | Communication Systems & 5G Technologies               |
| 05 | Internet of Things (IoT)                              |
| 06 | RF and Antenna Design                                 |
| 07 | Signal & Image Processing                             |
| 08 | Machine Learning models                               |
| 09 | Full stack application development and data analytics |

*"Empowering Future Innovators in Electronics and Communication"*

Scan for registration

For details contact,

9080034566, 9894635286

hodece@cit.edu.in

Instagram link

LinkedIn page



### PROGRAM DETAILS

Eligibility: B.E (ECE, EEE, CSE, IT)

Venue: ECE Labs, CIT.

Registration fee: Rs.800

No accommodation or refund provided

Program convener: Dr.M.Poongothai,  
Professor and Head, Department of ECE, CIT.

