

1-Week Faculty Development Programme

“Advances in IoT and AI for Smart Systems”

Organized by
Department of Electronics & Telecommunication Engineering

About the FDP

This one-week Faculty Development Programme aims to provide comprehensive insights into IoT architecture, AI/ML techniques, cloud connectivity, embedded intelligence, and the development of smart applications. Participants will gain hands-on experience with ESP32/NodeMCU, Python-based ML modeling, and cloud dashboards.

Objectives

- Understand IoT architecture and communication protocols.
- Learn integration of sensors, actuators, and edge devices.
- Apply AI/ML models for IoT data analytics.
- Work with cloud platforms such as Thingspeak and Blynk.
- Deploy TinyML models on microcontrollers.

Key Topics Covered

- IoT Fundamentals & Smart Systems
- IoT Protocols, Networks & Cloud Platforms
- ML/AI for IoT Data
- TinyML & Edge AI with ESP32
- IoT Security & Industry 4.0
- Hands-on Projects and Cloud Analytics

Contact

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