

Chettinad College of Engineering & Technology, Karur

Department of Electronics and Communication Engineering

News Report

Programme Name: Three-Day Hands-on Training on “IoT Systems using CISCO Packet Tracer”

Resource Person(s):

1. Ms.R.S.Mathubala, AP/ECE
2. Ms.G.Rajeswari, AP/ECE

Vivekanandha College of Engineering for Women(Autonomous)

Internal Resource Person: Mrs.A.Karthikeyani, AP/ECE

Date : 24.01.2025, 27.01.2025 & 28.01.2025 (Three Days)

Venue : DSP & VLSI Laboratory

Number of Participants : 58

Description:

The Department of Electronics and Communication Engineering and IEI Student Chapter successfully organized a three-day Value Added Course on “IoT Systems using CISCO Packet Tracer” for second-year ECE students from January 24, 2025 to January 28, 2024. The sessions were conducted by resource persons Ms. G. Rajeswari (AP/ECE & Former Embedded Developer), Ms. R. S. Mathubala (AP/ECE) from Vivekanandha College of Engineering for Women (Autonomous), along with internal faculty Mrs. A. Karthikeyani (AP/ECE).

The course provided a strong foundation in networking concepts, including network devices, media, protocols, and IoT systems. Students gained hands-on experience with the CISCO Packet Tracer tool, observing data flow within a network and performing basic device configurations to establish network connections using switches and routers. Additionally, they implemented a webpage using DNS and a Web Server.

By the end of the course, students were able to demonstrate how IP addresses facilitate network communication, create simple Local Area Networks (LANs), and simulate IoT-based applications using Cisco Packet Tracer.

Case Study done by Students:

1. Automation using IoT
2. Security based Automation using IoT
3. Creating Web Browser using HTTP, DNS

Training Outcomes:

- Gained strong foundation in networking concepts, including network devices, media, protocols, and IoT systems.
- Perform basic device configurations on switches and routers to establish network connections.
- Implement IoT based application simulations using the CISCO Packet Tracer tool.
- Identify and resolve fundamental network connectivity problems using Packet Tracer tools.

Photos:



