

CHETTINAD COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 24.02.2023

INNOVATIVE TEACHING METHODS

Name of the Activity Conducted : Home Automation Using CISCO Packet Tracer

Staff In charge : P.Selvan

Class : II Year ECE

Venue : 'C' Block –DSP LAB

Objective:

The objective of this activity is to devise a simulation network of smart devices which will be in control of the end-user remotely and implement the concept of smart home automation.

This activity allows the students to make use of the Cisco Packet Tracer to monitor the IoT devices in the smart home network.

Outcome:

- Students will construct a smart home automation system by using the CISCO packet Tracer.
- Understand that networking concepts and protocols.
- Packet Tracer helps students to create their own virtual “network worlds” for experimentation, and explanation of networking concepts and technologies.

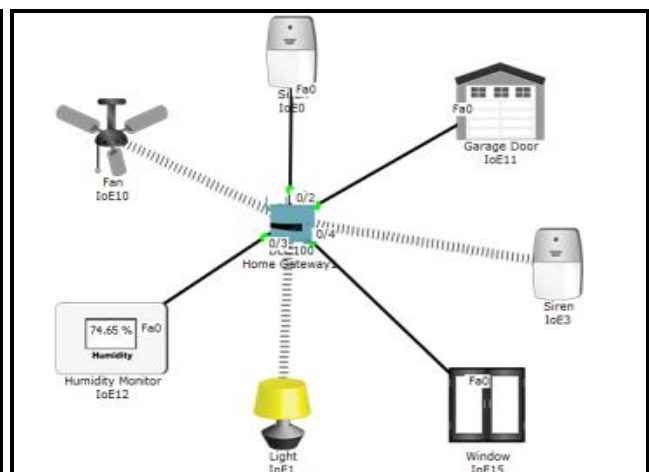
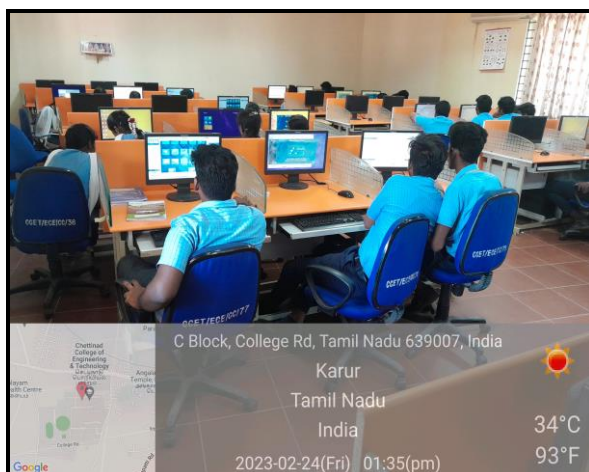
Relevant Details:

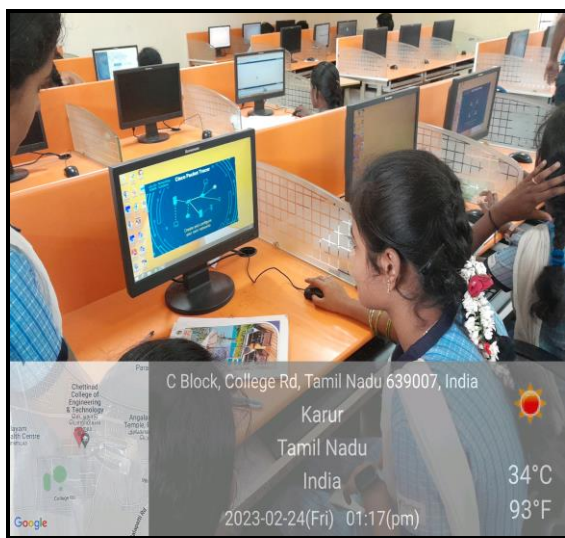
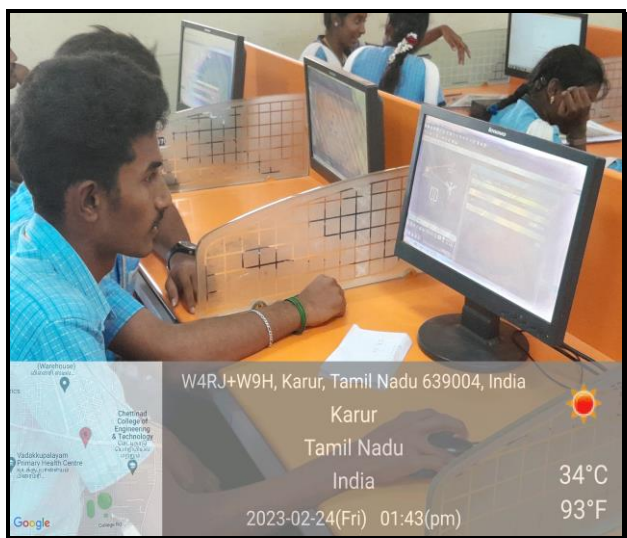
Total No of Students : 44

Total No of Present : 36

Total No of Absent : 8

Photos:





Faculty's Observation:

In this activity students were created simple home automation. Through simulation results have shown that these smart devices can be connected in a network to the home portal and objects can be successfully monitored which proves that such a model can be used for real life implementation in the user's home.