



VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE,  
CHANDKHEDA

**Expert Session - Simulation of Network topologies and Programming  
IoT Devices (Hands on: Cisco Packet Tracer)**

<b>Name of Department/Organizer</b>	COMPUTER ENGINEERING DEPARTMENT
<b>Date &amp; Time</b>	29/08/2020 & 10:30 am to 12:30 pm (5th Semester students)
<b>Expert</b>	Dr. Vijay Ukani Associate Professor CSE-Dept, Institute of Technology Nirma University
<b>Meeting Platform</b>	Google Meet Meeting Link: <a href="http://meet.google.com/yoz-sxix-ycj">http://meet.google.com/yoz-sxix-ycj</a>
<b>No of Participants</b>	104 students + 2 faculty members
<b>Event Organizer/Coordinator</b>	Dr. Uttam Chauhan and Dr. Jitendra Bhatia

**Objective of the Event**

To learn configuration and simulation of various networks, and programming IoT devices in cisco packet tracer

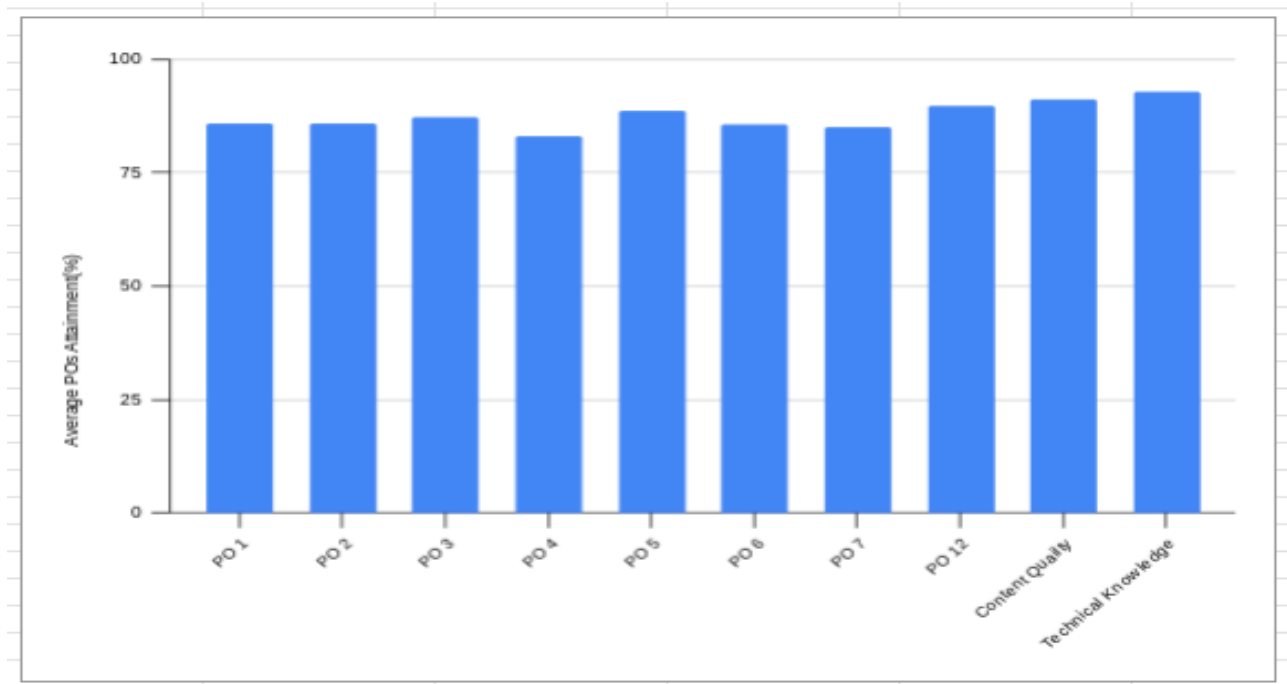
**Following contents were demonstrated in the expert session:**

- Simulating wired and wireless LAN
- Configuring VLAN (Virtual LAN)
- Configuration of the web server
- Programming IoT devices (Arduino / Raspberry Pi)
- Awareness of next generation networking features and support in Cisco packet tracer.

## Outcome of the Event

Students learned about the simulation of Wired/Wireless/VLAN, and various network configuration available in cisco packet tracer. Beyond the syllabus content, student get kick start for doing IoT programming on IoT framework in packet tracer emulator which can help them in their minor and major project work.

## Impact Analysis



## Summary

- Graph depicts the impact of industrial visit based on feedback received by 79 students of 5<sup>th</sup> semester computer engineering students.
- It shows the average attainment of various POs based on the post session feedback received from the students.
- Content quality and technical knowledge was very much appreciated due to 100% practical demonstration during the session

## Suggestions received from Student feedback

- Students expects more practical sessions like this to improve their practical knowledge in most of the subjects.
- They expect the more number of practicals and optional assignments based on different use cases in their regular lab work.

# Event Photographs

