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Report on
Two Days National Level Training Program on
"Understanding of Routing and Switching Concepts in Data Communication and Networking Using Cisco Packet Tracer"
Organized by
Department of Electronics and Communication Engineering
In association with MITS IEEE Student Branch
14 – 15 October 2022

Submitted by : Dr. Kumar C, Asst. Prof, Dept. of ECE, Madanapalle Institute of Technology and Science Madanapalle

Report Received on 27.10.2022

Total No of Participants: 60 (Students & Faculty) Venue :

Dept of ECE, MITS, AP

Resource Persons:

1. **Dr V Jayaprakasan**

   Professor/ECE, SNIST, Hyderabad

   Cisco CCNA Trained Instructor-Since 2016

   Treasurer (Interim), IEEE Hyderabad Section,

2. **Mr. Tamil Kumaran**

   Project Manager & Network Lead, CSS-COPR, Chennai

3. **Mr. B.S Ananth**

   Technical Manager - India and SAARC, ANZ, Japan and Korea, Cisco Networking

   Academy, Cisco Systems, Bangalore

The Department of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science Madanapalle, Andhra Pradesh, India in association with IEEE MITS Student Branch has organized two days (14th and 15th October 2022) workshop on **"Understanding of Routing and Switching Concepts in Data Communication and Networking Using Cisco Packet Tracer".** In the workshop, about 60 participants from MITS including faculty participated to make the event successful.

A brief summary of the workshop event by event is as follows:

Dr. Rajasekaran, Professor, Head of the Department welcomed all the dignitaries, faculty members and students and expressed his gratitude to the Management and Principal for giving permission and financial support to organize this programme.

Dr. P. Ramanathan, Vice-Principal, MITS addressed the gathering and wished MITS IEEE Day 2022

Celebration to all the Students and faculty. He motivated the students to participate in more hands-on session to acquire more knowledge. Also encouraged students to get updated with current technology. Dr. C. Kumar, Assistant Professor, Department of ECE, introduced the program Guests of the Workshop and handover the session to Chief Guests.

Dr. V. Jayaprakasan and Mr. Tamilkumaran were actively involved in explaining all the concepts related to data communication and networking. The Workshop mainly focused on explaining the impact of the Computer Network in today's life, fundamental concepts of Routing and Switching in Data Communication over Internet, to familiarize with different protocols, network components and their functions, and expertise in Communication and interconnection of network nodes with the Cisco Packet Tracer Simulation tool. Students are also involved with troubleshooting the network with Cisco Packet Tracer like debugging the DHCP service, Routing, IP Issues etc., Mr. B S Ananth, from Cisco. Inc delivered some special protocols like EIGRP, OSPF, and BGP related to Routing the internetwork data online and interacting with students. They discussed all the aspects of simulating with simulation tool.

This, two Days workshop on **"Understanding of Routing and Switching Concepts in Data Communication and Networking Using Cisco Packet Tracer"** was completed with a thanking

speech from the organizing committee members to the participants, experts of the sessions for their contribution and interest throughout the program