Title – A 5 days' workshop : A Summer School on Recent Trends in Computational Intelligence and Internet of Things

Day – 05 (25th June, 2021)

Organized by: Computer intelligence society (IEEE CIS) & EED PDEU

Total number of Participant (IEEE/Non-IEEE) – 25+

Date of Event: 21st to 25th June, 2021

Venue of Event: Online Microsoft Teams

Volunteers:

1.   Miss   Miracle Rindani (AU)

2.   Miss   Aanshi Patwari (AU)

3.   Mr.   Manavkumar Vagrecha (AU)

4.   Miss   Bhavya Pandya (PDEU)

Description:

A five days summer school on Recent Trends in Computational Intelligence and Internet of Things. The workshop flyer and the registration link was generated and floated in the third week of May 2021. The organizing chair are Dr. Siddharth Joshi from Pandit Deendayal Energy University, Gandhinagar, Gujarat, India. The eminent personalities from IEEE CIS Gujarat chapter are Dr. Mehul Raval, Chair IEEE CIS, Dr. Maulin Joshi, Vice chair IEEE CIS and Dr. Pratik Shah, IEEE CIS were also a part of the workshop. The volunteers are Miss Miracle Rindani, Miss Aanshi Patwari & Mr. Manavkumar Vagrecha from Ahmedabad University and Miss Bhavya Pandya from PDEU.

The fifth day of summer school was coordinated by Mr. Manavkumar Vagrecha. As for the other days, there were three sessions planned for the 5th day of the summer school. The first session, on Time series data analysis using machine learning (ML) approach, was conducted by Dr. Kantipudi Prasad from Symbiosis Institute of Technology. Sir gave us an insight on time series data and it's examples. He focused on various analyzing methods for the time series data using various tools and techniques.

The second session was conducted by Prof. Anand Chauhan majorly focused on AI and IoT: Step Ahead in future. He has given several advantages and usages of IoT in today's world. He explained how to integrate the 2 major fields, Artificial Intelligence and Internet of Things and where their amalgamation would be helpful.

He discussed various sectors where their combination can solve major hurdles of the future. He gave some brief information about networking and cloud related concepts helpful in the connectivity of hardware and software.

The third session was conducted by Dr. Parveez Faruki. He demonstrated majorly on Intrusion Detection and Prevention for IoT Systems using Machine Learning. He showed many possible intrusions and attacks in the IoT systems. He then explained about the prevention and detection methods for the described intrusions. He also described in brief about his research papers related to the intrusion detection : "[Network Intrusion Detection for IoT Security Based on Learning Techniques](#)"

Event Photographs –

Some moments of Day 5

- Session 1 :

- Session 2 :

- Session 3 :