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**Title** – A two days’ workshop on Recent Trends in Artificial Intelligence

**Day –** 01 (21st June, 2021)

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

**Organizing Chair:** Dr. Siddharth Joshi, Chair membership development, CIS, Assistant Professor, Department of Electrical Engineering, School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India.

**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 first day of summer school coordinated by Dr. Siddharth Joshi. The day started with a prayer as a part of inauguration function. Then, Dr. Mohendra Roy brief about the CIS, IEEE chapter and the activities. The three sessions have planned every day for the summer school. The first session was conducted by Prof. Saumik Roy from Tezpur Univeristy, Assam. Sir gives an insight on Introduction to amazing world of Neuro-Bio-Engineering with lots of examples. He focused on various structure of Neuro-Bio-Engineering. The various tools and techniques with artificial intelligence is also demonstrated.

The second session was conducted by Prof. Dr. Tejal Doshi. Madam focused on IoT in Medical Domain. She had given several advantages IoT used in medical applications. Madam started with IoT applications in various sectors like home automation, IoT in customer devices, IoT in agriculture & IoT in customer device. The components of IoT has been explained and discussed. Madam discussed various methods and technologies of IoT by pertaining various examples of IoT in medical applications. She tried to correlate the examples with the fundamentals of engineering. Madam have demonstrated the results of various applications of IoT domain in the various applications of Medical domain and in collab with engineering sciences.

The third session is hands on / demonstration session jointly conducted by Dr. Tejal Dave and Dr. Maulin Joshi. Madam demonstrated hardware applications of IoT with actual on screen demonstration. Madam demonstrated on PPG measurement using Sensor and its applications in the first half. In the second half Prof. Dr. Maulin Joshi demonstrated on PPG and ECG with the introductory remark. Sir discussed about distributed model approach using machine learning techniques. Sir also demonstrated the comparision with other techniques have been demonstrated.

**Event Photographs** –

Some moments of Day 1









