

## **Report of Factory Training on Automation**

**By Mr. Kirit Singh Chauhan**

**From 22 June 2022 to 24 June, 2022**

The Department of Electronics and Communications Engineering has organized an in-house training programme in collaboration with Mitsubishi Electric India (MEI) Pvt. Ltd. Mr. Kirit Singh Chauhan from MEI Pvt. Ltd. delivered lectures and demonstrated the working of different components present in kits in a brief and precise manner. In this training faculty, lab staff from different departments participated and interacted with engineer for better utilization of the kits.

The details of the raining are provided below:

### **Day 1**

**Wednesday, 22 June 2022 from 2:00 pm to 5:00 pm:**

Installation of required software for the Programmable Logic Controller (PLC), Inverter, Human Machine Interface (HMI) and Servo Control was done. Apart from this, there was a wiring glitch in one of two setups. That has been resolved by the engineer.

### **Day 2**

**Thursday, 23 June 2022 from 10:30 am to 1:00 pm:**

A precise presentation was given on the significance, purpose and programming the Programmable Logic Controller (PLC) in CR-10

**Thursday, 23 June 2022 from 2:30 am to 5:00 pm:**

Demonstrations were given based on simple programs of PLC. In these demonstrations, explanations were given for each and every component present on the kit, significance of different panels and wiring.

Hon. Vice Chancellor sir had an interaction with Mr. Kirit Chauhan to increase the scope of these setups in their studies.

### **Day 3**

**Friday, 24 June 2022 from 9:30 am to 1:00 pm:**

In this session, instruction set of the PLC was discussed. After this the use of Human Machine Interface and its programming has been discussed. From 11:10 am onwards, demonstration was given on the kit.

**Friday, 24 June 2022 from 2:30 am to 5:00 pm:**

In this session, the basic concepts related to Inverter had been discussed. In this primary focus was on setting the parameters of the inverter. After the tutorial, again, demonstrations were given by interfacing all the components present on the kit.

This training session helped faculty, lab staff and others to know about the significance of factory automation and it will help in directing the students to undertake some project works in the near future.