Report on
A Five Day Faculty Development Program
on
"PLC and SCADA"
Organised by
Department of ECE & EEE
From 01.08.2023 To 05.08.2023
Venue: Simulation &Control Lab (EB :103)
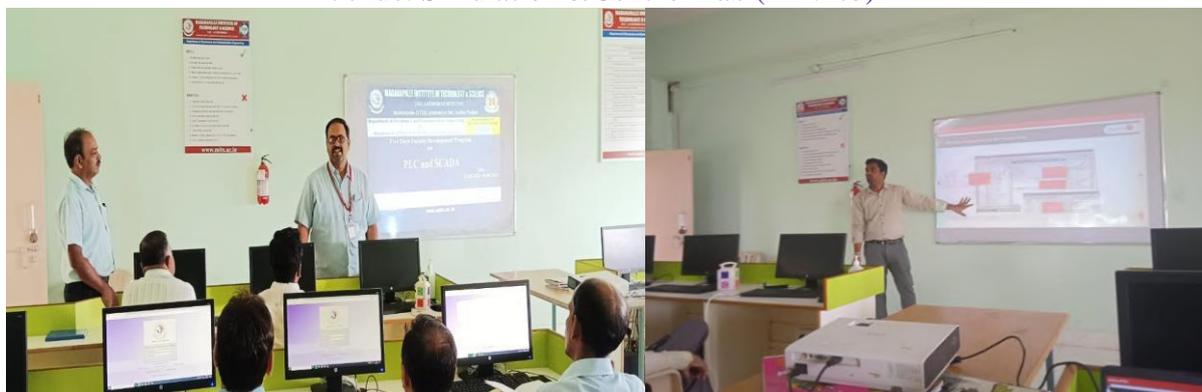
Submitted by: Dr. V B Thurai Raaj, Assistant Professor, Dept. of EEE,MITS.
Co- coordinator: Mr. Kashiraj V Kalshetti, Assistant Professor, Dept. of ECE,MITS.
             Dr. V B Thurai Raaj, Assistant Professor, Dept. of EEE,MITS.

Resource Person: Mr. Syed Alla Bakshu, Technical Service Engineer, Design Tech system Private Limited and specializes in the field of Programmable logic controller (PLC), Supervisory Control and Data Acquisition (SCADA).

No. of Participants – 31

Report Received on 29.08.2023.

A Summary of Five-day Faculty Development Programme is as follows:

The Department of ECE and EEE, MITS, Madanapalle combinedly organized a Five-day faculty development program on PLC and SCADA during 01/08/23 to 05/08/2023. Dr. C. Kamal Bahasa, Professor/EEE & Vice Principal-Administration, MITS, Dr. S. Rajasekaran Professor & HoD, / ECE, Dr. A.V Pavan Kumar, Professor & HoD / EEE welcomed the resource person. Dr. C. Kamal Bahasa gave a brief introduction about the five-days FDP. **Professor Rajasekaran** addressed the welcome note and introduced the resource person. And Dr. A.V Pavan Kumar addressed the importance of FDP and he handed over the session to the resource person.

In this FDP **Mr. Syed Alla Bakshu** was enlightened with the fundamentals of PLC and SCADA along with application development using PLC and SCADA. All sessions were very informative. Totally thirty-one Faculties were registered for this workshop from ECE and EEE Department.

Date	Topics Covered
01/08/2023-FN	Introduction to PLC, Different types of sensors Switches and lamps, Ladder logic programming & Ladder programming using logic Gate
01/08/2023 -AN	Hands-on Training
02/08/2023 -FN	Interlocking systems, Timer & Motor application on timer
02/08/2023 -AN	Hands-on Training
03/08/2023 -FN	Counter design, Up Counter, Down Counter and Up Down Counter, Problems on Counter & Conveyor belt application on timer.
03/08/2023 -AN	Hands-on Training
04/08/2023 -FN	Introduction to SCADA &SCADA System for Distributive Automation
04/08/2023 -AN	Hands-on Training
05/08/2023 -FN	SCADA application in Industry, HARDWARE View of PLC Controller & Traffic Light control System using SCADA
05/08/2023 -AN	Hands-on Training & validatory function

Out Comes:

1. The Faculties learned the PLC software along with simulation tools.
2. The Faculties can be able to teach the PLC theoretically as well as Piratically to our Students.
3. The Faculties learned the SCADA.
4. The Faculties can be able to teach SCADA to our students.

On behalf of Dept. of ECE and Dept. of EEE expressed our gratitude to the Management and Dr. C Yuvaraj, Principal for giving permission to attend and financial support to organize this program. We thank Dr. C. Kamal Basha, Professor & Vice Principal- Administration for providing necessary needs in intime and his constant support. And We Thank Dr. A.V Pavan Kumar, Professor & HoD/EEE, for his continuous guidance in all the parameters and his motivation. Finally, we thank Dr. S. Rajasekaran Professor & HoD, / ECE for giving the opportunity to us for coordinating this five-day faculty development program.