A REPORT OF EXPERT LECTURE ON “PLC & SCADA” BY SOFCON INDIA PVT. LIMITED ON 10TH MARCH 2015

E.E.E & ELECTRICAL DEPARTMENT GROW MORE FACULTY OF ENGINEERING
An Expert lecture on “PLC & SCADA” was conducted on 10th March 2015 which was delivered by SOFCON INDIA PVT. LTD.

**About SOFOCN INDIA:**

SOFCON INDIA PVT. LTD established Center of Excellence with a clear focus to enhancing training quality by rolling out best practices like lecture delivery programs (LDP), personality development programs (PDP) in all training courses. Sofcon has over two decades of rich experience in providing turnkey automation solutions to applications like cement plants, power plants, food processing plant, chemical process automation, plastic pharma Machineries, oil refineries, water treatment plants, DG automation, Energy Monitoring, Load Management, Material Handling, coal plant, SCADA systems, Aluminum, Picture tube, Automobile, Ash handling etc.

The Main aim of this expert lecture was to make students a brief about Industrial Automation and the key components of Automation Industry i.e. PLC & SCADA. This expert session was primarily for Final Year and Pre- Final Year Students of E.E.E & Electrical Engineering Students and Final Year Diploma students. Students from 8th EEE, 6th Electrical & EEE, 4th Electrical & E.E.E, 6th Electrical Diploma students and Department faculty members attended the expert lecture. The Expert Lecture started at 10:30 A.M. Students

It was basically divided in two sessions.
1. Theory Session
2. Practical Session

Mr. Mritunjaya Kumar was the expert from SOFCON demonstrated and he gave introduction about the basics of PLC & SCADA.
The main objectives of theory session delivered by the expert were:

- Identify the major components of a PLC and describe their functions
- Identify typical discrete and analog inputs and outputs
- Read a basic ladder logic diagram and statement list
- Identify operational differences between different S7-200 models
- Connect a simple discrete input and output to an S7-200
- Select the proper expansion module for analog inputs and outputs
- Describe the operation of timers and counters
- Introduction about SCADA Systems
- Configuring PLC & SCADA Systems
- Applications of PLC & SCADA

Thereafter the expert demonstrated the PLC in the practical session and showed some basic programs in PLC. Finally, students interacted with the expert person on all the above topics at the end of this Session. The expert lecture ended at 3:00 PM which was full of knowledge & motivation.

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