Mechanical Department

7th August, 2016
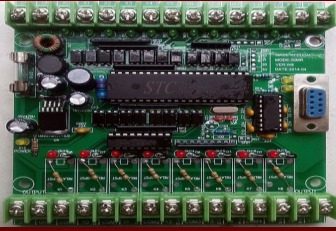
S M T . S . R . P A T E L E N G I N E E R I N G C O L L E G E

One Day Workshop Report

One Day Workshop on
PLC Based Automation

Objectives:

To make the students aware from the latest trends in industrial applications and increasing demand of Automation. Programmable Logic Controller (PLC) is very useful controller for automation which is very helpful in automation industries and project work.

Expert:

Mr. Kaushik Patel
Trainer,
NCVT Private Limited
Ahmedabad.

Workshop co-ordinator:

Prof. Harshad Patel
Prof. Sudhansu Sharma
Mechanical Deepartment, SRPEC.

Summary:

Expert introduced the students about future scopes, requirements and overall ideas of automation field in mechanical engineering.

Topics :

- Basics of Automation
- Importance of Automation in industries
- PLC, Application for SCADA
- Practical of PLC programmes for different applications
- Hands on PLC kit

DETAIL OF WORKSHOP

Workshop was started at 09:00 AM. The lecture was started by the Basics of Automation and the future requirements of Automation. Expert also explained benefits and Scopes of Automation. He then focused his lecture on how to achieve Automation by explaining types, Hardwares, PLC programming Softwares and various components of Automation. He explained PLC, Servo Drive HMI, SCADA etc. on PLC kit. He also explained WPL Soft Programming language and then students gone for Programming Practice in computer laboratory.

Feed back from Participants	Out of 10 (Average)
(a) Knowledge about PLC Based Automation.	10
(b) Practical Experience	9.7
(c) Duration	9.1
(d) Expert Knowledge and Experience	9.8
(e) Hardware and Software	9.6

Workshop Participants:
Workshop was organized for students of 5th semester Mechanical Engineering. There were 25 student Participants and 6 faculty member of Mechanical Engineering Department were present in the workshop.