



SHRI SHANKARACHARYA TECHNICAL CAMPUS

Shri Shankaracharya Group of Institutions



Faculty of Engineering & Technology

(Managed by Shri Gangajali Education Society, Bhilai)

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Department of Electronics & Instrumentation

02.12.2013

Report on PLC Basic Workshop

Following faculty members have attended the five day workshop on **PLC Basics** organized by SSTC, Bhilai from 25th November 2013 to 29th November 2013.

Name of Faculty members:

1. Anurag Shrivastava (Sr. Asst. Professor)
2. Khemraj Deshmukh (Asst. Professor)
3. Jitendra Kumar (Asst. Professor)

Topic: Workshop on Programmable Logic Controller (PLC) Basics.

Venue: Shri Shankaracharya Technical Campus, Junwani Bhilai (C.G.)

Resource Person: Mr. Tarun Thakur, Process & automation Trainer, Siemens

Background of Workshop: The workshop focused on the basics of PLC (e.g. Siemens PLC S-7/1200), hardware configuration, different languages used for programming in PLC, HMI (Human Machine Interface) configuration with PLC, SCADA (Supervisory Control And Data Acquisition) Configuration with PLC and programs related to practical applications.

Objective of Workshop:

- To enhance teaching skill in the field of industrial automation.
- To make faculties aware with different programming languages used in the PLC.
- To fill the gap between industry and academic institution in the area of industrial automation.

Conclusion: The workshop was very informative and provides hands on in PLC, HMI and SCADA configuration with PLC as well as implementation of ladder logic program based on real time problems in the industries .


Head of Department
Electronics & Instrumentation
SSCET JUNWANI BHILAI

Schedule of five day workshop on PLC basics

S.no	Date	Time	Topics
1	25/11/2013	9.00 AM to 1.00 PM	Registration Introduction of Simens PLC Introduction of Ladder Logic programming
		1.00 P.M to 2.00 PM	Lunch
		2:00 PM to 5:00 PM	Practical Session

S.no	Date	Time	Topics
2	26/11/2013	9.00 AM to 1.00 PM	Bit logic functions Mathamatical functions
		1.00 P.M to 2.00 PM	Lunch
		2:00 PM to 5:00 PM	Practical Session

S.no	Date	Time	Topics
3	27/11/2013	9.00 AM to 1.00 PM	Timers & Counters
		1.00 P.M to 2.00 PM	Lunch
		2:00 PM to 5:00 PM	Practical Session

S.no	Date	Time	Topics
4	28/11/2013	9.00 AM to 1.00 PM	Introduction to HMI (Human Machine Interface) Interfacing HMI panel with PLC Programming HMI pannel
		1.00 P.M to 2.00 PM	Lunch
		2:00 PM to 5:00 PM	Practical Session

S.no	Date	Time	Topics
5	29/11/2013	9.00 AM to 1.00 PM	Introduction to SCADA
		1.00 P.M to 2.00 PM	Lunch
		2:00 PM to 5:00 PM	Tea & Validectory function


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