Syllabus : 6 Days Short Term Course for Industry people

Day 1	Module 1,2	Module 3
Day 2	Module 4	Module 5
Day 3	Module 5	
Day 4	Module 5	Module 6
Day 5	Module 7	Module 8
Day 6	Module 9	

Module 1 Basics of electrical
This covers topics involving AC/ DC Principles, hydraulics, pneumatics. Electrical symbols used in industries, 1Phase & 3Phase power supply.

Module 2 PLC Details
History of PLC, difference between relay, contactor & PLC logic, PLC architecture.
A detail description of different PLC modules & cards.

Module 3 I/O configuration & Memory Mapping
Why I/O configuration is required? How the I/O modules are addressed for Messung, Mitsubishi, AB & Siemens – PLCs

Module 4 Programs & Ladder diagrams
First steps with the programming device, introducing the basic ladder logic instructions, contacts, coils, and PLC scan.

Module 5 The instruction Set
A look at the instructions covered in all the PLC. Each instruction being illustrated by application specific program examples. The instructions covered are:-NO/NC, Set, Reset, Timers, Counters, Comparison, Arithmetic, Logical & Move functions

Module 6 Communications & fault finding
An introduction to communication options available for the type of PLCs includes also how to find hardware faults and probable causes.

Module 7 MMI
Introduction to MMI, its need, operation details and fundamentals of MMI, fault display in MMI, timer counter setting from MMI. Interfacing with PLC

Module 8 SCADA.
Introduction to SCADA, configuration of different drivers, gateway Database of tags and its use. Interfacing with PLC and simulation of PLC application in SCADA.

Module 9 AC Drive
Fundamentals of AC Drive, block diagram of AC drive, configuration of different drives. Control of drive with and without PLC. Various applications of AC Drive. Interfacing with PLC.

SCHEDULE for PLC training : Pune (6 Days)
Batches from : April 3 , May 1 ,June- 5 , July 3 , Aug 7 , Sept 4 ,Oct 2 , Nov 6, Dec 4 - 2006

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