

COLLEGE OF ENGINEERING,PUNE.
DEPARTMENT OF INSTRUMENTATION AND CONTROL
About the course on Industrial Automation

Every day 03 hrs (6.00 pm to 9.00 pm) for 05 days. (Monday to Friday)

Course Material: CD contains all the demo software, Presentations, 1 Book

Course contents:

Module 1: Introduction to Automation, Sensors, transmitters, converters, and final control elements. Hands on experience on connection and tour to process control laboratory, PLC Architecture.

Module 2 : block schematic, requirement specifications, selection criterion. Hardware details and software development. Basic instructions like XIO, XIC, Latch, Unlatch, etc.

Module 3: Advanced instructions like Timers, Counters, Arithmetic, and Logical, etc. Hands-on experience and sample problems using these instructions.

Module 4: Development of logic using ladder programming, live process control of Boiler, heat Exchanger, ESDV, Flow loop etc.

Module 5: Development of front end (HMI), and interfacing with field devices, Selection, wiring, commissioning, Introduction to SCADA, and configuration for the SCADA.

Module 6 : Trouble shooting, and maintenance of PLC. Live process Control application development, Introduction to DCS, Assignments based on laboratory work, extensive laboratory exposure.

After every module the test will be conducted to assess the performance of the candidate.

For more details: Contact: Prof.S.D.Agashe (9890229539)

Mr.S.D.Choramale (9850054122)

sda@instru.coep.org.in

**COLLEGE OF ENGINEERING,PUNE.
DEPARTMENT OF INSTRUMENTATION AND CONTROL
SHIVAJINAGAR, PUNE 411005**

020-25507171/7189

sda@instru.coep.org.in

REGISTRATION FORM

Industrial Automation

<i>Name</i>	
<i>Educational Qualification</i>	
<i>Company Name</i>	
<i>Company Experience</i>	
<i>Phone No</i>	
<i>E-Mail</i>	
<i>Address</i>	
<i>Date</i>	

**Signature of the Applicant
Place**

