

## Industrial Automation Training with Guaranteed Placement or Money Back

**Eligibility:** B.E/B.Tech/Diploma in EE, EC, EI.

**Course Contents:**

- PLC - Programmable Logic Controller
- SCADA - Supervisory Control and Data Acquisition
- HMI - Human Machine Interface
- DCS - Distributed Control System

**PLC Course Content**

- Digital Electronics Basics
- PLC Fundamentals
- PLC Hardware & Architecture
- Source & sink Concepts
- Wiring Different field Devices to PLC
- Introduction to PLC Programming software
- Creating new application, addressing
- Programming Languages
- Basic Programming Instructions
- Advance Instructions
- Upload / Download / Monitoring
- Forcing of I/Os
- Fault finding / troubleshooting & documentation
- Communication with SCADA software

**HMI (Human Machine Interface)**

- Getting started with HMI
- Creating applications, creating tags
- Downloading / uploading programs
- Communication with PLC
- Fault diagnostics / troubleshooting

**SCADA Course Content**

- Introduction to SCADA Software
- Creating new SCADA project
- Creating & editing elementary graphic display
- Attaching controls to graphic objects
- Real time & historical trends
- Using alarms & events
- Application of scripts
- Communication with PLC
- Communication with excel
- Fault finding / troubleshooting

### Motion Control (Drives & Motors)

- AC motors, operations & Limitations
- Motor Starters : DOL, Star-Delta, Auto Transformer
- Motor control circuits, interlocking circuits
- Introduction to AC drives & applications
- Criteria for drives selection
- Designing of drive control panel
- Communication with PLC, SCADA Software
- Fault finding / troubleshooting

Module	Duration	Placement	Features
Automation Training with Guaranteed Placement (Complete Course)	2-6 Month	Guaranteed	<ul style="list-style-type: none"><li>• Guaranteed Placement after completion of your B.Tech</li><li>• Certificate for industrial training</li><li>• Project report</li><li>• Live project is optional</li></ul>
Project/Summer/ Winter/Industrial Training	As per Requirement  (4-6 week)	Optional	<ul style="list-style-type: none"><li>• For 2nd,3rd &amp; 4th year B.Tech students</li><li>• Project report and certificate</li></ul> Live project is optional