



CONSULTA Training Center

The Industrial Automation field is a high growth sector globally. In this globally competitive market, as all the industries embrace more and more industrial automation, there is a higher demand for trained engineers in the field of Industrial Automation.

At **C.Train**, we have designed training courses specifically keeping in view the industrial requirements and expectations. These training courses include theory and practical knowledge so that the participants are prepared to take up tasks right from day one.

Corporate Training

As a result of the training, your employees will be able to perform more efficiently, effectively and with a higher degree of confidence in:

- Plant Operations
- System Administration and Installation
- System Implementation and Engineering
- System Maintenance and Troubleshooting
- System Networking and Simple Modifications

We have the senior-most trainers who bring along their rich knowledge and industry experience that is garnered by working on various turnkey automation projects. Our trainers are abreast with the latest trends and developments and constantly keep working on more and more challenging projects. We also provide with Live Training Kits and Simulators for the purpose of hands-on training.

Eligibility: Any person working in the plant electrical / instrumentation departments.

Student Training

Industrial training is one of the most essential components for an engineering student for their career prospective. At **C.Train** we help young engineers and Professionals to build cutting edge competence by exploring the real strength and potential of the system. We conduct trainings on various industrial automation platforms such as PLC, SCADA, HMI, etc.

We believe in basics and hence all our courses start with basics. Though for some students it may be a known subject however most students are either unaware of PLCs or may have ambiguous concepts in mind. This course ensures that by the end of the training, the participant would be able to handle the PLC and related equipments with confidence.

Specifically for students, we have started part time course in the form of evening batch so that they can attend the PLC Training Course along apart from their regular college.

Eligibility:

- Degree / Diploma Engineers in Electronics & Communication, Electrical /Instrumentation
- Final Year students for Summer/Winter Training/Project

Trainings at Site

This is a special facility that **C. Train** would provide to our esteem customers. We understand the problems in deputing more participants out of site for training and hence we can conduct specially customized training at your site. Naturally the course would be in line with your application and hardware. We will need the training room with projection facility and sufficient number of deserving participants. Just call on us to finalize the details.

PLC Hardware Fundamentals and block diagram

- Central Processing Unit (CPU)
- Memory
- I/O Modules
- Communication Modules
- Special Modules

PLC Ladder Logic

- NO /NC contacts
- A basic rung of logic
- Basic structure of a PLC program
- Timers and Counters
- What is an integer, binary, floating point
- Symbolic

Basic use of PLC Programming Software

- PC to PLC Communications
- On Line and Off Line Operation
- Analog functions
- Communicating with the PLC
- Force functions
- Data Blocks and Function Blocks

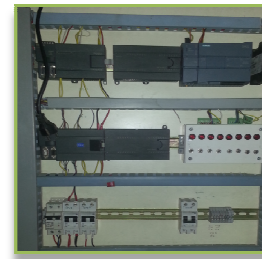
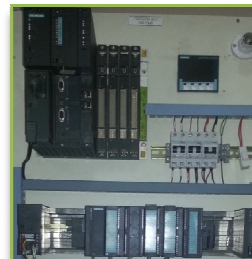
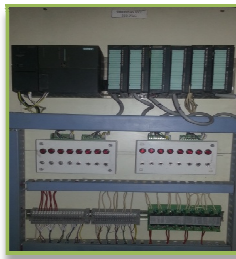
Troubleshoot Actual Problems

- Basic troubleshooting theory
- The most common problems
- Tracing and monitoring input and outputs
- Actual troubleshooting exercise

SCADA / HMI

- 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
- Communication with PLC
- Fault finding / troubleshooting

Facilities: Variety of Test & Simulation Kits



Why **CONSULTA** ?

- ✓ CONSULTA has been active in the field of training for past 7 years
- ✓ Conducting Training program all over India and overseas
- ✓ Courses are conducted by expert and experienced faculties
- ✓ Participants will be involved in Live Projects
- ✓ Located at very convenient location - CBD Belapur Railway Station Building
- ✓ Suitable timings for batches as per student's requirement - Evening batches
- ✓ Placement Assistance

CONSULTA

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