



Centre for Industrial Solutions and Advanced Training

TRAINING PROGRAM ON PLC ENGINEERING & SCADA

18-21 Sept at Nagpur.





(Technical- Electrical/Mechanical/Automation/Chemical, Behavioral & Soft Skill, Safety, Business Excellence, Safety & Energy Audit)

Centre For Industrial Solutions and Advanced Training

AN ISO 9001:2015 CERTIFIED

“A complete Training Solution Under One roof”

4 Days Training program on

PLC Engineering and SCADA

Basics, Operation and Maintenance & Troubleshooting

(18-21 Sept 2019 at Nagpur)

Objectives of the Program

- To provide understanding of PLC & SCADA hardware components and their working principle
- To train the participants on Selection, Installation and Commissioning of PLC, SCADA and associated hardware and software.
- Explain execution of Logical, Arithmetic and Analog Functions through PLC.
- Develop participant for carrying out modification in existing program of their Plant / Machine as per requirement
- Enable participants to develop new PLC Program for typical plant applications
- To enhance troubleshooting and faultfinding skills in PLC based automation systems.

Who Should Attend

Instrumentation, Electrical, Mechanical and Process Engineers, Project Engineers, Maintenance Engineers and Supervisors interested to work in the field of SCADA, DCS/ Automation and Process Control. The course will also definitely be beneficial for the all the other department people concerned with the plant operations, production, maintenance and safety. It could be also useful for the procurement and quality personnel.

Course Contents:

Module 1

- PLC Block Diagram, Hardware Components, Architectures and Wiring
- Introduction to PLC programming (General/product Specific/AB/Siemens/GE)
- PLC Programming Languages overview
- PLC hardware configuration and addressing
- PLC Application Development
- PLC instructions – Basic and Advanced
- PLC Engineering & Troubleshooting

Module 2 (GE/AB/ Siemens will be covered as per participants requirement)

- Introduction to SCADA & HMI
- SCADA Features
- SCADA Configuration & Development of front end graphics
- PLC and SCADA interface

Web: www.cisat.co.in; Email: vikas@cisat.co.in; Contact: +91- 7709012815 (Branches: Thane/Pune/Nagpur/Bhilai/Wardha)

(Your partner for Industrial solution & Empowerment of Human Capital)



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- Alarms & Trends (Real-time & Historical)
- Security & Access Control
- Data logging & Report Generation
- Introduction to HMI- basics

Prerequisite: Basic knowledge of Electrical Engineering and experience in Maintenance will be helpful.

Maintenance Practices & Exercise (Hands ON):

Programming, Upload, Download, Restore, Backup, Data Watch, Data monitor, Fault tables, temporary IP address setting, Module insertion and removal, debugging communication, fault indicators, battery replacement, cable testing, forcing of inputs and outputs, I/O Wiring, I/O Testing and troubleshooting, Documentation (I/O list, Loop wiring diagram, panel wiring diagrams, architecture, test procedures, reports writing), Alarms & Trends.

Certification:

Every successful participant will be awarded a course completion certificate.

Delivery Methodology:

- Introduction and Objective Setting
- Pre and Post Test,
- Knowledge Presentations: 100% PRACTICAL AND HANDS ON,
- Assignments & Exercise,
- Model display,
- Hands on Practical
- Feedback and Assessment
- Discussion and Interaction
- Delivery 10:00 AM to 17:30 PM

Organisers

This specialised course is launched by CISAT in collaboration with SAN Techno Mentors Pvt. Ltd. Pune.

CISAT (Centre for Industrial Solution & Advanced Training), Nagpur

CISAT is a group of Industrial Experts with experience from diversified fields and passion of teaching from various fields such as Electrical, Mechanical, Instrumentation & Process Control and Computer/IT from Power, Aluminium, Steel, Oil and Cement Industries.

CISAT delivers various services, consultancy & customized trainings to employees of many esteemed corporates.

CISAT impart quality in knowledge sharing to the Employees of Corporate at all levels on various topics

SAN Techno Mentors Pvt. Ltd. is managed by a group of technocrats (COEP and IIT Bombay alumni) with long years of professional experience in diverse industry verticals. It is focused on providing Value

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Engineering Services by “Training”, “Mentoring” and “Consultancy” for “Building KASH (Knowledge, Attitude, Skills, Habits)” / “Performance Excellence”.

The Executive team set up SAN Techno Mentors to impart technical education to satisfy not only the demands of the industry but also bridge an ongoing gap between academia and industry on the foundation of the knowledge base, international projects experience, industrial contacts and the SAN Group’s brand image of manufacturing of premium products.

SAN Techno Mentors is an outsourced "Training Partner" for premium MNC (USA HQ) in India. It is also a "Training Service Provider" to the same company for EMEA (Europe, Middle East & Africa). **It has also conducted training programmes for Japanese, European, Asian and Arabian professionals in Pune.**

Having a pool of more than 50 eminent Subject Matter Experts (SMEs) with brilliant academic background (from IITs and premium engineering colleges) long industrial experience, and teaching passion, SAN Techno Mentors is in a unique position to provide above services for corporate companies.

Registration Details:

Dates of the programme: 18-21 Sept 2019 at Nagpur (4 Days).

Participation Fee: Rs. 30000/- Per participant plus all taxes (GST@18%); (The fee includes Course material, Tea, Snacks, and Lunch only)

Payment: ECS/NEFT/DD in favor of “Centre for Industrial Solution and Advanced Training” Payable at Nagpur, Maharashtra, India. Account No: 0509102000003353 Bank: IDBI, Wardha- 442001, MS, India; IFSC Code: IBKL0000509; Swift Code IBKLINBB007; MICR Code 442259001

Venue: Hotel The Lindsay@Kolkata

For Registration, please contact:

1. [Vikas- 00-91-8669546332](tel:00-91-8669546332); [7709012815](tel:7709012815); cisat.nagpur@gmail.com; vikas@cisat.co.in.

Alternatively you can do ‘on line Registration’ through our web www.cisat.co.in or confirm through email.

Contact for any In-house Training at your plant. We do undertake all types of Training activities at all levels
