Centre for Industrial Solutions and Advanced Training

Training program on PLC Engineering & scada

12-15 Feb 2019 at Nagpur

CISAT
10/27/2019

Centre For Industrial Solutions and Advanced Training

An ISO 9001:2015 Certified

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

"A complete Training Solution Under One roof"

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4 Days Training program on

PLC Engineering and SCADA

Basics, Operation and Maintenance & Troubleshooting

(12-15 Feb 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.

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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)
- PLC Programming Languages overview
- PLC hardware configuration and addressing
- PLC Application Development
- PLC instructions – Basic and Advanced
- PLC Engineering & Troubleshooting

Module 2 **(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 particiapant 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

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Registration Details:

Dates of the programme: **12-15 Feb 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 Solutions 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: *@Nagpur.*

For Registration,

1. *We prefer on line Registration through our web* **www.cisat.co.in.**

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

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2. **In other case do send confirmation via email to Vikas** 00-91-7709012815; vikas@cisat.co.in; cisat.nagpur@gmail.com; or you can do call Vikas +91-7709012815 or 8669546332

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TERMS & CONDITIONS FOR Workshop:

1. All training courses will require a minimum of 6 participants.
2. In the event of cancellation of a course, we will endeavor to inform all candidates a week before the course is due to take place. In such case all course fees paid will be reimbursed in full or the payment will be transferred in full to another course.
3. CISAT shall not accept liability for any consequential loss and shall have no liability to reimburse any other costs that may have been incurred, including transport costs, accommodation etc.
4. Special arrangements can be made for group bookings.
5. Certificate of participation will be issued when payment has been received in full.

Contact for any In-house Training Program at your plant or location.

- HR Solutions and complete professional Training (HR/Soft Skill/Technical- Electrical/Mechanical/Automation /Process/Certification/Out Bound/Safety/Manufacturing excellence- TPM, TQM, 5S, Six Sigma etc)
- Course Content and presentations development – Customized to your company requirement.
- E-learning Development, Virtual Learning
- Online LMS or HR Automation system- Automated
- Employee Certification, skill or competency mapping and testing, Mentoring etc. From workers to Management level employees