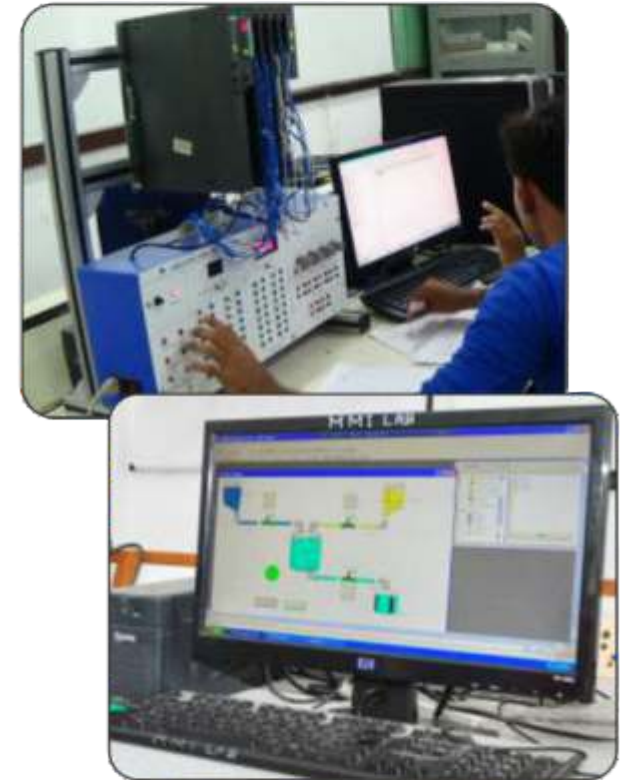


PLC & SCADA



Patron Clients of CRISP



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About CRISP

CRISP is established under Indo-German Cooperation agreement as an autonomous organisation of the Dept. of Technical Education and Skill Development, Govt. of M.P.

CRISP provides technical training and consultancy services for Industry Personnel, Government Officers, Faculties of academic and teaching institutions, Students and Jobseekers. CRISP is equipped with the state-of-the-art equipment and technology, latest software, qualified, trained and experienced trainers in the relevant fields.

CRISP has its head office in Bhopal and training centres at several national and international locations.

Other training programmes in Electrical and Electronics offered at CRISP are :

- Embedded System Design
- Electronics Maintenance
- WinCC SCADA
- Industrial Automation
- Field Instrumentation & Control
- VLSI Design
- PLC Networking
- Advance Training in PLC
- Electrical Control & Relay Logic Application
- AC/DC Drive
- MMI
- MATLAB
- Fiber Optic Networking



...unleashing the full potential of men & machines

PLC & SCADA



Introduction of Course

Sophistication & Complexity in the manufacturing industries as well as process plants have necessitated new technology for automation. To day microprocessor based Programmable Logic Controller (PLC) and Supervisory Control Data Acquisition (SCADA) has virtually replaced the conventional hard-wired relay logic control systems. New generation PLC & SCADA are capable of handling analog and Digital signals and their processing, which includes PID and other complex applications.

Realising the increasing use and dependence of practically every type of industry on PLC & SCADA, it is felt that the shop floor engineers and technician should be adequately knowledgeable and trained in handling PLC & SCADA based systems.

Keeping this in view CRISP has developed facilities to impart practical training on PLC & SCADA.

Course Contents

- Introduction to PLC & SCADA for Automation and control
- Need & advantage of using PLC & SCADA
- PLC Hardware Structure
- Parameters for PLC Selection
- PLC Installation and I/O Wiring
- Memory Organisation and I/O Addressing
- PLC Operating Principles and Programming Methods
- Basic Logic Operations
- Comparison and Arithmetic Operations
- Flags, Timers and counters

- Tag Database creation
- Tag Monitor configuration
- Graphic displays creation and editing
- Animation of Graphic displays
- Communication network configuration
- Trends and Alarms configuration

Methodology

The programme consists of a mix of :

- Lectures and presentations
- Demonstrations
- Interactive discussions
- Hands-on practice

Pre-requisite

- Industry personnel with relevant experience.
- Passouts or students pursuing Degree/ Diploma in Electronics/ Electrical/ Instrumentation Engineering or equivalent.

Duration

Full time: 5 working days (7 hours/day)

Part time: Four weeks (20 working days, 2 hours/day)

Course Fee

Kindly refer to our training calendar at www.crispindia.com or can be obtained from CRISP counselling desk

Mode of Payment

Cash / Online/ Debit/ Credit Card