

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



Patron Clients of CRISP



Contact :

Course Co-ordinator
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Centre for Research and Industrial Staff Performance

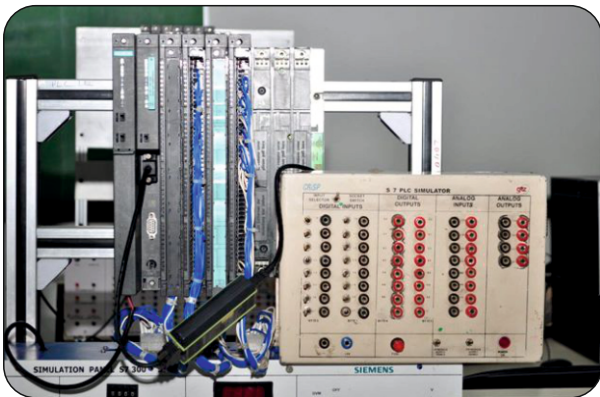
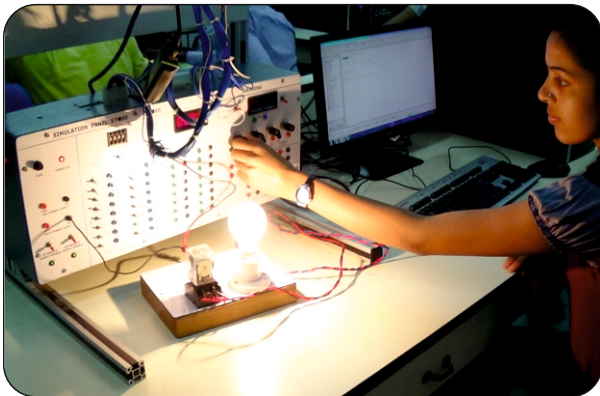
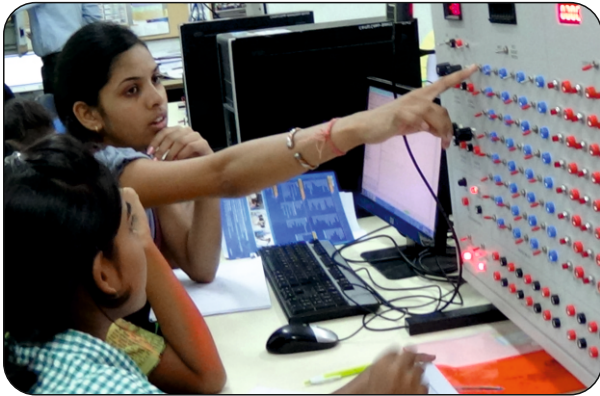
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PLC PROGRAMMING & APPLICATION



...unleashing the full potential of men & machines

PLC PROGRAMMING & APPLICATION



Introduction of Course

Sophistication & complexity in manufacturing industries and process plants, have necessitated new technologies for automation. Today, microprocessor based Programmable Logic Controller (PLC) has virtually replaced the conventional hard-wired relay logic control systems. The new generation PLCs are capable of handling analog signals and their processing, which includes PID and other complex applications.

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

Keeping this in view CRISP, has developed facilities to impart basic and advance training on PLCs.

Our PLC lab is equipped with ::

- Siemens S5 100U System
- Siemens S5 135U System
- Siemens S7 200 System
- Siemens S7 300 System
- Siemens S7 400 System
- Allen Bradley SLC 500 PLC.
- Versamax GE Fanuc PLC

CRISP also undertakes tailor made program on PLC for industrial clients.

Course Contents

- Introduction to PLC
- Need and advantages of using PLC
- PLC Hardware Structure

- Parameters for PLC Selection
- PLC Installation and I/O Wiring
- Memory Organisation and I/O Addressing
- PLC Operating Principle and Programming Methods
- Basic Logic Operations
- Comparison and Arithmetic Operations
- Flags, Timers and counters
- Linear Programming
- Data Handling and Word Logic Operations

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: Three weeks (15 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