

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 :

- MATLAB
- VLSI Design
- WinCC SCADA
- RS View32 SCADA
- PLC Networking
- Industrial Automation
- Fiber Optic Networking
- Electronics Maintenance
- Embedded System Design
- Field Instrumentation and Control
- Power Electronics and Industrial Drives
- PLC Programming and Application



Patron Clients of CRISP



Contact :

Course Co-ordinator

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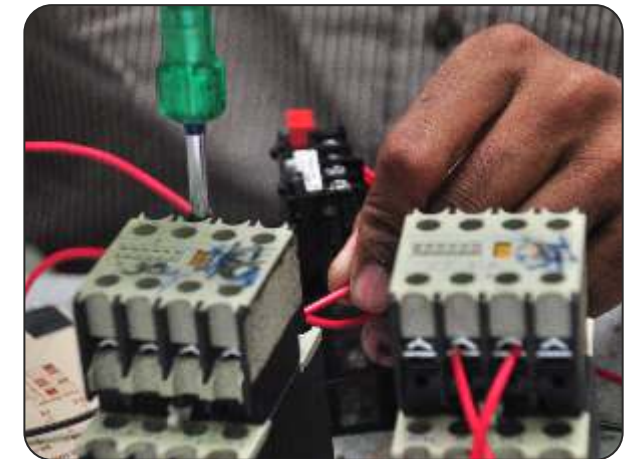
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Centre for Research and Industrial Staff Performance

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ELECTRICAL CONTROL & RELAY LOGIC APPLICATION



...unleashing the full potential of men & machines

ELECTRICAL CONTROL & RELAY LOGIC APPLICATION



Introduction of Course

The new era of Industrial Automation has led to the acquisition of sophisticated electrical controls. To derive maximum potential from these electrical controls, it is necessary to keep them fully operational. The Industrial Personnel are expected to be proficient not only in the use of these controls but should also be able to maintain them properly and attend to minor faults. Keeping these aspects under consideration, CRISP has set up state of the art facilities to impart training in this area.

Course Contents

- Correct use of test and measuring instruments
- Drawing, Reading and Interpretation of electrical drawings
- Symbolic representation of industrial electrical devices
- Application of switches and development and testing of logic circuits
- Meggar and its applications, testing of motor and cables
- Protection circuits - Fuses, MCB, MCCB, MPCB, ELCB, Overload relay and its testing
- Electromagnetic contactor and relay, its testing, development and testing of simple start/stop control circuit and latched circuit
- DOL starters for three phase induction Motor
- Timer - ON delay, OFF delay and cyclic testing of its working, Star-Delta starter for induction Motor
- Development of Different types of logical circuits used in industrial application

- Pressure switch and its application in Automatic pressure control Circuit in air compressor
- Simulation of Elevator control circuit
- Explanation of electrical drawing of machineries

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: 3 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