



An ISO 9001 - 2008
Organization



TWG GROUP

THE WORD OF GOD

INTERNATIONAL STANDARD

ISO/IEC-17025:2005 NABL ACCREDITED FOR NDT

(Dept. of Science and Technology, Government of India)



Accreditation Certificate No: T - 2387
Metal Lab



सत्यमेव जयते
Government of India

PLC (PROGRAMMABLE LOGIC CONTROLLER)

1. Introduction to PLC
 - Role of Industrial Automation
 - Industrial Application
2. Automation Components
 - Relays
 - Switches and its types
 - Sensors
 - Control actuators
3. Architecture of PLC
4. Working principle of PLC
5. Memory types
6. Different types of input/output circuits
7. Concepts of PLC scan cycle
8. Concepts of sink and source input/output cards
9. Allen Bradley PLC, KEYENCE, SIEMENS
 - Introduction to processor modules
 - Program Reload
 - Input/output fault identification
 - Implement changes to the program
 - Program monitoring
 - Logic gates
 - Power ladder diagram
 - ON/OFF Delay timer
 - UP/DOWN counter
10. Drives

SCADA (SUPERVISORY CONTROL & DATA ACQUISITION)

1. Introduction of SCADA
2. Role of SCADA in industrial automation
3. Need of PLC in designing
4. SCADA system configuration
5. RTU
6. Communication protocol
7. Script programming
8. On figuring alarm
9. Standard graphics objects
10. Display and application windows
11. Communication with other software

CHENNAI

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KOCHI

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TRIVANDRUM | CALICUT | HYDERABAD | PONDICHERY | MADURAI | NAGARCOIL | AMARAVATI

