

COURSE BROCHURE

CERTIFIED
AUTOMATION ENGINEER -
PLC & SCADA



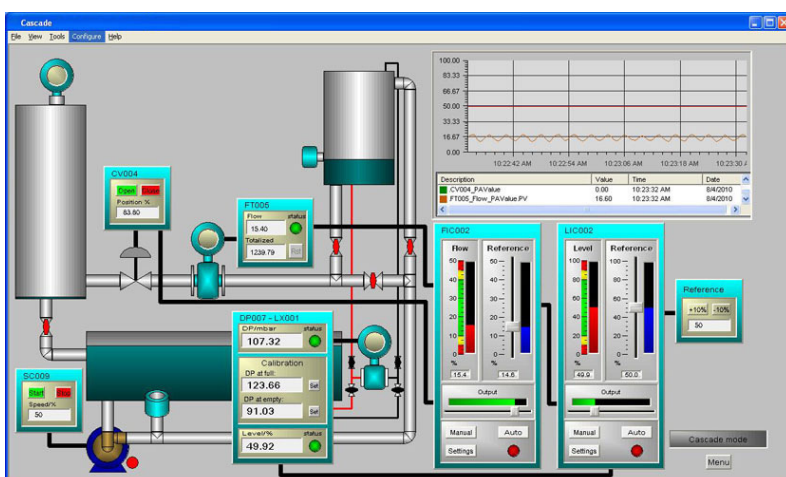
PERTECNICA ENGINEERING



ABOUT THE COURSE

THIS IS A CERTIFIED AUTOMATION ENGINEER PLC & SCADA TRAINING PROGRAM WITH 2 MONTHS TRAINING PROGRAM FOR ELECTRONICS & COMMUNICATION & INSTRUMENTATION ENGINEERS, MECHANICAL AND CHEMICAL ENGINEERS.

Pertecnica Engineering has launched Asia's best "AUTOMATION - PLC & SCADA" It covers overall project development and operational philosophy, troubleshooting of projects. This is Job oriented course which makes students qualify for most of the jobs in Petroleum, Oil & Gas, Power plants, And any industrial jobs in India, Gulf & Abroad, Our faculty are internationally certified & worked with world-class companies



OUR TRAINING PROGRAM COVERS THE FOLLOWING AREAS

PLC: -

- How PLC works?
- Overview of SIMATIC S7 – PLC
- Signal modules, CPU, Power Supply, mounting rail and MMC
- Hardware details of S7-300 PLC
- Installation guidelines Installation, powering and wiring of modules with information on addressing
- Programming -Hardware Configuration and setting object Properties of Modules in STEP

SCADA: -

- Need of SCADA
- Products in SIMATIC HMI
- SIMATIC Win CC features
- Communication with Hardware requirement
- Creating New Project
- Tag Management
- Designing of Graphic Screens
- Tag Logging
- Alarm Message Archiving and Message Display
- Report Generation
- User Administration
- C Script (Global Script) and Background Processing
- Project Backup, Cross Referencing and Diagnosis

Duration: - This is a Six (2) months' program with case studies and project work.

Course fee: Rs. 24,000/-

DRIVES: -

- Fundamentals & features
- Principle of operations
- Product Hardware & Software description
- Standard Operations & Maintenance

MEASUREMENT PRODUCTS: -

- Infra-Red Analyzers
- Para Magnetic Analyzers
- Thermal Conductivity Analyzer
- Continuous Gas Analyzer (CGA)
- Gas Chromatograph
- Natural Gas Chromatograph (NGC)
- Fourier Transform Infra Red Analyzer (FTIA)
- Liquid Analyzer & SWAS (Steam & Water Analysis System)
- Flow Meters

DISTRIBUTED CONTROL AND MONITORING SYSTEMS: -

- Distributed control systems (DCS) control the entire plant
- Including balance of plant equipment and machine controllers
- Provide added services to operate and maintain the plant.

REVIEW & INTERPRETATION: -

- Process Flow Drawings (PFD)
- Piping & Instrumentation Drawings (P&ID)
- Control & Instrumentation drawings

TOP COMPANIES HIRING



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