Understanding Automation

TE337

Course Overview:

Industrial Automation is rapidly growing especially within the Power sector, Automobile, Oil and gas, Manufacturing, Mining etc. Process Automation provides the technology to control and monitor the process in industrial plants using concepts such as feedback, cascade, feed forward and advanced process control.This Automation course is aimed to empower you with the foundation and intermediate level of knowledge that will help you to understand key modules of Industrial Automation.

Course Objective:

-Understand the concepts of Process Automation, and Control Systems
-Understand the key components of Process Control Systems
-Understand Input/Output Systems, Controller, Supervisory Network, Layers of automation, Field-bus system basics, Trend of Process Parameters basics.
-Understand the concepts of Hardware/Software classification of Automation

Course Outline:

-INTRODUCTION TO INDUSTRIAL AUTOMATION
-INSTRUMENTS AND PROCESS CONTROL
-PROGRAMMABLE LOGIC CONTROLLER (PLC)
-CONTROL SYSTEMS

Who Should Attend:

-Fresh graduates who like to gain skills to become an Automation Engineer
-Electrical and Instrumentation graduates who would like start their career in Industrial Automation field
-Beginners want to learn the in-depth concepts of Automation technology and become a master of Industrial Automation concepts

Training Language:

English

Training Methodology:

-Presentation & Slides
-Audio Visual Aids
-Interactive Discussion
-Participatory Exercise
-Action Learning
-Class Activities
-Case Studies
-Workshops
-Simulation