SIEMENS

DCS: SIMATIC PCS 7 Basic ON OS (AS-PCS7B_OS)

Short Description

TRAINING PROGRAMME ON PCS 7 V 9.0 Basic OS

Objectives

By doing exercises on original SIMATIC PCS 7 training units, you will implement software for the process automation of a plant right up to the HMI level. Features of SIMATIC PCS 7 such as integration of all subsystems, plant-oriented engineering, data management and project management are supplemented by advanced functions that enable efficient and cost-effective engineering with SIMATIC PCS 7.
Utilize the benefits of Totally Integrated Automation (TIA) for yourself and learn how to get an integrated view of your plant. Because of this integration you will be able to diagnose faults quickly and correct them with safely. In addition, projects can be created in advance in such a way that you can work with multiple application. This enables time-optimized and cost-effective engineering.

Target Group

Project manager, Configuring engineers, Programmers, Commissioning engineers, Technologists.

Content

In this course you will learn how to implement the diversity of engineering possibilities with SIMATIC PCS 7 process control system.in a structured and efficient way.
Hardware
• Introduction to standard architecture of PCS 7 like ES, AS, OS-Server & OS-Clients
• Introduction to AS Hardware like PS, CPU & CPs
Working with OS:
• Compiling Operator Station.
• Creating process pictures in Graphics editor.
• User interface in Process Control mode.
• Working with standard faceplates, Messages and Trends.
• Basics Operating and Monitoring.
• Implementation of Automatic and Manual Mode Control
Customizing the OS
• Archiving System
• Introduction to OS Project Editor & Licensing Concept in PCS 7
• Picture tree manager & user administration
Communication:
• Station and network configuration.
• AS-OS Communication
• Introduction to server client architecture
Diagnostics:
• Fault Diagnostics in software / hardware options
• Forcing, Simulation, Readback, Book back
• Project Backup
• Interlocking functions and operating modes
• Hardware Replacement
Settings for AS & OS
• Introduction to Time synchronization, Life beat monitoring
• Final steps of configuration
• SIMATIC PCS 7 Documentation and Support
Hands on:
• Exercises defined based on Topic explained.
• Hands on practice

Prerequisites

• Engineers working in DCS controlled plant having knowledge in process automation
• Basic Know how about STEP 7 & WinCC Explorer software

Type

Face-to-face training

Duration

5 days

Language

en

Fee

57,500 INR
18% GST additional on Course Fee