SIEMENS

DCS: SIMATIC PCS 7 Basic ON AS (AS-PCS7B_AS)

Short Description

TRAINING PROGRAMME ON PCS 7 V 9.0 Basic AS

Objectives

By doing exercises on original SIMATIC PCS 7 training units, you will implement software for the process automation of a plant in AS with Introduction to HMI. 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
Commissioning Project from Scratch:
• Working with SIMATIC Manager in PCS7 fashioned way.
• Creating the Multi project and Configuring Hardware (AS & OS)
• Working with different views like Component View & Plant View
• Working with CFC Charts and develop logic using CFC charts
• Optimization of the charts
• Working with SFC Charts and develop sequences using SFC charts
• Various control modes available with SFC charts
• Configuration of sequential controls with SFC
• Compiling, downloading & testing CFC & SFC charts
• Implementation of Automatic and Manual Mode Control
Working with OS:
• Compiling Operator Station.
• Basics Operating and Monitoring.
Bulk Engineering:
• Mass Data engineering tools like Process Object View, Process Tag Type & Models using Import Export assistant.
Communication:
• Station and network configuration.
• Communication of remote stations with AS
• AS-OS Communication
• AS-AS communication
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

Type

Face-to-face training

Duration

5 days

Language

en

Fee

57,500 INR
18% GST additional on Course Fee