SIEMENS

TIA PORTAL Servicing 2 (AS-TIASERV2)

Short Description

SIMATIC Service 2 in the TIA Portal (TIA-SERV2)

Objectives

After attending the course, you can do the following:
Understand the interaction of TIA components
Understand, adapt, and expand given STEP 7 programs, including with step
sequences and analog value processing
Systematically diagnose and correct hardware and software errors in the
SIMATIC S7 automation system with the diagnostic tools of the TIA Portal
engineering portal
Use the test functions in Structured Control Language (SCL)
Perform specific commissioning of TIA components
Adapt your WinCC configuration to new requirements through small
modifications or extensions
You can deepen your theoretical knowledge with numerous practical exercises
on a TIA system model. This consists of a SIMATIC S7 automation system, ET
200 distributed I/O, Touchpanel, drive,

Target Group

Maintenance personnel, Service personnel, Operators

Content

Hardware diagnostic functions of the TIA Portal in the SIMATIC S7 automation
system
Software diagnostic functions of the TIA Portal in the SIMATIC S7 automation
system
Possible applications of various block types (function (FC), function block (FB),
organization block (OB), data block (DB))
Principles of analog value processing
Sequence control with S7-Graph
Commissioning of distributed I/O on PROFINET IO
Alarm configuration in WinCC
Parameterization of the drive
Test functions in Structured Control Language (SCL)
Deeper understanding of contents through practical exercises on the SIMATIC
S7-1500 system mode

Prerequisites

SIMATIC S7 knowledge corresponding to TIA-SERV1 and practical experience in
using the knowledge
You can use the available online entry test to ensure that the selected course
matches your area of expertise.

Type

Face-to-face training

Duration

5 days

Language

en

Fee

50,600 INR