

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