SIEMENS

Learning Journey on TIA-PROBAS (SIMATIC S7 1500 with TIA Portal) (TIA-PROBAS-LJ)

Short Description

Learning Journey - TIA Portal Programming Basic (TIAPROBAS-LJ)

Objectives

In this learning journey of the SIMATIC TIA Portal programming training, you will learn the handling of the TIA Portal, basic knowledge about the structure of the SIMATIC S7 automation system, the configuration and parameterization of the hardware and the basics of classic.
An optimal mix of guided live modules (online) and self-learning modules will provide you with all the content imperative for your work and sustainable learning success. Various practical tasks in our virtual exercise environment throughout the learning journey help you to prepare for practical application. The learning journey provides curated on-demand content to support you in your own personal practice transfer.

Target Group

1.Programmers
2.Commissioning engineers
3.Engineering personnel

Content

The Learning Journey TIA-PROBAS (Level: Basic) consists of:
7 live modules (3.5 hours each)
17 self-study modules (approx. 15 hours)
On-demand themed content
Individual transfer support in the form of a 1:1 coaching (1 hour)
A learning membership to work through the self-learning modules and access to on-demand content is included for 1 year.
topics:
Overview and essential features of the SIMATIC S7 system family
Configuration interface of the TIA Portal STEP 7 engineering system
Program processing in the automation system, program cycle, process image
Program structuring and its implementation with the STEP 7 block types (OB, FC, FB, DB)
Binary and digital operations in function and contact diagram (FBD/LAD)
Apply standards and work with them using the example of libraries
Implement data management with data blocks
Programming of reusable and parameterizable blocks
Test tools for program testing and commissioning: system information, troubleshooting and diagnostics
Documentation of the created program with the possibilities integrated in TIA Portal
Deepening of the content through practice-oriented exercises in the virtual learning environment

Prerequisites

Basic knowledge of automation technology
With the help of the available online entrance test, you will ensure that the course you choose matches your competences.
Online Assessment Test
Technical Requirements

Note

Participation in the learning journey is personal and non-transferable.
This learning journey roughly corresponds to the content and objectives of the learning events TIA-PRO1 and TIA-PRO1 Online.

Type

Learning Journey

Duration

45 hours

Language

en

Fee

45,000 INR
On Request.