SIEMENS

SIMIT in Discrete Automation Technology for Beginners (DI-SIMITFA)

Short Description

SIMIT enables the comprehensive simulation of machine and plant behavior for virtual commissioning. With the help of the components integrated in SIMIT, you can test your PLC code to thereby produce the highest quality and establish your new products on the market much faster.

Objectives

This course gives you an overview of the functions and libraries of the SIMIT simulation software.
Using practical examples, you will learn step-by-step how to design simulations/models for testing automation software.
The perfect interaction of all components integrated in SIMIT enables you to sustainably produce more with top quality and establish your new products on the market much faster.
After attending the course, you will be able to:

- create your own components and templates
- create a simulation for the PLC Programm
- set up the couplings between the simulation in SIMIT and PLCSIM Advanced

Target Group

Project managers
Project workers
Programmers
Configuration engineers

Content

Introduction to SIMIT
Introduction to Digital Twin
General information about SIMIT
Representation of the three simulation levels and how they work
Simulating signal, device and process levels
Connection to PLCSIM Advanced
Connection to NX MCD
Creating your own components with the Component Type Editor
Creating templates and effective engineering through import functions
Working with the CONTEC library provided by SIMIT

Prerequisites

- Basic knowledge of automation technology
- Practical experience in SIMATIC TIA Portal configuration, vergleichbar mit TIA-PRO2 oder TIA-SYSUP

Type

Face-to-face training

Duration

3 days

Language

en