

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

Type

Instructor-led Learning

Duration and Continuing Education Units (CEU)

3 Days
2 CEUs

Target Group

- Programmer

Short Description

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. 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

- Create and test a simple simulation model
- Perform the connection of a TIA Portal project to SIMIT
- Simulate digital, analog signals and individual devices
- Use a sensor or actuator Simulation Structure
- Create/use Template models in SIMIT
- Use automatic model creation in SIMIT
- Create/use a simulation model for a binary drive with monitoring of feedback
- Create and adapt custom templates
- Use "Automatic model generation"
- Create and utilize Macros
- Create and execute various functions using scripts

Content

- Virtual Commissioning – Introduction
- General Information on SIMIT
- The First SIMIT Project
- Simulation of the Signal Level
- Simulation of the Device Level
- Simulation of the Process Level
- Writing Custom Blocks with Macros and the CTE
- Introduction to Scripts

Language

English

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