SIEMENS

SIMIT in Factory Automation for Beginners

General Information

Course Code:　SCT-PTSMIT1A
Length:　3 Days

Audience

Project managers, project workers, programmers, configuration engineers.

Prerequisites

- Basic knowledge of automation technology
- Practical experience in SIMATIC TIA Portal configuration

Profile

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

Upon completion of this course, the student shall be able to:

- Create your own components and templates.
- Create a simulation for the PLC program
- Set up the couplings between the simulation in SIMIT and PLCSIM Advanced

Topics

2.0 CEUs (Continuing Education Credits)

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