

Introduction to Industry 4.0 (DIGI-IN4.0)

Content

General introduction to Industry 4.0

- a. Introduction to Industrial revolutions – 1.0, 2.0, 3.0 & 4.0
 - b. Introduction to general concepts of Cloud and IOT Gateways
 - c. Various Siemens solutions to cloud connectivity
 - d. Siemens PLC's and SCADA Portfolio with Information Regarding Licensing of Software with TIA
 - e. Brief discussions on communication protocols for connecting devices
 - i. Profinet
 - ii. Demonstration of communication b/w PLC & Connectivity hardware
- Identification of Data points and configuring Data availability on PLC and SIMATIC IoT2040
- a. TIA portal programming interface and hands-on
 - i. Configuring PLCs, ii. FC, FB, DB concepts
 - iii. Implementing basic programming via tasks / mechatronic system
 - iv. Setting up Data points
 - b. Setting up the SIMATIC / MindConnect IOT 2040
 - c. Establish internet connection on device – wireless / LAN
- Connection with Automation system and Data visualization
- a. Connectivity with Automation System
 - b. Setting up MindSphere account and aspects
 - c. Data Visualization on MindSphere

Prerequisites

Participants should have the knowledge

- of programming a PLC with the use of basic instructions
- of various communication protocols

Type

Face-to-face training

Duration

3 days

Language

en

Fee

18,000 INR