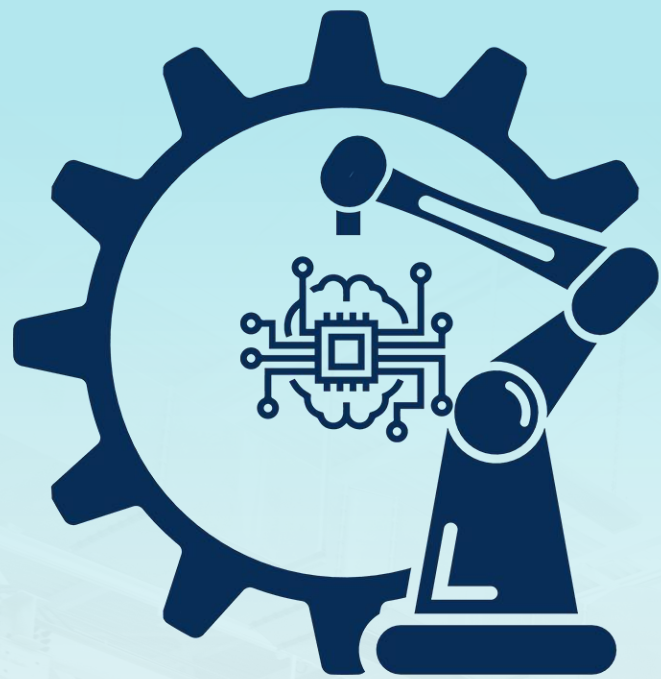


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Training module program



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SIMATIC STEP 7 SOFTWARE (PLC)

Module I: SIMATIC S7 Programming 1

CHAP 1. The SIMATIC S7 System Family

CHAP 2. Training Units

CHAP 3. The SIMATIC Manager

CHAP 4. Hardware Configuration

CHAP 5. Block Architecture and Block Editor

CHAP 6. Symbols

CHAP 7. Binary Operations

CHAP 8. Digital Operations

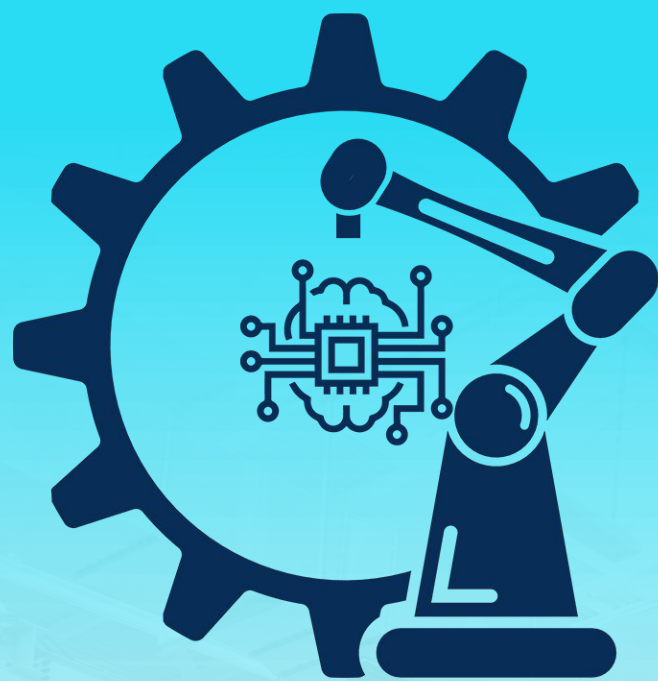


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	Normal program module	Short program module
Duration	5 Days	
Price	Contact for price	



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SIMATIC STEP 7 SOFTWARE (PLC)

Module II: SIMATIC S7 Programming 2

CHAP 1. Data Storage in Data Blocks

CHAP 2. Functions and Function Blocks

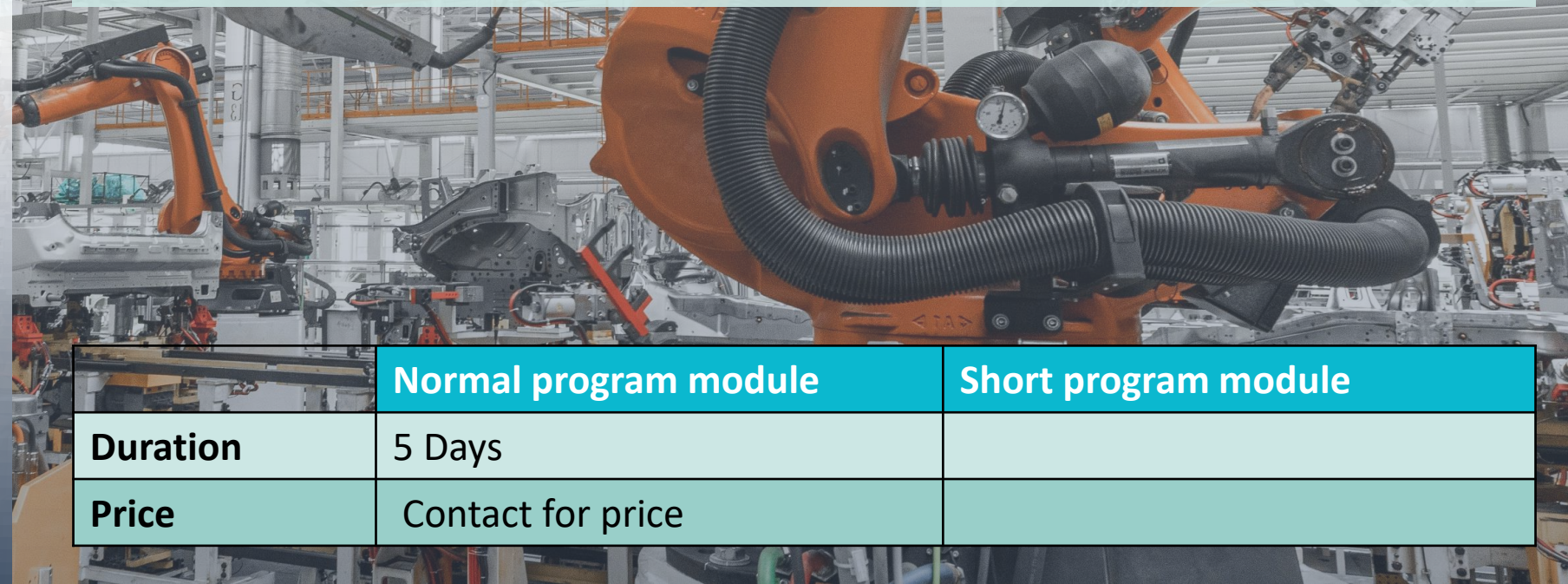
CHAP 3. Troubleshooting

CHAP 4. Organization Blocks

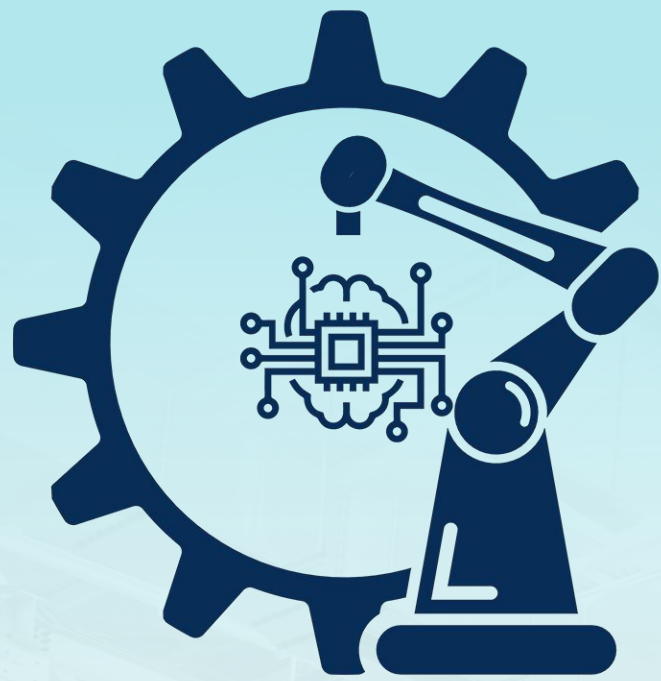
CHAP 5. Analog Value Processing

CHAP 6. Documenting, Saving, Archiving

CHAP 7. Communication with MPI



	Normal program module	Short program module
Duration	5 Days	
Price	Contact for price	



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SIMATIC STEP 7 SOFTWARE (PLC)

Module I: SIMATIC S7 Programming 3

CHAP 1 Status bit dependent instructions

CHAP 2 Accumulator functions

CHAP 3 Instructions with numbers

CHAP 4 Indirect addressing and address register instruction

CHAP 5 Data management in the user program

CHAP 6 Block calls and multiple instance model

CHAP 7 Using libraries

CHAP 8 Handling of synchronous and asynchronous errors.

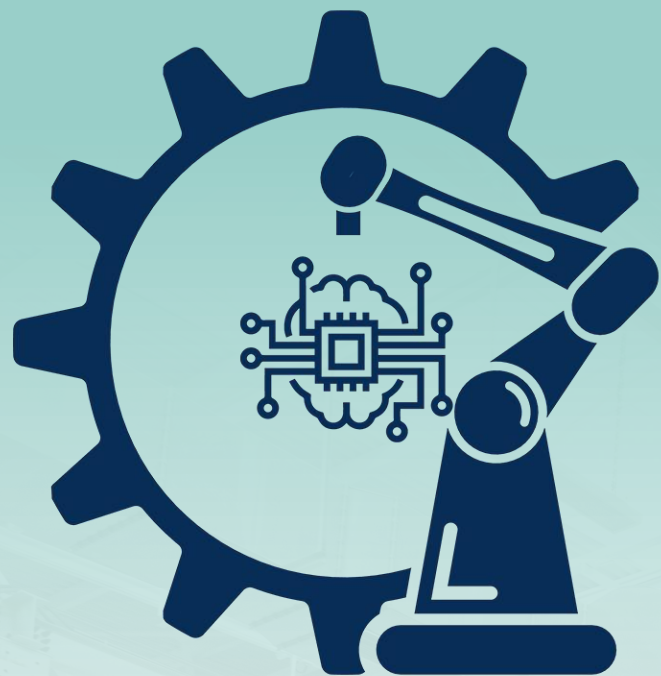
CHAP 9 Basic and expended s7 communication



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	Normal program module	Short program module
Duration	5 Days	
Price	Contact for price	



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TIA PORTAL SOFTWARE (PLC)

Module I: SIMATIC S7 TIA Portal Programming 1 (TIA-PRO1)

CHAP 1 The SIMATIC S7 System Family

CHAP 2 Introduction to TIA Portal

CHAP 3 Training Devices

CHAP 4 Devices and Networks

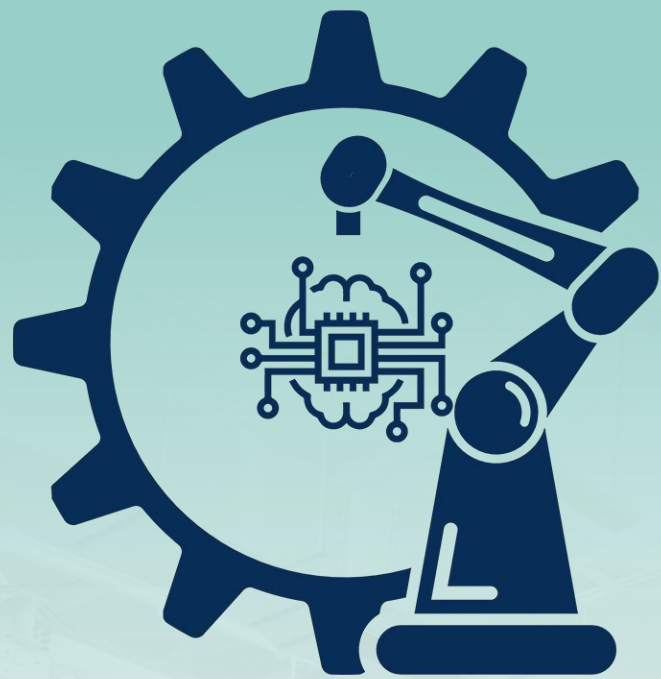
CHAP 5 PLC Tags

CHAP 6 Program Blocks and Program Editor

CHAP 7 Binary Operations

CHAP 8 Digital Operations

	Normal program module	Short program module
Duration	5 Days	
Price	Contact for price	



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TIA PORTAL SOFTWARE (PLC)

Module I I: SIMATIC S7 TIA Portal Programming 1 (TIA-PRO2)

CHAP 1 Data Blocks

CHAP 2 Functions and Function Blocks (1)

CHAP 3 Organization Blocks

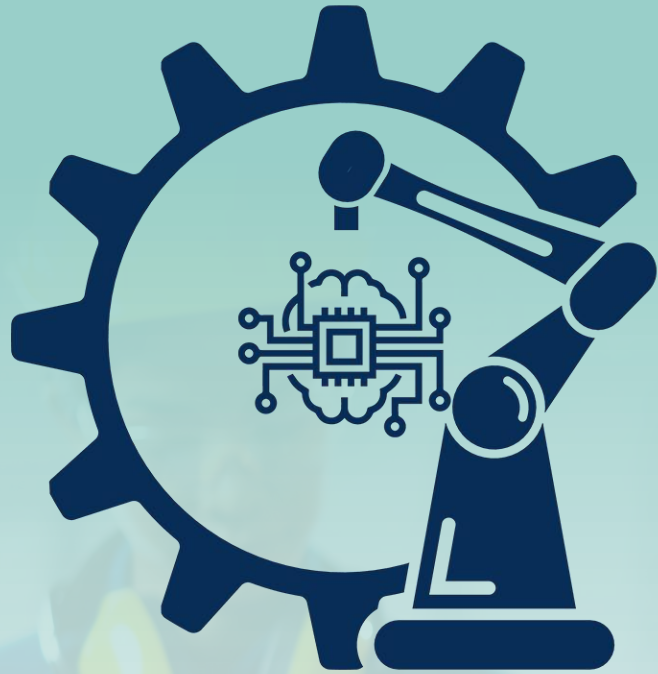
CHAP 4. Connecting an HMI Device

CHAP 5 Troubleshooting

CHAP 7 Integrating and Commissioning a Drive with Startdrive

Introduction

	Normal program module	Short program module
Duration	5 Days	
Price	Contact for price	



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TIA PORTAL SOFTWARE (PLC)

Module III: SIMATIC S7 TIA Portal Programming 3

CHAP 1. Hardware Commissioning

CHAP 2. Program Design Methods

CHAP 3 Jump and Accumulator Functions

CHAP 5 Analog Value Processing and Arithmetic

CHAP 6 FCs, FBs and Multiple Instances

CHAP 7 Complex Data and Addressing

CHAP 8 Optimized Blocks

CHAP 9 HMI Alarm Messages

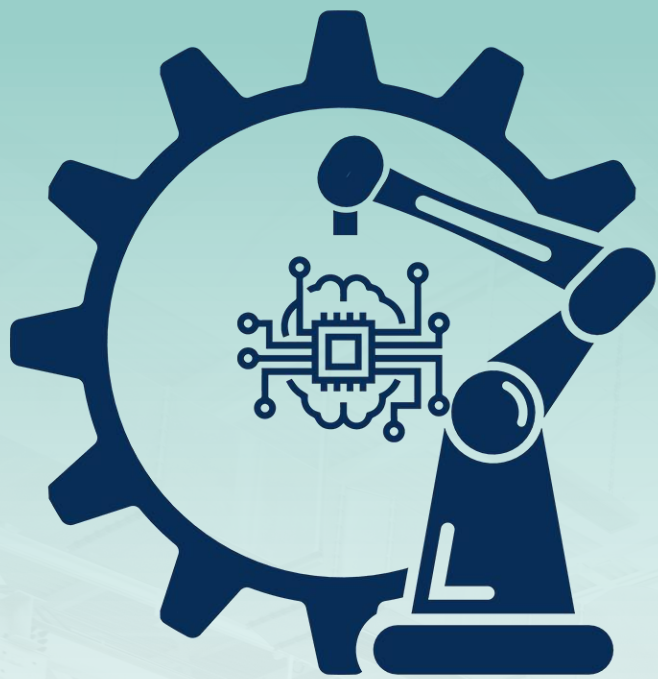
CHAP 10 System Diagnostics and Error OBs

CHAP 11 Introduction to SCL

CHAP 12 Introduction to S7-Graph (1)

	Normal program module	Short program module
Duration	8 to 10 days	
Price	Contact for price	

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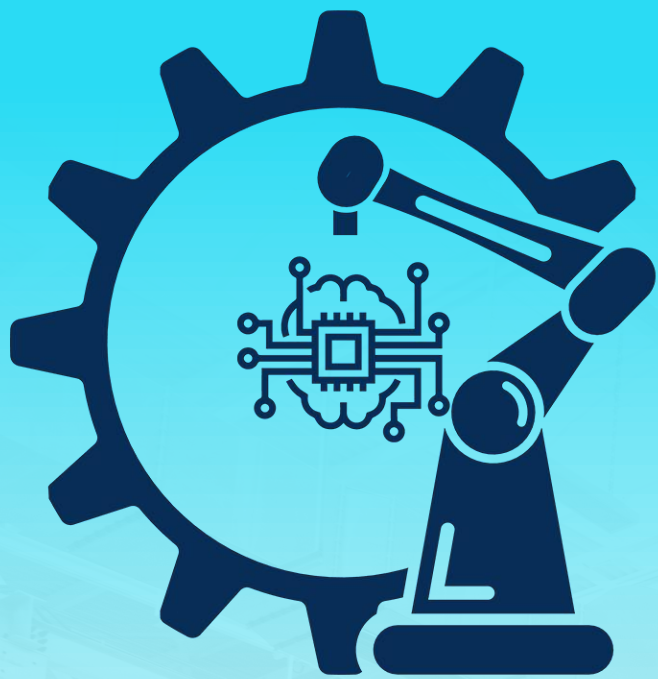
Requirements

- ☞ The payment is made before the class commences
- ☞ An engineering PC is required at least i5 & above with enough driver space)
- ☞ Online class via Microsoft team and Face to face in the Lab
- ☞ The module fee depends with the kind of program you subscribed for.

The learner is required to have Electrical background at least basic Electrical concepts and differentiate different types of signals, basic Digital Systems concepts...

Please note

The duration of PLC modules are from 5 to 8 days long except SCADA training which takes between 20days to 1month



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TOTAL INTEGRATED AUTOMATION

Module : **SCADA**

CHAP 1. Overview system

CHAP 2 project

CHAP 3 basic graphic design

CHAP 4 Extended graphic design

CHAP 5 the message system

CHAP 6 User management

CHAP 7 Process value archiving

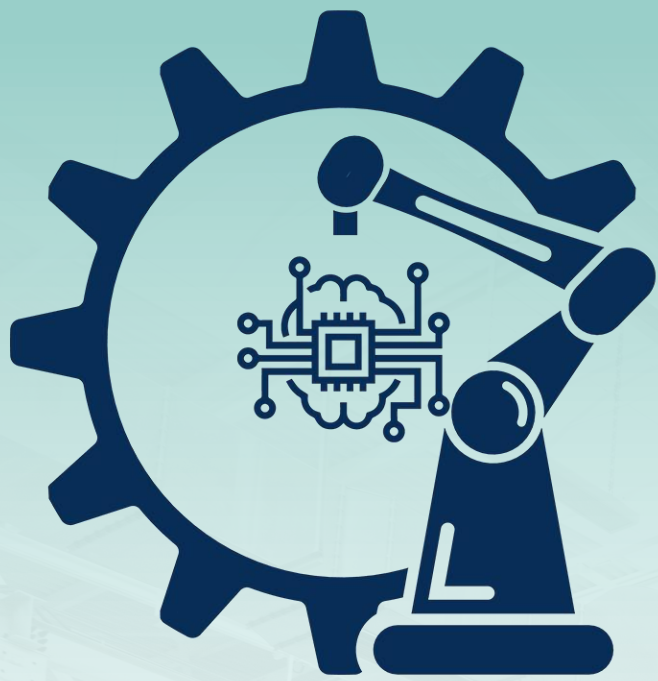
CHAP 8. recipe management

CHAP 9 Runtime scripting

CHAP 10 smart access

CHAP 11 smart service

	Normal program module	Short program module
Duration	20 Days to 1 Month	
Price	Contact for price	



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Requirements

- ☞ The payment is made before the class commences
- ☞ An engineering PC is required at least i5 & above with enough driver space)
- ☞ Online class via Microsoft team and Face to face in the Lab
- ☞ The module fee depends with the kind of program you subscribed for.

The learner is required to have Electrical background at least basic Electrical concepts and differentiate different types of signals, basic Digital Systems concepts...

Please note

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