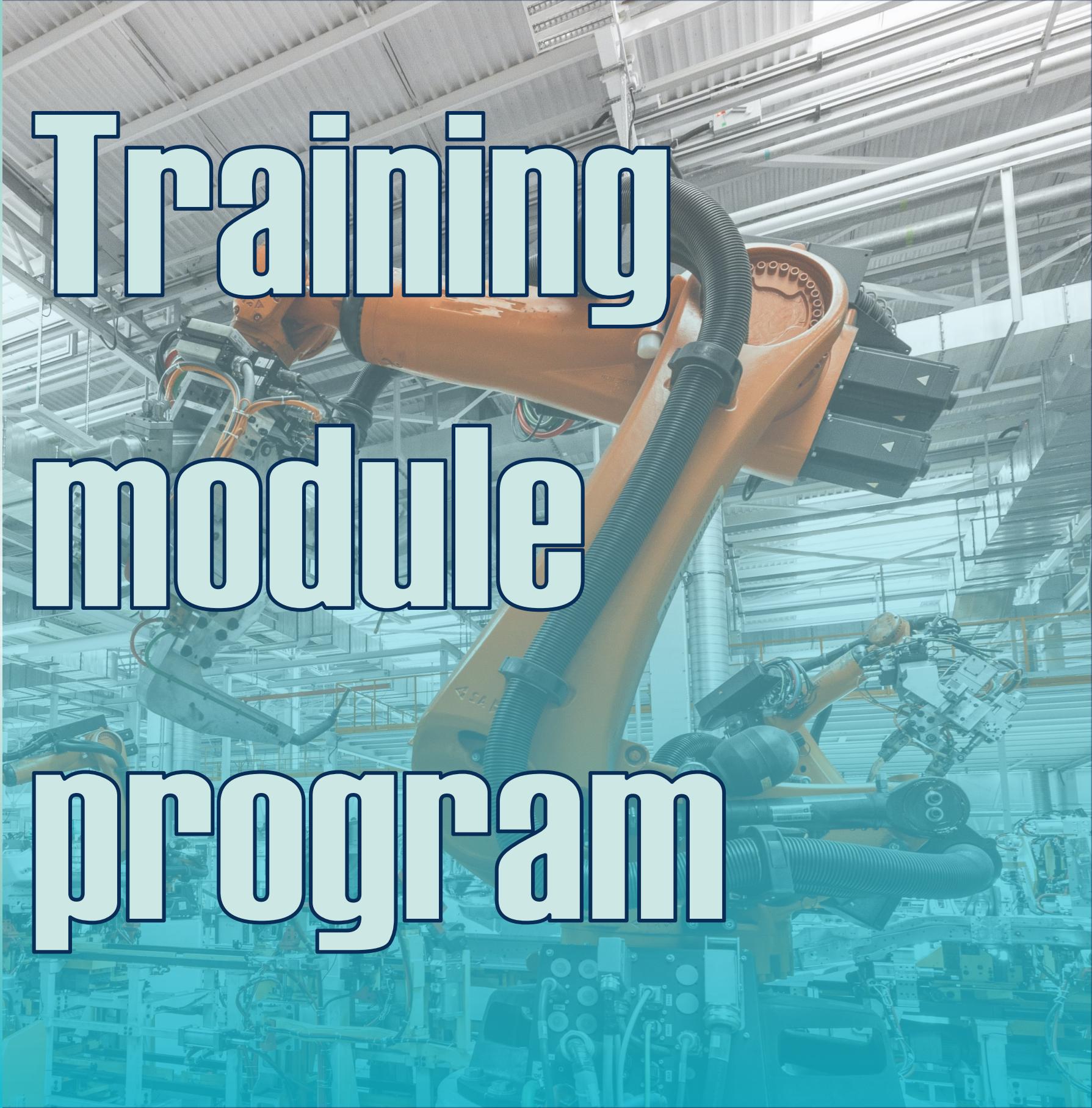


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# Training module program





# 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**

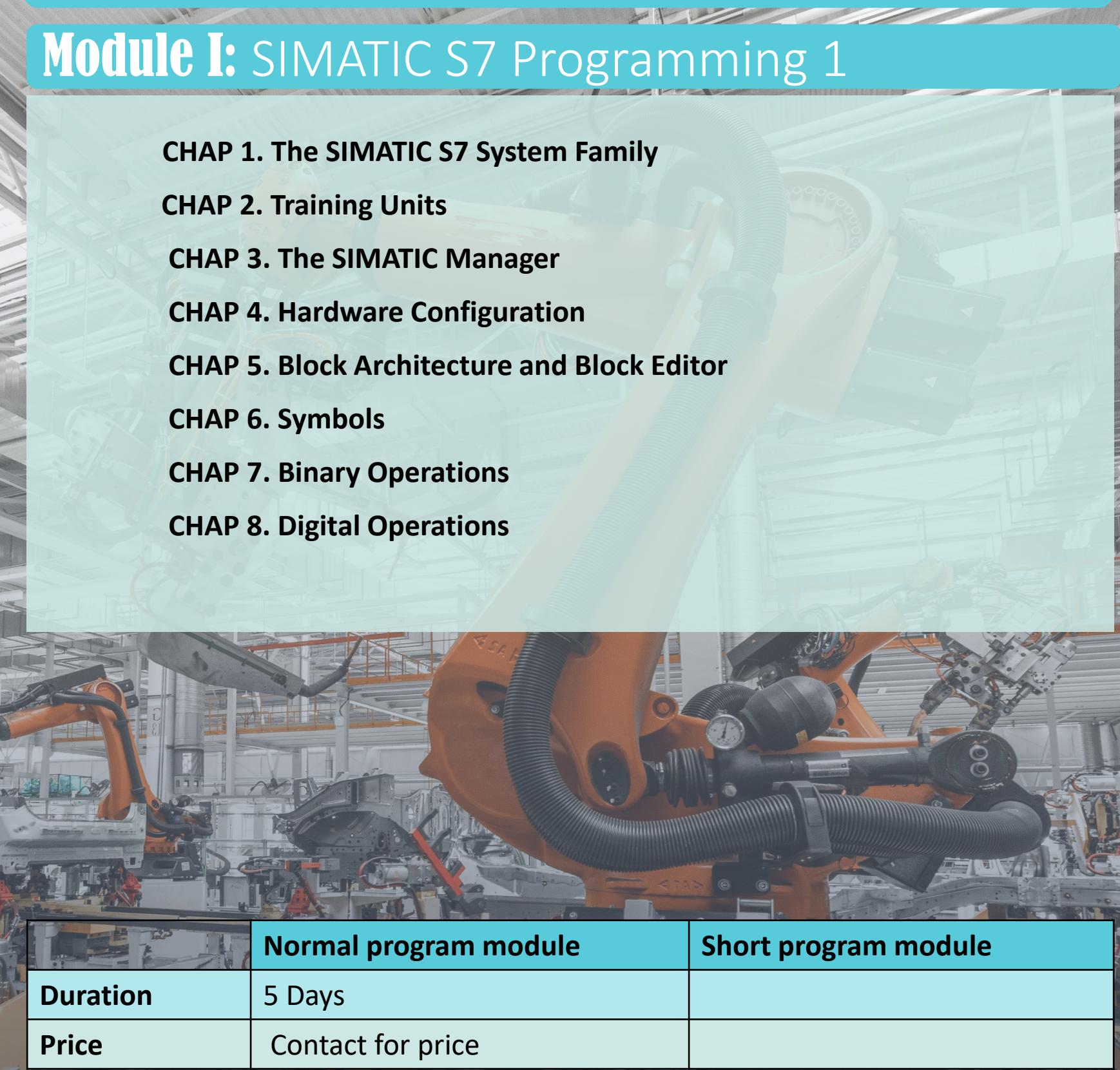
**CHAP 4. Hardware Configuration**

**CHAP 5. Block Architecture and Block Editor**

**CHAP 6. Symbols**

**CHAP 7. Binary Operations**

**CHAP 8. Digital Operations**



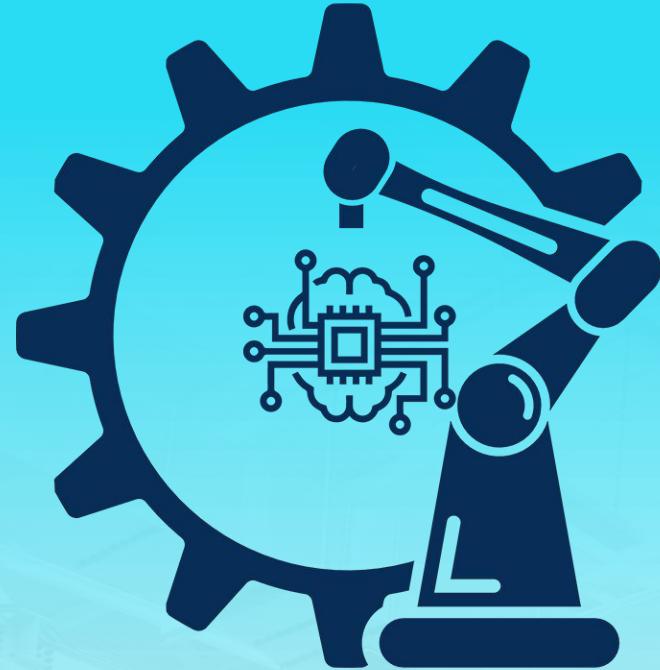
	<b>Normal program module</b>	<b>Short program module</b>
<b>Duration</b>	5 Days	
<b>Price</b>	Contact for price	



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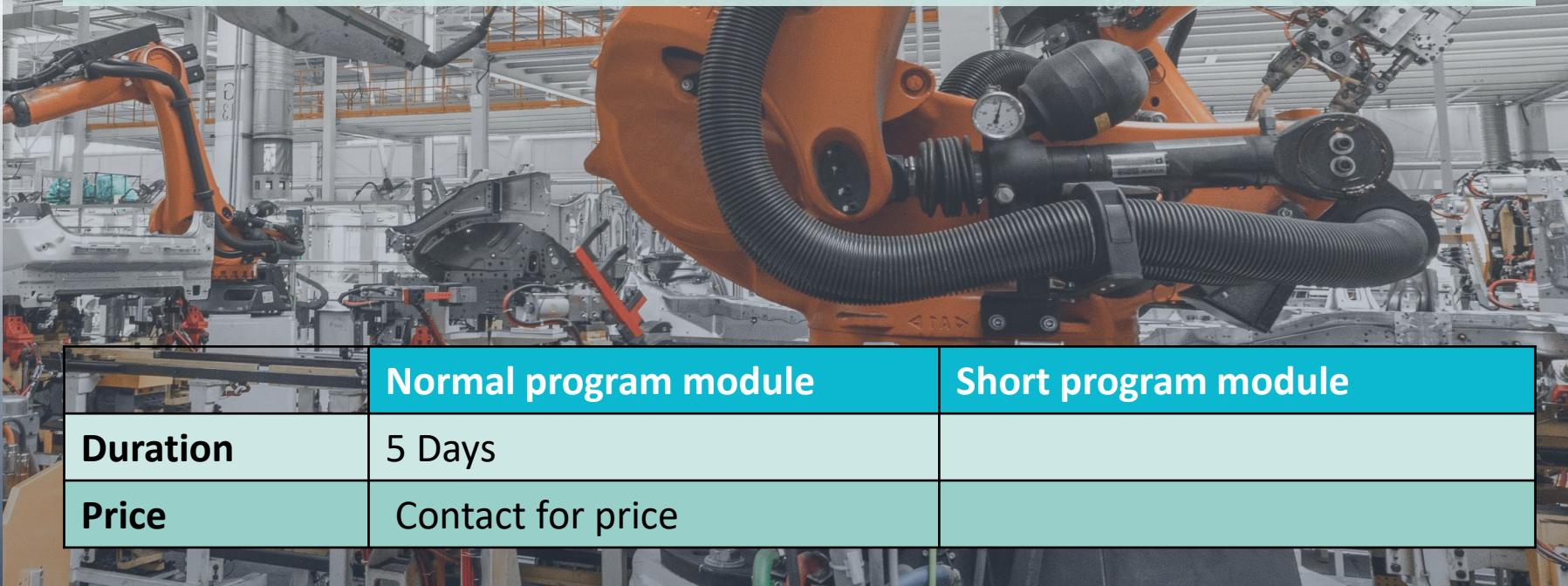


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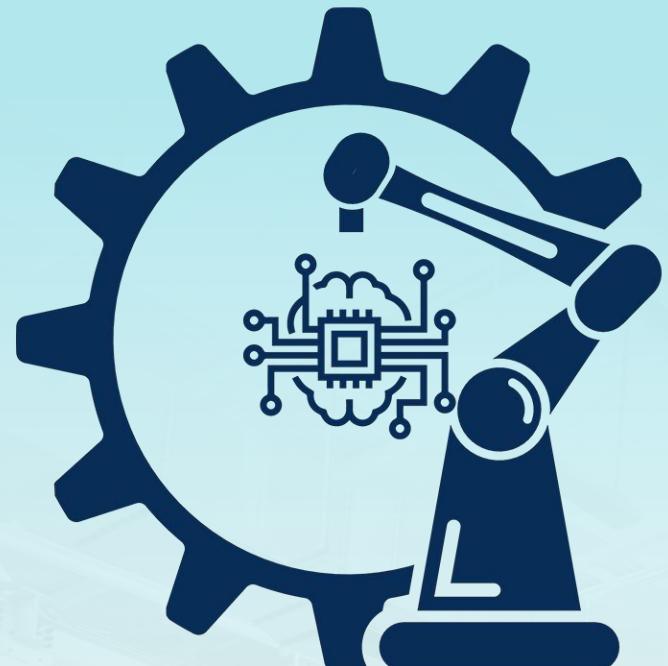
# SIMATIC STEP 7 SOFTWARE (PLC)

## 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**

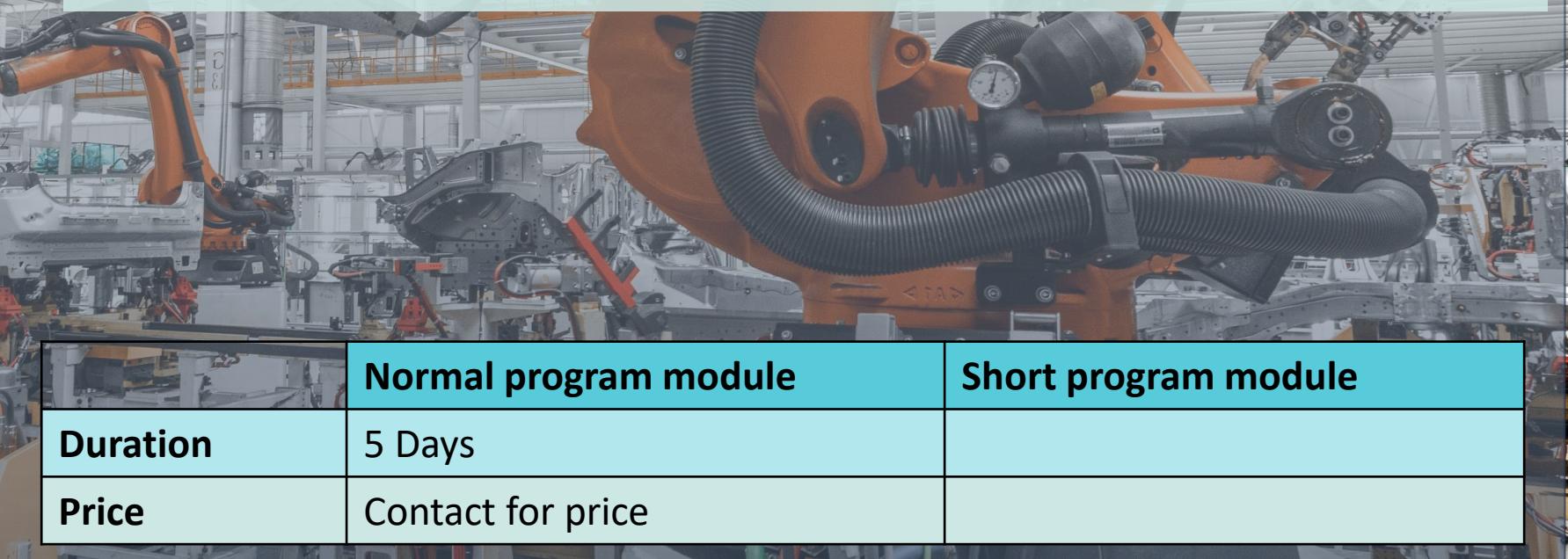
**CHAP 5 Data management in the user program**

**CHAP 6 Block calls and multiple instance model**

**CHAP 7 Using libraries**

**CHAP 8 Handling of synchronous and asynchronous errors.**

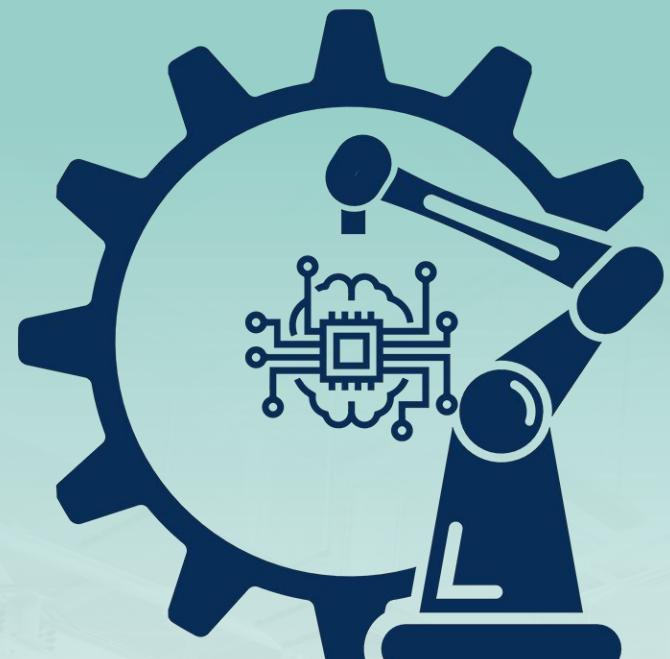
**CHAP 9 Basic and expended s7 communication**



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	<b>Normal program module</b>	<b>Short program module</b>
<b>Duration</b>	5 Days	
<b>Price</b>	Contact for price	



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# TIA PORTAL SOFTWARE (PLC)

## CHAP 1 The SIMATIC S7 System Family

## CHAP 2 Introduction to TIA Portal

## CHAP 3 Training Devices

## CHAP 4 Devices and Networks

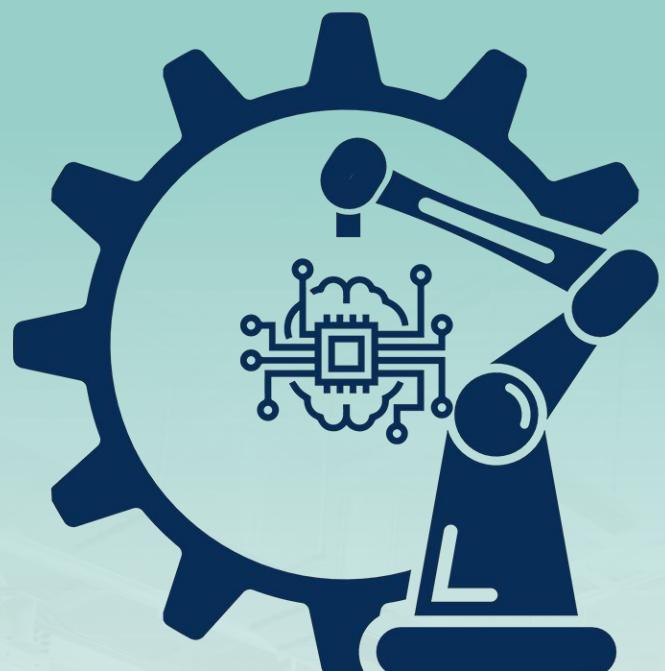
## CHAP 5 PLC Tags

## 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	

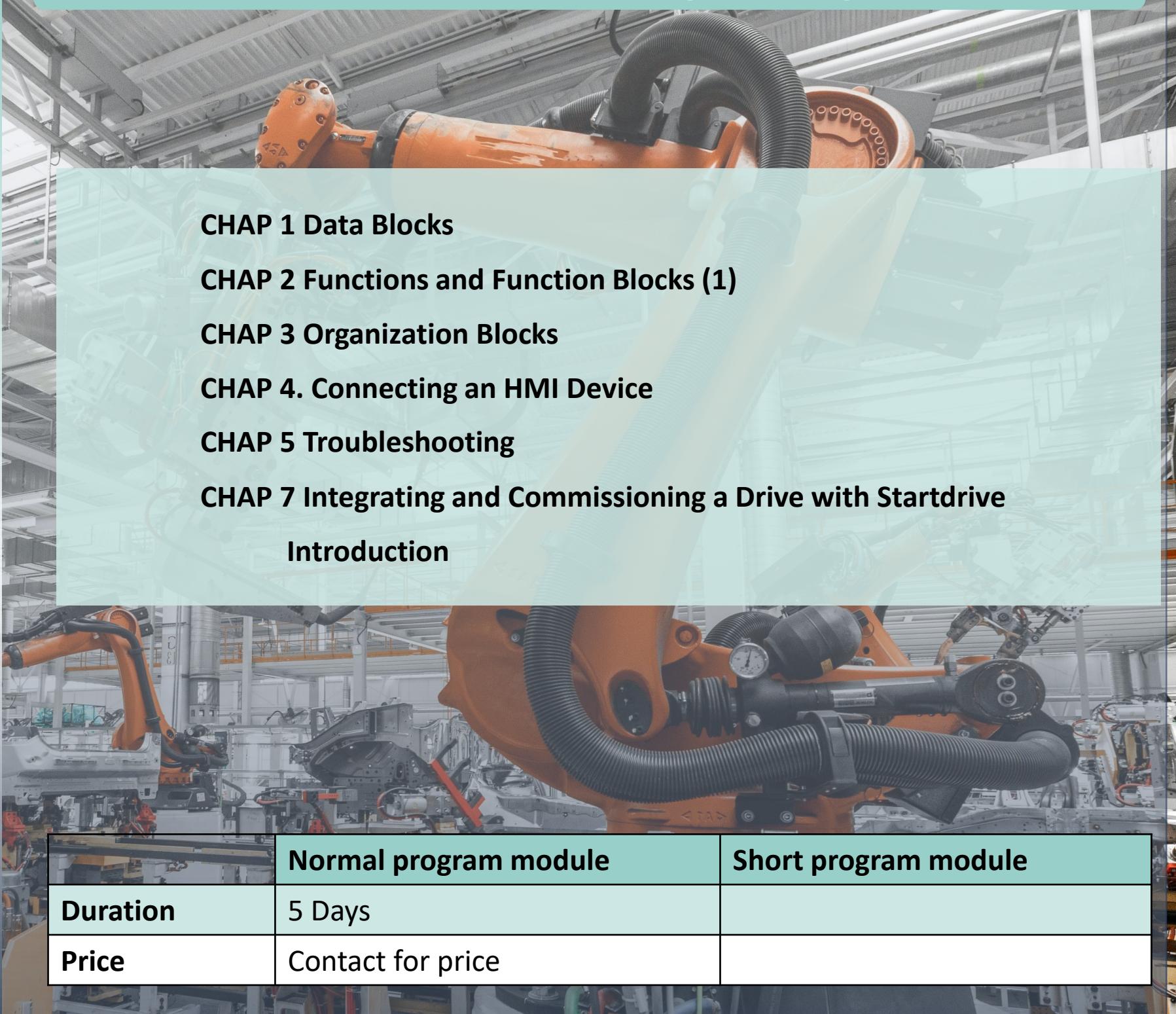


# CEIBA AUTOMATION GROUP

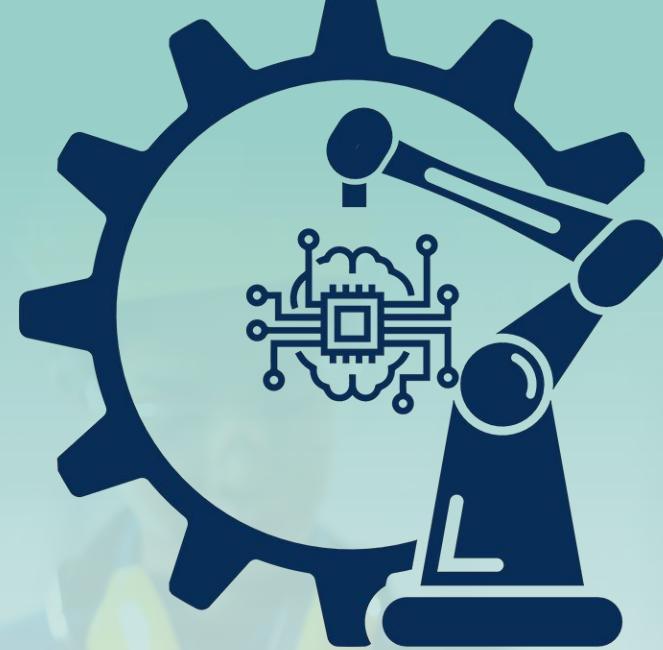


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# TIA PORTAL SOFTWARE (PLC)



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



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# TIA PORTAL SOFTWARE (PLC)

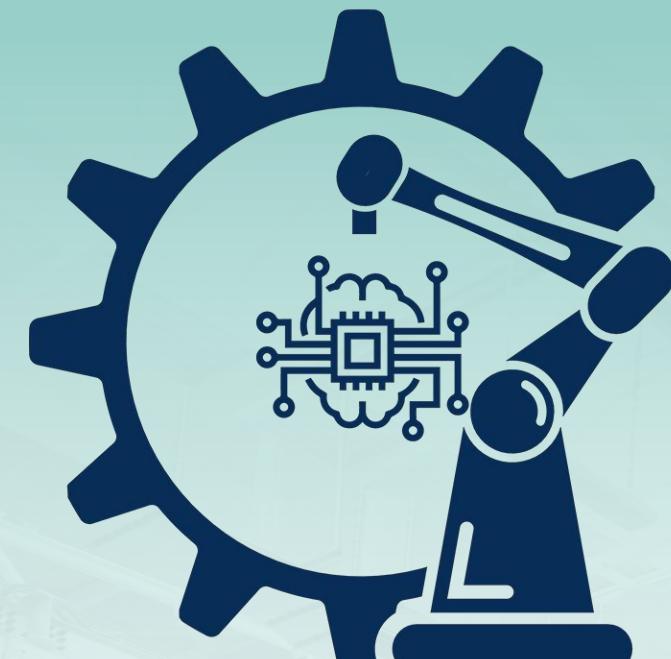
## Module III: SIMATIC S7 TIA Portal Programming 3

- 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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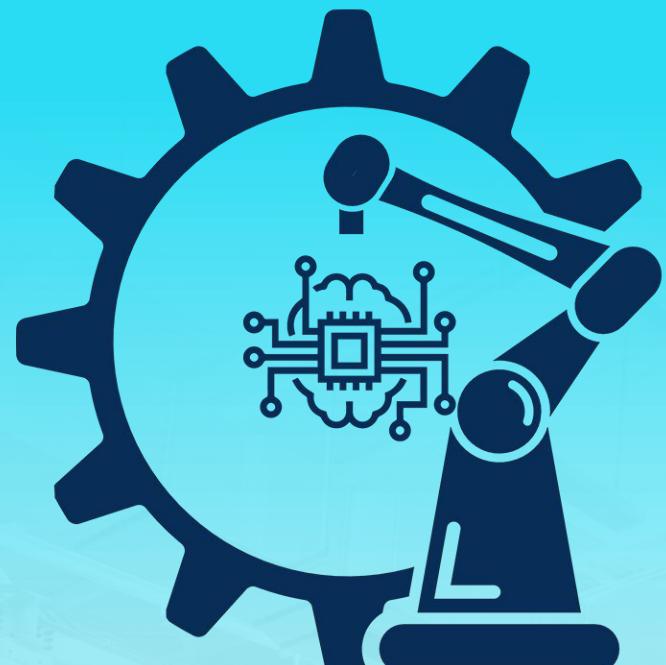
# Requirements

- ☞ 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

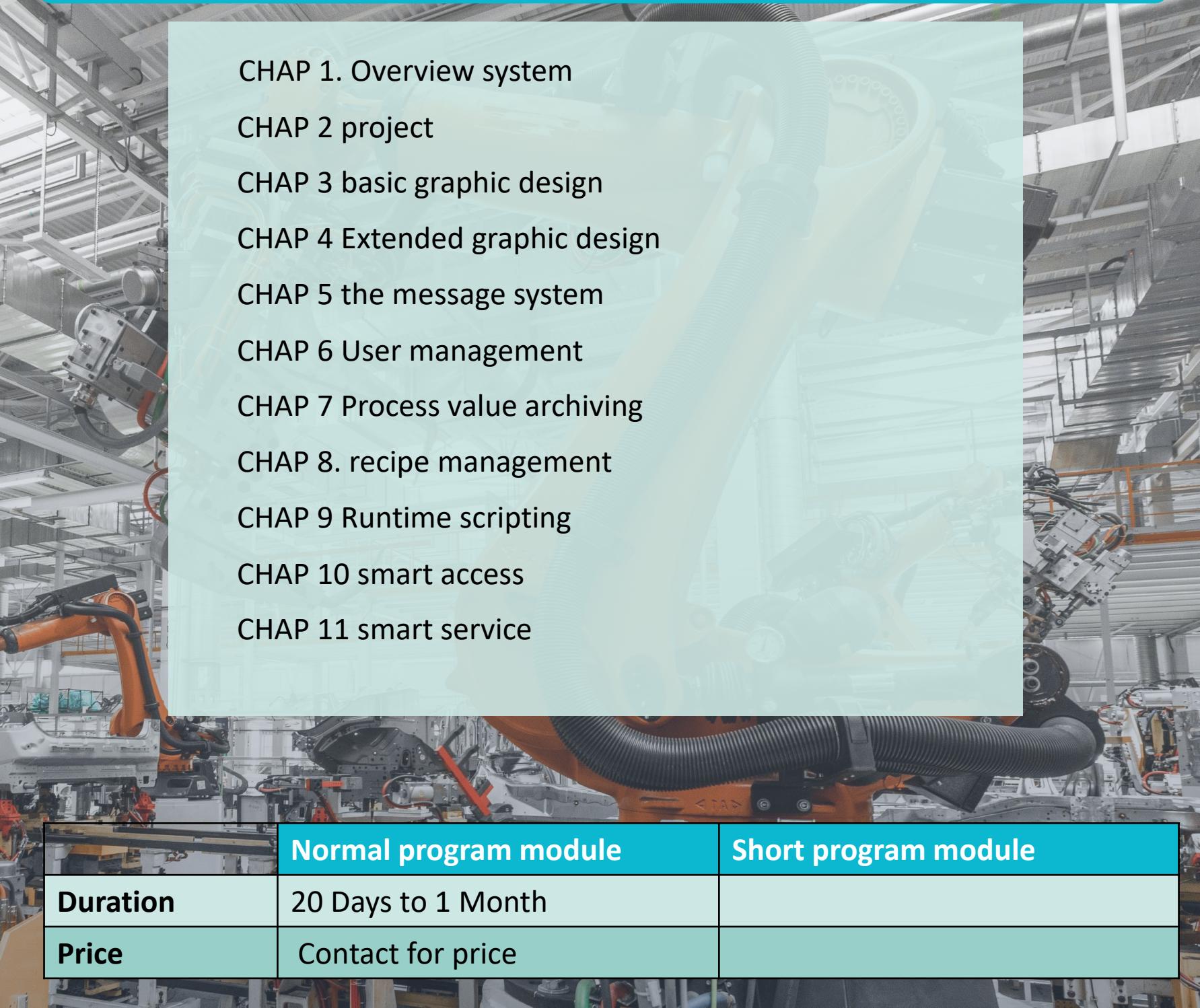


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# TOTAL INTEGRATED AUTOMATION

## 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

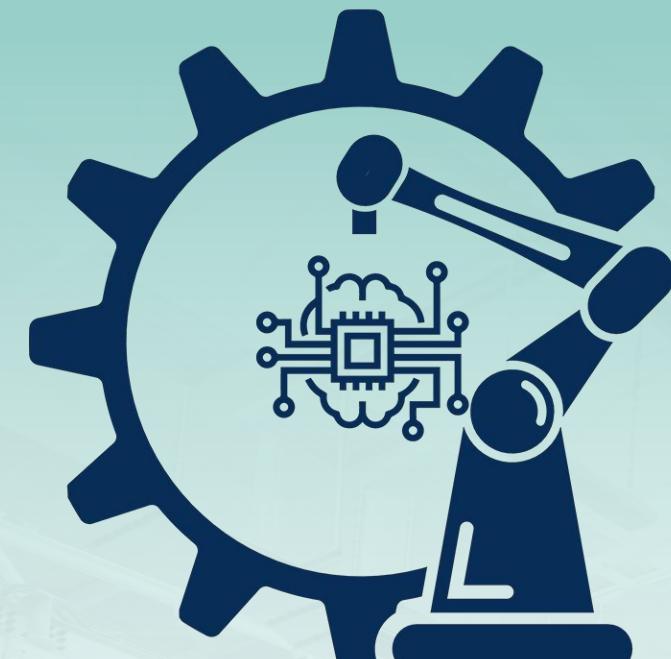
CHAP 11 smart service

	<b>Normal program module</b>	<b>Short program module</b>
<b>Duration</b>	20 Days to 1 Month	
<b>Price</b>	Contact for price	



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