



Industrial Automation with PLC

Description

A Programmable Logic Controller (PLC) or programmable controller is an industrial digital computer which has been ruggedized and adapted for the control of manufacturing processes, such as assembly line, or robotic devices, or any activity that requires high reliability control and ease of programming and process fault diagnosis.

Expectations and Goals

Build your career in automation industry. How it works and create new technology through automation.

Prerequisites

Basic knowledge in electrical, electronics.

Module	Topic
Module 1	Introduction Industrial Automation
	1.1 What is PLC? 1.2 Brief History Of PLC
Module 2	Actuation
	1.1 Manual
	1.2 Electrical 1.3 Mechanical
Module 3	Hardware
	1.1 Toggle Switch
	1.2 Push Button
	1.3 Relay
	1.4 Contactor
	1.5 Sensor 1.6 Timer

Module 4	Practical on hardware equipment
Module 5	Plc In Details 1.2 Plc Modules 1.3 Plc Software
Module 6	Programing logic 1.1 NO/NC 1.2 SPDT, LATCHING 1.3 MEMORY BIT 1.5 TIMER
Module 7	Working with PLC 1.1 Soft-master and how it's works 1.2 Pc to Plc Communication 1.3 Master Logic Plc 1.4 Applications
Module 8	Project work and documentation

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