

# Master PLC & SCADA Systems in 30 Days

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**Become JOB Ready**



**Online and Offline Mode**

# ■ 30-Day PLC Systems Challenge !

Want to master PLC programming in just 30 days and land your dream job? Join this step-by-step program that takes you from beginner to job-ready with hands-on learning and real-world projects!



## ■ What You'll Achieve in 30 Days

- ✓ Strong PLC Fundamentals
- ✓ Hands-on Experience
- ✓ Industry-Ready Skills
- ✓ Confidence to Handle PLC Systems
- ✓ Better Job Opportunities





# Introduction to PLCs & Industrial Automation

## ■ Introduction To PLC

- ✓ Introduction to PLCs
- ✓ Basic Components of a PLC System
- ✓ PLC Working Fundamentals
- ✓ PLC Applications in Industries
- ✓ Basic Electrical Fundamentals
- ✓ Sensors And Actuators
- ✓ PLC vs DCS
- ✓ Communication Protocols (Ethernet/IP, Modbus)



## ■ Development Environment

- ✓ Introduction to PLC Programming
- ✓ PLC Development Environment Installation
- ✓ Understanding Studio 5000 Interface
- ✓ Basics of Ladder Logic Programming
- ✓ Creating & Managing Tags
- ✓ Working with Data Types in Studio 5000
- ✓ Understanding Scan Order in Ladder Logic
- ✓ Hands-on Exercise

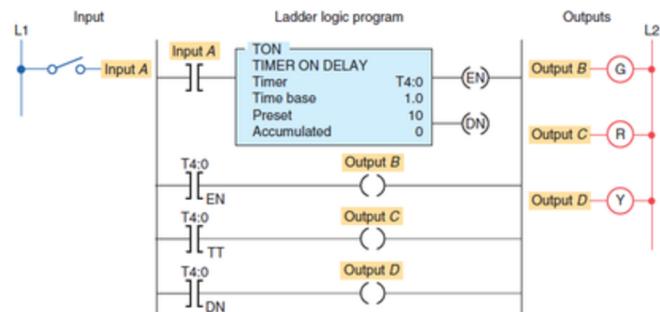
- Mock Interview for Automation Engineer Roles
- Ladder Logic Challenges & Debugging Exercises

FREE

# 2 PLC Programming

## Project Creation and Configuration

- Project Creation And Configuration
- Understanding Timers in Studio 5000
- Using Counters in Studio 5000
- Organizing Logic with Tasks, Programs, and Routines
- Understanding Interlocks & Permissives
- Handling Analog Inputs & Outputs
- Troubleshooting Ladder Logic Issues



## Advance PLC Programming

- ### PLC Programming Languages
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- The image shows a PLC rack on the left and a computer screen displaying a ladder logic program on the right. The ladder logic program includes several contacts and coils, with comments such as 'Comments: J/E' and function blocks like 'TON' and 'CTU'.
- Jump to Subroutine
  - SFC (Sequential Flow Chart)
  - FBD (Function Block Diagram)
  - PID Control
  - Interlocks And Premissives
  - Creating UDT's
  - Creating Addon's

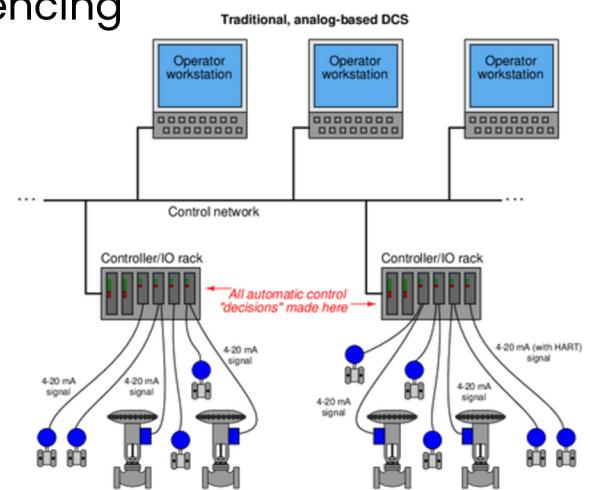
- Hands-on Labs & Real Time Projects
- Exclusive PDFs & Cheat Sheets
- Access to Studio 5000 Project's

FREE

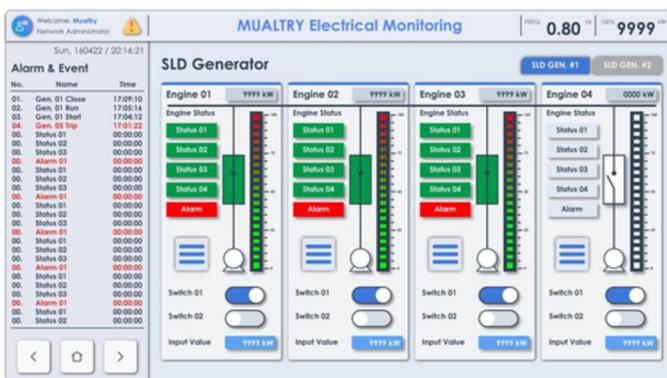
# 3 SCADA Development

## HMI and SCADA

- ✓ HMI vs SCADA
- ✓ SCADA Architecture
- ✓ FactoryTalk View Installation And Licencing
- ✓ FactoryTalk View Basic's
- ✓ Project Creation And Configuration
- ✓ Communication With PLC
- ✓ Reading/Writing Data from HMI
- ✓ Alarms And Events
- ✓ HMI Tags vs Device Tags
- ✓ Data logging to SQL



## Designing SCADA Screens



- ✓ Creating graphic displays
- ✓ Buttons, indicators, Text box
- ✓ Animation, Colour, Visibility
- ✓ Creating Faceplates displays
- ✓ Creating Pop-up's
- ✓ Creating Trend's
- ✓ Alarm History And Summary
- ✓ Creating recipe's
- ✓ Security And User management
- ✓ Project Deployment

- Tank Level Monitoring System
- Boiler Temperature Control System
- Free Recorded Lectures

FREE

Accept the challenge,  
complete real world  
projects and become  
job-ready in just 30  
days! 



Join Our Free community !

 **Make IoT**  
*Empowering The Future*

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