

PROGRAMMABLE LOGIC CONTROLLERS

Essentials Course



Pointfar Automation LLC



Contents

1 Programmable Logic Controllers (PLCs): An Overview

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Course Name: PLC Essentials

Course Code: PF_PLC_101

Course Length: 6 days

Course Hours: 48 Hour

Course Description:

An introductory to Programmable Logic Controls (PLC), focusing on the underlying principles of how PLCs work and providing practical information and skills about installing, programming, and troubleshooting a PLC system

Course Objectives:

Upon completion of this course the students will be able to:

- Understand the fundamentals Programmable Logic Controllers systems.
- Describe digital logic circuits and numbering systems
- Execute and evaluate developed programming
- Design, edit, test, and document PLC Ladder Logic Programs.
- Diagnose and troubleshoot PLCs using Rockwell's software.

PROGRAMME LOGIC CONTROLS

Advanced Course



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9 Program Control Instructions

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Course Name: PLC Advanced

Course Code: PF_PLC_102

Course Length: 5 days

Course Hours: 32 Hour

Course Description:

PLC 102 help you to take what you've learned and solve Complex problem after progressively harder problem . Students learn advanced PLC programming and learn how to establish communication,

Course Objectives:

Upon completion of this course the students will be able to:

- Understand the Program control Structure
- Perform Data Manipulation and Operations
- Understand Math instructions
- Working with Registers and Sequences
- Understand Process control network and PLC communications

13 PLC Installation Practices, Editing, and Troubleshooting

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