

PLC 1

TRAINING COURSE OUTLINE

COURSE SUMMARY

This course provides a comprehensive introduction to Programmable Logic Controllers (PLCs), covering types, input/output devices, operation cycles, modes, application considerations, programming, advantages, and practical use of PicoSoft software. Participants will learn to write, edit, and simulate ladder logic, with examples and assignments to reinforce learning. By completing this course, participants will gain fundamental knowledge of PLCs and practical skills in programming and simulation, preparing them to apply PLC technology in industrial settings.

COURSE OBJECTIVES

- Identify the various components of the PLC
- Know the types of PLCs available
- Understand how PLCs work and their operation modes
- Know Input and Output devices
- Write, edit, simulate and monitor PLC programs
- Choose a PLC Hardware
- Know the Applications of PLCs

COURSE OUTLINE

- Introduction
- PLC Types
- Input / Output Devices
- PLC Operation Cycle
- PLC Operation Modes
- PLC Application Consideration
- PLC Applications
- Programming PLCs
- Advantages of PLCs
- Introduction to PicoSoft
- Writing, Editing and Simulating Ladder Logic in PicoSoft
- Examples
- Assignment