

SLOG SOLUTIONS PRIVATE LIMITED
TECHNOLOGY: PLC/SCADA
DURATION: MODULE 1 (4 WEEKS)
MODULE 1 + 2 (6 WEEKS) +(3 months)

MODULE 1:

Introduction

- Introduction to Automation
- Type of Automation
- Application of Industrial Automation
- Basic Components of Automation
- Hardware Classification of Automation.
- Type of PLC
- Hardware and Architecture of PLC
- Programming Language of a PLC
- Introduction to field Device (Input/Output)
- Data file in PLC Programming
- Communication with PLC
- Uploading, Downloading and Monitoring programs
- Introduction to Ladder Logic Programming
- Programming of Gates

Ladder Logic Programming

- Control circuit designing with feedback concept.

- Description of using memory bit in a programming
- Programming Based on Timer
 - a) Timer on delay
 - b) Timer off delay
- Programming based on Counter
 - a) Up Counter
 - c) Down Retentive Timer
 - b) Counter

Compare and Mathematical Instruction

Compare Instruction

- Equal
- Not Equal
- Less Than
- Less Than or Equal
- Greater Than
- Greater or Equal
- Limit Test
- Masked Comparison for Equal

Mathematical Concept

- Addition
- Subtraction
- Multiplication
- Division
- Negate
- Square Root

Move/Logical Instruction

- Move

SCADA

- Introduction to SCADA Software
- GUI Designing
- Tag Substitutions
- Introduction to graphic properties like sizing, blinking, filling, analog entry, movement of objects, visibility etc.
- Application of scripts
- Creating SCADA Project'

PLC

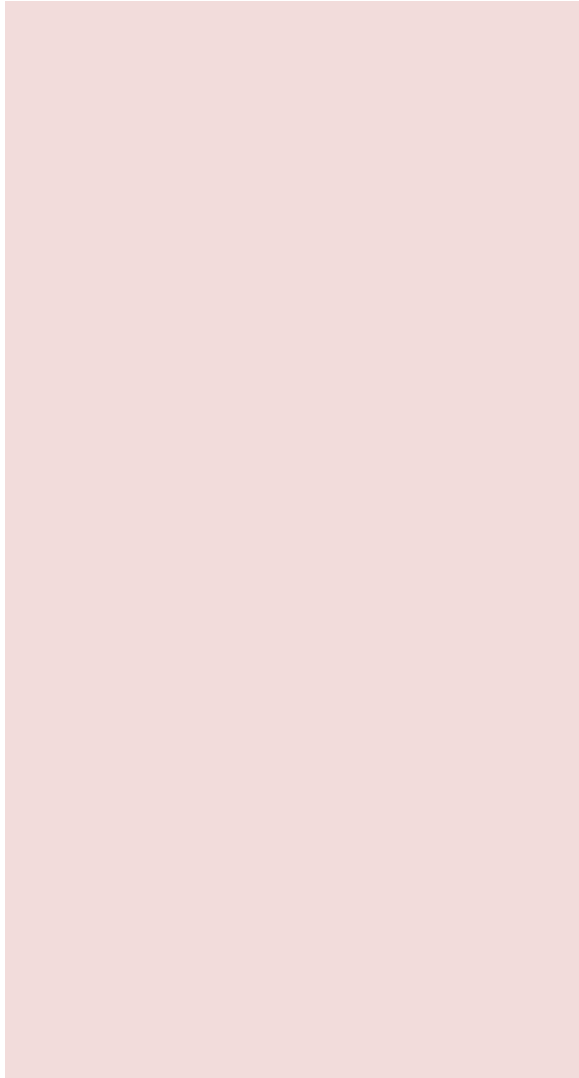
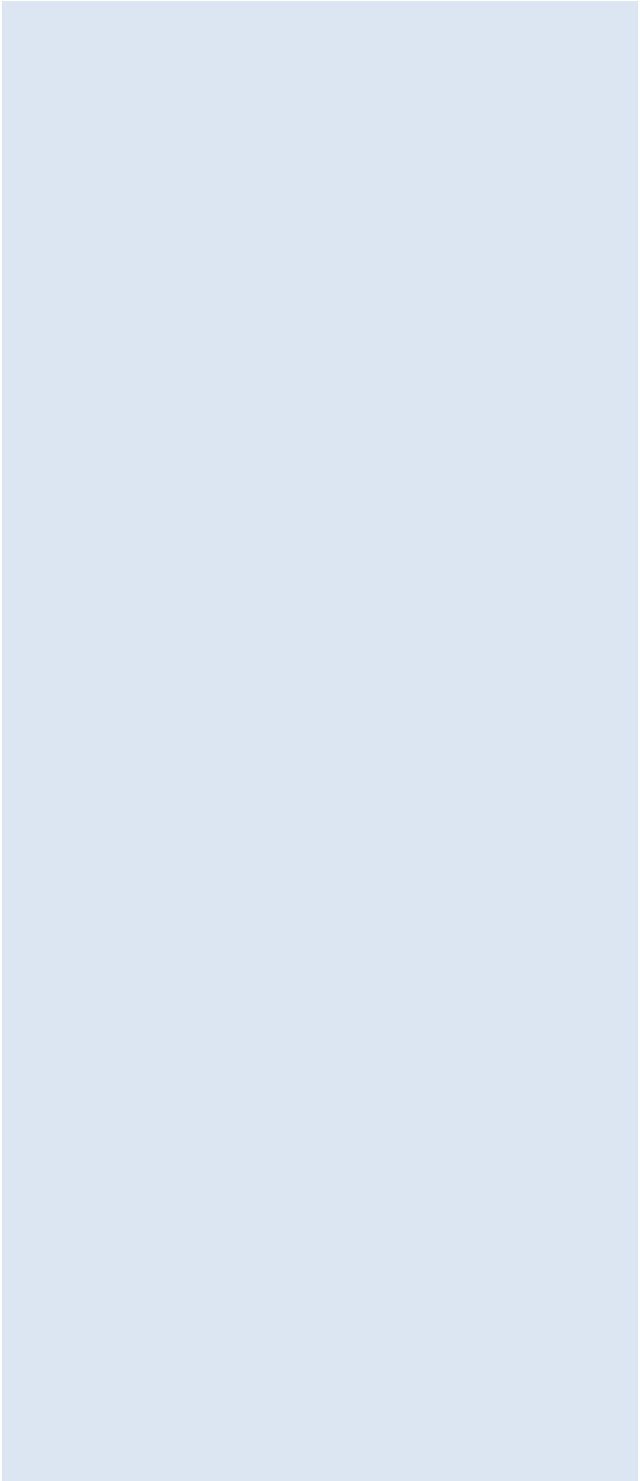
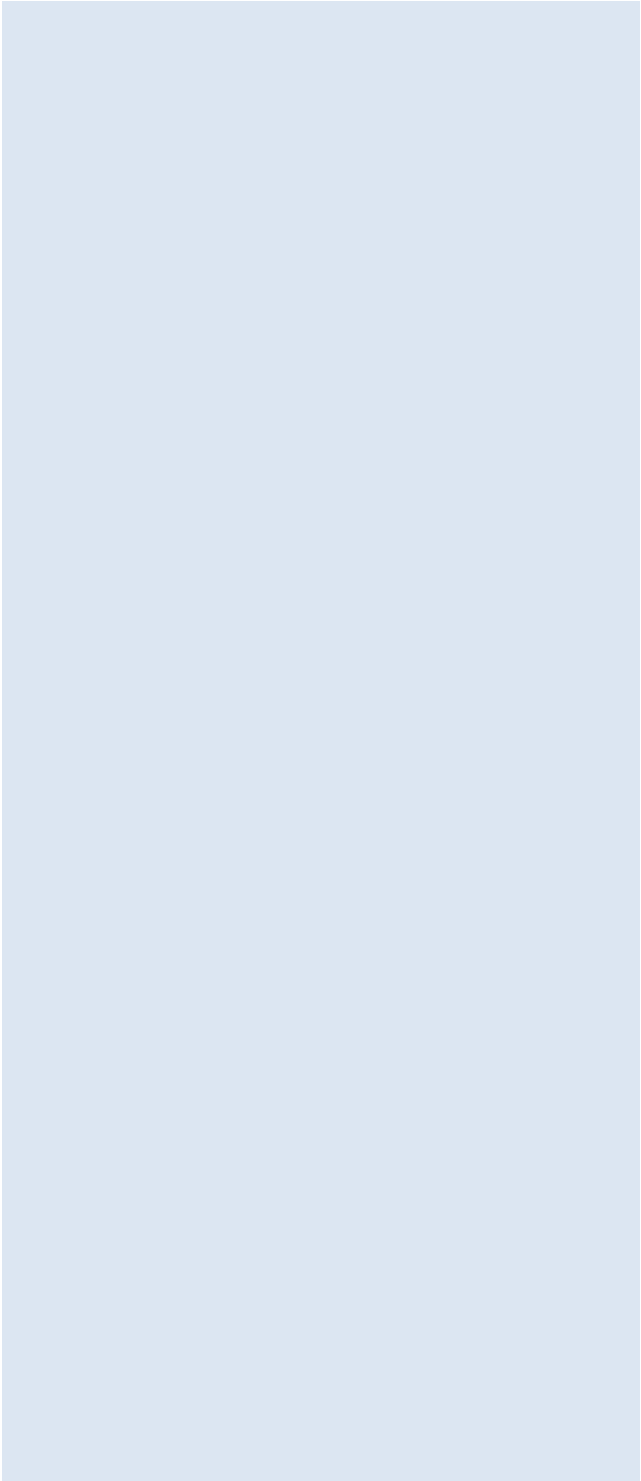
- 1) Allen Bradley

MODULE 2:

- 2) PANASONIC / Delta

MODULE 3:

- 1)-Allen Bradley
- 2) – Panasonic
- 3)- Delta
- 4)-VFD,
- 5)- HMI,
- 6)- PLC Wiring



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