

# **JTP 103 - Comprehensive Training Programme on PLC systems**

## **Learning Outcomes**

- Design, assemble and test basic electro-pneumatic circuits.
- Maintain and troubleshoot electro-pneumatic components and basic control systems.
- Design, assemble and test basic PLC based control circuits, using commonly available PLCs.
- Maintain and troubleshoot basic PLC based control sequences written in ladder language.
- Identify and describe the type of sensor devices that can connect to a PLC, based on its specifications.

## **Contents**

- Introduction to PLC
- Structure of PLC
- PLC Programming Languages
- Testing Circuits with Trainer kit

## **Evaluation**

Online Examination

## **Eligibility**

JTP 102

## **Target Group**

Institute - Student, Faculty

Industry - Design (Engineer / Manager) / Trainer

## **Duration**

2 days

## **Training Materials**

Used for Training

- Multimedia Presentation
- Cut Sections / Wall Posters
- Magnetic Symbols /JASP - Product Animations
- Pneumatic and Electro Pneumatic Trainer Kits

## **Handout to Participants**

- Courseware, Participation certificate