

# PNEUMATICS TECHNOLOGY

## COURSE OVERVIEW

The course is designed to provide participants with the fundamental knowledge and practical applications of pneumatics system. Participants will learn the concept of pneumatics components, design and construct the pneumatics system. The course will provide participants with exposure on pneumatic cylinder, valves, the control unit and functional sequence circuit.

## COURSE OBJECTIVES

At the end of the module, student / participant should be able to:

- Describe the basic principle of pneumatic, electro-pneumatic and its applications.
- Describe and identify different types and functions of pneumatic components.
- Read, construct and design pneumatic and circuits diagram.
- Troubleshoot pneumatic control system.

## THE UNIQUENESS OF THIS COURSE

- Opportunity to use the real industrial components used in industry.
- A combination of theoretical knowledge and practical experience applied in the same lab.
- All practical are based on real industrial applications.

## WHO SHOULD ATTEND

The course is design for those in the automation sector and keen to acquire the fundamentals of pneumatics system.

Target Group: Technicians, Supervisors, Automation Designers and Engineers.

## KEY TOPICS

- Introductions to Pneumatics
- Production of Compressed Air
- Control Circuit & Components of Pneumatics Systems
- Valves
- Drawing Pneumatics Circuit Diagram
- Introduction to Electro-Pneumatic System
- Electro-Pneumatics Components & Symbols Representation
- Installation of Electro-Pneumatic Circuit
- Basic Electro-Pneumatic Maintenance

## METHODOLOGY

Lectures, discussions, exercises and practical.

## COURSE DURATION

4 Days.

## PRE-REQUISITION

Basic Electrical and Digital.

## CERTIFICATION

Certificate of attendance will be issued to those who fulfil 80% of attendance.

### For further details, please contact:

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