

## **COURSE TITLE : PNEUMATICS TECHNOLOGY**

### **COURSE OVERVIEW**

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

### **COURSE OBJECTIVES**

Upon completion of this course, participants will be able to:

- Explain the principle of basic and electro-pneumatics system.
- Draw the basic and electro-pneumatics circuit diagram.
- Recognize applications of basic and electro-pneumatics.
- Construct basic and electro-pneumatics system applications.

### **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 practicals are based on real industrial applications.

### **WHO SHOULD ATTEND**

The course is designed for those in the automation sector and keen to acquire the fundamentals of basic and electro-pneumatics system.

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### **TARGET GROUP**

Technicians, Supervisors, Automation Designers and Engineers.

### **KEY TOPICS**

- Principles of basic and electro-pneumatics
- Drawing of basic and electro-pneumatics systems.
- Construction of basic and electro-pneumatic systems.
- Pneumatics application in industry.

### **METHODOLOGY**

Lectures, discussions, exercises and practical

### **COURSE DURATION**

4 Days /32 Hours

### **PRE-REQUISITE**

Basic Electrical

### **CERTIFICATION**

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

Minimum participants: 6