

*Looking for a course  
that's fit for your  
learning and  
development needs?*

## Interpretation of Electrical Wiring

**Code:** IEW

**Duration:** 8 Hours

**Synopsis:**

Interpretation of Electrical Wiring is one of the competency skills which manufacturing engineers and technicians must have. It explains how to relate a wiring diagram to the installed hardware.

**Course Objective:**

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

- Demonstrate the knowledge and skills of electrical symbols, components, subcircuits and terminology
- Identify the type of electrical diagrams and its applications
- Interpret the electrical wiring from the electrical drawing and by tracing the wiring

**Course Outline:**

This course will cover:

- Type of cables, color code and connecting devices (Din, TB etc)
- Electrical components: Resistors, capacitors, inductors, transformer, fuse, rccb, mcb, thermal overload relay, relay, solenoid valve, lamp, switches (latch, momentary, spst, dpdt) timer, heater
- Type of electrical diagram: schematic diagram, electrical diagram, wiring diagram, block diagram
- Purposes and features of different diagrams
- Labeling and color coding of cables
- Coding of labeling in electrical wiring
- Tracing of cable using DMM

**For Whom:**

Suitable for manufacturing technicians, engineers, supervisors, electrical technician and repair man.

### **Entry Requirements:**

Participants are assumed to:

- Have a basic knowledge of the Singapore Workplace Safety and Health requirements;
- Be able to listen, read and write English at a proficiency level equivalent to the Employability Skills System (ESS) level 4 and above;
- Be able to manipulate numbers at a proficiency level equivalent to Employability Skills System (ESS) level 4 and above.

### **Training Medium:**

This course is conducted in English.

### **Training Methodology:**

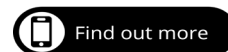
This course is delivered through lectures, demonstration and hands-on practices.

### **Certification:**

A Certificate of Participation will be issued to those who attained a minimum attendance of 75%.

### **Contact Us:**

For further information or registration, please contact +65 6483 2535 or email [emarketing@elitc.com](mailto:emarketing@elitc.com)



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