

Course Title: Electrical Device Control

Course Code: EEA 108

Course Background / Summary:

This subject is designed to provide participants with a clear and refined understanding of electrical devices used in motor control technology. They will learn the usage and fixtures of electrical items, as well as wiring installations. Health and safety aspects are also incorporated into the modules to provide participants with knowledge on performing work functions with due care. This subject provides a practical introduction to the standard methods and techniques of assembly and wiring of electrical and electromechanical control panels and equipment.

Course Objectives:

- Describe the functions of different elements used in motor control technology.
- Describe all components used in the construction of the control circuit of the electric motor.
- Construct the electrical wiring according to the schematic diagram.

Target Audience:

- Industrial workers from operations, technicians to engineers
- Teaching staff (vocational & technical teachers)

Course Duration: 3 Days

Course Contents

1.0 Electrical Control

2.0 Components Employed in Composing Electrical Automation

3.0 Design Techniques of Wired Automatic Devices, Control, and Power

4.0 Practical/ Hands on