

Course Title: Basic Electrical Skill

Course Code: EEA 107 (i)

Course Background / Summary:

This course is designed to demonstrate to participants the concepts and practical hands-on related to wiring and installing an electrical power system. The participants will learn to adapt to basic electrical knowledge in terms of rules, protections, design, and wiring and relate to basic domestic wiring. They will perform hands-on tasks through project applications that are related to domestic wiring. As such, participants will be trained on the usage and fixtures of electrical items and wiring installation, whereas safety aspects are also incorporated into our training module.

Course Objectives:

- Draw Electrical control and power circuit related to domestic applications
- Identify and describe the functioning of different components used in an electrical installation
- Apply the basic laws and the rules in the analysis of the main magnitudes of the low-tension electrical installation for housing and buildings
- Interpret and identify basic domestic wiring skills
- Perform and construct an electrical wiring installation for housing with the required law and safety
- Understand the behavior and the properties of poly-phase in an electrical system

Target Audience:

- Industrial workers from operators, and technicians to engineers
- Teaching staff/instructors

Course Duration: 3 Days

Course Contents

1.0 Introduction to Electrical Skills

2.0 Electrical Shock & Wiring Protection

3.0 Hand Tool & Usage of Multimeter

4.0 Wiring Regulation

5.0 Electrical Installation Design

6.0 Projects