

Course Title: Advanced Hydraulic System

Course Code: EEA 105 (iii)

Course Background / Summary:

This advance hydraulic control course is based on practical applications and experience in hydraulic controls such as conventional-hydraulic, electro-hydraulic, and programmable logic controllers in the workplace. Participants in this course will be able to understand and perform hydraulic and electro-hydraulic systems. They will be exposed to the automation system by using PLC as a controller for the hydraulic system.

Course Objectives:

- Familiarize with hydraulic technology and control
- Execute the hydraulic and electrical control circuit and advance hydraulic control such as PLC.
- Fulfill the basic knowledge of PLC hardware & software and understand the functionality of the PLC application.
- Apply the knowledge gained to design and program simple projects based on hydraulic technology

Target Audience:

- Industrial operators
- Technicians and engineers responsible for the operation, maintenance, troubleshooting, and repair of hydraulic operated machinery
- Teaching staff/instructors

Course Duration: 3 Days

Course Contents

1.0 Conventional Hydraulic System

2.0 Electro-hydraulic System

3.0 Introduction to PLC

4.0 Basic Instructions