Course Title: LabVIEW for Pneumatics & Hydraulics Application	**Course Code: EEA 160**

Course Background / Summary:

Labview is one of the most important SCADA software used in the industry. It provides real data monitoring and activation. System. This course will introduce participants to how to utilize Labview software and build the interface for Pneumatics and Hydraulics applications. The participants would also be able to construct/build Data Acquisition Card (DAQ) from scratch.

Course Objectives:

- Program/Utilize LabVIEW Software and familiarize with DAQ.
- Control pneumatics and hydraulics cylinders for several applications.
- Program/Utilize LabVIEW Software for data monitoring and control.

Target Audience:

- Electricians, Research assistants, Research officers, Researchers, Academicians
- Technicians, Hobbyist
- Engineers & Instructors

Course Duration: 3 Days

Course Contents

1.0 Introduction to LabVIEW and DAQ

2.0 Introduction to PIC Microcontroller as Interface Circuit to LabVIEW

3.0 LabVIEW for Data Capture, Monitoring, Transfer, and Communication

4.0 LabVIEW Programming for Control Motors

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