

INTRODUCTION TO VIRTUAL INSTRUMENTATION AND MEASUREMENT



COURSE OVERVIEW

This course is designed to provide participants with the knowledge of virtual Instrumentation and measurement. Participant will be able to apply Lab View software for data acquisition purpose and System Control application. Participants will distinguish between PC-based data acquisition and signal conditioning system.

The course includes hands-on exercises with Plug-in DAQ board & devices and signal conditioning hardware for data logging. Familiarization with analogue input, triggering and signal processing will assist the participants in installing and configure data acquisition hardware and build an engineering application.

COURSE OBJECTIVES

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

- Use the Lab View software for data acquisition and signal conditioning system.
- Familiarize with block diagrams, icon, connectors panes, signal processing, analogue input and triggering.
- Build an engineering application, install and configure data acquisition hardware.

THE UNIQUENESS OF THIS COURSE

- Use of authentic industrial equipment and instrument and UUT in practicals.
- Calibration techniques performed using various industry equipment
- Exposure to the ISA and ISO Calibration Standard.
- Industry experienced trainers

WHO SHOULD ATTEND

This course is designed to those who are related to the area of instrumentation, control as well as in education line.

Target Group: Engineers, Technicians, Lecturers and Technical Teachers.

KEY TOPICS

- View environment
- Modular Programming
- Repetitions and Loops
- Arrays
- Clusters
- Plotting Data
- Data Acquisitions and Waveforms.

METHODOLOGY

Lectures and practical exercises

COURSE DURATION

4 Days

PRE-REQUISITE

- Basic Electrical, Electronics, Process Control and Instrumentation.

CERTIFICATION

Certificate of attendance will be issued to those who fulfill 80% of attendance.

Minimum Participant: 6

For further details, please contact:

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