

# TECHNOLOGY LEARNING CENTER

*..Finishing School for Engineer's*

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## WORKSHOP ON LAB VIEW



The Lab VIEW Introduction Course introduces the Lab VIEW environment, its features and dataflow programming. This course prepares you to develop, test and measure, for data acquisition, instrument control, data logging, and measurement analysis applications using Lab VIEW. At the end of this course, you can create applications using basic design templates and architectures to acquire, process, display, and store real-world data. This course provides a way to become productive with Lab VIEW. The hands-on format of the course enables you to quickly apply skills learned in the course to your application.

### About workshop

This workshop is designed to provide introductory experience with Lab View software. Lab VIEW simplifies scientific computation, process control, and test and measurement applications, and you can also use it for a wide variety of other programming applications. Lab View software is an industrial strength software tool that is used for many real applications.

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## From this workshop one can learn

1. What is Lab VIEW?
2. About Virtual Instruments
3. Front Panel & Block Diagram
4. Control and Indicators
5. Building VI
6. Creating Sub VI
7. Using VI as sub VI
8. Opening, operating, and changing Sub Vis
9. Using loops , charts and case structures
10. Array Controls, Constants and Indicators
11. Creating String Controls and Indicators
12. Using Lab view to Acquire Data
13. About VISA
14. About Serial Port

## Workshop highlights

1. Become comfortable with the LABVIEW environment and data flow execution
2. Data Acquisition using USB/serial Protocol
3. Learning Controlling of devices like buzzer, LED, seven segments Display and DC motor
4. Learn & Interact with renowned Industry Experts

## Benefits of the participants

- **Certificate of Participation** to all Participants from Indo Global Services
- **Free Softcopy of workshop content**
- Indo Global service summer Training Redemption Coupon



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## Our Requirement for the program:

- Minimum of 50 teams for conducting the workshop
- One Computer CD-ROM drive for each team or students are requested to get their laptop preferably with Windows OS.
- LCD projector and microphone PA system.
- Seminar hall or computer lab for conducting the workshop.

## Workshop Duration:

- 2 Days [7 Hours/Day]

## Pre-requisites:

The modules are designed in order to cater the basics of Robotics and coding however following pre-requisites will be an added advantage.

- Basic knowledge of C programming.
- Basic Electronics.

