



Mirror Technologies

Reflecting Ideas..

Lab VIEW Syllabus

Duration-1 Months

Level-1: Introduction LabVIEW

What Exactly is LabVIEW-What can LabVIEW do for you- How does LabVIEW work-Evolution of LabVIEW- What is DAQ- Communication using Serial Port- LabVIEW add-on toolkits- LabVIEW Real Time, FPGA, PDA, and Embedded.

Level-2: LabVIEW Environment

Front panel, control and indicator- Block Diagram, Nodes , Wires, Data Flow Programming- LabVIEW Projects, Project Explorer window, project Explorer Toolbars- Building Application- Installers- Floating Palettes-

Level-3: LabVIEW Foundation

Creating VI- Basic Controls- Indicators- Booleans- String- Paths- Decorations- Custom Controls and Indicators- Automatic wire routing-Automatic Wiring – Wiring Complicated Objects- Bad Wires – Wiring Tips- adding Constants- Controls and indicators – Keyboard Shortcuts- Cloning and object

Level-4: Programming Execution with Structures

For Loop - The While Loop - Placing Objects inside Objects - Counting the Loops - Shift Registers – Case registers – Dialogs – The Sequence Structures – Timing – Timed Structures – Formula Node – Expression Node.

Level-5: Virtual Display: Charts & Graphs



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Waveform Charts - XY Graphs – Chart and Graph Components

Level-6: Embedded combining with LabVIEW

VISA concept - Baud rate Calculation - Measurement and Automation Explorer - Serial Communication with Microcontrollers.

Software Tools in the Course

1. Micro Vision Keil
2. LabVIEW
3. Measurement & automation Explorer
4. Proteus Stimulator
5. Proload