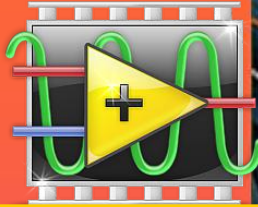




Technologies

Diverse Technology | Seamless Integrity



In Association with NI

LABVIEW CERTIFICATION

FOR SUCCESSFUL CAREER

ABOUT US

Technologies's Provide Training From the inception of an idea to the commercialization of a widget, on unique platform-based approach to engineering and science applications has driven progress across a wide variety of industries. Central to this approach is LabVIEW, a development environment designed specifically to accelerate the productivity of engineers and scientists. With a graphical programming syntax that makes it simple to visualize, create, and code engineering systems, LabVIEW is unmatched in helping engineers translate their ideas into reality, reduce test times, and deliver business insights based on collected data. From building smart machines to ensuring the quality of connected devices, LabVIEW has been the preferred solution to create, deploy, and test the Internet of Things for decades.



CORPORATE TRAINING



INDIVIDUAL TRAINING



GLOBAL CERTIFICATION



Course Content

1. LabVIEW Fundamentals:

Introductions of LabVIEW
Programming principles in LabVIEW
Environmental basics in LabVIEW

2. Basics applications:

Numerical
Booleans
Comparators

3. Loops and Sequences:

While loop
For loop
Flat sequences

Course Content

4. Structures and Nodes:

Case structure

Event structure

Formula node

5. Data Handling Instructions:

String functions and its applications

Array functions and its applications

Waveforms creations

Clusters

File I/O

Course Content

6. Programming applications:

Sub VI creations

Stand-alone files and installer development

::Assessment
test with Phase I
project::

7. Internet:

Remote panels creation and testing
Web server development

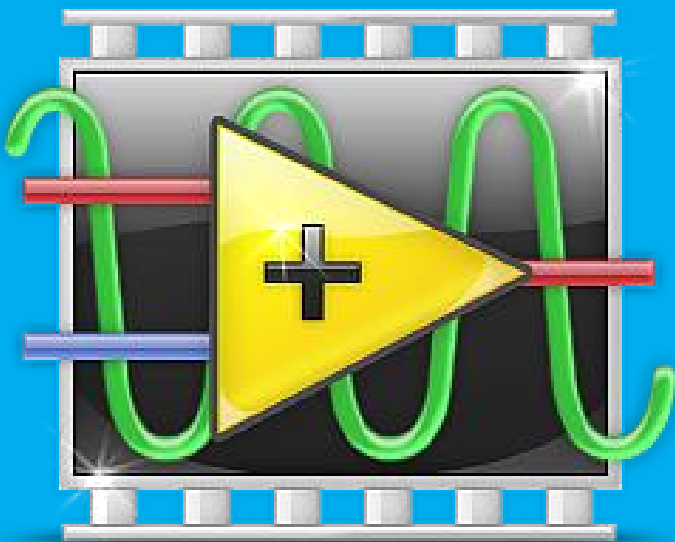
8. Instrumentation drivers:

VISA architecture explanations
Various protocols and explanations

9. Embedded Devices and Controllers:

GSM module interface
and programming

8051 Microcontroller
Interface



10. DAQ Interfacing: - NI USB 6009

Unit A: Theory

Introduction of DAQ card system

Technical specifications of NI USB

- 6009 DAQ

Architecture of DAQ

Digital I/O wiring configurations
methods

Different types of Analog
I/O wiring

LabVIEW software design
for DAQ card

Hardware Interfacing

Phase II Project

10. DAQ Interfacing: - NI USB 6009

Unit B: Hardware Interface

Process 1: - Acquiring and generation of Digital signals

Process 2: - Acquiring analog values in DE and RSE method

Process 3: - Generating analog output for various applications such as waveforms generations, LED brightness control, DC motor speed control.

Process 4: - Integration of DAQ card with embedded devices such as GSM, Microcontrollers.

Accommodation

Free Accommodation
for
OUTSTATION
CANDIDATES

Contact us

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