



**NITTTR
BHOPAL**

EEE-14/2024-2025 LABVIEW Software Programming 25-11-2024 to 29-11-2024 NITTTR Bhopal



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Rationale

This program aims to develop skills to use LABVIEW Software, and develop small applications related to Engineering and Science disciplines. This software is useful in prototype design, building logic and arithmetic functions, and the development of Virtual Test and Measurement Instruments. The software is predominantly used for data acquisition and control applications in the Industry. This industrial-grade software is also utilized as a maintenance and troubleshooting tool in the industry as well as in industrial automation applications.

Programme Outcomes

- i. Develop skills to use the LABVIEW environment.
- ii. Develop simple applications using LABVIEW.
- iii. Interface hardware with LABVIEW.
- iv. Use LABVIEW for data acquisition.

Programme Content

- Overview of Lab VIEW and Virtual Instrumentation, User Interface, Modular Programming, Loop concepts, Practice and Assignments based on Modular Programming, Array, clusters and structures, Analysis and plotting of signals, Virtual test and measuring instrument, Instrument Control, and Data Acquisition, USB and DAQ interfacing practical circuit testing and hardware interface.

Target Group

Faculty of Electrical and Electronics Engineering and allied disciplines

Coordinator & Co-Faculty

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