

## National Instruments Lab



The National Instruments (NI), a Centre of Excellence has been started by Department of Electronics and Communication Engineering under the aegis of Vishnu Institute of Technology, Bhimavaram in collaboration with National Instruments (NI). This centre was inaugurated on November 23rd, 2017 by our respected Chairman Shri. K. V. Vishnu Raju Garu. The NI LabVIEW (Laboratory Virtual Instrumentation Engineering Workbench) Academy was initiated to establish connections and communication between different departments to create interdisciplinary specializations. The centre aims at interdisciplinary research programs, scientific research projects, research relationships with other research centre's or distinguished researchers in collaboration with industry.

The course structure is framed such that it comprises of LabVIEW Core-1 and LabVIEW Core-2 courses. The entire course is to be conducted for the duration of 3 Years. The LabVIEW courses is planned to start when a student enters in the II Year of his/her B. Tech curriculum. The Table below provides the details of the course that would be dealt in the three years.

### OUTCOME OF THE TRAINING

- Produce Certified LabVIEW Associate Developers (CLAD)
- Enhances the student skills to solve real-time problems, develop prototype models related to applications like - Automotive, Bio-medical, Engineering, Robotics, Metallurgy, Mechanical & Production Engineering, Power Systems, Process Control Design, Remote Sensing, Telecommunications, Industrial Automation, Image Processing, Aerospace and Military.

### SOFTWARE

- LabVIEW Full Development system
- LabVIEW Simulation Module

### HARDWARE

- NI myDAQ Integrated Electronic Circuits Education hardware