Report on Certificate Course on NI LAB VIEW

Department of **Electronics and Communication Engineering** (ECE) has conducted "**A Four day Certificate course on NI LabVIEW**" **in association with Andhra Pradesh Information Technology Academy (APITA),** Vijayawada from 29th October 2018 to 1st Novenber 2018. III Year B.Tech **Electronics and Communication Engineering** students were effectively utilized this four day certificate course with full satisfaction.

Resourse Person:

> *Miss.M.Lavanya Sree,*
> *Certified LabVIEW Associate Developer,*
> *CEO of VIEWRobo (STARTUP),*
> *Works for National Instruments, Hyderabad.*

Resource person Miss. M. Lavanya Sree was giving overview on Lab VIEW

Day – I:

Resourse Persons from APSSDC, Amaravathi *(Miss.M.Lavanya Sree, LabViewRobo (STARTUP), Hyderabad)* discussed about Importance of the course, LabVIEW software, Overview & basics of LabVIEW Software & Graphical User Interface (GUI) overview.

Basically LabVIEW is Graphical User Interface, Which makes students easily umderstand the engineering concepts & makes programming easier with easy drag & drop icons.
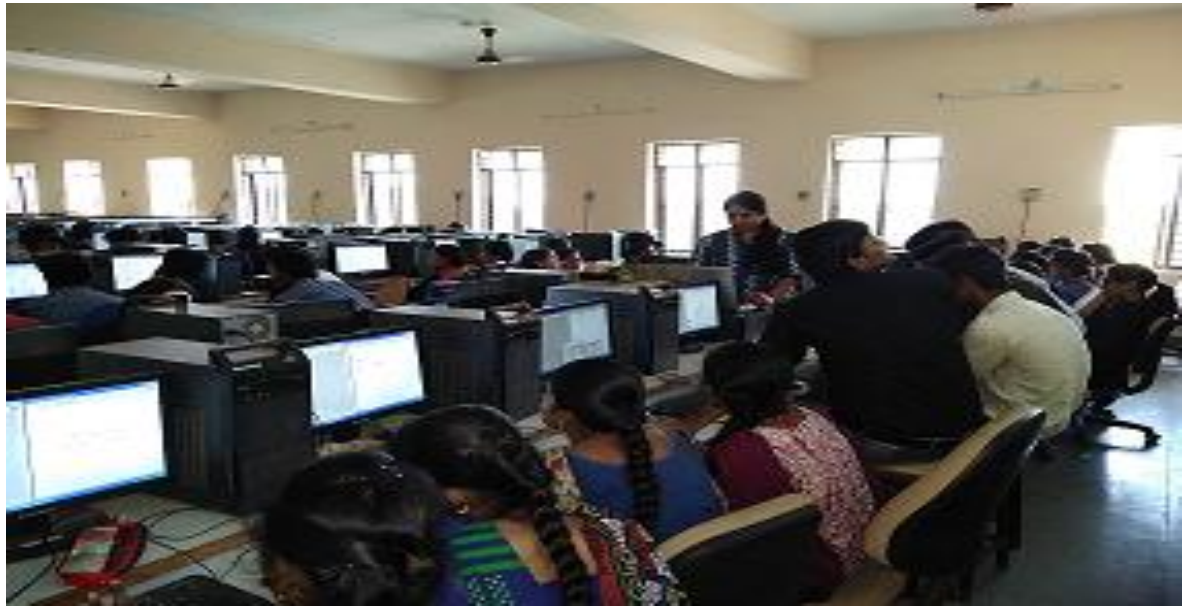
Implementation of programs by the students

Day – II:

She concentrated to verify various circuits which helps to build their lab experiments. It is the cornerstone of the NI circuits teaching solution to build expertise through practical application in designing, prototyping, and testing electrical circuits. The Multisim design approach helps you save prototype iterations and optimize printed circuit board (PCB) designs earlier in the process.

Students testing the electrical circuits

Actually Multisim was originally called Electronics Workbench and created by a company called Interactive Image Technologies. At the time it was mainly used as an

educational tool to teach electronics technician and electronics engineering programs in colleges and universities. National Instruments has maintained this educational legacy, with a specific version of Multisim with features developed for teaching electronics.

Hands on sessions by the students

Day – III:

In third day fully concentrated on hardware training. To interface NI myRIO & NI myDAQ hardware kits to computer, this helps to collect data from any remote areaand use it sitting at a place through NI myRIO.

Day – IV:

The myRIO Project Essentials Guide serves as the guide to interfacing NI myRIO to the wide variety of sensors, actuators, and displays contained in the NI myRIO Starter Kit, NI myRIO Mechatronics Kit, and NI myRIO Embedded Systems Kit. Each project concentrates on a specific component or device using a mixture of text and video to guide the student through the learning process necessary to successfully integrate the component or device into the student's system.