



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

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L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REPORT OF Online FDP on "A Webinar on LabVIEW programming for Real Time Applications" using Microsoft Teams

Event Type : FACULTY DEVELOPMENT PROGRAM (Webinar)

Date / Duration : 01-07-2020 (11.30 A.M to 1 P.M)

Resource Person : **B.V.N.R.Siva Kumar**, Associate Professor, ECE Department, LBRCE,
V.V.Rama Krishna, Associate Professor, ECE Department, LBRCE,

Name of Convener : Dr. Y. Amar Babu, professor & HoD

Name of Coordinator : Dr.P.Lachi Reddy, Professor

Target Audience : Faculty and Students

Total no of Participants: 259

Objective of the event: The objective of this Webinar is to make use of the LabVIEW which is a emerging software which can be used in various domains of knowledge.

Outcome of event :

- 1)The faculty can be able to design innovative projects using LabVIEW.
- 2)The Faculty can be able to get knowledge on Research Publication process.

Description / Report on Event:

LabVIEW (Laboratory Virtual Instrument Engineering Workbench) is a graphical programming environment which has become prevalent throughout research labs, academia and industry. It is a powerful and versatile analysis and instrumentation software system for measurement and automation. Its graphical programming language called G programming is performed using a graphical block diagram that compiles into machine code and eliminates a lot of the syntactical details. LabVIEW offers more flexibility than standard laboratory instruments because it is software based. Using LabVIEW, the user can originate exactly the type of virtual instrument needed and programmers can easily view and modify data or control inputs. The popularity of the National Instruments LabVIEW graphical dataflow software for beginners and experienced programmers in so many different engineering applications and industries can be attributed to the software's intuitive graphical programming language used for automating measurement and control systems.

Building on information taught in LabVIEW Core 1, Data Acquisition and Signal Conditioning training teaches the fundamentals of PC-based data acquisition and signal conditioning. Students learn how to perform different types of acquisition and to identify the correct sensor for their measurements. Students also discuss signal conditioning fundamentals and install and configure hardware in classroom-based courses.

NI myRIO is a revolutionary hardware/software platform that gives students the ability to "do engineering" and design real systems more quickly than ever before. Complete with the latest Zynq integrated system-on-a-chip (SoC) technology from Xilinx, the NI myRIO boasts a dual-core ARM® Cortex™-A9 processor and an FPGA with 28,000 programmable logic cells, 10 analog inputs, 6 analog outputs, audio I/O channels, and up to 40 lines of digital input/output (DIO). Designed and priced for the

academic user, NI myRIO also includes onboard WiFi, a three-axis accelerometer, and several programmable LEDs in a durable, enclosed form factor.

Feedback / Suggestions :

- 1. The Webinar is useful session.
- 2. It will be used in Academics
- 3. Very Good

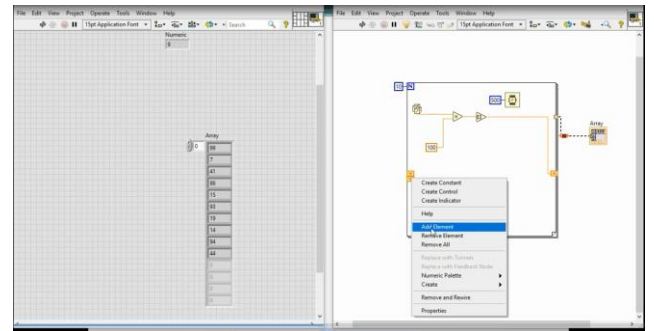
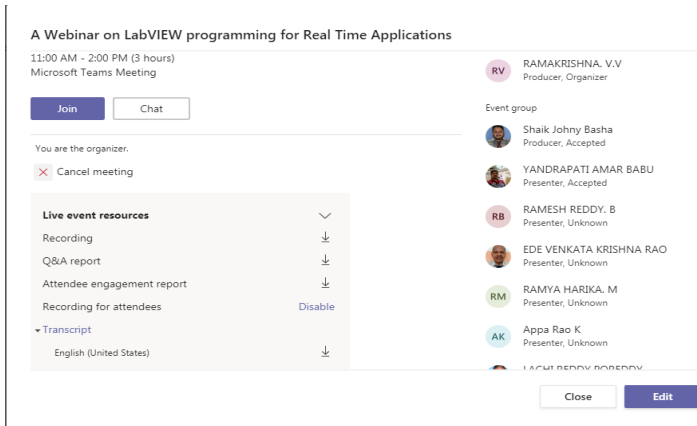
Photographs :



Addressing by HOD Dr Y.Amar Babu



Presentation By Resource person **B.V.N.R.Siva Kumar**



Presentation By Resource person **V.V.Rama Krishna**

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Online Link Of Webinar