



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

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

LABVIEW CENTRE OF EXCELLENCE

Report on the event

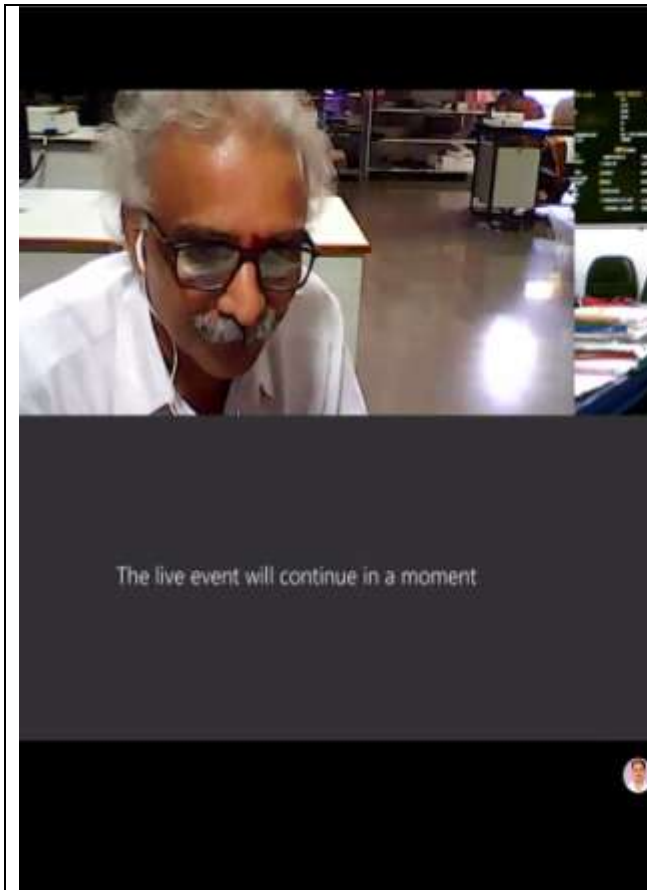
REMOTE ENGINEERING EDUCATION IN NEW NORMAL

Event Type	:	WEBINAR
Date / Duration	:	@ 11.30 am on 01-10-2020 as MICROSOFT TEAMS LIVE EVENT
Resource Person	:	Visveswaran Jagadeesan, Territory Manager (Academic Programs – South India), National Instruments NI, Bangalore and B V N R Siva Kumar, I / C LABVIEW COE, LBRCE, Mylavaram
Target Audience	:	LABVIEW Academies from Andhra Pradesh, Telangana, Tamilnadu, Karnataka and Kerala
Total no of Participants:		LABVIEW Incharges & Faculty Members: 96 Nos.
Objective of the event:		To initiate the Concept of REMOTE LABS
Outcome of event	:	Colleges started using NI Hardware to implement REMOTE LABS

Description / Report on Event:

Inspired by “ VIRTUAL LABS developed by IITs,”, concept of Remote Labs was demonstrated in the College with NI Hardware. The same concept was discussed with Mr. Visveswaran to plan for a Webinar. This was realised in a short time as a WEBINAR (for LABVIEW CENTERS ONLY) on “ REMOTE ENGINEERING EDUCATION IN NEW NORMAL “ by LABVIEW COE and National Instruments, Bangalore . This was conducted from 11.30 AM to 01.40 PM on 01-10-2020, though as it was scheduled till 1 PM. This was arranged as a LIVE EVENT in MICROSOFT TEAMS. Ninety six (96) people belonging to LABVIEW Centres from different states were registered for this event. Webinar was graced with Principal Dr. K. APPARAO Sir's address explaining the importance of REMOTE LABS in the present Scenario. Mr Visveswaran.J from NI (India) in his 40 minute session has explained about MULTISIM online and ELVIS III platform to gain practical experience in this Covid and post Covid era. Continuing this, B V N R Siva Kumar I/C LABVIEW COE in his 60 minute session has explained the concept of Remote Labs. As the Lab Experiments are conducted with virtual instruments in regular Lab sessions from last Two years, the same is shared to students and given CONTROL in Microsoft Teams. Thus, a student varies the parameters and monitors the results. All other students could view the same and the control is transferred to another student, covering all Batches in a Section. For this, a System is connected to the experimental setup / KIT by a MyDAQ / ELVIS / C-RIO Modules. Students could practice till the system is ON. ECE, EEE and Mech Departments have participated and demonstrated their Experimental Setups. Professor M V GIRIDHAR from EEE, V V Rama Krishna and M Ramya Harika from ECE and CH Siva Sankara Babu from ME took part in this session. P N S Vitthal of ECE and D Naresh of LABVIEW COE took part in testing and Demonstration during WEBINAR.

Photographs:



Principal Dr K Appa Rao Sir's Address

LBRCE, MYLAVARAM, ANDHRA
PRADESH
&
NATIONAL INSTRUMENTS,
BANGALORE

SESSION ON 01-10-2020

11.30 AM – 01.00 PM

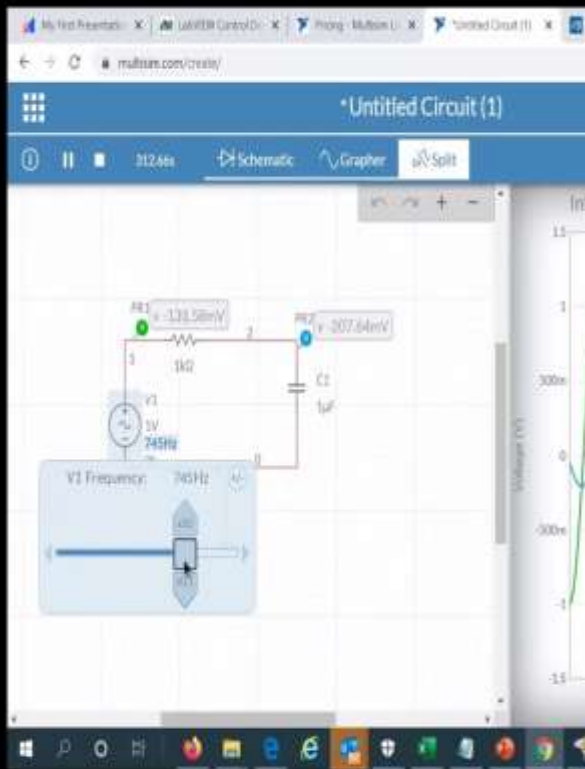
IN MICROSOFT TEAMS

PRESENTERS

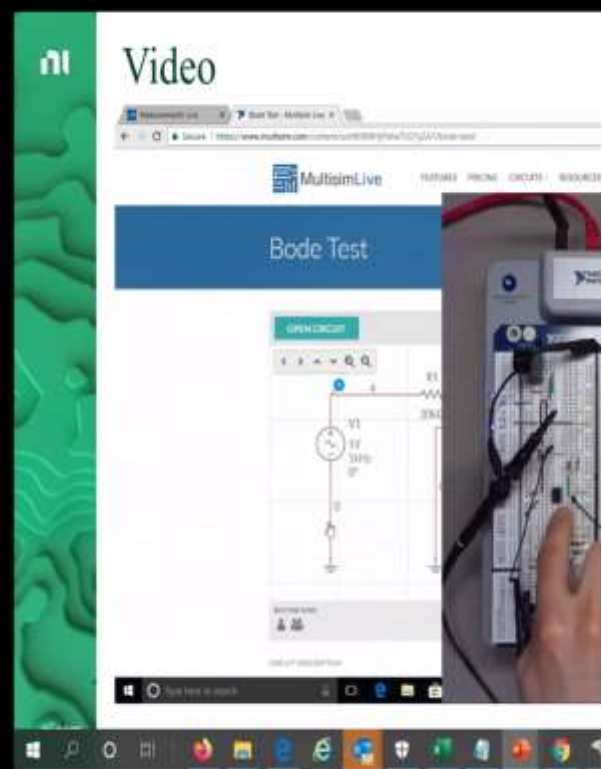
VISVESWARAN JAGADEESAN
&
BV N R SIVA KUMAR

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Webinar Details



Multisim Online



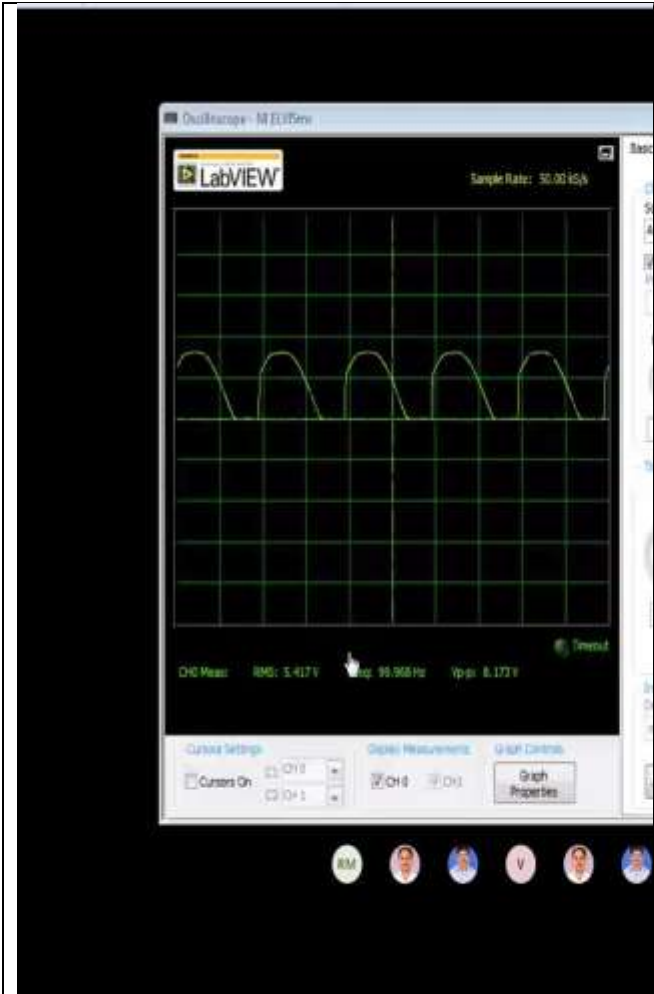
ELVIS – III Cloud Base



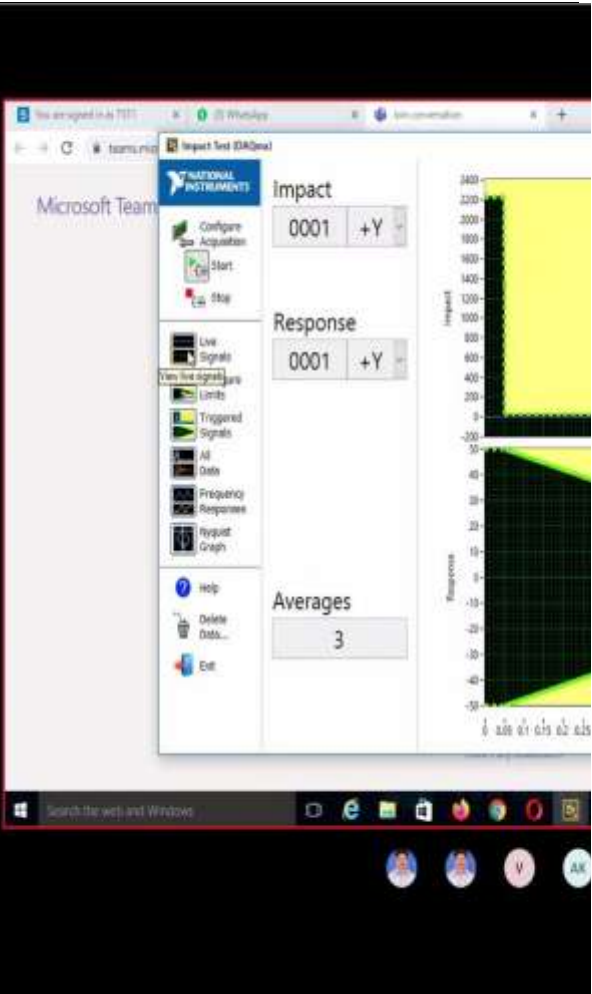
AC Lab – Frequency Modulation



PDC Lab – High Pass Filter



PE Lab – AC Control



Impact Test (IADDev)



Q & A Session

VISWESWA RAN J

Territory Manager
(Academic Programs – South
India),
NI Bangalore

Focus on introducing academia to "Do
Engineering" so that students can solve 21st
century system design challenges with
industry-ready skills and competencies

Works closely with students & encourages
them to become enterprises

B V N R SIVA KUMAR

Associate Professor, Department of ECE,
LAKIREDDY BALI REDDY COLLEGE OF
ENGINEERING, Mylavaram, ANDHRA PRADESH

INTRODUCING VIRTUAL INSTRUMENTS TO THE
STUDENTS OF ALL BRANCHES AND GUIDING
STUDENTS TO WORK ON REAL TIME PROJECTS,
GETTING READY FOR THE FUTURE

IN-CHARGE OF LABVIEW COE FOR 9 YEARS
WITH 10 YEARS OF INDUSTRIAL EXPERIENCE
AND 23 YEARS OF TEACHING EXPERIENCE

Resource Persons