



**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**

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

### **GUEST LECTURE ON “APPLICATIONS OF LABVIEW/MULTISIM/myDAQ”**

Event Type : Guest lecture  
Date / Duration : 10.02.2020, forenoon  
Resource Person : Mr.Namgiri Suresh, Associate professor of ECE, KL University  
Name of Coordinator : Dr.M.Venkata Sudhakar  
Target Audience : B.Tech ECE 2<sup>nd</sup> year students  
Total no of Participants: 40

**Objective of the event:** To provide knowledge on how to use multisim/myDAQ concepts in development of mini and major academic projects.

**Outcome of event** : Students can able to do labview-myDAQ and multisim based mini and Major projects. Further, the students will gain knowledge on hardware development.

#### **Description / Report on Event:**

Electronics and Communication Engineering (ECE) department, Lakireddy Bali Reddy College of Engineering, Mylavaram, and Institution of Electronics and Telecommunication Engineers (IETE) students chapter is jointly organized the guest lecture on Applications of Labview/Multisim/myDAQ.

The guest lecture began with inaugural function by Dr.Y.Amar babu, Head , Department of ECE, and Mr.Namgiri Suresh, Associate professor of ECE, KL University in labview center on 10.02.2020. Dr.Y.Amr babu highlighted the significance of the guest lecture. It was mentioned that the students should be equipped with additional knowledge to face the competitive world. Resource person Mr.Namgiri Suresh presented the concepts of myDAQ and Multisim with its applications in project development. The program ended by asking students to effectively utilize the learned concepts in real time.

#### **Feedback / Suggestions :**

1. More explanation is required with hardware components.
2. It would be better if it is full day or two day workshop.
3. More explanation is needed with suitable examples



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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### A Five Day Training on Labview

#### Labview Registered Students

S.no	Student Reg. No	Student Name	Phone number	Mail id
1.	18761A0410	Dasa Oohasri	6304282446	oohasri2407@gmail.com
2.	18761A0413	Gudipati Padmaja Nirmala	9492328199	sirigudipati2001@gmail.com
3.	18761A0430	Mettu Ashok Kumar	6302743670	mettuashokkumar965@gmail.com
4.	18761A0431	Mulem Vasanthi	6304062123	vasanthimulemvm@gmail.com
5.	18761A0436	Pendem Bhavana	6300807378	pendembhavana0924@gmail.com
6.	18761A0437	Ravuru Akkala Siva Keerthi	9603995698	sivakeerthi.2121@gmail.com
7.	18761A0440	Sappa Yamini Sowmya	9100234969	sappays005@gmail.com
8.	18761A0442	Shaik Bademiya	9010632861	800bademiya@gmail.com
9.	18761A0444	Shaik Sajida	6304331756	shaiksaidaahmed@gmail.com
10.	18761A0449	Tummepalli Venkata Preethika Lahari	9100242065	preethikalaharitummenepalli@gmail.com
11.	18761A0455	Vinjamuri S L S Iswarya	8688554760	sllswaryavinjamuri@gmail.com
12.	18761A0456	Vishwanath Ishwarya	9493625416	vishwa.ishwarya.06@gmail.com
13.	18761A0459	Yenuga Lavanya	6304323279	yenugalavanya@gmail.com
14.	18761A0460	Alla Reshma	8499988892	reshmaalla4202@gmail.com
15.	18761A0464	Bethalam Venkata Siva Sai Greeshma	9550932706	greeshmaevergreen2001@gmail.com
16.	18761A0466	Cherukuvada Lokesh	8096012431	cherukuvadalokesh@gmail.com
17.	18761A0468	Chirumamilla Siva Sai Kumar	8501969799	ssk557799@gmail.com
18.	18761A0472	Doppalapudi Sai Dinesh	8374517759	saidineshdoppalapudi111@gmail.com
19.	18761A0473	Eda Deeksha	9014998894	deekshaeda@gmail.com
20.	18761A0475	Gopi Ujwala Devi	9032533230	ujwalagopi2000@gmail.com
21.	18761A0476	Himaja Anumola	9494267799	vh8662883699@gmail.com

22.	18761A0482	Kolavennu Venkata Naga Divya Sri	7997012737	divyakolavennu23282@gmail.com
23.	18761A0488	Manchu Surya Pravallika	6304244907	manchsurya123@gmail.com
24.	18761A0489	Masanam Subrahmanya Swamy	6303819626	subrahmanyamasanam143143@gmail.com
25.	18761A0497	P.Pavani	8499049348	Pavanipilli553@gmail.com
26.	18761A0499	Pitchuka Bindu Madhavi	8106858759	bindumadhavi258@gmail.com
27.	18761A04B2	Vemavarapu Sowjanya	9059818836	sowjanyavemavarapu32@gmail.com
28.	18761A04B3	Vemulakonda Divya	8688732626	vemulakondadivya78@gmail.com
29.	18761A04B8	Yendrapati Niritha	9290099451	yniritha1123@gmail.com
30.	18761A04C4	Borra Snehitha	6300413733	borrasnehitha2001@gmail.com
31.	18761A04C7	Challa Venkata Lakshmi Durga Kavya	9491034323	kavyasonu109@gmail.com
32.	18761A04D0	Devarapalli Anitha	9951530147	anithareddy95530@gmail.com
33.	18761A04D1	Devika Ch	9100574465	chilukuridevika@gmail.com
34.	18761A04D7	Harshitha Tekkem	7981997080	roneyharshithatekkem@gmail.com
35.	18761A04E7	Konatham Mounika	9346836060	mounikakonatham95@gmail.com
36.	18761A04E9	Kudumula Srilatha	9121887971	srilathakudumula30@gmail.com
37.	18761A04F2	Mediboyina Venkata Swapna	6303665763	mwarna235@gmail.com
38.	18761A04F3	Medisetti Kesava Sai Padma Priya	9949978298	venkatsaileelabhavani@mail.com
39.	18761A04F7	Naredla Josna	6304552247	joshnanaredla@gmail.com
40.	18761A04G4	Popuri Sindhura	6303503736	psindhura4@gmail.com

Photographs :

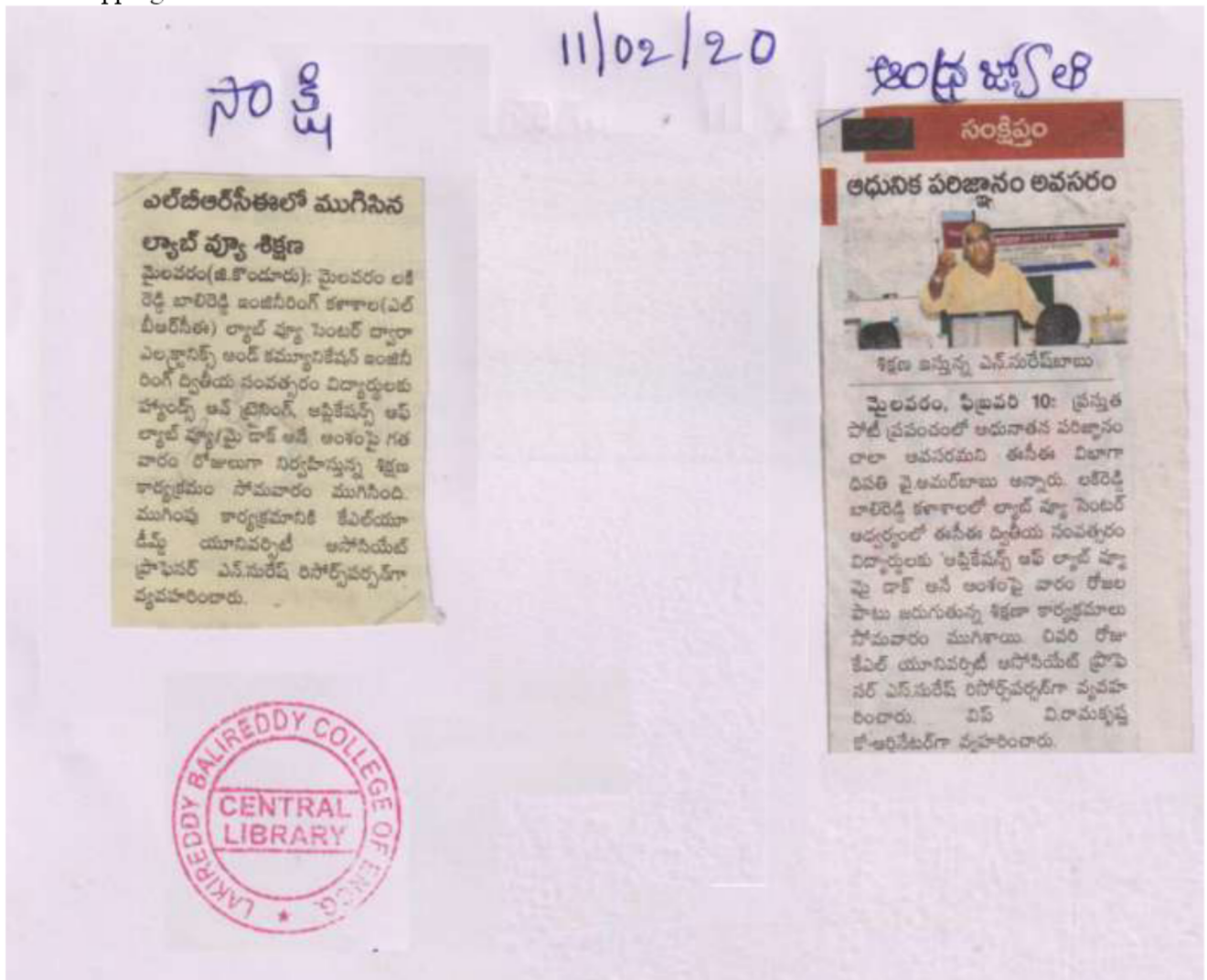


Guest lecture by Mr. Namgiri Suresh, Associate professor of ECE, KL University



participants

Press Clippings





# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

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

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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### REPORT of Online Workshop on "EDA Tools for Technical Staff" Using Microsoft Teams

Event Type : Technical Training for Non Teaching Staff

Date / Duration : 04.05.2020 to 08.05.2020 (Five Days)

Resource Person : **Dr. G L N Murthy**, Professor, ECE, LBRCE, Mylavaram  
**Mr. V V Rama Krishna**, Assoc. Prof, ECE, LBRCE, Mylavaram  
**Mr. B V N R Siva Kumar**, Assoc. Prof, ECE, LBRCE, Mylavaram  
**Mr. T Anil Raju**, Assoc. Prof, ECE, LBRCE, Mylavaram  
**Mr. G Venkata Rao**, Assoc. Prof, ECE, LBRCE, Mylavaram  
**Mr. P Rakesh Kumar**, Sr. Asst. Prof, ECE, LBRCE, Mylavaram

Name of the Convener: **Dr. Y Amar Babu**, Prof. & HOD, ECE, LBRCE, Mylavaram

Name of Coordinator : **Mr. M K Linga Murthy**, Sr. Assistant Professor, ECE, LBRCE, Mylavaram

Target Audience : ECE, EEE and EIE Technical Supporting Staff

Total no of Participants: 137 (Internal Count=11 & External Count=126)

**Objective of the event** : To objective of this workshop is train the Technical Supporting Staff on Electronic Design Automation tools so that the technical supporting staff can design lab experiments and conduct the lab sessions smoothly for the students.

**Outcome of event** : After Completion of the workshop the participants are able to

- ✓ Design various lab experiments using Xilinx and Mentor Graphics tools.
- ✓ Design various lab experiments using LABVIEW tools.
- ✓ Design various lab experiments using HFSS tools.
- ✓ Design various lab experiments in communications lab using simulation tools.
- ✓ Design various lab experiments using Mat Lab

#### **Description / Report on Event:**

- Day one of the workshop started with the Inauguration Function, in which HOD, Coordinator and resource persons presented their views on the importance and objective of conducting the Workshop and motivated all the participants to effectively utilize all the sessions and become expertise on various tools.
- On Day - 1, the resource person Mr. G.Venkata Rao, have given the presentation on how to Implement the experiments in VHDL and Verilog software using Xilinx and Mentor Graphics tools.

- On Day - 2, the Principal Dr. K Apparao sir will presented his views on the workshop then the resource persons Mr. V. V. Ramakrishna and Mr. B. V. N. R. Siva Kumar have shown the usage of LABVIEW tools in conduction of various experiments using virtual instruments and also presented the importance of myDAQ and myRIO.
- On Day - 3, R&D Dean of LBRCE, Dr. E V Krishna Rao sir share some knowledge about the workshop for few minutes then the resource person Mr. P Rakesh Kumar, with demonstration on fundamentals of various Antennas and how to design the patch antenna using HFSS simulation tool.
- On Day - 4, IQAC coordinator of LBRCE, Prof. B Ramesh Reddy sir will presented his views related to workshop objective and then the resource person Dr. G L N Murthy, presented on how to design new experiments related to communication lab and also presented on Comsim-Simulation of Communication concepts.
- On Day - 5, the resource person Mr. T Anil Raju, presented on Basic Mat Lab software environment and how to design and execute a experiments in Mat Lab related to signal processing concepts.
- The sessions have proven to be very inspiring and informative for the technical staff.
- The program ended by advising faculty members to effectively utilize the learned concepts in laboratory environment.

#### Feedback / Suggestions:

- ❖ Conduct more number of workshops on similar advanced tools.
- ❖ Conduct exclusively one workshop related to hardware related.
- ❖ Improve the quality of audio.

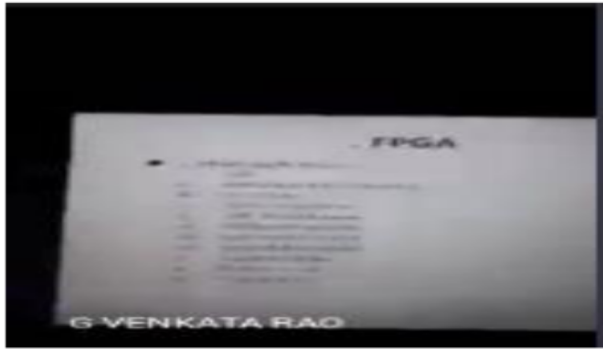
#### Photographs :



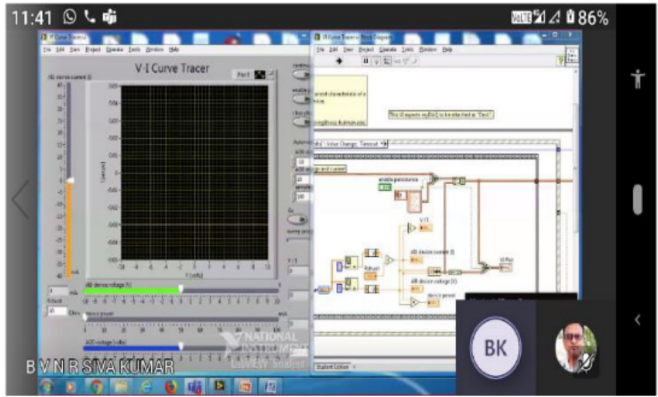
Addressing by HOD  
**Dr Y.Amar Babu**



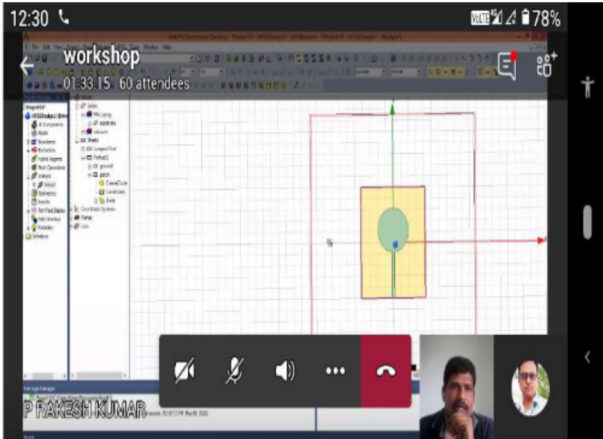
Addressing by Principal  
**Dr K. Appa Rao**



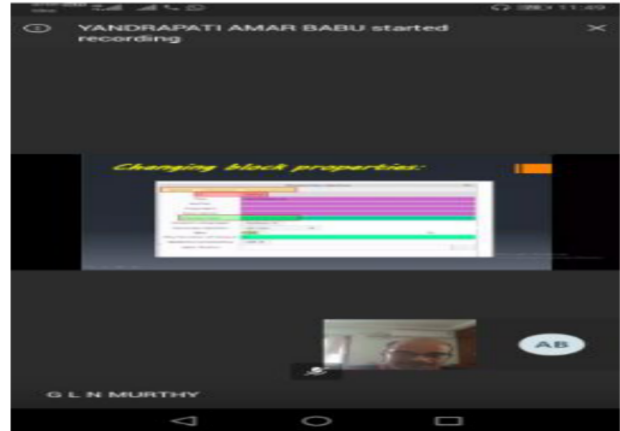
Presentation By Resource Person  
**Mr. G Venkata Rao**



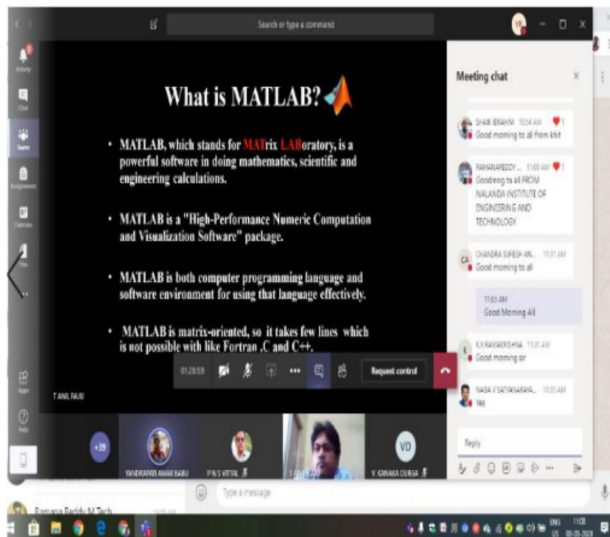
Presentation By Resource Person  
**Mr. B V N R Siva Kumar**



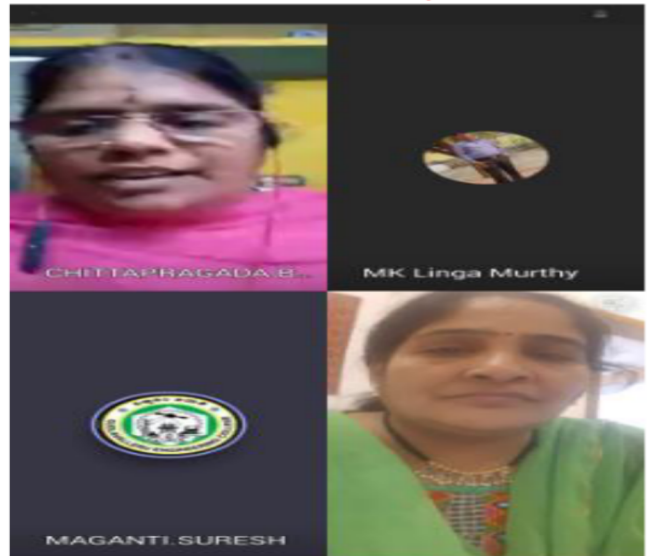
Presentation By Resource Person  
**Mr. P Rakesh Kumar**



Presentation By Resource Person  
**Dr. G L N Murthy**



Presentation By Resource Person  
**Mr. T Anil Raju**



Feedback given by various Participants



**Sample E-Certificate to Participants**





## **“A Five Day In-House Training Programme on Labview”**

**19th- 24th August, 2019**

**Venue: NI LabVIEW Laboratory**

**Organized by**

**Department of Electronics and Communication Engineering**



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B Reddy Nagar, Mylavaram -521 230, Krishna District, Andhra Pradesh.



LabVIEW

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L. B Reddy Nagar, Mylavaram-521 236, Krishna District, Andhra Pradesh.

**“Five Day In House Training Program on LABVIEW”**

(19-08-2019 to 24-08-2019)



<b>Resource Persons</b> Department.	: B.V.N.R. Siva Kumar, Associate Professor, ECE V.V.Rama Krishna, Associate Professor, ECE Department.
<b>Professor In charge</b>	: Dr.P.Lachi Reddy, Professor, ECE Department
<b>Target Students</b>	: III B.tech
<b>Total no of Participants</b>	: 46
<b>Fee for each student</b>	: FREE

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## **“Five Day In House Training Program on LABVIEW”**

(19-08-2019 to 24-08-2019)

### **About the Program**

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.

Signature Of Coordinator

HEAD OF DEPARTMENT

**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**  
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L B Reddy Nagar, Mylavaram-521 230, Krishna District, Andhra Pradesh.

Date: 06-08-2019

To  
The Principal,  
LBRCE, Mylavaram

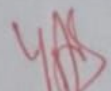
Respected sir,

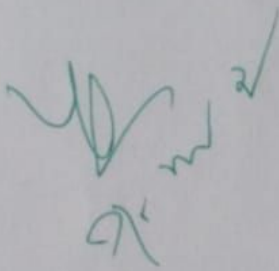
SUB: Permission to conduct LabVIEW Training for V-Sem students of all branches – Reg.

With respect to the subject cited above, the Department of ECE is planning to conduct NI LabVIEW training programme from 19<sup>th</sup> Aug. 2019 to 23<sup>rd</sup> Aug. 2019. The training will help the students to get the CLAD (Certified LabVIEW Associate Developer) certification from NI LabVIEW. V-Sem students without backlogs and having CGPA 8.5 and above are eligible for attending the training. Training is free for all the V-Sem students but they have to attend the CLAD certification exam by paying the required fee. Interested V-Sem students may register for the NI LabVIEW training programme through respective HODs. The registered students list is to be forwarded to the HOD, ECE on or before 13<sup>th</sup> Aug. 2019. In this regard I request you to kindly permit us to conduct the training programme for the benefit of the V-Sem students.

Thanking you sir.

Yours sincerely

  
HOD, ECE



# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

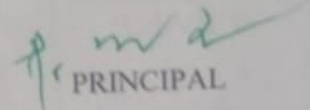
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L B Reddy Nagar, Mylavaram-521 230, Krishna District, Andhra Pradesh.

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## Circular

Date: 06-08-2019

All the V-Sem students are informed that, the Department of ECE is planning to conduct NI LabVIEW training programme from 19<sup>th</sup> Augst, 2019 to 23<sup>rd</sup> August, 2019. The training will help the students to get the **CLAD (Certified LabVIEW Associate Developer)** certification from NI LabVIEW. V-Sem students without backlogs and having CGPA above 8.5 are eligible for attending the training. Training is free for all the V-Sem students, but they have to attend the CLAD certification exam by paying the required fee. Interested V-Sem students may register for the NI LabVIEW training programme through respective HODs. The registered students list is to be forwarded to the HOD, ECE on or before 13<sup>th</sup> August, 2019.

  
PRINCIPAL

CC: All HODs & Deans

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**“Five Day In House Training Program on LABVIEW”**

(19-08-2019 to 24-08-2019)

**REGISTERED STUDENTS**

S.No	NAME OF STUDENT	ROLL NUMBER	Mail Id
1	E.Vamsi	17761A0408	eedevamsi@gmail.com
2	K.Teja Sree	17761A0414	kalidinditejasree@gmail.com
3	K.Dharani	17761A0418	dharanix1999@gmail.com
4	K.Bhargavi	17761A0419	bhagiii666@gmail.com
5	M.Siva Reddy	17761A0425	sivareddyeva15@gmail.com
6	M.Udaya Naga Bhagyasri	17761A0434	udayamodugu999@gmail.com
7	N.Jahnavi	17761A0438	jahnnavinandeti616@gmail.com
8	P.Sathwik	17761A0447	sathwikraj47@gmail.com
9	G.Catherine Christina	17761A0468	christina1999ganduri@gmail.com
10	Ch.Priyadarshini	17761A0470	priyadarshinicheeli@gmail.com
11	K.Y.Sai Priya	17761A0474	kajayaamya@gmail.com
12	K.Poorna Durga	17761A0481	poorna.kurapati08@gmail.com
13	M.Soniyaz	17761A0485	mehaksoniyaz1999@gmail.com
14	N.Alekhya	17761A0497	nilagirialekhya@gmail.com
15	Sk.Sabiha	17761A04A7	shaiksabiha639@gmail.com
16	Ch.Sreevalli	17761A04B0	sreevallichallapalli@gmail.com
17	T.Sowjanya	17761A04B2	sowjanyaathammini99@gmail.com
18	Y.Nikhitha	17761A04C0	yamalinikhitha123@gmail.com
19	Ch.Padmini	17761A04D1	padduchinnari25@gmail.com
20	D.Swapna	17761A04D6	s07101999@gmail.com
21	G.Tejaswini	17761A04D9	gtejaswini163@gmail.com
22	K.V.S.Manasa	17761A04E3	manasarinivas3127@gmail.com
23	M.Lohitha	17761A04F0	lohimandapati@gmail.com
24	M.Jeevani	17761A04F1	jeevanimaram77@gmail.com
25	N.Meghana	17761A04F8	meghanapreethi211@gmail.com
26	P.Jacquiline	17761A04G0	jacquilinepallepam@gmail.com
27	P.Kusuma	17761A04G3	pikkikusuma1999@gmail.com
28	S.V.Shilpa	17761A04G7	vijayashilpasanagala99@gmail.com
29	Sk.Halima	17761A04H0	halima29101999@gmail.com
30	U.Preethi	17761A04H2	preethiuppuluri123@gmail.com
31	V.Divya	17761A04H6	divyavarikuti938@gmail.com
32	Y.Manasa	17761A04H7	manasayadala4@gmail.com
33	B.Vasanthi	18765A0425	vasanthibudeti4543@gmail.com
34	D.Nandini	18765A0426	nandu.dangeti@gmail.com
35	A.Sai Meenakshi	17761A1001	meena.akurati765@gmail.com
36	B.Jaya Annapurna	17761A1002	anusudhakar47@gmail.com
37	E.Nalini Priya	17761A1007	nalinipriya010230@gmail.com

38	G.Rajasree	17761A1011	rajasree.gogulamudi123@gmail.com
39	G.Divya	17761A1012	vasanthagogulapati@gmail.com
40	G.Medhini	17761A1015	medhinigudavalli77@gmail.com
41	K.Oohasri	17761A1021	oohasuresh@gmail.com
42	M.Sai Sowmya	17761A1029	sowmyanandu333@gmail.com
43	P.Vamsikrishna	17761A1034	ravikishorepola@gmail.com
44	S.Pavani	17761A1040	sidhamsettipavani1236@gmail.com
45	V.L.Naga Sai	17761A1044	likhithavalluri@gmail.com
46	A.D. Vara Prasad	18765A1001	durgaprasadappikatla18@gmail.com

Signature Of Coordinator

HEAD OF DEPARTMENT

Date: 19/8/19 to 24/8/19

NI Lab

Training programme

Student Details

S.No	Name of the Student	Roll No.	Phone Number	Mail ID.
1.	E. Vamsi	17761A0408	9848531758	esdevamsi@gmail.com
2.	K. Teja Sree	17761A0414	7036075422	Kalidinditejasree@gmail.com
3.	K. Dhanani	17761A0418	9010733429	dhanani1999@gmail.com
4.	K. Bhargavi	17761A0419	7032423516	bhargavi66@gmail.com
5.	M. Siva Ramakrishna Reddy	17761A0425	9848881593	Sivareddycv15@gmail.com
6.	M. Udaya Naga Bhargavi	17761A0434	9398637261	Udayamoduguru999@gmail.com
7.	N. Jahnavi	17761A0438	8074653364	Jahnavinandeti616@gmail.com
8.	P. Sathwik	17761A0447	8008960273	Sathwikbaj47@gmail.com
9.	G. Catherine Christina	17761A0446	9494531365	christina1999ganduri@gmail.com
10.	Ch. Anjadarshini	17761A0470	7989936056	prajadarshinicheeti@gmail.com
11.	K. Yaamyaa Sai Priya	17761A0474	8919381383	kajayaamyaa@gmail.com



Phone Number

Mail ID.

S.No	Name of the student	Roll No.	Phone Number	Email ID.
12.	K. poorna Aurga	17761A0481	8179498190	poorna.kurapatios@gmail.com
13.	M. Soniyaz	17761A0485	8639585114	mebak_soniyaz1999@gmail.com
14.	N. Alekhya	17761A0497	9441368891	nilagiri.alekhya@gmail.com
15.	Sk. Sabha	17761A04A7	7702543487	Shaik Sabha.639@gmail.com
16.	Sreevalli.ch	17761A04B0	9441461814	Sreevallichallapalli@gmail.com
17.	T. Sowjanya	17761A04B2	9398917170	Sowjanya.thermineni99@gmail.com
18.	Y. Nikhitha	17761A04C0	9398432993	yavalini.khitha.123@gmail.com
19.	K.V.S. Manasa	17761A04E3	9182653613	manasa.srinivas3127@gmail.com
20.	G. Tejaswini	17761A04D9	6304847622	gtejaswini163@gmail.com
21.	M. Lohitha	17761A04F0	7036590440	lohimandapati@gmail.com
22.	N. Meghana preethi	17761A04F8	9247124434	meghanapreethi211@gmail.com
23.	P. Jacqueline	17761A04G0	6301518366	jacquiline.pallepam@gmail.com
24.	P. Kusuma	17761A04G3	6303362329	pikkikusuma1999@gmail.com

	Roll No.	Name	Phone Number	Mail ID
25.	17761A04G7	S. Vijaya Shilpa	9885131985	vijayashilpasanaga1999@gmail.com
26.	17761A04H0	SK. Halima	6304375354	Halima29101999@gmail.com
27.	17761A04H2	U. Preethi	9666908223	Preethiuppuluri123@gmail.com
28.	17761A04H6	V. Divya	9381863839	divya.varikuti938@gmail.com
29.	17761A04H7	Y. Manasa	6302221476	manasayadala4@gmail.com
30.	18765A0425	B. Vasanthi	7981318218	vasanthibudeti4543@gmail.com
31.	18765A0426	D. Nandini	9640531876	nandu.dangeti@gmail.com
32.	17761A04D6	D. Swapana	9493568489	ds07101999@gmail.com
33.	17761A04F1	M. Jeevani	9121336567	jeevanimaravath@gmail.com
34.	17761A04Q3D1	ch. Padmini	7013049744	padduchinnari25@gmail.com
35.	17761A1001	A.S. Meenakshi	8317649282	meena.akurati756@gmail.com
36.	17761A1002	B.J. Annapurna	9441495666	anusudhakas47@gmail.com

S.No	Name of the student	Roll No.	Phone Number	Mail ID
37.	E. Nalini Priya	17761A1007	8047791051	naliniPriya010330@gmail.com
38.	G. Rajasree	17761A1011	6281937049	rajasree.gogulamudi123@gmail.com
39.	G. Divya	17761A1012	7661072636	vasanthagogulapati@gmail.com
40.	G. Medhini	17761A1015	8096314522	medhinigudavalli77@gmail.com
41.	K. Ooha Sri	17761A1021	6301799400	Ooha Suresh@gmail.com
42.	M. Sai Soumya	17761A1029	9154077997	Soumyanandu33@gmail.com
43.	P. Vamsi Krishna	17761A1034	9704967471	vamsi.shore.pola@gmail.com
44.	S. Pavani	17761A1040	9603303865	Siddhamrathi.pavani1236@gmail.com
45.	V. Likhitha Nagasai	17761A1044	8688663236	Likhitha.valluri@gmail.com
46.	A. Durga Vara Prasad	18765A1001	9133758836	durgaprasad.appikarla18@gmail.com



# 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

## DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENGINEERING

### REPORT ON

### HANDS ON TRAINING ON ELECTRONIC DESIGN AUTOMATION TOOLS

**Event Type:** Workshop for Technical Supporting Staff

**Date / Duration:** 21<sup>st</sup> – 23<sup>rd</sup> November, 2019.

**Resource Persons:**

1. Mr. G. Venkata Rao, Associate Professor
2. Mr. V. V. Ramakrishna, Associate Professor
3. Mr. B. V. N. R. Siva Kumar, Associate Professor
4. Mr. P. Rakesh Kumar, Sr. Assistant Professor

**Name of the Coordinator:**

1. Dr. P. Lachi Reddy, Professor & ISTE Chapter Coordinator
2. Dr. Y. S. V. Raman, Professor

**Audience:** ECE, EEE and EIE Technical Supporting Staff

**Total Number of Participants:** 21

**Objective of the Event:** To train the Technical Supporting Staff on Electronic Design Automation tools so that the technical supporting staff can design lab experiments and conduct the lab sessions smoothly for the students.

**Outcome of the Event:** The participants are able to

1. Design various lab experiments using Xilinx and Mentor Graphics tools.
2. Design various lab experiments using LABVIEW tools.
3. Design various lab experiments using HFSS tools.

### **Description / Report on Event:**

Day one of the workshop started with the Inauguration Function, in which Principal, HOD, Co-ordinators and other dignitaries presented their views on the importance and objective of conducting the Workshop and motivated all the participants to effectively utilize all the sessions and become expertise on various tools.

The resource person Mr. Venkata Rao, Associate Professor, have given the presentation on “Xilinx and Mentor Graphics tools”. And conducted the hands on training session.

During day two, the resource persons Mr. V. V. Ramakrishna and Mr. B. V. N. R. Siva Kumar have shown the usage of LABVIEW tools and conducted hands on session.

Day three started by the resource person Mr. P. Rakesh Kumar Sr. Assistant Professor, with demonstration on fundamentals of various Antennas and HFSS tools. Conducted the hands on session on designing of various Antennas.

### **Feedback / Suggestions:**

1. Good hospitality
2. More number of workshops on similar advanced tools

**Photographs:**



Addressing by HOD Dr. Y. Amar Babu



Addressing by ISTE Coordinator Dr.Lachi Reddy



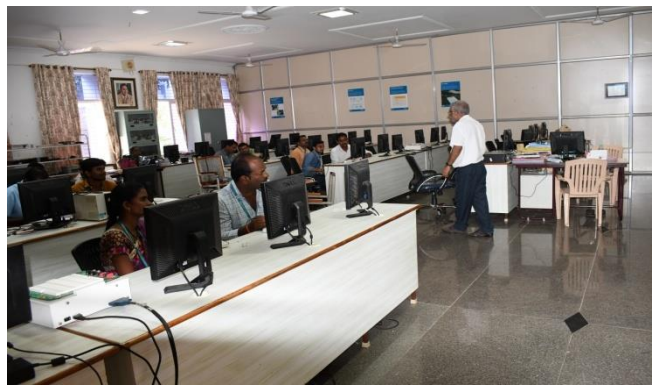
Addressing by Coordinator Dr. Y.S.V. Raman



HOD & Coordinators with Participants



Day-1 Session: Mr. G. Venkata Rao



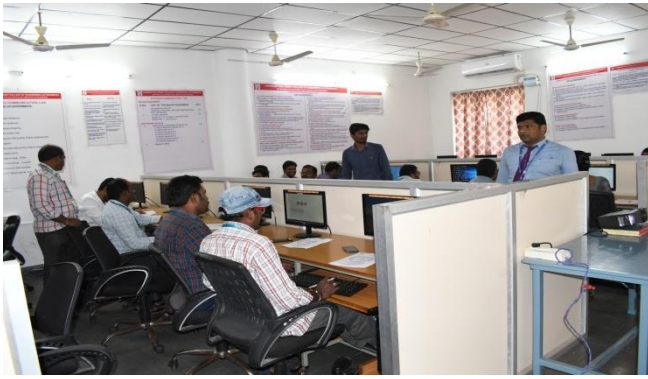
Day-2 Session: Mr. B. V. N. R. Siva Kumar



Day-2 Session: Mr. V. V. Ramakrishna



Day-2 Resource Persons with Participants



Day-3 Session: Mr. P. Rakesh Kumar



Day-3 Resource Person with Participants

**Press Clippings:**

ఆంధ్ర జ్యోతి 22/11/19 ఆంధ్ర రుచి

### సాంకేతికతపై పట్టు సాధించాలి

పర్యటనలో పాల్గొన్న ప్రొద్దుపాటి సీబిబి

మైలవరం, నవంబరు 21: ఆధ్యాపకేతర సిబ్బంది నూతన సాంకేతిక పరిజ్ఞానం, ఆంధ్రలో ఉపయోగించే వస్తువులపై అవగాహన పెంచుకుని పట్టు సాధించాలని ఎలీజీఎస్ఐఈ ప్రొద్దుపాటి డాక్టర్ కె.అప్పారావు సూచించారు.

లక్కిరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాలలో ఈసీఈ, ఎఎన్టీఈ డాక్టర్ సంయుక్త ఆధ్వర్యంలో హ్యాండ్స్ ఆన్ ట్రైనింగ్ ఆన్ ఈజీడి టూల్స్ అనే అంశంపై టెక్నికల్ సపోర్టింగ్ స్టాఫ్ గురువారం సుందరి మూడు రోజులు వర్క్ షాప్ నిర్వహిస్తున్నారు. టెక్నికల్ సపోర్టింగ్ స్టాఫ్ పలు అంశాలపై ప్రొద్దుపాటి అవగాహన కల్పించారు. ఈ కార్యక్రమంలో ఈసీఈ విభాగాధిపతి డాక్టర్ వై.అమర్ బాబు, కో-ఆర్డినేటర్ డాక్టర్ పి.లక్ష్మిరెడ్డి, రిసోర్స్ పర్సన్ జి.వెంకట్రామ్ తదితరులు పాల్గొన్నారు.

### ఎలీజీఎస్ఐఈ టెక్నికల్ స్టాఫ్ కు అవగాహన

మైలవరం, నవంబర్ 21 (ప్రతిపత్తి): ప్రొద్దుపాటి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాల ఈసీఈ, ఎఎన్టీఈ సంయుక్త ఆధ్వర్యంలో టెక్నికల్ సపోర్టింగ్ స్టాఫ్ కు అవగాహన నడపని నిర్వహించారు. గురువారం హ్యాండ్స్ ఆన్ ట్రైనింగ్ ఆన్ ఈజీడి టూల్స్ అనే అంశంపై పది రోజులు పాటు వర్క్ షాప్ ను నిర్వహించిన నున్నారు. ఈ సందర్భంగా కళాశాల ప్రొద్దుపాటి డాక్టర్ కె.అప్పారావు మాట్లాడుతూ పరిశ్రమలో ఇదగుతున్న విద్యార్థులకు మార్కులను అనుగుణంగా ఆధ్యాపకేతర సిబ్బంది రూపొందించే వర్క్ షాప్ ను నిర్వహించాలని సూచించారు. ఈసీఈ విభాగాధిపతి డాక్టర్ వై.అమర్ బాబు, కో-ఆర్డినేటర్ డాక్టర్ పి.లక్ష్మిరెడ్డి, రిసోర్స్ పర్సన్ జి.వెంకట్రామ్ పాల్గొన్నారు.

### ఈనాడు

#### సాంకేతిక సిబ్బందికి కార్యశాల

నదస్సులో పాల్గొన్న సాంకేతిక సిబ్బందికి ప్రొద్దుపాటి, సీబిబి

మైలవరం, న్యూనెట్: సాంకేతిక లక్కిరెడ్డి ఇంజనీరింగ్ కళాశాలలో ఈసీఈ, ఎఎన్టీఈ ఆధ్వర్యంలో సాంకేతిక సిబ్బందికి మూడ్రోజుల కార్యశాలను గురువారం కళాశాల ప్రొద్దుపాటి కె.అప్పారావు ప్రారంభించారు. హ్యాండ్స్ ఆన్ ట్రైనింగ్ ఆన్ ఈజీడి టూల్స్ అంశంపై కార్యశాల నిర్వహించారు. ఈ సందర్భంగా ప్రొద్దుపాటి కె.అప్పారావు మాట్లాడుతూ పరిశ్రమలో ఇదగుతున్న విద్యార్థులకు, టూల్స్ పట్ల సాధించాలని సూచించారు. కార్యక్రమంలో ఈసీఈ విభాగాధిపతి వై. అమర్ బాబు, కో-ఆర్డినేటర్లు పి.లక్ష్మిరెడ్డి, వై.ఎం.వి. రామన్, రిసోర్స్ పర్సన్ జి.వెంకట్రామ్ పాల్గొన్నారు.

### నంక్షి

#### టెక్నాలజీపై అవగాహన పెంచుకోవాలి

జి.కొండాపూరు: పరిశ్రమలో ఇదగుతున్న టెక్నాలజీ మామూలు అనుగుణంగా అధ్యాపకేతర సిబ్బంది కూడా నూతన టెక్నాలజీపై అవగాహన పెంచుకోవాలిగా లక్కిరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాల ప్రొద్దుపాటి డాక్టర్ కె.అప్పారావు తెలిపారు. మైలవరం లక్కిరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాలలో ఈసీఈ, ఎఎన్టీఈ డాక్టర్ సంయుక్త ఆధ్వర్యంలో హ్యాండ్స్ ఆన్ ట్రైనింగ్ ఆన్ ఈజీడి టూల్స్ అనే అంశంపై టెక్నికల్ సపోర్టింగ్ సిబ్బందికి మూడు రోజులు వర్క్ షాప్ ను గురువారం ప్రారంభించారు. సపోర్టింగ్ స్టాఫ్ కూడా అవగాహన నడపని నిర్వహిస్తున్నారు. పర్యటనలో సేవలు సందిగ్ధంగా చేసుకోవాలన్నారు. ఈ కార్యక్రమంలో ఈసీఈ విభాగాధిపతి డాక్టర్ వై.అమర్ బాబు, కో-ఆర్డినేటర్ డాక్టర్ పి.లక్ష్మిరెడ్డి, రిసోర్స్ పర్సన్ జి.వెంకట్రామ్ పాల్గొన్నారు.

### అక్షయ కర్మ

ఎలీజీఎస్ఐఈలో అవగాహనా నడపని మైలవరం లక్కిరెడ్డి ఇంజనీరింగ్ కళాశాలలో ఈసీఈ, ఎఎన్టీఈ ఆధ్వర్యంలో మూడ్రోజులపాటు టెక్నికల్ సపోర్టింగ్ స్టాఫ్ కు నిర్వహించే క్లిష్టా కార్యక్రమంపై కళాశాల ప్రొద్దుపాటి డాక్టర్ కె.అప్పారావు గురువారం ప్రారంభించారు. హ్యాండ్స్ ఆన్ ట్రైనింగ్ ఆన్ ఈజీడి టూల్స్ అనే అంశంపై 31వ తేదీ నుండి 23వ తేదీ వరకు వర్క్ షాప్ ను అనుగుణంగా ప్రొద్దుపాటి నిర్వహించారు. మైలవరం విభాగాధిపతి డాక్టర్ వై.అమర్ బాబు, కో-ఆర్డినేటర్లు డాక్టర్ పి.లక్ష్మిరెడ్డి, వై.ఎం.రామన్, రిసోర్స్ పర్సన్ వెంకట్రామ్ తదితరులు పాల్గొన్నారు.