

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

### **DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING**

Details of Workshops/Seminars conducted on Intellectual Property Rights (IPR), Research Methodology, Entrepreneurship and Skill Development

SI.no	Name of the Workshop/ Seminar	Number of Participants	Date (From - To)
1	One day workshop on "Introduction to LabVIEW Programming"	28	24.02.2021
2	Three day Hands on training programme on "LabVIEW Core 1 & Core 2 with NI Hardware"	20	11.03.2021 - 13.03.2021
3	Online Workshop cum Contest on ''Video Making 2.0''	48	17.04.2021



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# DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

24.02.21

The Department of Electronics and Instrumentation Engineering conducted a one day workshop on "Introduction to LabVIEW Programming" for the final year students of Mechatronics Engineering on 24.02.21. 28 students participated in this workshop. The resource persons were internal faculty members of EIE department. The session was helpful for the students to learn about fundamentals of LabVIEW. The students had the hands on experience with data types and programming concepts of loops, structures, arrays, clusters and file I/O operations. This will help the students to do their Mini project / Curriculum Projects using LabVIEW.

2 W Co ordinators

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### DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Workshop

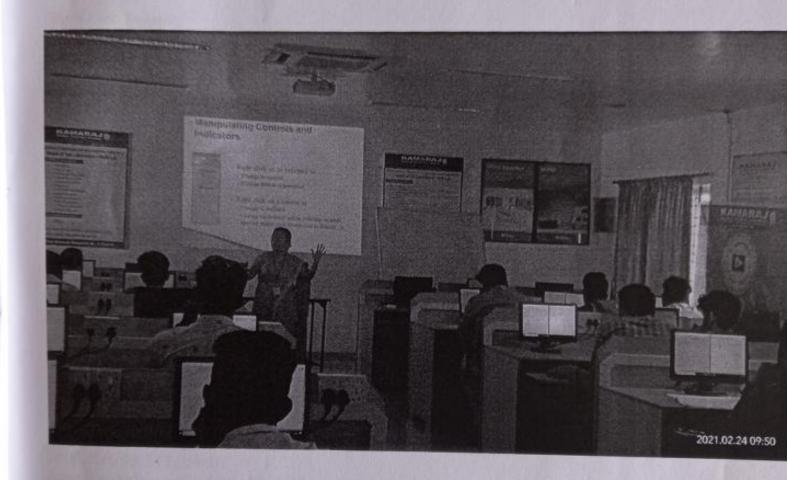
: Introduction to LabVIEW Programming

Date

: 24.02.2021

Resource Person

: Internal faculty members of EIE department



2 W Co ordinators

HoD/EIE

# Re: Workshop on LABVIEW ---- Reg

HODEIE < hodeie@kamarajengg.edu.in>

Tue 2/23/2021 9:55 PM

To: HODMTR <hodmtr@kamarajengg.edu.in>

Cc: DEAN-ACADEMIC <deanac@kamarajengg.edu.in>; Dr.Anant Achary <principal@kamarajengg.edu.in>

ok sir. we have noted and planned to conduct one day workshop on LabVIEW for final year MTR students tomorrow.

Thanks and Regards,

Dr. S. Jeyadevi, HoD/EIE

From: HODMTR < hodmtr@kamarajengg.edu.in>

Sent: Tuesday, February 23, 2021 3:45 PM

To: HODEIE

Cc: DEAN-ACADEMIC; Dr.Anant Achary Subject: Workshop on LABVIEW ---- Reg

Dear Mam,

The list of III & IV Mechatronics students in the attachment are interested in doing their project work using LABVIEW. So, I request you to arrange one day workshop on " Introduction to LABVIEW " on 24.02.2021 for them.

Thank You

With warm regards, Dr. K. Kannan, M.E., Ph.D., Associate Professor (Senior Scale) & Head, Department of Mechatronics Engineering, KAMARAJ College of Engineering and Technology (Autonomous), K. Vellakulam -625701, Near Virudhunagar, Madurai District.



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Department of Electronics and Instrumentation Engineering

Workshop: Introduction to LabVIEW Programming

### Schedule for the workshop

S.No	Date	Hour details	Name of the faculty	Topic details
1	24.02.2021	1,2	Mrs. L.V. Revathi Ms. S. Kavitha	Introduction to LabVIEW, Data types
2	24.02.2021	3,4	Mrs. J. Uma maheswari Mrs. R. Santhiya	For loop, While loop, Array
3	24.02.2021	5,6	Mr. A. Rajavel Mr. R. Rajprabu	Cluster, Case structure, Sequence Structure
4	24.02.2021	7	Mrs. M. Vigneswari	File I/O Operations

Participants- IV MTR students

Session Timing09.00 a.m- 04.00 p.m

HoD/EIE



DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING One Day Workshop on "Introduction to LABVIEW" on 24-02-2021

# Attendance Sheet

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### Department of Electronics and Instrumentation Engineering

"Introduction to LabVIEW Programming" on 24.02.2021

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8.		ed in appearing CLAD ex	xamination?	
	a/Yes	b) No		
9.	Will you apply th	e knowledge gained from	m this programme for	
	a) Yes	b) No	in this programme for (	loing mini projects?
10.	. Your general Su	aggestions for the enhance	cement of this program	
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# Department of Electronics and Instrumentation Engineering

"Introduction to LabVIEW Programming" on 24.02.2021

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# Department of Electronics and Instrumentation Engineering

"Introduction to LabVIEW Programming" on 24.02.2021

I.	How would you rate this Hands on training Programme?  a) Excellent  b) Very Good  c) Good
2.	Your perception on content delivery of the resource persons?  a) Excellent  b) Very Good  c) Good
3.	Did the resource persons attentively address and cleared the doubts and queries raised?  a) Yes  b) No
4.	Interactions of the resource persons with participants  a) Excellent  b) Very Good  c) Good
5.	How far is this program helpful for you in the future? Please specify
6.	Are you satisfied with the number of days this training being conducted?  a) Yes  b) No
7.	Would you recommend this training to your friends?  a) Yes  b) No
	Are you interested in appearing CLAD examination?  a) Yes  b) No
9.	Will you apply the knowledge gained from this programme for doing mini projects?  a) Yes  b) No
10	Your general Suggestions for the enhancement of this program.



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### Department of Electronics and Instrumentation Engineering

"Introduction to LabVIEW Programming" on 24.02.2021

	How would you rate this Han  a) Excellent b) Very	ds on training Good	g Programme?	
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# DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

14.03.21

The Department of Electronics and Instrumentation Engineering conducted Hands on training on "LabVIEWCorel &Core 2 with NI hardware" for the final year students of EIE, ECE and EEE from 11.03.21 to 13.03.21. 20 students participated in this workshop. The resource persons were internal faculty members of EIE department. The session was helpful for the students to learn about fundamentals of LabVIEW. The students had hands on experience with data types and programming concepts of loops, structures, arrays, clusters and file I/O operations. The students also worked with NI hardware for data acquisition and real time simple mini projects. This will help the students to do their Mini project / Curriculum Projects using LabVIEW.

1 P.77 2 W HoD/EIE



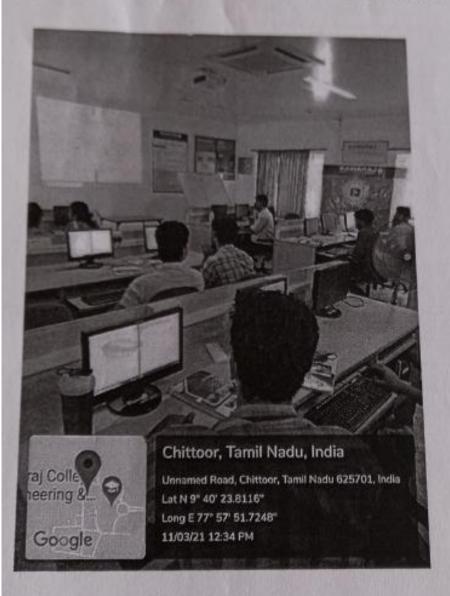
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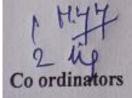
DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Hands on training : LabVIEWCorel &Core 2 with NI hardware

Date : 11.03.21 to 13.03.21

Resource Person : Internal faculty members of EIE department









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### CIRCULAR

08.03.2021

The Department of Electronics and Instrumentation Engineering in association with NI LabVIEW Academy is organizing three day hands on training programme on "LabVIEW Core1 & Core 2 with NI Hardware" from 11.03.2021 to 13.03.2021 for IV EIE, EEE and ECE students. The following ECE students have shown interest to participate in this 3days training program. This program will help them for placement and project work.

S.NO	Dept	Year	Roll No	Name		
1.	ECE	IV	17UECE001	S.Yazhini		
2.	ECE	IV	17UECE021	P.Abinaya		
3.	ECE	IV	17UECE024	C.Jeya Praveen		
4.	ECE	IV	17UECE029	S.Surendran.		
5.	ECE	IV	17UECE032	V.Dinesh Kumar		
6.	ECE	IV	17UECE036	V.Santhoshan		
7.	ECE	IV	17UECE037	M.Muthu subramaniam		
8.	ECE	IV	17UECE043	R.Jenifer		
9.	ECE	IV	17UECE052	B.Pon Bala Ganesh		
10.	ECE	IV	17UECE072	T.D.P.Pooja sree		
11.	ECE	IV	17UECE080	T.Poovitha		
12.	ECE	IV	17UECE082	K.Vikraman		
13.	ECE	IV	17UECE098	B.Ahamed hakeem		
14.	ECE	IV	17UECE099	B.Akila		
15.	ECE	IV	17UECE108 K.Maheswaran			
16.	ECE	IV	17UECE115	M.Logeshwaran		

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HoD/ECE



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S.NO	Dept	Year	Roll No	Name
1.	EEE	IV	17UEEE018	B.GuruViswa
2.	EEE	IV	17UEEE016	S. SulbikaShakin.
3.	EEE	IV	17UEEE103	A.Lakshmipriya
4.	EEE	IV	17UEEE026	P. Karthikeyan
5.	EEE	IV	17UEEE049	P. Naveen Kumar.
6.	EEE	IV	17UEEE082	T. Muthu Ganesh.
7.	EEE	IV	17UEEE079	S. Kabilan
8.	EEE	IV	17UEEE080	S. Dinakaran
9.	EEE	IV	17UEEE003	P.Yogeshwaran

HoD/EEE



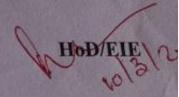
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S.NO	Dept	Year	Roll No	Name
1	EIE	IV	17UEIE011	M.SournaPriya
2.	EIE	IV	17UEIE015	P. GautamRangan
3.	EIE	IV	17UEIE021	R. Shiva Kumar
4.	EIE	IV	17UEIE026	K.Sankar
5.	EIE	IV	17UEIE015	P. GautamRangan





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### Department of Electronics and Instrumentation Engineering

### Hands on training: LabVIEWCore1 &Core 2 with NI hardware

### Schedule for the training programme

S.No	Date	Session	Topics	Staff Incharge
1.		1	LabVIEW programming principles and LabVIEW Environment introduction, Data Types (Numeric, Boolean)	M.Vigneswari, AP/EIE J.UmaMaheswari, AP/EIE
	11.03.2021 (Thursday)	11	Data Types (String), Arrays	A.Rajavel, AP/EIE S.Kavitha, AP/EIE
	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ш	For Loop, While Loop and Timing	J.UmaMaheswari, AP/EIE L.V.Revathi, AP/EIE(5,6)
	12.03.2021 (Friday)	1	Charts and Graphs	A.Rajavel, AP/EIE S.Kavitha, AP/EIE
2.		II	Clusters, Formula node, Mathscript	M.Vigneswari, AP/EIE L.V.Revathi, AP/EIE
		Ш	Sequence Structure and Case Structure	S.RameshPrabhu,AP/EIE R.RajPrabu,AP/EIE
		1	SubVI	R.Santhiya, AP/EIES.Kavitha,AP/EIE
3.	13.03,2021 (Saturday)	II	File I/O Operations	M.Vigneswari, AP/EIE L.V.Revathi, AP/EIE
		Ш	DAQ, Mini projects with hardware	S.RameshPrabhu,AP/EIE R.Santhiya, AP/EIE

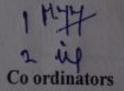
Participants- IV EIE, ECE, EEE students

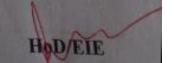
Session Timing

Session-I -09.00 a.m- 10.40 a.m

Session-II -11.00 a.m- 12.40 p.m

Session-III -01.30 p.m- 04.00 p.m





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Department of Electronics and Instrumentation Engineering S.P.G.C.Nagar, K.Vetlakulam - 525 701, (Near Viruchunagar), Madural District. Hands on training: LabVIEW core1 & core 2 with NI hardway

Attendance Sheet	11.03.2021	12/03/2021	III II III III	By Gard Boards A Court	315	一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一	Service Constitution	Not 100 100 100	エックラフマナカックーナー	LOSA LANGE PRIME THERE	ならんらんられたります	S. T. S. Land	STONE	TINE SOLD OF THE PARTY OF THE P	my King from Rear Reserve	498 498 498 1984 8 498	Local transference
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	Student Name	S.David Stanham D.	B.Sorna Manicham	Haripriya Jayachandron	D A LE	Co Alleria 1 .	S Company	V Santhachan	M Murhu sulvers	R Tenifer	B.Pon Bala Ganesh	S.Krishna Prasad	V.Priyadharshini	B.Akila	A.Riyaz Khan	S.Priyadharshini	M.Logeshwaran
	Roll No	17TFCE000	17UECE010	17UECE011	17UECE021	17UECE026	17UECE029	17UECE036	17UECE037	17UECE043	17UECE052	17UECE077	17UECE087	17UECE099	17UECE106	17UECE114	17UECE115
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	Dept.		Roll No	Student Name	11/03/2021	12/03/2021	13/03/2021
S.No	Dept.	Year			I II III	I II III	a prost progen popula.
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Session Timing Session-I -09.00 a.m- 10.40 a.m Session-II -11.00 a.m- 12.40 p.m Session-III -01.30 p.m- 04.00 p.m

> 2 MP Coordinators

HoDEIE



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#### DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

### **INVITATION**

### We cordially invite you for the Inaugural function of

Three Days workshop on

"Design and Simulation of Electronic Circuits using Software Packages"

(online mode)

25.03.2021 - 27-03.2021

### **Resource Person**

### Mr. R. SIVARAMAKRISHNAN

Engineer-Automation SMT CTTI private Ltd, Chennai

Online Platform : MS-TEAMS APP

Time : 25.3.2021, 9.30 am

Link for joining the Inaugural Function: https://tinyurl.com/Dayl-session1

R.Santhiya AP/EIE **Co-ordinator** 

Dr.S.Jeya Devi HoD/EIE Convener



# (Autonomous) S.P.G.Chidambara Nadar - C.Nagammal Campus S.P.G.C. Nagar, **Virudhunagar.**

KAMARAJ/ AO /2020-21/ 1082

16/03/2021

### **CIRCULAR**

Department of Electronics and Instrumentation Engineering is organizing a three days Workshop on "Design and Simulation of Electronic Circuits using Software Packages" for the Second, Third & Final Year Students from EIE, ECE, EEE & MTRE Department.

Date of the Program

25/03/2021 to 27/03/2021

Registration Fee

Rs. 300/-

Interested students are requested to pay the registration fee of **Rs.300/-** at Tamilnadu Mercantile Bank Ltd, Extension Counter of our college and submit the fee paid challan to **Mrs.R.Santhiya**, **AP / EIE** on or before **22/03/2021**.

PRINCIPAL

### Copy to:

- 1. Dean (Academics)
- 2. Dean (Examinations)
- 3. Dean(Research)
- 4. Superintendent /Administrative Office
- 5. HODs of EIE, ECE, EEE & MTRE
- 6. Circulated to all the EIE, ECE, EEE & MTRE Dept. Teaching Staff Members through their email ID
- To be read in all II, III, IV year EIE, ECE, EEE & MTRE Dept. Class Rooms
- 8. Account Section
- 9. Student Section
- 10. EIE, ECE, EEE & MTRE

Dept. Notice Board

- 11. Office Notice Board
- 12. File

Copy submitted to the Secretary / Treasurer



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### $\label{lem:condition} \textbf{DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING}$

Three days Workshop on

### "Design and Simulation of Electronic Circuits using Software Packages"

### AGENDA-(onine mode-through MS Teams APP)

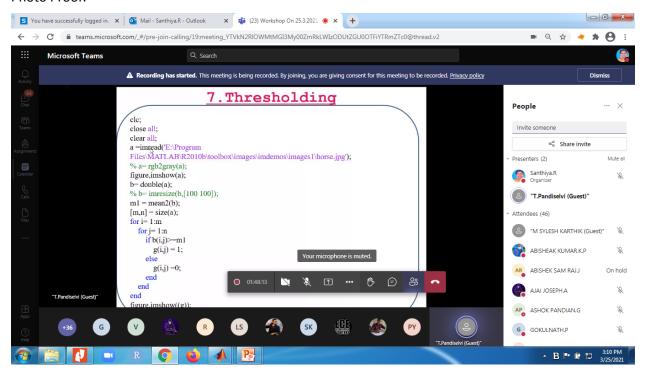
Date	Timing	Program Schedule	Resource Person
	9.30 am ~10.00 am		uration
		Session-I	1.Dr.S.Jeya Devi ,Prof & HOD,
		Introduction to MATLAB	Department of EIE,
		(Basic Programming &Simulink)	Kamaraj College of Engg& Technology,
		(Basic Frogramming assimaling)	Madurai.
		Applications-Basics of Image processing	
		using MATLAB-Part 1	2.Dr.A.Geetha, Associate Professor,
Day~II ~	10.00 am ~12.30pm	daily WATERS Falt	Department of ECE,
25.3.2021	i i i i i i i i i i i i i i i i i i i	Link of Joining the session I:	Kamaraj College of Engg& Technology,
		https://tinyurl.com/Dayl-session1	Madurai.
	12.30pm ~1.30pm		Break
	12.50pm - 1.50pm	Session-II	1.Dr.M.Sudalai Mani ,Assistant Professor,
		Design of Electronic Controllers & its Real	Department of EEE,
		_	Kamaraj College of Engg& Technology,
		time Applications	Madurai.
	01.30 pm ~3.30 pm	Applications Device of law area areas and	Trimmini.
	01.30 pm ~3.30 pm	Applications-Basics of Image processing	2.Dr.T.PandiSelvi ,Assistant Professor,
		using MATLAB-Part 2	Department of ECE,
		Link of laining the coving II	Kamaraj College of Engg& Technology,
		Link of Joining the session II:	Madurai.
		https://tinyurl.com/Dayl-Session2	Ma D Civrous and Irais langua
		Session-I	Mr.R.Sivaramakrishnan, Engineer-Automation SMT,CTTI private
		Introduction to PLC &	Ltd,Chennai
		Relay Ladder Logic representation &	Liu, Chemai
		Introduction to Logix Pro Simulator	
	10.00 am ~12.30pm	The first transfer of the second of the seco	
Б. п		Link of Joining the session I:	
Day-II ~	10.00	https://tinyurl.com/DayII-Session1	
26.3.2021	12.30 pm ~1.30 pm		Break
		Session-II	Mr.R.Sivaramakrishnan, Engineer-Automation SMT,CTTI private
		Basic PLC Programs &	Ltd,Chennai
	01.30 pm ~3.30 pm	Exercises on Logix pro Simulator	Liu, Chemai
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		Link of Joining the session II:	
		https://tinyurl.com/Dayll-Session2	Ma D Civrous and Irvioles on
		Session-I	Mr.R.Sivaramakrishnan, Engineer-Automation SMT,CTTI private
		Introduction to Timers & Counters and	Ltd,Chennai
	10.00 am ~12.30pm	Programming using Logix Pro simulator	Liu, Chennai
	•	I tale of lateting the control I	
		Link of Joining the session I:	
Day III	10.00 1000 1.00 100	https://tinyurl.com/DayIII-Session1	December 1
Day~III ~ 27.3.2021	12.30 pm ~1.30 pm		Break Mu B Sirrayana Irwishyana
41.3.4041		Session-II	Mr.R.Sivaramakrishnan,
		Industrial Application of PLC and	Engineer-Automation SMT,CTTI private
	01.30 pm ~3.00 pm	LabVIEW	Ltd,Chennai
		Link of Joining the session II:	
	20.22	https://tinyurl.com/DayIII-Session2	The Proof
	03.00 pm ~3.30 pm	Feedback & Vale	edictory Function

### DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Three days Workshop on

# "Design and Simulation of Electronic Circuits using Software Packages" 25..3.2021-27.3.2021

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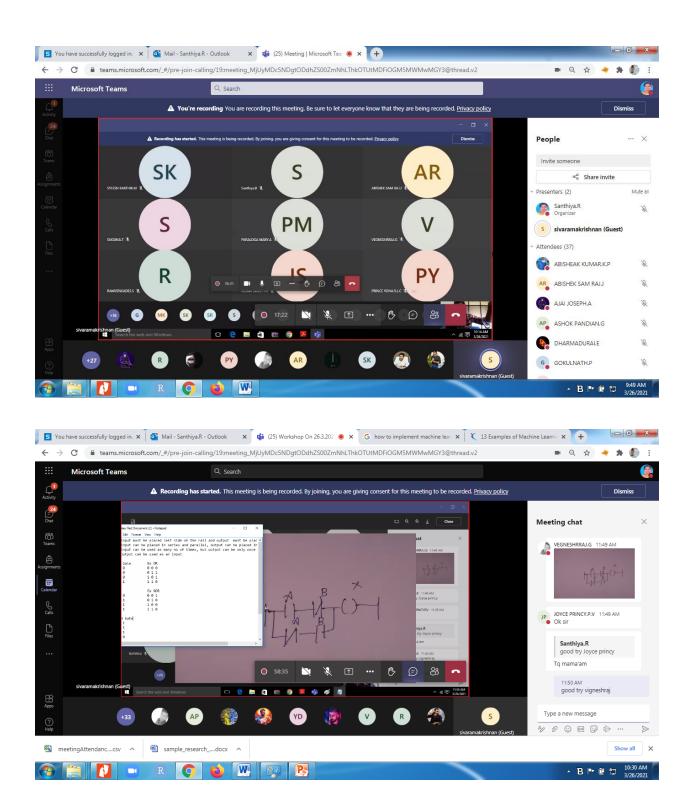




### DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

### Three days Workshop on

# "Design and Simulation of Electronic Circuits using Software Packages" 25..3.2021-27.3.2021





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DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

# Three Days Workshop on "**Design and simulation of electronic circuits using software packages**" 25.03.2021 - 27.03.2021

### **Attendance Sheet**

S.No	Roll No	Student Name	Year and Branch	25.3.2021 FN & AN			5.3.2021 N & AN		27.3.2021 FN & AN	
1	18UECE009	D.Priyadharshini*	III ECE	P	P	P	P	P	P	
2	18UECE037	J.Sineka*	III ECE	P	P	P	P	P	P	
3	18UECE079	Sree Nivetha*	III ECE	P	P	P	P	P	P	
4	18UECE083	U.RajaLakshmi*	III ECE	P	P	P	P	P	P	
5	18UECE084	N.Madhusivani*	III ECE	P	P	P	P	P	P	
6	19UECE002	K.Sivadharsan	II ECE	P	P	P	P	P	P	
7	19UECE004	V.Josna sweety	II ECE	P	P	P	P	P	P	
8	19UECE010	M.Nivetha*	II ECE	P	P	P	P	P	P	
9	19UECE018	K.M.Nithish kumar	II ECE	P	P	P	P	P	P	
10	19UECE023	G.VigneshRaj	II ECE	P	P	P	P	P	P	
11	19UECE021	M.Karthick Raja	II ECE	P	P	P	P	P	P	
12	19UECE031	S.Yogavenkatesh	II ECE	P	P	P	P	P	P	
13	19UECE035	S.Subhiksha	II ECE	P	P	P	P	P	P	
14	19UECE036	J.Hariharan	II ECE	P	P	P	P	P	P	
15	19UECE049	P.Gokulnath	II ECE	P	P	P	P	P	P	
16	19UECE050	B.Shanmuga	II ECE	P	P	P	P	P	P	
17	19UECE054	Gananathi E.Vignesh	II ECE	P	P	P	P	P	P	
18	19UECE056	S.Vidya	II ECE	P	P	P	P	P	P	
19	19UECE066	P.V.Joyce princy*	II ECE	P	P	P	P	P	P	
20	19UECE069	M.V.Vinoth kumar	II ECE	P	P	P	P	P	P	
21	19UECE070	S.Sangeetha*	II ECE	P	P	P	P	P	P	
22	19UECE072	S.Aiswarya	II ECE	P	P	P	P	P	P	
23	19UECE076	K.P.Abisheak kumar	II ECE	P	P	P	P	P	P	
24	19UECE079	M.Gousika	II ECE	P	P	P	P	P	P	
25	17UEIE030	V.Mukesh Sundar*	IV EIE	P	P	P	P	P	P	
26	18UEIE001	A. Ajay Joseph	III EIE	P	P	P	P	P	P	
27	19UEIE008	K.Sujan	II EIE	P	P	P	P	P	P	
28	19UEIE005	G.Ashok Pandian	II EIE	P	P	P	P	P	P	
29	19UEIE009	K.Swastick kumar.K	II EIE	P	P	P	P	P	P	
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DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

# Three Days Workshop on "**Design and simulation of electronic circuits using software packages**" 25.03.2021 - 27.03.2021

### Attendance (contd..)

S.No	Roll No	Student Name	Year and Branch	25.3.2021 FN & AN			26.3.2021 FN & AN		7.3.2021 N & AN
30	18UMTR001	R.L.C Prince yona	III MTR	P	P	P	P	P	P
31	18UMTR005	T.Sivakumar	III MTR	P	P	P	P	P	P
32	18UMTR011	G.Rahini	III MTR	P	P	P	P	P	P
33	18UMTR012	G.Rohini	III MTR	P	P	P	P	P	P
34	18UMTR013	M.Sylesh Karthick	III MTR	P	P	P	P	P	P
35	18UMTR019	J.Abhishek Samraj	III MTR	P	P	P	P	P	P
36	18UMTR020	T.Harshni	III MTR	P	P	P	P	P	P
37	19UMTR035	R.Solai Ragul	II MTR	P	P	P	P	P	P
38	19UMTR036	S.RamVenkades	II MTR	P	P	P	P	P	P
39	19UMTR037	I.Samuvel Kingsley	II MTR	P	P	P	P	P	P
40	19UECE047	E.Dharmadurai	II ECE	P	P	P	P	P	P
41	19UECE085	S.Logaa maadhavan	II ECE	P	P	P	P	P	P
42	19UECE001	V.A.Lille sree	II ECE	P	P	P	P	P	P
43	19UECE009	K.SanthanaLakshmi	II ECE	P	P	P	P	P	P
44	19UECE011	B.Nivetha	II ECE	P	P	P	P	P	P
45	19UECE016	C.Nalina Laxmi	II ECE	P	P	P	P	P	P
46	19UECE019	D.Yamuna devi	II ECE	P	P	P	P	P	P
47	19UECE043	A.Paraloga mary	II ECE	P	P	P	P	P	P
48	19UECE014	Manoj Kumar.A	IIECE	P	P	P	P	P	P

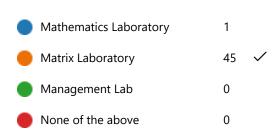


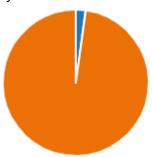


# Post Assessment-workshop-Design&Simulation of Electronic circuits using software packages

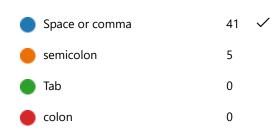


Expansion of MATLAB: (1 point)
 98% of respondents (45 of 46) answered this question correctly.



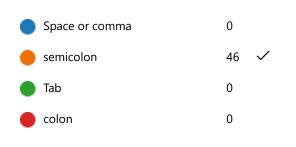


2. In MATLAB, While representing a matrix each elements of a row are separated by (1 point) 89% of respondents (41 of 46) answered this question correctly.





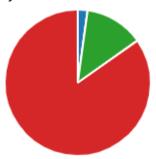
3. In MATLAB, While representing a matrix each rows are separated by (1 point) 100% of respondents (46 of 46) answered this question correctly.





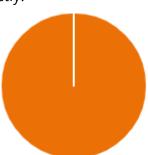
4. Select the function which give the output matrix like  $d=[1\ 0\ 0;\ 0\ 1\ 0;\ 0\ 1]$  (1 point) 85% of respondents (39 of 46) answered this question correctly.





5. x=8.7 ceil(x) Find the output. (1 point) 100% of respondents (46 of 46) answered this question correctly.





6. Select the types of images representation (1 point) 80% of respondents (37 of 46) answered this question correctly.





7. 3D array representation is used to denote\_\_\_\_\_ (1 point) 89% of respondents (40 of 45) answered this question correctly.

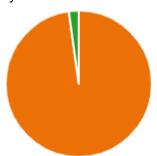




8. In Matlab, imread() function is used to \_\_\_\_\_ (1 point) 98% of respondents (45 of 46) answered this question correctly.

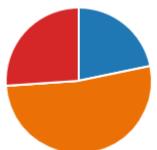






9. In image enhancement, Median filter is used to remove\_\_\_\_\_ (1 point) 52% of respondents (24 of 46) answered this question correctly.





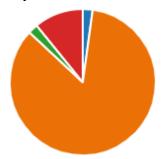
10. The primary colors used to represent an image are (1 point) 100% of respondents (46 of 46) answered this question correctly.





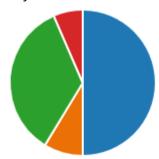
11. In Matlab, imshow() function is used to \_\_\_\_\_ (1 point) 85% of respondents (39 of 46) answered this question correctly.





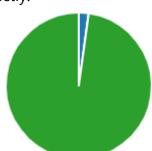
12. \_\_\_\_ function is used for image enhancement. (1 point) 50% of respondents (23 of 46) answered this question correctly.





13. In a 8bit system, The highest level of gray level is \_\_\_\_\_ (1 point) 98% of respondents (45 of 46) answered this question correctly.



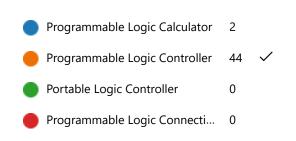


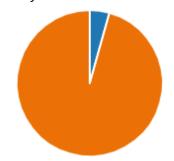
14. 2D array representation is used to denote\_\_\_\_\_ (1 point) 93% of respondents (42 of 45) answered this question correctly.





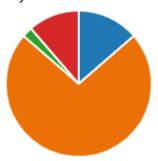
15. The expansion of PLC is (1 point)
96% of respondents (44 of 46) answered this question correctly.





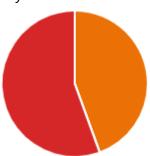
16. Select the timer belongs to given timing diagarm. (1 point) 73% of respondents (32 of 44) answered this question correctly.





17. Select the one which is not used as input in PLC. (1 point) 56% of respondents (25 of 45) answered this question correctly.





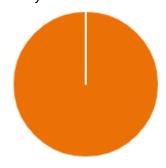
18. Choose the correct Logic from the PLC ladder diagram. (1 point) 91% of respondents (42 of 46) answered this question correctly.



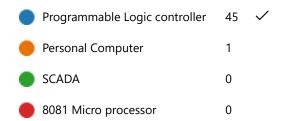


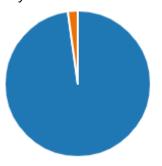
19. \_\_\_\_\_\_\_is used to carry out such an operation and It is a self-maintaining circuit in that, after being energized, it maintains that state until another input is received. (1 point) 100% of respondents (46 of 46) answered this question correctly.





20. \_\_\_\_\_\_is an industrial microprocessor-based controller with programmable memory used to store program instructions and various functions. (1 point) 98% of respondents (45 of 46) answered this question correctly.





### DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

3 Days Workshop on "**Design and simulation of electronic circuits using software packages**" 25.03.2021 - 27.03.2021 **POST Assessment-SCORE** 

ID	Start time	Completion time	Email	Name	Total points(20)
1	3/28/21 18:00:09	3/28/21 18:13:48	18umtr001@kamarajengg.edu.in	PRINCE YONA.R.L.C	15
2	3/28/21 18:03:35	3/28/21 18:16:45	18umtr019@kamarajengg.edu.in	ABISHEK SAM RAJ.J	15
3	3/28/21 18:05:35	3/28/21 18:18:27	19uece066@kamarajengg.edu.in	JOYCE PRINCY.P.V	16
4	3/28/21 18:02:07	3/28/21 18:21:51	19ueie009@kamarajengg.edu.in	SWASTIK KUMAR.K	18
5	3/28/21 18:01:11	3/28/21 18:23:09	18umtr013@kamarajengg.edu.in	SYLESH KARTHIK.M	14
6	3/28/21 18:11:46	3/28/21 18:25:29	19uece047@kamarajengg.edu.in	DHARMADURAI.E	16
7	3/28/21 18:12:41	3/28/21 18:25:45	19uece021@kamarajengg.edu.in	KARTHICK RAJA.M	17
8	3/28/21 18:19:24	3/28/21 18:27:10	19uece056@kamarajengg.edu.in	VIDHYA.S	16
9	3/28/21 18:06:53	3/28/21 18:29:32	18umtr020@kamarajengg.edu.in	HARSHINI.T	14
10	3/28/21 18:16:40	3/28/21 18:33:58	19uece076@kamarajengg.edu.in	ABISHEAK KUMAR.K.P	17
11	3/28/21 18:09:02	3/28/21 18:34:00	19uece036@kamarajengg.edu.in	HARIHARAN.J	18
12	3/28/21 18:21:53	3/28/21 18:34:09	19uece053@kamarajengg.edu.in	SUGUNA.T	18
13	3/28/21 18:03:49	3/28/21 18:34:47	19uece002@kamarajengg.edu.in	SIVADHARSHAN.K	20
14	3/28/21 18:07:05	3/28/21 18:34:48	19uece049@kamarajengg.edu.in	GOKULNATH.P	19
15	3/28/21 18:26:38	3/28/21 18:35:36	19uece079@kamarajengg.edu.in	GOUSIKA.M	18
16	3/28/21 18:00:39	3/28/21 18:36:14	19uece085@kamarajengg.edu.in	LOGAA MAADHAVAN.N.S	17
17	3/28/21 18:01:32	3/28/21 18:37:12	19uece023@kamarajengg.edu.in	VEGNESHRRAJ.G	20
18	3/28/21 18:29:00	3/28/21 18:37:17	19uece035@kamarajengg.edu.in	SUBHIKSHA.S	17
19	3/28/21 18:05:33	3/28/21 18:37:24	19uece004@kamarajengg.edu.in	JOSNA SWEETY.V	16
20	3/28/21 18:02:11	3/28/21 18:39:16	19uece014@kamarajengg.edu.in	MANOJ KUMAR.A	19
21	3/28/21 18:17:15	3/28/21 18:40:37	19ueie008@kamarajengg.edu.in	SUJAN.K	20
22	3/28/21 18:01:51	3/28/21 18:40:52	19uece070@kamarajengg.edu.in	SANGEETHA.S	19
23	3/28/21 18:41:50	3/28/21 18:42:14	19uece031@kamarajengg.edu.in	YOGA VENKATESH.S	18
24	3/28/21 18:40:33	3/28/21 18:42:20	19uece050@kamarajengg.edu.in	SHANMUGAGANAPATHI.B	17
25	3/28/21 18:40:02	3/28/21 18:42:23	19uece009@kamarajengg.edu.in	SANTHANA LAKSHMI.K	17
26	3/28/21 18:10:09	3/28/21 18:43:00	18umtr011@kamarajengg.edu.in	RAHINI.G	16
27	3/28/21 18:00:15	3/28/21 18:43:22	19uece069@kamarajengg.edu.in	VINOTH KUMAR.M.V	17
28	3/28/21 18:01:40	3/28/21 18:44:26	19umtr035@kamarajengg.edu.in	SOLAI RAGUL.R	16
29	3/28/21 18:02:13	3/28/21 18:44:30	19umtr037@kamarajengg.edu.in	SAMUVEL KINGSLY.I	16
30	3/28/21 18:01:44	3/28/21 18:44:39	19uece043@kamarajengg.edu.in	PARALOGA MARY.A	17
31	3/28/21 18:02:46	3/28/21 18:44:51	19uece016@kamarajengg.edu.in	NALINA LAXMI.C	17
32	3/28/21 18:15:18	3/28/21 18:45:09	19ueie005@kamarajengg.edu.in	ASHOK PANDIAN.G	18
33	3/28/21 18:03:33	3/28/21 18:45:37	19uece011@kamarajengg.edu.in	NIVETHA.B	17
34	3/28/21 18:12:02	3/28/21 18:46:32	18umtr012@kamarajengg.edu.in	ROHINI.G	15
35	3/28/21 18:16:01	3/28/21 18:48:18	18ueie001@kamarajengg.edu.in	AJAI JOSEPH.A	19
36	3/28/21 18:28:31	3/28/21 18:48:20	19umtr036@kamarajengg.edu.in	RAMVENKADES.S	17
37	3/28/21 18:20:43	3/28/21 18:48:48	19uece019@kamarajengg.edu.in	YAMUNA DEVI.D	17
38	3/28/21 18:53:43	3/28/21 18:53:47	19uece054@kamarajengg.edu.in	VIGNESH.E	17
39	3/28/21 18:27:20	3/28/21 18:54:29	18UECE079@kamarajengg.edu.in	SREE NIVETHA.M	19
40	3/28/21 18:29:59	3/28/21 18:55:55	18UECE037@kamarajengg.edu.in	SINEKA.J	19
41	3/28/21 18:21:50	3/28/21 18:56:01	18UECE009@kamarajengg.edu.in	PRIYA DHARSHINI.D	19
42	3/28/21 18:22:42	3/28/21 18:56:15	19uece001@kamarajengg.edu.in	LILEE SREE.V.A	16
43	3/28/21 18:08:56	3/28/21 18:56:27	18UECE084@kamarajengg.edu.in	MADHU SIVANI.N	19
44	3/28/21 18:14:46	3/28/21 18:57:19	18UECE083@kamarajengg.edu.in	RAJALAKSHMI.U	19
45	3/28/21 18:49:18	3/28/21 18:57:49	19uece018@kamarajengg.edu.in	NITHISHKUMAR.K.M	14
46	3/30/21 18:12:05	3/30/21 18:18:51	19uece010@kamarajengg.edu.in	NIVETHA.M	17



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Three days workshop on "Design and Simulation of Electronic Circuits using Software Packages" 25.03.2021-27.3.2021

**Certificate of Participation** 

This is to certify that <u>A.Manoj kumar</u> of <u>II ECE</u> has participated in <u>Workshop on "Design and Simulation</u> of <u>Electronic Circuits using Software Packages</u>" organized by DEPARTMENT OF ELECTRONIC & INSTRUMENTATION ENGINEERING ,Kamaraj College of Engineering and Technology(Autonomous), Madurai-625701 during 25.03.2021 to 27.3.2021...

Er.R.Santhiyai, AP/EIE

Coordinator

Dr.S.Jeya devi, Prof & Head/EIE

Convener

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