



**ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES**

(Affiliated to AU, Approved by AICTE & Accredited by NBA)  
Sangivalasa-531162, BheemunipatnamMandal, Visakhapatnam Dt.  
Phone: 08933- 225084,226395

Date: 18th July 2017

**CIRCULAR**

Department of ECE is glad to inform you that 1-day workshop on PCB designing is planned to organize on 29<sup>th</sup> July 2017 in association with MATCHWELL TECHNOLOGY SOLUTIONS. Registration fee for this workshop is 200/- per candidate. Further details and Schedule are available in department notice board. Interested students can enroll their names with Mr. N.Srinivasa Naidu, Asst. Professor, on/or before 26-07-2017.

II/IV  
A - *tan*  
B - *ans*  
C - *Ae*

III/IV  
A - *Ravi*  
B - *fi*  
C - *ga*

IV/IV  
A - *ged*  
B - *M*  
C - *po*

*[Signature]*  
Dr. V. Rajyalaxshmi.  
Prof & HOD, ECE

cha - d

MN - A

SBM - ~~A~~

DAP - ~~A~~

Asic - A

Dsk - ~~A~~

SA - ~~A~~

Dr. BSS - ~~A~~

ALW - M

RES - Res

VVKR - ~~A~~

DRK - Res

JBN - ~~A~~

ATM - M

Point

Am	A	(11/11)
Am	B	(11/11)
Am	C	(11/11)
Am	D	(11/11)
Am	E	(11/11)
Am	F	(11/11)
Am	G	(11/11)
Am	H	(11/11)
Am	I	(11/11)
Am	J	(11/11)
Am	K	(11/11)
Am	L	(11/11)
Am	M	(11/11)
Am	N	(11/11)
Am	O	(11/11)
Am	P	(11/11)
Am	Q	(11/11)
Am	R	(11/11)
Am	S	(11/11)
Am	T	(11/11)
Am	U	(11/11)
Am	V	(11/11)
Am	W	(11/11)
Am	X	(11/11)
Am	Y	(11/11)
Am	Z	(11/11)

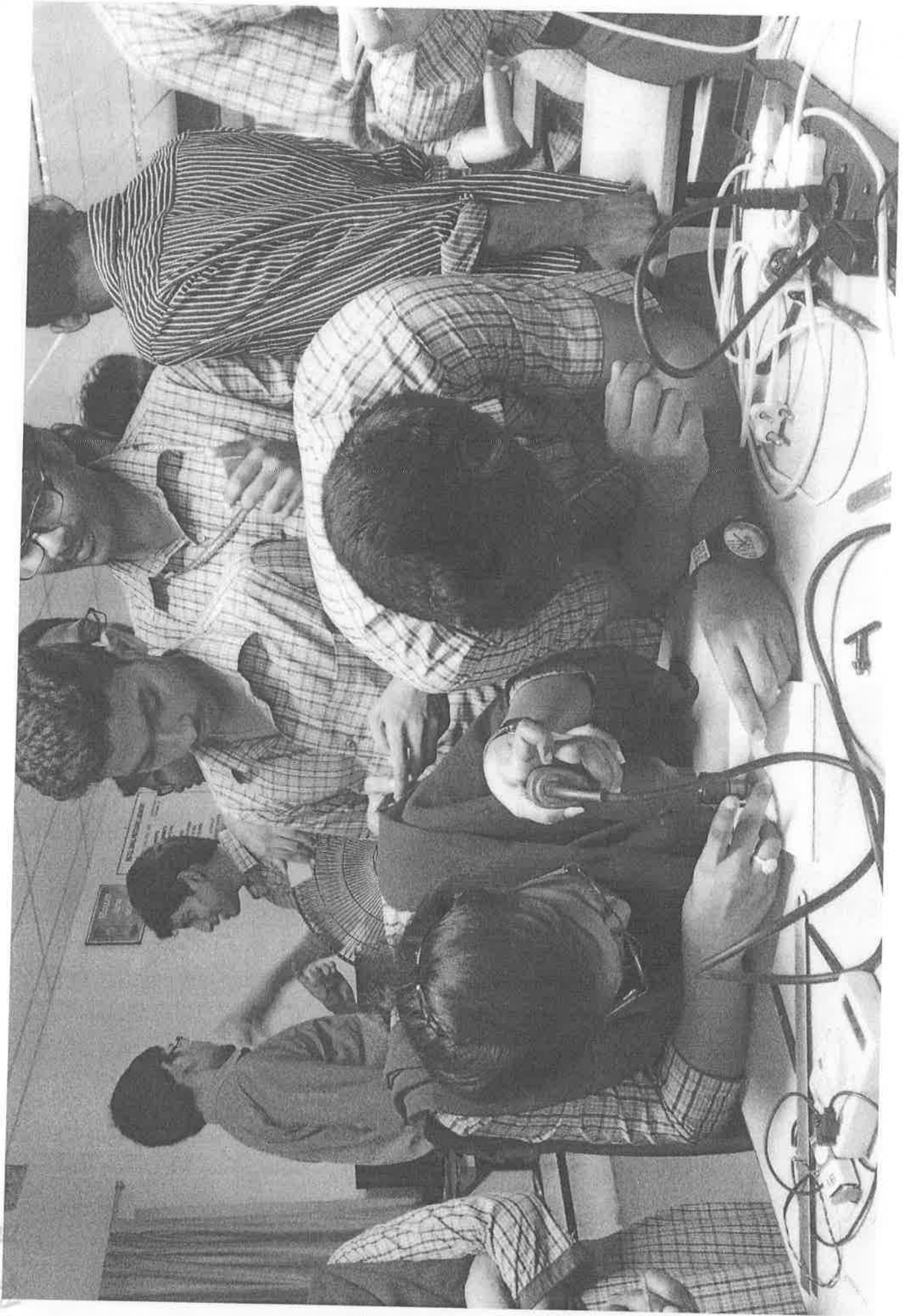
PCB Workshop



DE: 29-07-2016

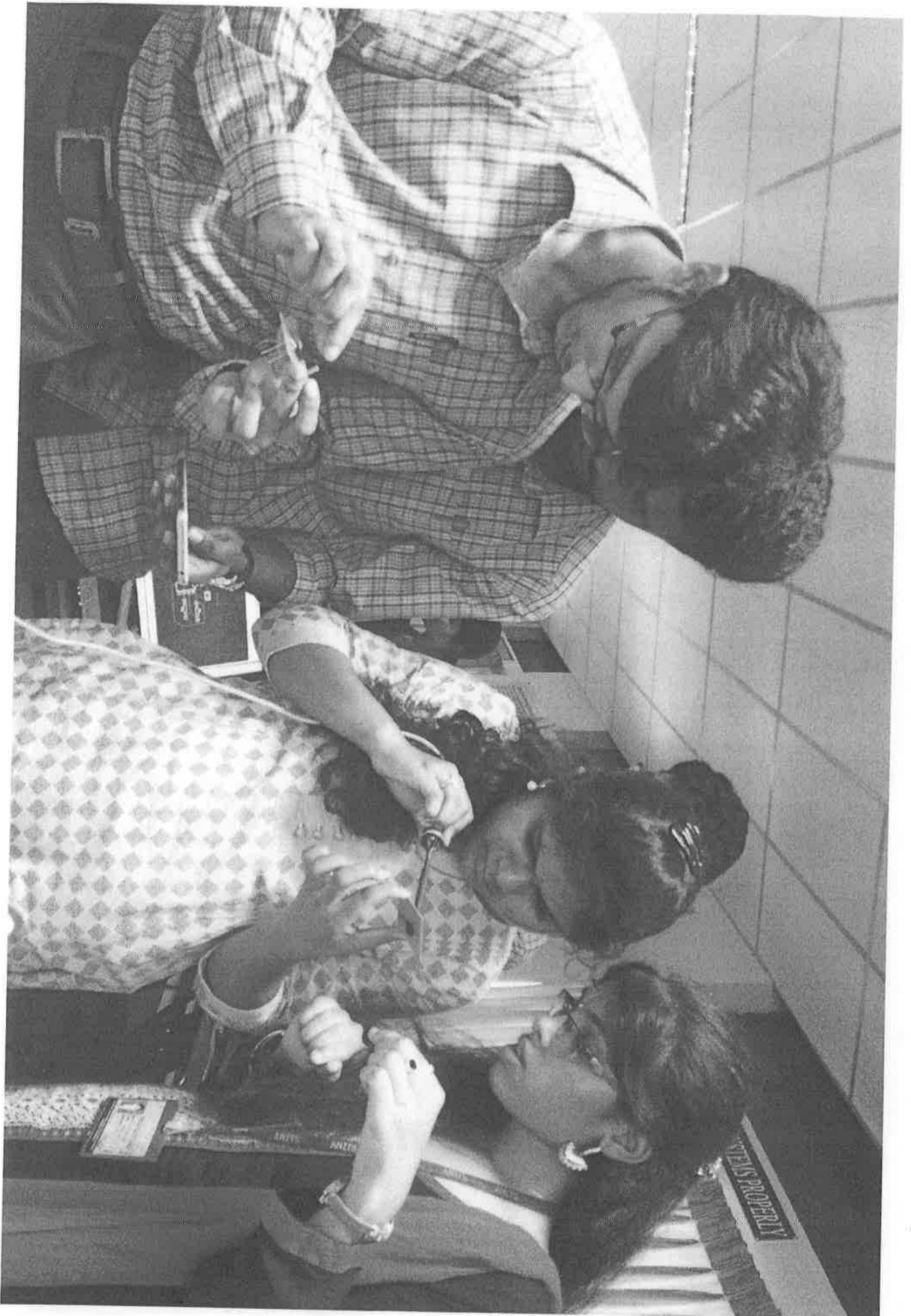
pnillsrQ

BCB Workshop



Drilling

5 - 05 - 2019



Soldering





Layout Preparation of Circuit

# ECE 411 DIGITAL SIGNAL PROCESSING

## Course Outcomes:

After completion of this course the student will be

1. Analyze signals and systems from time domain perspective
2. Analyze signals and systems from frequency domain perspective
3. Design of FIR, IIR filters.
4. Realization of FIR, IIR filters
5. Acquire knowledge on various applications of DSP in speech processing and radar signal processing.

## Syllabus

1. Discrete - Time Signals and Systems:  
Discrete - Time Signals - Sequences, Linear Shift Invariant Systems, Stability and Casuality, Linear Constants - Coefficient Difference Equations, Frequency Domain Representation of Discrete -- Time Signals and Systems.
2. Applications of Z -- Transforms:  
System Functions  $H(z)$  of Digital Systems, Stability Analysis, Structure and Realization of Digital Filters, Finite Word Length Effects.
3. Discrete Fourier Transform (DFT):  
Properties of the DFS, DFS Representation of Periodic Sequences Properties of DFT, Convolution of Sequences.
4. Fast - Fourier Transforms (FFT):  
Radix -- 2 Decimation - In - Time (DIT) and Decimation - In - Frequency (DIF), FFT Algorithms, Inverse FFT.
5. IIR Digital Filter Design Techniques:  
Design of IIR Filters from Analog Filters, Analog Filters Approximations (Butterworth and Chebyshev Approximations), Frequency Transformations, General Considerations in Digital Filter Design, Bilinear Transformation Method, Step and Impulse Invariance Technique.
6. Design of FIR Filters:  
Fourier Series Method, Window Function Techniques, Comparison of IIR and FIR Filters.
7. Applications:  
Applications of FFT in Spectrum Analysis and Filtering, Application of DSP in Speech Processing.

## Note: Syllabus covered:

- A and C Section --- unit 1, unit 2 and unit 3.  
B Section---unit 1, unit 3, unit 4

Exhaustive Description of Course





# ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

(Affiliated to AU, Approved by AICTE & Accredited by NBA)

Sangivalasa-531162, Bheemunipatnam Mandal, Visakhapatnam Dt.

Phone: 08933- 225084,226395

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Dt:29-07-2107

### A One Day WORKSHOP on Printed Circuit Boards(PCB)

#### ATTENDANCE SHEET

S.No	Name	Register No.	Year & Sec	Signature
✓1.	D.sowmya krishna	315126512037	III/IV ECE -A	<i>[Signature]</i>
✓2.	K.Sanjithi Anuradha	315126512065	III/IV ECE -A	<i>[Signature]</i>
✓3.	V.S. Sandeep	316126512055	II/IV ECE -A	<i>[Signature]</i>
✓4.	CRS.P.M.MANOJ HAR RAO	316126512018	II/IV ECE -A	<i>[Signature]</i>
✓5.	Ch. Sai Kishore	316126512069	II/IV ECE -A	<i>[Signature]</i>
✓6.	M. Kshetia Dee	316126512031	II/IV ECE -A	<i>[Signature]</i>
✓7.	G. Lalitha	316126512020	II/IV ECE -A	<i>[Signature]</i>
✓8.	C. Nalanda	316126512011	II/IV ECE -A	<i>[Signature]</i>
✓9.	V. Pradeep	316126512047	II/IV ECE -A	<i>[Signature]</i>
✓10.	P. Rohit	316126512046	II/IV ECE -A	<i>[Signature]</i>
✓11.	DVGuru Saram	316126512013	II/IV ECE -A	<i>[Signature]</i>
✓12.	V. Ruwanth	316126512056	II/IV ECE -A	<i>[Signature]</i>
✓13.	K.Pawan Sivabomesh	316126512027	II/IV ECE -A	<i>[Signature]</i>
✓14.	P. Akhul	316126512045	II/IV ECE -A	<i>[Signature]</i>
✓15.	K. Nikhil	316126512025	II/IV ECE -A	<i>[Signature]</i>
✓16.	Sri Vihari Reddy	316126512026	II/IV ECE -A	<i>[Signature]</i>
✓17.	M.Ramalingaiah	316126512029	II/IV ECE -A	<i>[Signature]</i>
✓18.	D.Tarun Ravi Sai	316126512072	II/IV ECE -A	<i>[Signature]</i>
✓19.	B. Nikhil Krishna	316126512067	II/IV ECE -A	<i>[Signature]</i>
✓20.	Ch. Asha	316126512071	II/IV ECE -A	<i>[Signature]</i>
✓21.	N. Geeshma	316126512039	II/IV ECE -A	<i>[Signature]</i>
✓22.	Niharikha	316126512040	II/IV ECE -A	<i>[Signature]</i>
✓23.	P. Nikhil	316126512041	II/IV ECE -A	<i>[Signature]</i>
✓24.	Kashi	316126512038	II/IV ECE -A	<i>[Signature]</i>
✓25.	A. Pratyusha	316126512061	II/IV ECE -A	<i>[Signature]</i>
✓26.	A. Sai Bhargavi	63	II/IV ECE -A	<i>[Signature]</i>
✓27.	B. Divya	65	II/IV ECE -A	<i>[Signature]</i>
✓28.	M.Madhuri sai	316126512030	II/IV ECE -A	<i>[Signature]</i>
✓29.	M.V.S. Nikhila	32	II/IV ECE -A	<i>[Signature]</i>
✓30.	A.K. Madhulika	28	II/IV ECE -A	<i>[Signature]</i>
✓31.	P.MADHU KIRAN	316126512102	II/IV ECE -B	<i>[Signature]</i>
✓32.	V.MOHAN SAI VAMSI	316126512117	II/IV ECE -B	<i>[Signature]</i>
✓33.	E.KESAVA RAO	316126512115	II/IV ECE -B	<i>[Signature]</i>

S.No	Name	Register No.	Year & Sec	Signature
✓34.	N. SHIVA RAJ	316126512098	II/IV ECE -B	N. Shiva Raj
✓35.	M. SATISH RAJ	316126512092	II/IV ECE -B	M. Satish
✓36.	L. SAI TEJA	316126512088	II/IV ECE -B	L. Sai Teja
✓37.	N. HARSHITHA	316126512100	II/IV ECE -B	N. Harshitha
✓38.	Y. SAMYUKTHA MARY	316126512120	II/IV ECE -B	Y. S. Mary
✓39.	G. MONIKA	316126512134	II/IV ECE -B	G. Monika
✓40.	L. VAMSI KRISHNA YADAV	316126512090	II/IV ECE -B	L. Vamsi
✓41.	G. PAVAN KUMAR	316126512076	II/IV ECE -B	G. Pavan Kumar
✓42.	K. ANURAG PRUDHVI	316126512081	II/IV ECE -B	K. Anurag
✓43.	D. PAVAN	316126512073	II/IV ECE -B	D. Pavan
(44)	J. SHANMUKHA RAO	316126512079	II/IV ECE -B	J. Shanmukha Rao
(45)	D. YOGESH REDDY	316126512133	II/IV ECE -B	D. Yogesh Reddy
✓46.	Sonia	316126512161	II/IV ECE -C	P. Sonia
✓47.	B. Roopa	164	II/IV ECE -C	P. Roopa
✓48.	Y. Sravya	179	II/IV ECE -C	Y. Sravya
✓49.	Y. Gayathri	180	II/IV ECE -C	Y. Gayathri
✓50.	Kishore	189	II/IV ECE -C	P. Kishore
✓51.	Ganesh	316126512190	II/IV ECE -C	P. Ganesh
✓52.	Purusotham	191	II/IV ECE -C	S. Purusotham
✓53.	K.S. Y Madhav	147	II/IV ECE -C	K. Madhav
✓54.	U. Hima Kiran	174	II/IV ECE -C	U. Hima Kiran
✓55.	T. Pavan	171	II/IV ECE -C	T. Pavan
✓56.	M. Pavan Kumar	182	II/IV ECE -C	M. Pavan Kumar
✓57.	V. Ramarao	202	II/IV ECE -C	V. Ramarao
✓58.	T. Madhan Mohan	203	II/IV ECE -C	T. Madhan Mohan
✓59.	S. Kumar	183	II/IV ECE -C	S. Kumar
✓60.	Ya Seen	185	II/IV ECE -C	SK. VASEEN
✓61.	Jagadish	197	II/IV ECE -C	B. B. Jagadish
✓62.	L. Tarun	148	II/IV ECE -C	L. Tarun
✓63.	MVS. Teja	154	II/IV ECE -C	M. Teja
✓64.	P. Vamsikrishna	162	II/IV ECE -C	P. Vamsi
✓65.	K. Sudheer	186	II/IV ECE -C	K. Sudheer
✓66.	M. Naveen	200	II/IV ECE -C	M. Naveen
✓67.	G. Hari Krishna	208	II/IV ECE -C	G. Hari Krishna
✓68.			(Faculty)	

ABDUL IRFAN

316126512121

II/IV ECE-D

Milu

Signature of the coordinator

(Mr. N. Srinivasa Naidu)

Signature of HOD

(Dr. V. Rajyalakshmi)