



SUMATHI REDDY

INSTITUTE OF TECHNOLOGY FOR WOMEN

L e a r n i n g a t i t s b e s t

Affiliated to JNTUH - Approved by AICTE

No. SRITW/Prin/2021

Date: 24-04-2021

CIRCULAR

All the students are hereby informed that our college is offering value-added courses. Interested students can register their names with the respective course coordinator. A detailed brochure regarding the courses is forwarded to their respective mail ids.

Criteria for Certification: Attendance $\geq 75\%$ and marks secured $\geq 60\%$.

: Important dates:

Registrations opening date: 03-05-2021

Registrations closing date: 08-05-2021

Course start date: 12-05-2021

Course end date: 30-06-2021

Courses offered:

1. Cyber Security
2. Business Starups & Incubation
3. Source Code Management using Git & Git hub
4. PCB Designing

Copy to

HOD (CSE, ECE, EEE, H&SC)
Administrative Officer

In-charge, Exam Branch

Library

Notice Board

To be read in classrooms

Principal

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Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)

A course on **PCB DESIGNING**

ORGANIZED BY THE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Course Objectives:

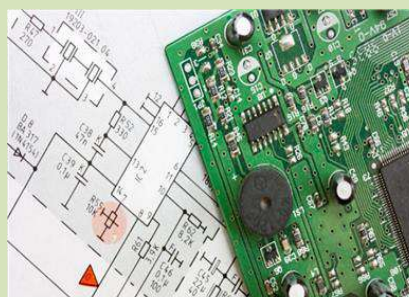
1. To design and fabricate PCB for prototyping as well as in Industrial Production environment.
2. It will help students to innovate faster with electronics technology.
3. PCB (Printed Circuit Board) designing is an integral part of each electronics products and this program is designed to make students capable to design their own projects PCB up to industrial grade.
4. Identifying Electronic Components Symbols & Footprints
5. Constructing your Component libraries & use them effectively
6. Schematic creation & interpretation
7. Effective use of design rules & interfacing between schematic & PCB.

Course Coordinator:

Dr.G.Rajitha

Asst. Prof ,H&Sc

For Registrations contact: [9959875482](tel:9959875482)



Course Start Date: 12-05-2021

Course End Date: 30-06-2021

For Registrations contact: [9959875482](tel:9959875482)

Venue: Online

Timings: 3:10PM-4:00PM

Course Instructors:

1. Mr.D. Koteswar Rao

Asst. Prof, ECE

2. Ms.Y. Sharvani

Asst. Prof, ECE

Rajan

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PCB Designing

Date: 12-05-2021 to 30-06-2021

Course Content

Introduction to PCB designing concepts Introduction & Brief History

What is PCB, Difference between PWB and PCB?

Types of PCBs: Single Sided (Single Layer), Multi-Layer (Double Layer, PCB Materials, Introduction to Electronic design Automation (EDA), Brief History of EDA, Latest Trends in Market, How it helps and why it requires, Different EDA tools

Introduction to SPICE and PSpice Environment

Introduction and Working of PROTEUS

Component introduction and their categories Types of Components

Active Components, Diode, Transistor, MOSFET, LED, SCR, Integrated Circuits (ICs)

Passive Components, Resistor, Capacitor, Inductor, Transformer, Speaker/Buzzer Component

Package Types, through-hole Packages

Axial lead, Radial Lead, Single Inline Package (SIP), Dual Inline Package (DIP), Transistor Outline (TO), Pin Grid Array (PGA), Through Hole Packages, Metal Electrode Face (MELF) Leadless Chip Carrier (LCC), Small Outline Integrated Circuit (SOIC), Quad Flat Pack (QFP) and Thin QFP (TQFP), Ball Grid Array (BGA), Plastic Leaded Chip Carrier (PLCC)

Introduction to Development Tools

Introduction to PCB Design using OrCAD tool, Introduction to PCB Design using PROTEUS tool

Detailed description and practical of PCB designing PCB Designing Flow Chart

Schematic Entry, Net listing, PCB Layout Designing, Prototype Designing o Design Rule Check (DRC) o Design for Manufacturing (DFM), PCB Making o Printing o Etching o Drilling, Assembly of components Description of PCB Layers, Electrical Layers o Top Layer o Mid Layer o Bottom Layer, Mechanical Layers o Board Outlines and Cutouts o Drill Details, Documentation Layers o Components Outlines o Reference Designation o Text Keywords & Their Description

Footprint, Pad stacks, Vias, Tracks, Color of Layers, PCB Track Size Calculation Formula PCB Materials, Standard FR-4 Epoxy

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Course Content: After the course students can able to learn

- Understand basics of PCB designing.
- Apply advance techniques, skills and modern tools for designing and fabrication of PCBs.
- Apply the knowledge and techniques to fabricate Multilayer, SMT and HDI PCB.
- Understand a single layer and multilayer PCB
- Create and fabricate a PCB
- Evaluate and test a PCB



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List of Registered students for PCB Designing

Batch: 1

Date:12-05-2021 to 30-06-2021

S. no	Roll no	Name of the Student
1	186Y1A0596	RAZEENA ZUYA
2	186Y1A0597	RUDROJU AKSHAYA
3	186Y1A0598	SABAHATH SAMREEN
4	186Y1A0599	SAINDLA SHIVANI
5	186Y1A05A0	SAMRA ALEEM
6	186Y1A05A1	SHAIK SONI
7	186Y1A05A2	SHAVALLA SHIREESHA
8	186Y1A05A3	SIRAPURAPU MANASA
9	186Y1A05A4	SOLLETI VAISHNAVI
10	186Y1A05A5	SRIRAMOJU RUCHITHA
11	196Y1A0546	JULURI NIKHITHA SRI
12	196Y1A0547	KADARI KRUTHI
13	196Y1A0548	KAKKERLA NEHA
14	196Y1A0549	KALIMI NIHARIKA
15	196Y1A0550	KANDARAPU SWATHI
16	196Y1A0551	KANDHAGATLA SRUTHI
17	196Y1A0552	KARRA MALATHI
18	196Y1A0553	KATLA SHIVANI
19	196Y1A0554	KOMURAVELLI ARISHMA
20	196Y1A0555	KOPPULA BHANUSRI
21	196Y1A0556	KUKAL SANJANA
22	196Y1A0557	KUNCHALA POOJA
23	196Y1A0558	LEKKALA PRAVALIKA
24	196Y1A0559	MALLADI PRASANNA
25	196Y1A0560	MERUGU MANOGNA
26	196Y1A0561	METTU JYOTHIKA
27	196Y1A0562	MITTAPALLI SRAVANI
28	196Y1A0563	MOGILI TRIVEDHA
29	196Y1A0564	MOHAMMED REENA
30	206Y1A0432	KUCHANA AMULYA
31	206Y1A0433	MADASU MADHU SREE
32	206Y1A0434	MANDA AISHWARYA
33	206Y1A0435	MANDA KEERTHANA
34	206Y1A0436	MATTA RAGINI
35	206Y1A0437	MUNAVATH APARNA
36	206Y1A0438	NAKIRTHA SUSHMA
37	206Y1A0439	NEELAM.PRANAVISREE
38	206Y1A0440	PALLA ROWSHNI
39	206Y1A0441	PARIPELLI NAVYA
40	206Y1A0442	PASHIKANTI SANITHA
41	206Y1A0443	PASHIKANTI VISHWANI
42	206Y1A0444	PENDYALA AKHILA

Rajan

Principal

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WARANGAL - 506 371 (TS)

Ananthasagar, Hasanparthy, Warangal -506371, Telangana. Website: www.sritw.org

Phoneno: 0870-2818302. Email: principal@sritw.org.



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43	206Y1A0445	PENDYALA HARITHA
44	186Y1A05A9	THOGITI POOJITHA
45	186Y1A05B0	THOTA NIKITHA
46	186Y1A05B1	THOTAKURI MALAVIKA
47	186Y1A05B2	TULA AKANKSHA
48	186Y1A05B3	UDUTHA DIVYA

G. Rajitha
Course-coordinator

Rijan

Principal

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Batch: 2

Date: 12-05-2021 to 30-06-2021

S. no	Roll no	Name of the Student
1	196Y1A0489	THATHA SHIRISHA
2	196Y1A0490	THATIPAMULA ABHINAYA
3	196Y1A0491	THODUPUNURI AKHILA
4	196Y1A0492	THOTA SOUMYA
5	196Y1A0493	THUMMA DEEPTHI MAI
6	196Y1A0494	THUMMA SHRENITHA
7	196Y1A0495	TUMMANAPELLI KEERTHANA
8	196Y1A0496	VALLAPU REDDY SINDHUJA
9	196Y1A0497	VALUGUBELLY BHOOMIKA
10	196Y1A0498	VANAMALA SATHWIKI
11	186Y1A0537	GORANTALA SHRUTHI
12	186Y1A0538	GUDIKANDULA KAVYA
13	186Y1A0539	GUNREDDY DIVYA
14	186Y1A0540	GURRAPU PRAVEENA
15	186Y1A0541	JADALA AKHILA
16	186Y1A0542	JANGILI RAVALI
17	186Y1A0543	JANNU SRESTA
18	186Y1A0544	JULURU SUPRIYA
19	186Y1A0545	KADARI SRIVIDYA
20	186Y1A0546	KALSANI MADHUMITHA
21	186Y1A0547	KALVACHERLA MANASA
22	186Y1A0548	KANJARLA MANVITHA RAO
23	186Y1A0549	KANKANALA SIRI
24	186Y1A0550	KASAM TEJASWINI
25	196Y1A0440	GADE GOWTHAMI
26	196Y1A0441	GADUDASU SRIVIDYA
27	196Y1A0442	GAI DHAKSHAYANI
28	196Y1A0443	GANABOINA RACHANA
29	196Y1A0444	GATTIKOPPULA INDRAJA
30	196Y1A0445	GOGIKAR PRATHUSHA
31	196Y1A0446	GORANTALA SHREYA
32	196Y1A0447	GURRAM AKHILA

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WARANGAL - 506 371 (TS) coordinator



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Students Eligible for Certification as per Eligibility Criteria

Course: PCB Designing

Date: 12-05-2021 to 30-06-2021

Sno	Roll no	Name	Marks
1	186Y1A0596	RAZEENA ZUYA	20
2	186Y1A0597	RUDROJU AKSHAYA	25
3	186Y1A0598	SABAHATH SAMREEN	25
4	186Y1A0599	SAINDLA SHIVANI	21
5	186Y1A05A0	SAMRA ALEEM	21
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27	196Y1A0562	MITTAPALLI SRAVANI	19
28	196Y1A0563	MOGILI TRIVEDHA	19
29	196Y1A0564	MOHAMMED REENA	20

Rajan
Principal

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31	206Y1A0433	MADASU MADHU SREE	25
32	206Y1A0434	MANDA AISHWARYA	21
33	206Y1A0435	MANDA KEERTHANA	21
34	206Y1A0436	MATTA RAGINI	19
35	206Y1A0437	MUNAVATH APARNA	19
36	206Y1A0438	NAKIRTHA SUSHMA	20
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61	186Y1A0540	GURRAPU PRAVEENA	21

Ananthasagar, Hasanparthy, Warangal -506371, Telangana. Website: www.sritw.org

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66	186Y1A0545	KADARI SRIVIDYA	25
67	186Y1A0546	KALSANI MADHUMITHA	21
68	186Y1A0547	KALVACHERLA MANASA	21
69	186Y1A0548	KANJARLA MANVITHA RAO	19
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76	196Y1A0444	GATTIKOPPULA INDRAJA	19
77	196Y1A0445	GOGIKAR PRATHUSHA	19
78	196Y1A0446	GORANTALA SHREYA	20
79	196Y1A0447	GURRAM AKHILA	25

Rijan

Principal *G. Rajitha*
Course-coordinator

Sumathi Reddy Institute of Technology for Women

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Response sheet for PCB Designing

Total score	Name of the student	Roll no	Roll no	1. An ind	2. Trader	3. Which	4. Which	5. Why a	6. A bus	7. Which	8. The use	9. Good so	10. A new
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12.00/2K. SRILATHA--/0	206Y1A0--/0	c.An Enti 2.00/2	d. Brand 2.00/2	a.. The fi 0.00/2	a.Service 0.00/2	d. All of t 2.00/2	a.cooper 0.00/2	b.Poor fi 0.00/2	b.Entrepre 2.00/2	d. All of the 2.00/2	d.All the at 2.00/2		
14.00/2K. RAMYA --/0	206Y1A0--/0	c.An Enti 2.00/2	d. Brand 2.00/2	d. All of t 2.00/2	a.Service 0.00/2	c.They c 0.00/2	b.A franc 2.00/2	d. All of t 2.00/2	b.Entrepre 2.00/2	a.Websites 0.00/2	d.All the at 2.00/2		
12.00/2K. JYOTHI --/0	206Y1A0--/0	a.Leader 0.00/2	d. Brand 2.00/2	d. All of t 2.00/2	a.Service 0.00/2	d. All of t 2.00/2	a.cooper 0.00/2	d. All of t 2.00/2	b.Entrepre 2.00/2	a.Websites 0.00/2	d.All the at 2.00/2		
18.00/2K. VEDASREI--/0	206Y1A0--/0	c.An Enti 2.00/2	d. Brand 2.00/2	d. All of t 2.00/2	d. Agricu 0.00/2	d. All of t 2.00/2	b.A franc 2.00/2	d. All of t 2.00/2	b.Entrepre 2.00/2	d. All of the 2.00/2	d.All the at 2.00/2		
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18.00/2K. PRASANVI--/0	206Y1A0--/0	c.An Enti 2.00/2	d. Brand 2.00/2	d. All of t 2.00/2	a.Service 0.00/2	d. All of t 2.00/2	b.A franc 2.00/2	d. All of t 2.00/2	b.Entrepre 2.00/2	d. All of the 2.00/2	d.All the at 2.00/2		
10.00/2K. MEGHANA--/0	206Y1A0--/0	a.Leader 0.00/2	d. Brand 2.00/2	d. All of t 2.00/2	a.Service 0.00/2	b.They c 0.00/2	a.cooper 0.00/2	a.Lack of 0.00/2	b.Entrepre 2.00/2	d. All of the 2.00/2	d.All the at 2.00/2		
12.00/2K. SAI PRIYA--/0	206Y1A0--/0	c.An Enti 2.00/2	d. Brand 2.00/2	d. All of t 2.00/2	a.Service 0.00/2	a.They g 0.00/2	a.cooper 0.00/2	d. All of t 2.00/2	a.Seconda 0.00/2	d. All of the 2.00/2	d.All the at 2.00/2		
12.00/2K. MEGHAN--/0	206Y1A0--/0	c.An Enti 2.00/2	d. Brand 2.00/2	d. All of t 2.00/2	a.Service 0.00/2	a.They g 0.00/2	b.A franc 2.00/2	a.Lack of 0.00/2	b.Entrepre 2.00/2	a.Websites 0.00/2	d.All the at 2.00/2		



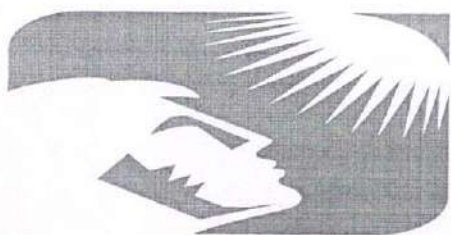
Rijan

Principal

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WARANGAL - 506 371 (TS)**

Ananthasagar, Hasanparthy, Warangal -506371, Telangana. Website: www.sritw.org

Phoneno: 0870-2818302. Email: principal@sritw.org.



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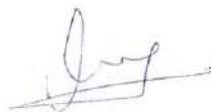
L e a r n i n g a t i t s b e s t

Certificate

This is to Certify that MANDA KEERTHANA bearing roll number 206Y1A0435 has completed course on “ PCB Designing” conducted during the period 12-05-2021 to 30-06-2021 .



Ms.G.Rajitha
Coordinator



Dr.K.Mahender
Head of the Department



Dr.I.Rajasri Reddy

 Principal

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WARANGAL - 506 371 (TS)





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L e a r n i n g a t i t s b e s t

Certificate

This is to Certify that JULURI NIKHITHA SRI bearing roll number 196Y1A0546 has completed course on “ PCB Designing “ conducted during the period 12-05-2021 to 30-06-2021 .

G. Rajitha

Ms.G.Rajitha
Coordinator

[Signature]

Dr.K.Mahender
Head of the Department

Rajai

Dr.I.Rajasri Reddy
Principal

Rajai
Principal



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