



J.B. INSTITUTE OF ENGINEERING AND TECHNOLOGY

(UGC AUTONOMOUS)

**Bhaskar Nagar, Yenkapally Village, Moinabad Mandal, R.R. District, Hyderabad -
500075**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

&

IETE STUDENT FORUM



Three DAYS WORKSHOP

On

**“PRINTED CIRCUIT BOARD
(PCB)”**

25-04-2023 TO 27-04-2023

Coordinator:

HOD-EEE

**Mrs. B.Sowmya,
Sultana**

Asst.Professor

CIRCULAR

Dr. Towheed

Professor



JB INSTITUTE OF ENGINEERING & TECHNOLOGY

UGC Autonomous

Accredited by NAAC & NBA, Approved by AICTE & Permanently Affiliated to JNTUH

From,
Team Clique,
Electronics and Communications Engineering,
J B Institute of Engineering and Technology.
20th April, 2023.

Head of The Department,
Electronics and Communications Engineering,
J B Institute of Engineering and Technology.

Subject: - Proposal to conduct a 3 Day Workshop on PCB

Respected ma'am,

We Team Clique, Department of Electronics and Communications Engineering at J B Institute of Engineering and Technology, would like to propose to conduct a 3-day Workshop on PCB, in view of Skill development. The workshop will be held from 25-04-2023 to 27-04-2023.

The Workshop Moto would be to Train Students in Handling Microcontroller prototyping platforms, Interface sensors and Display units, with Holistic approach towards Application based Project Development.

We Team Clique, hopes the department of Electronics and Communications Engineering, J B Institute of Engineering and Technology would consider our proposal to conduct this workshop for the benefit of all students of J B Institute of Engineering and Technology.

Yours Sincerely,

Team Clique.

Towheed.s

BROCHURE:

RESOURCE PERSON

DR. SYED JALAL AHMED
PROFESSOR,
DEPARTMENT OF ECE
MALLA REDDY ENGINEERING
COLLEGE, HYDERBAD

SCHEDULE

DAY 1
25-04-2023
SESSION 1 - OPENING CEREMONY - FN
SESSION 2 - 13.30 - 15.50 - AN

DAY 2
26-04-2023
SESSION 3 - 10.00 - 12.10 - FN
SESSION 4 - 13.30 - 15.50 - AN

DAY 3
27-04-2023
SESSION 5 - 10.00 - 12.10 - FN
SESSION 6 - 13.30 - 15.50 - AN

CHAIR PERSON
LATE SHRI. J BHASKAR RAO
CHAIRMAN, JBES

CHIEF PATRON
SRI. J V KRISHNA RAO
MBA HR, USA
SECRETARY
PATRONS
MAJOR GENERAL PROF
DR S S DASAKA, SM,VSM (RETD)
CEO, JBGEI

DR. P. C. KRISHNAMACHARY
PRINCIPAL, JBIET

CONVENER
DR. TOWHEED SULTANA,
HOD, ECE

ORGANIZING COMMITTEE
COORDINATORS
B. SOWMYA



UGC AUTONOMOUS
ACCREDITED BY AACSB, APPROVED BY NICTE, PERMANENTLY AFFILIATED TO JNTU

**3 DAY
WORKSHOP ON
"PCB "**

25-04-2023- 27-04-2023

VENUE
EDC LAB

**ORGANIZED BY
ELECTRONICS AND COMMUNICATION
ENGINEERING**



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

THREE-DAY WORKSHOP (23-04-2023 to 25-04-2023)

**On
“PCB WORKSHOP”**

Vision of Institute:

To be a centre of excellence in Engineering education, research and application of knowledge to benefit society with ethical values.

Mission of Institute:

1. To provide world class engineering education, encourage research and Development.
2. To evolve innovative applications of technology and develop entrepreneurship.
3. To mould the students into socially responsible and capable leaders.

Vision of ECE Department:

To be a guiding force enabling multifarious applications in Electronics and Communications Engineering, promote innovative research in the latest technologies to meet societal needs

Mission of ECE Department:

1. To provide and strengthen core competencies among the students through expert training and industry interaction.
2. To promote advanced designing and modelling skills to sustain technical development and lifelong learning in ECE.
3. To promote social responsibility and ethical values, within and outside the department.

About the Department:

The Department of ECE is best known for its talented and dedicated professionals renowned for their excellence in various specializations in the field of Electronics & Communication Engineering. For the last ten years, the students of ECE, who walked out of the portals of the institute successfully, holding their degrees, were immediately inducted into the MNCs of high reputation in India & abroad. The intake of B. Tech Program is 120 and of MTech program in VLSI System Design is 18. Department of ECE is having professional societies like IEEE, Department clubs etc.

About the Workshop:

A PCB (printed circuit board) workshop is a hands-on training session that focuses on teaching participants how to design, fabricate, and assemble their own printed circuit boards. These workshops can be tailored to different skill levels, from beginner to advanced, and may cover a variety of topics such as:

- Introduction to PCB design software
- PCB layout and design rules
- Schematic capture and symbol creation
- Component placement and routing
- Soldering and assembly techniques

Participants in a PCB workshop typically work in small groups, with each group designing and fabricating their own PCB. This provides an opportunity for participants to collaborate and learn from each other, as well as to troubleshoot any issues that arise during the design and fabrication process.

Overall, a PCB workshop can be a valuable learning experience in electronics field.

Course Goals:

The specific course goals of a PCB workshop can vary depending on the level of the participants and the duration of the workshop. However, some common course goals may include:

- Understanding the basics of PCB design: Participants should gain a fundamental understanding of PCB design principles, including schematic capture, component placement, and routing.
- Familiarity with PCB design software: Participants should become familiar with the use of industry-standard PCB design software, such as Altium, Eagle, or KiCad.
- Design and fabrication of a functional PCB: By the end of the workshop, participants should have designed and fabricated a functional PCB that meets the specifications provided.
- Soldering skills: Depending on the focus of the workshop, participants may also gain practical skills in soldering and component assembly.

By achieving these goals, participants should leave the workshop with a solid foundation in PCB design and manufacturing, as well as practical skills that can be applied to future projects.

Report on Three-Day Workshop

On

“PCB WORKSHOP”

Three-Day Workshop on “**PCB**” was conducted by the IETE ISF Department of Electronics and Communication Engineering from 25th to 27th April 2023. Dr. Syed Jalal Ahmed was the Resource Persons. Six Sessions were conducted both theory and practical. The topics covered were Introduction on PCB, Its uses and applications. Resource person enlightened the students about the scope and opportunities in this field. A quiz was conducted in the last session and feedback was collected. The workshop was concluded with vote of thanks.

Towheed S

HOD ECE

Team Number	Student Name	Roll Number	Branch	Year & Section
1	Pream Thakur	22675A0429	ECE	2nd year-B
	Shashidhar	22675A0417	ECE	2nd year-B
	Gnaneshwar	22675A0423	ECE	2nd year-B
	Chaitanya	22675A0425	ECE	2nd year-B
2	Shamsundar	22675A0431	ECE	2nd year-B
	Anvesh	22675A0420	ECE	2nd year-B
	Harsha	22675A0424	ECE	2nd year-B
	Sarish	22675A0419	ECE	2nd year-B
3	Manohari	21671A0431	ECE	2nd year-B
	Ashwitha	22675A0426	ECE	2nd year-B
	soualika	21671A0491	ECE	2nd year-B
	Rakesh	21671A0474	ECE	2nd year-B
4	Shanthi Priya	21671A0426	ECE	2nd year-A
	Bhavani	21671A0449	ECE	2nd year-A
	Savuktha	21671A0423	ECE	2nd year-A
	A.Vaishnavi	21671A0454	ECE	2nd year-B
5	Pravalika	21671A0447	ECE	2nd year-A
	Varsha	21671A0407	ECE	2nd year-A
	Vamshi	21671A0434	ECE	2nd year-A
	Naveen	21671A0438	ECE	2nd year-A
6	Akaldevu.Aparna	21671A0403	ECE	2nd year-A
	Sushma	21671A0440	ECE	2nd year-A
	Sandhya	21671A0436	ECE	2nd year-A
	Palthineni.Varshini	21671A0441	ECE	2nd year-A
7	G.Akshith Reddy	21671A0425	ECE	2nd year-A
	K.Veeravenkat	21671A0431	ECE	2nd year-A
	K.Murali	21671A0429	ECE	2nd year-A
	Bhukya.Deepak	21671A0410	ECE	2nd year-A
8	Sarfraz	21671A0482	ECE	2nd year-B
	Nagateja	21671A0476	ECE	2nd year-B
	Mahanth	21671A0457	ECE	2nd year-B
	Kishore	21671A0459	ECE	2nd year-B
9	Bharani	21671A0406	ECE	2nd year-A
	Prathibha	21671A0435	ECE	2nd year-A
	Sri Vidhya	21671A0416	ECE	2nd year-A
	Teja Sri	21671A0430	ECE	2nd year-A
10	A.Nagendra Babu	21671A0453	ECE	2nd year-B
	T.Varun Kumar	21671A0493	ECE	2nd year-B
	C.Vignesh	21671A0462	ECE	2nd year-B
	V.Nithin	21671A0496	ECE	2nd year-B
11	D.Vijay	21671A0202	EEE	2nd year-A
	Sai Teja	21671A0218	EEE	2nd year-A
	Balaji	21671A0208	EEE	2nd year-A
	Naidu	21671A0207	EEE	2nd year-A
12	Ashwini	22675A0407	ECE	2nd year-A
	Kushalraj	21671A0432	ECE	2nd year-A
	Joshna	21671A0409	ECE	2nd year-A
	Manideep	21671A0418	ECE	2nd year-A
13	Mahesh	21671A0427	ECE	2nd year-A
	Pranith Sai	21671A0442	ECE	2nd year-A
	Kadukuntla.Srinath	21671A0403	ECE	2nd year-A
	Sanjay	21671A0405	ECE	2nd year-A
14	Boga.Rishith	21671A0460	ECE	2nd year-B
	G.Sai Teja	21671A0469	ECE	2nd year-B
	K.Pranadeep Reddy	21671A0472	ECE	2nd year-B
	T.Rohith	21671A0475	ECE	2nd year-B
15	A.Maheshwar	22675A0224	EEE	2nd year-A
	M.Saikiran	21671A0206	EEE	2nd year-A
	J.Vinay kumar	22675A0206	EEE	2nd year-A
	sai vamshi	22675A0223	EEE	2nd year-A
16	Nikitha reddy	21671A0499	ECE	2nd year-B

PARTICIPANTS LIST

PHOTOGRAPHS DAY-1



SPEECH BY NIRAJ UPADHAYAYA





SPEECH BY TOWHEED SULTANA 1

PHOTOGRAPHY DAY-2



CLARIFYING DOUGHT BY THE CO-ORDINATOR TO TEAM

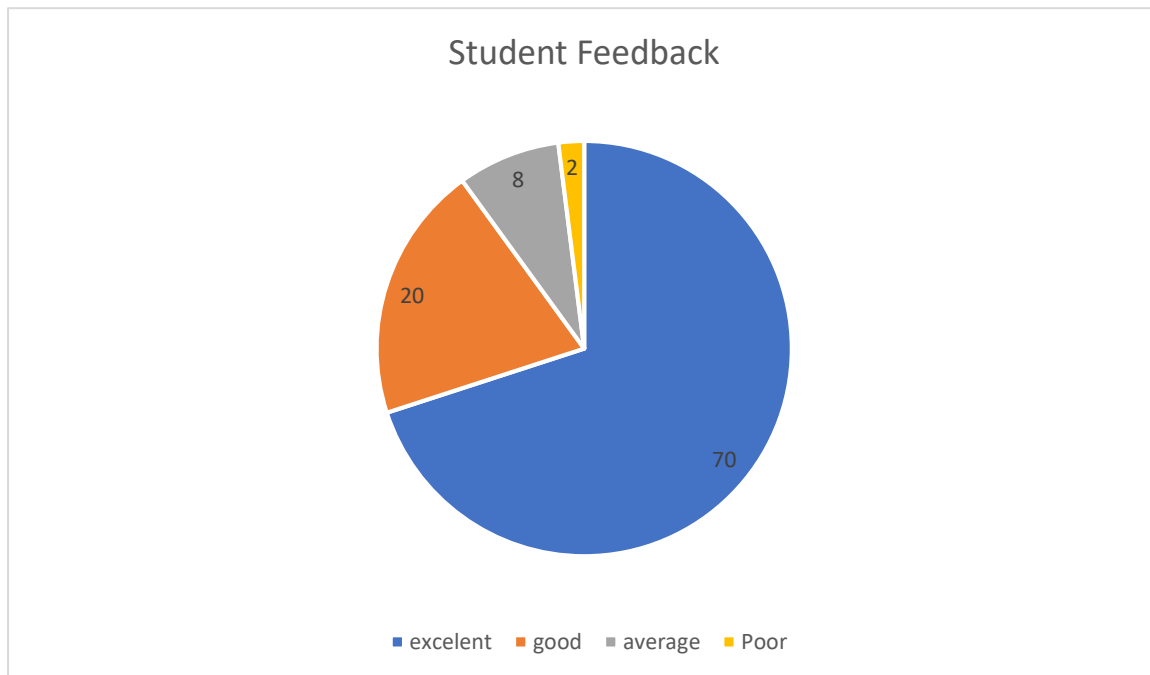


PROJECT EXPLAINING BY RESOURCE PERSON

PHOTOGRAPHY DAY-3



STUDENT FEEDBACK



Instructor:Dr. SYED JALAL AHMED

Date:APRIL 27, 2023

- The instructor was knowledgeable about this subject
- The instructor managed student's participation well
- The instructor explained concepts well.
- The instructor encouraged questions and was responsive t them.
- The instructor provided feedback and clarification during practice sessions.
- The instructor made my overall experience a positive one.
- The instructor advised me of the next class(es) that I should take.
- The instructor recommended the self-paced offering that Compliments this class.
- The instructor gave ideas for further Mini/ Major Projects

