

### Organizing Committee

#### **Patron**

Mr. M. M. Singh, Founder Secretary, NSIT  
Mr. Krishna Murari, Registrar, NSIT  
Dr. S. Singh, Director, NSIT

#### **Convener**

Dr. J. Dalei, Dean Academic, NSIT

#### **Coordinators**

Mr. Ritesh Kumar, NSIT Patna  
Mr. Deepak Kumar, NSIT Patna

#### **Organizing Members**

Mr. Nishant Kumar.  
Mrs. Kiran Singh  
Mr. Amarjeet Kumar  
Mr. Agam Kumar

EEE. Department, NSIT BIHTA

### Objective of Workshop

This is a basic course for designing of PCB using software. 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

### About the Institute

Netaji Subhas Institute of Technology established in 2007, with first batch started in 2008 has its magnificent campus at Amhara in the district of Patna, Bihar. The nearest railway station is Bihta about 2 kilometres from the institute campus and about 25 KM from Patna A railway junction the state capital and major business and Educational hub of the state. Bihta is the industrial hub and blessings nerve centre of the entire state of Bihar. NSIT, A Degree level Engineering Institute has become a "An effective source of Technocrats to the nation", with its unique infrastructural facilities of 4,00,000 Sq.Ft. of built up area on approximately 18 acres of green lustre land at Amhara, Bihta, Patna, Ambience at the campus serve and Ashram like. The college offers 4 years B.Tech courses in CSE, ECE, EEE, ME and CE.

### About the Department

The Department of EEE has a team of well qualified, experienced and dedicated faculty members with rich academic, industrial and research background. The department is fully equipped with modern electronics equipment systems with latest software. The EEE has the intake of 120 students and approved by AICTE and affiliated to AKU, Patna

### **One Week-Workshop**

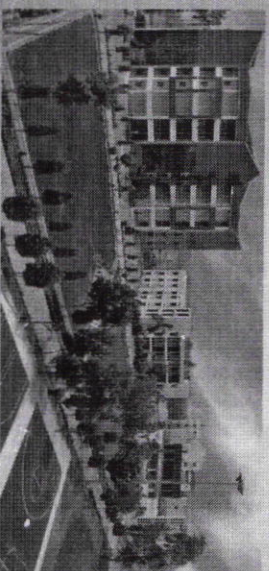
ON

### **PCB Design**

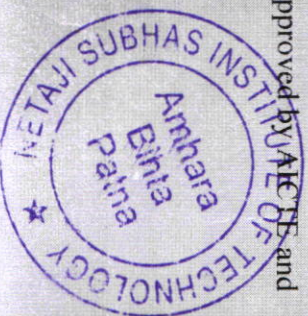


**Date: 25<sup>th</sup> July to 29<sup>th</sup> July, 2023**

**Organized by:  
Department of EEE  
NSIT Bihta Patna**



**Director**  
Netaji Subhas Institute of Technology  
Amhara, Bihta, Patna, Bihar  
PIN-801106



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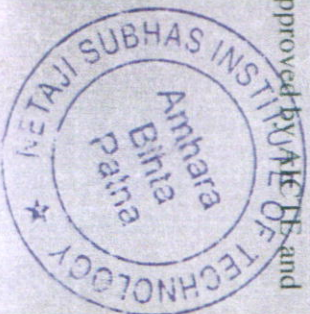
**Date: 25<sup>th</sup> July to 29<sup>th</sup> July, 2023**

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Netaji Subhas Institute of Technology  
Amhara, Bihta, Patna, Bihar  
PIN-801106

**Director**



## Course Contents

DAY-1	INTRODUCTION TO PCB DESIGN
	APPLICATIONS OF PCB DESIGN
	INTRODUCTION OF ALTIUM DESIGNER
	INSTALLATION OF ALTIUM DESIGNER
DAY-2	DESIGN OF NEW PROJECT.
	SCHEMATICS DESIGN.
	SELECTING COMPONENTS
	CREATING LIBRARIES.
DAY-3	ANALYSING A FOOTPRINT.
	ANNOTATE ALL THE COMPONENTS.
	CREATION OF A PCB LAYOUT.
	DESIGN OF SINGLE AND DOUBLE LAYER.
DAY-4	ROUTING OF COMPONENTS.
	CREATION OF GERBER AND DRILL FILES.
DAY-5	CREATION OF BOM.
	PROJECTS AND ASSESSMENTS.

### Vision of Department

To produce Electrical Engineers with energetic well rounded personalities flexible to cope escalating demands of budding technologies concerning analytical and practical skills.

### Mission of Department

- ❖ To extend the department as a prominent academic centre of learning in the discipline of electrical engineering.
- ❖ To set up research and development hub of status so as to promote active participation with industry by staff and students to take on practical problems of industry and to provide feasible solutions.
- ❖ To develop simple, suitable technologies, this will be helpful in the up-liftment of rural society.

### Resource Persons

Mathan Kumar M, Director  
Power Intergrated Solutions, Tamilnadu

### REGISTRATION

This workshop is open to the faculty members of AICTE/ UGC approved Engineering Institutes/ Universities/ under graduate students.

The participation fees Rs 300/- only

Mode of registration: - Spot

For More Information Contact us on:-  
7781020361, 7781020349, 9102403262

## REGISTRATION FORM

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Gender: M/F

Area of Work: \_\_\_\_\_

Email: \_\_\_\_\_

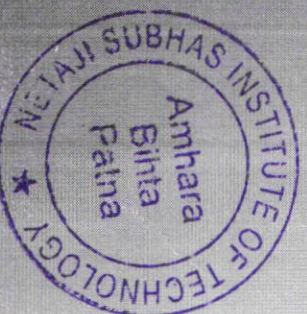
Contact no: \_\_\_\_\_

Address: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Director  
Ajai Subhas Institute of Technology  
Amhara, Bihara, Patna, Bihar  
PIN-801106





# NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, NEW DELHI AND DEPT OF SCIENCE & TECHNOLOGY, GOVT. OF BIHAR  
AFFILIATED TO BIHAR ENGINEERING UNIVERSITY, PATNA  
AMHARA, BIHTA, PATNA-801106

Date:-18-07-2023

## Notice

All 4<sup>th</sup> & 6<sup>th</sup> Semester students of EEE & ECE Department are here by informed that a workshop on “**PCB Design**” is going to be organized by Electrical and Electronics Department in association with “**Power Intergrated Solution, Tamilnadu**” from 25<sup>th</sup> July 2023 to 29<sup>th</sup> July 2023. The registration fees is Rs. 300 /-. The interested student should register their name on or before 21<sup>st</sup> July 2023.

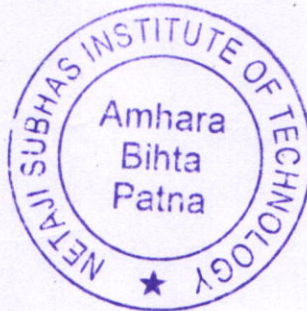
(HOD, EEE Department)

**Head of Department**

Department of Electrical & Electronics Engineering  
Netaji Subhas Institute of Technology

Copy to:

1. Dean, NSIT
2. Notice Board



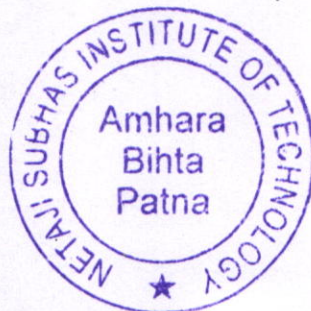
**Director**  
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**Director**  
Netaji Subhas Institute of Technology  
Amhara, Bihta, Patna, Bihar  
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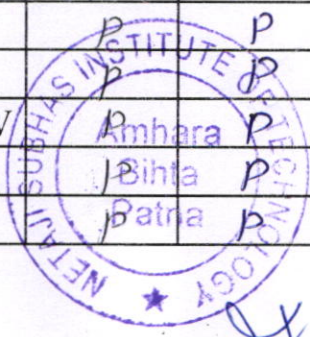
**NETAJI SUBHAS INSTITUTE OF TECHNOLOGY, BIHTA**

**Session 2022-23**

**Workshop on " PCB Design "**

**Attendance Sheet**

Sr.No	Name of Student	25th July	26th July	27th July	28th July	29th July
1	SAURAV KUMAR	P	P	P	P	P
2	ABHISHEK RAJAN	P	A	P	P	P
3	ANAND RAJ BHARTI	P	P	P	P	P
4	RASHID MAHBOOB	P	P	P	P	P
5	MOHAMMAD MUZAMMIL	P	P	P	P	P
6	SONU KUMAR	P	P	P	P	P
7	SURYA KANT	P	P	P	P	P
8	SOHANI SHARAN	P	P	P	A	P
9	JAYSHANKAR THAKUR	P	P	P	P	P
10	RISHABH KUMAR	P	P	P	P	P
11	AMISHA BHARTI	P	P	P	P	P
12	RITIKA JHA	P	P	P	P	P
13	DIVAKAR KUMAR	P	P	P	P	P
14	NIKHIL TIWARY	P	P	P	P	P
15	AISHWARYA KUMARI	P	P	P	P	P
16	SHAGUFTA HUSSAIN	A	P	P	P	P
17	ABHISHEK RAJ	P	P	P	P	P
18	JASON PAUL	P	P	P	P	P
19	CHITRASEN PRASAD RAJ	P	P	P	P	P
20	ANKIT KUMAR JHA	P	P	P	P	P
21	SHARIYA SADAF	P	P	P	P	P
22	SAUMYA KAUSHIK	P	P	P	P	P
23	BASUDEV	P	P	P	P	P
24	SHASHIKANT KUMAR	P	P	P	P	P
25	TRIPTI RAJ	P	P	P	P	P
26	TARA KANT MANI	P	P	P	P	P
27	KHUSHI	P	P	P	P	P
28	UDIT RAJ	P	P	A	P	P
29	ANUP KUMAR	P	A	P	P	P
30	ASHISH RAJ	P	P	P	P	P
31	RAJA KUMAR	P	P	P	P	P
32	ABHISHEK KUMAR YADAV	P	P	P	P	A
33	PRIYA KUMARI	P	P	P	P	P
34	LAKSHMI MINJ	P	P	P	P	P



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