



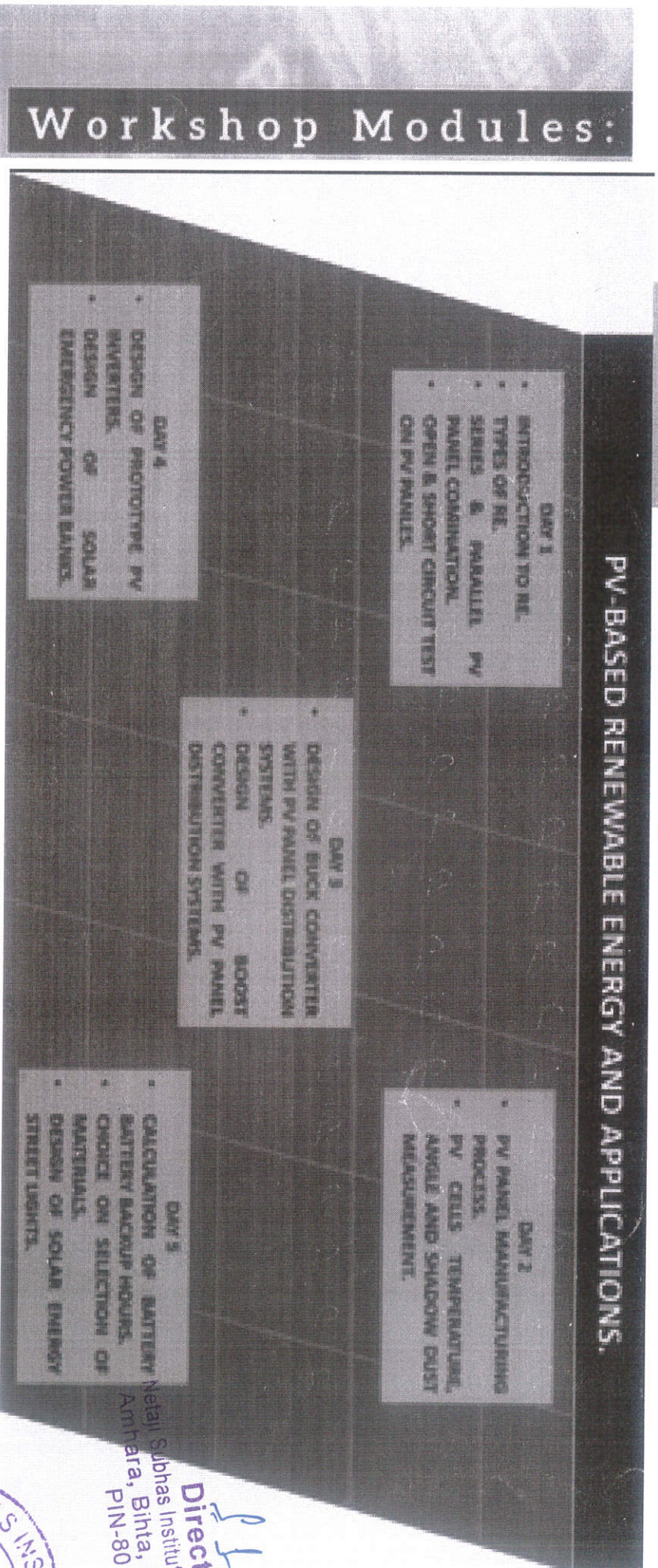
Netaji Subhas Institute of Technology

Approved by AICTE and Affiliated to AKU, Patna

Organized by Electrical and Electronics Engg.

One week workshop on PV Based Renewable Energy and its Applications

Date: 16th April 2023 to 21st April 2023




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

Coordinators

Mr. Ritesh Kumar, HOD EEE, NSIT

Mr. Deepak Kumar, EEE, NSIT

Convenor

Dr. J. Dalei

Dean Academic, NSIT

Resource Person

Mathan Kumar M

Director, PIC, Trichy





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:-10-04-2023

Notice

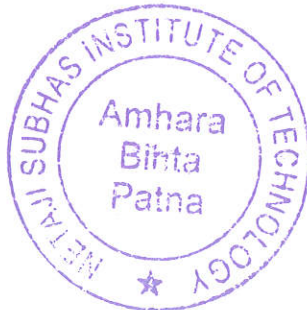
All 3rd and 5th Semester students of Electrical and Electronics Department are hereby informed that workshop on “ **PV Based Renewable Energy and its Applications**” is going to be organized by EEE Department in association with “**Power Integrated Solutions, Tamilnadu** ” from 16th April 2023 to 21st April 2023. The interested student should register their name on or before 13th April, 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
Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-801106

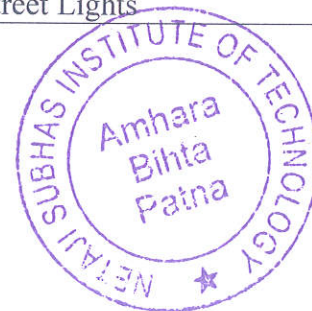
NETAJI SUBHAS INSTITUTE OF TECHNOLOGY, BIHTA

Department of Electrical & Electronics Engineering

Session 2022-23

PV-Based Renewable Energy and Applications

Day	Topic Covered
1	Introduction to RE
	Types of RE
	Series and Parallel PV Panel combination
	Open and Short circuit Test on PV panel
2	PV Panel Manufacturing Process
	PV Cells temperature angle and shadow dust measurement
3	Design of Buck Converter with PV Panel distribution systems
	Design of Boost Converter with PV panel distribution Systems
4	Design of Prototype Inverter
	Design of Solar Emergency Power Banks
5	Calculation of Battery backup Hours
	Choice of selection of Material
	Design of Solar Energy street Lights



J. Singh
Director
Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-801106

JS

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY, BIHTA

Session 2022-23

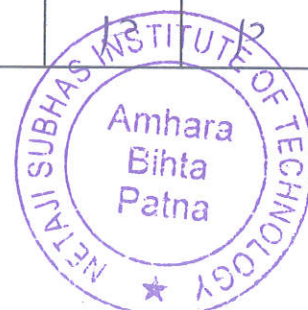
Workshop Course on "PV-Based Renewable Energy and Applications"

Attendance Sheet

Sr.No	Name of Student	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-APR
1	TARA KANT MANI	P	P	P	P	P	P
2	KHUSHI	P	P	P	P	P	P
3	UDIT RAJ	P	P	P	P	P	P
4	ANUP KUMAR	P	P	P	P	P	P
5	ASHISH RAJ	P	P	P	P	P	P
6	RAJA KUMAR	P	P	P	P	P	P
7	ABHISHEK KUMAR YADAV	P	P	P	P	P	P
8	PRIYA KUMARI	P	P	P	P	P	P
9	LAKSHMI MINJ	P	P	P	P	A	P
10	SAURAV KUMAR	P	P	P	P	P	P
11	ABHISHEK RAJAN	P	A	P	P	P	P
12	ANAND RAJ BHARTI	P	P	P	P	P	P
13	RASHID MAHBOOB	P	P	P	P	P	P
14	MOHAMMAD MUZAMMIL	P	P	P	P	P	P
15	SONU KUMAR	P	P	P	P	P	P
16	SURYA KANT	P	P	A	P	P	P
17	SOHANI SHARAN	P	P	P			P

Director

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





Sl.No: NSIT/B_tech/2023

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY (NSIT)

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(Affiliated to Bihar Engineering University, Patna)

Amhara, Bihta, Patna-801118 (Bihar)



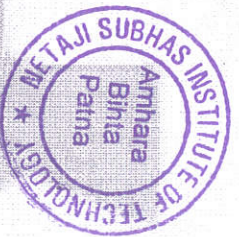
Certificate of Participation

This is to certify that Mr./Ms. Priya Kumari has successfully completed the one week workshop/Seminar in "PV Based Renewable Energy and its Application" conducted by the Department of Electrical & Electronics Engineering at **Netaji Subhas Institute of Technology, Bihta Patna** in association with **Power Integrated Solutions, Trichy** held from 16th April to 21st April 2023.

Date: 21/04/2023



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



Director
NSIT



Sl.No: NSIT/B.tech/2023

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY (NSIT)

Approved By All India Council for Technical Education (AICTE), New Delhi

(Affiliated to Bihar Engineering University, Patna)

Amhara, Bihta, Patna-801118 (Bihar)



Certificate of Participation

This is to certify that Mr./Ms. Taxa Kant Maury Reg.No. 20110103001 has successfully completed the one week workshop/Seminar in "PV Based Renewable Energy and its Application" conducted by the Department of Electrical & Electronics Engineering at **Netaji Subhas Institute of Technology, Bihta Patna** in association with **Power Integrated Solutions, Trichy** held from 16th April to 21st April 2023.

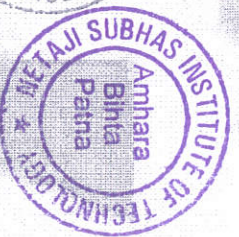
Date: 21/04/2023

[Signature]
Netaji Subhas Institute of Technology
Amhara, Bihta, Patna-801118

Director

HOD

EEE, NSIT



Director

NSIT



Power Integrated Solutions

Director