

A ONE WEEK WORKSHOP
On
MATLAB Based Power Electronics and its Drive

Organized by
Department of Electrical and Electronics Engg
Netaji Subhas Institute of Technology
Approved by AICTE and Affiliated to AKU, Patna



1st Oct to 8th Oct, 2018

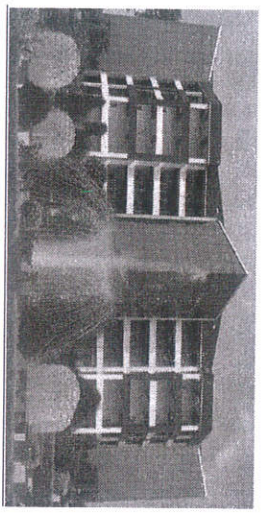
Chief Patron
Mr. M. M. Singh, Founder Secretary, NSIT

Patron
Mr. Krishna Murari, Registrar, NSIT

Convener
Dr. J. Dalei, HOD,EEE,NSIT
Mr. Rajani Ranjan, HOD,ECE, NSIT

Coordinators
Mr. Ashish Kumar, NSIT Patna
Mr. Amarjeet Kumar, NSIT Patna
Mr. P. D. Nayak, NSIT Patna
Resource Person
Mathan Kumar M, Director
Power Integrated Solutions, Tamilnadu

ABOUT NSIT BIHTA, PATNA



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. SIT, 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 lustrate 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 DEPARTMENT OF EEE

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

DEPARTMENT VISION

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

DEPARTMENT MISSION

- ❖ 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 upliftment of rural society.

OBJECTIVE

The course will focus on introduction to various power electronic systems, software tools for the design & implementation of various control methods. The program will also include case studies and will discuss practical aspects needed for the implementation of control of power electronic systems.

WORKSHOP CONTENTS

- ❖ Power Electronic Systems
- ❖ Control of Power Electronic Converter(PEC)
- ❖ Design of Power Electronic Systems
- ❖ Application of Power Electronics in Solar Panel and Wind Power System by Using MATLAB
- ❖ Wireless Power Transfer for Electrical Speed for Vehicle application

Registration Fee

The participation fees Rs 300/- only

Mode of registration :- Spot

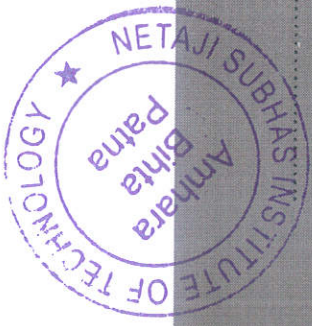
For More Information Contact us on :-

7781020359,9102403261,9102403272

Registration Form

Name:.....
Designation:.....
Organization:.....
Gender:.....
Edu. Qualification:.....
Address:.....
Mobile Number:.....
E-Mail:.....

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





NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, NEW DELHI AND DEPT OF SCIENCE & TECHNOLOGY, GOVT. OF BIHAR
AFFILIATED TO ARYABHATTA KNOWLEDGE UNIVERSITY, PATNA
AMHARA, BIHTA, PATNA-801118, BIHAR

Session 2018-2019

Date: 21-Sep-2018

Notice

It is hereby informed to all students of 3rd, 5th and 7th Semester of Electrical and Electronics Engineering department that a certificate course on “**MATLAB-Based Power Electronics and Drives**” is going to be held in the Department with Power Integrated Solution, Trichy from 01st Oct 2018 to 08th Oct 2018. The registration fee is Rs.300/-. The interested Student should register their name on or before 25th Sep, 2018

Dr. J. Dalei

(HOD, EEE Department)

Head of Department

Department of Electrical & Electronics Engineering
Netaji Subhas Institute of Technology

Copy to:

1. Director, NSIT
2. Dean, NSIT
3. Notice Board



Director
Netaji Subhas Institute of Technology
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NETAJI SUBHAS INSTITUTE OF TECHNOLOGY, BIHTA

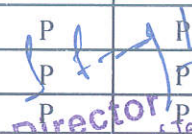
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

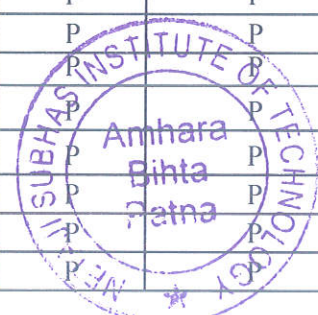
Session 2018-2019

MATLAB-Based Power Electronics and Drives

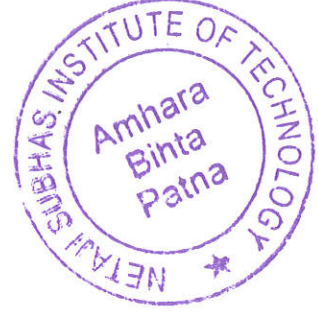
Workshop Attendance Sheet

Sr.No	Name Of Students	01-Oct	03-Oct	04-Oct	05-Oct	08-Oct
1	MD NAJISH MERAJ	P	P	P	P	P
2	ANKU KUMAR SINGH	P	P	P	P	P
3	KUMAR RISHABH	P	P	P	P	P
4	Saurav Shubham	P	P	P	P	P
5	Manish Kumar Singh	P	P	P	P	P
6	Madhu Kumari	P	P	P	P	P
7	Amrita Chandra	P	P	P	P	P
8	SHUBHAM KUMAR MISHRA	P	P	P	P	P
9	PRATYUSH PARAG	P	P	P	P	P
10	Utsav Bhardwaj	P	P	P	P	P
11	Anish Kumar	P	P	P	P	P
12	Abhishek Kumar	P	P	P	P	P
13	SONAM PRIYA	P	P	P	P	P
14	Mohit Kumar	P	P	P	P	P
15	Sonu Kumar	P	P	P	P	P
16	Pawan Kumar	P	P	P	P	P
17	RAHUL RAJ	P	P	P	P	P
18	RAJEEV RANJAN	P	P	P	P	P
19	ANKIT KUMAR	P	P	P	P	P
20	ADITYA KUMAR	P	P	P	P	P
21	ISHA KUMARI	P	P	P	P	P
22	AMRIT RAJ	P	P	P	P	P
23	RAJIV KUMAR SINGH	P	P	P	P	P
24	ASHISH KUMAR	P	P	P	P	P
25	GOPAL JEE	P	P	P	P	P
26	PRINCE RAJ	P	P	P	P	P
27	RITESH KUMAR SINGH	P	P	P	P	P
28	ALOK KUMAR	P	P	P	P	P
29	ABHISHEK KUMAR	P	P	P	P	P
30	SANDEEP KUMAR SUMAN	P	P	P	P	P
31	SUPRIYA KUMARI	P	P	P	P	P
32	PARABHAT RANJAN	P	P	P	P	P
33	NIKITA KUMARI	P	P	P	P	P
34	SWEETI KUMARI	P	P	P	P	P
35	SHRUTI RAJ	P	P	P	P	P
36	PREMLATA KUMARI	P	P	P	P	P
37	CHANDRAKANTA	P	P	P	P	P
38	AJANAS KUMARI	P	P	P	P	P
39	RAJIV KUMAR	P	P	P	P	P
40	KAUSHAL KUMAR	P	P	P	P	P
41	Gulsan	P	P	P	P	P
42	PUTUL RANI	P	P	P	P	P
43	JEEVAN DEEP	P	P	P	P	P
44	VIJAYA LAKSHMI	P	P	P	P	P
45	OMSHRESTH	P	P	P	P	P


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 Pin: 801108



46	RAJEEV RANJAN	P	P	P	P	P
47	PRANAV RAJ	P	P	P	P	P
48	Akash Nigam	P	P	P	P	P
49	Prabhat Priyadarshi	P	P	P	P	P

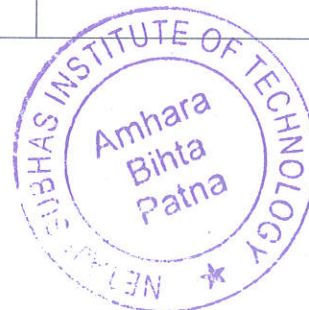


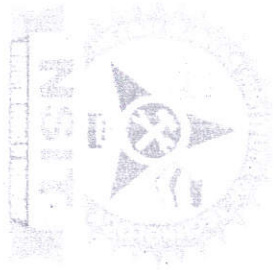

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MATLAB-BASED POWER ELECTRONICS AND DRIVES

S.NO	CONTENTS	HOURS
1	<ul style="list-style-type: none"> • Introduction to Matlab • Explaining about how to open Matlab Simulink Library. 	5Hrs
2	<ul style="list-style-type: none"> • AC and DC Functional Source Systems. • Transformer Design. 	4Hrs
3	<ul style="list-style-type: none"> • Solar Panel Construction. Wind Construction. 	4Hrs
4	<ul style="list-style-type: none"> • Boost converter • Buck converter • Buck-Boost converter • Flyback converter 	6Hrs
5	<ul style="list-style-type: none"> • Single phase Inverter • Three Phase Inverter. • Solar Coupled AC Grid System. 	7Hrs
6	<ul style="list-style-type: none"> • Wireless Power transfer for Electrical speed vehicle application. • Comparison of 5 and 7 level Inverters. • Battery Charging Converter. 	7Hrs
TOTAL HOURS		33Hrs


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NETAJI SUBHAS INSTITUTE OF TECHNOLOGY (NSIT)

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(Affiliated to Aryabhata Knowledge University, Patna)

Amhara, Bihta, Patna - 801118 (Bihar)

Id. No. NSIT/174/Dev/19/2017

Certificate of Participation

This is to certify that Mr. /Ms. **Iska Kumari**

Reg. No. **16110103012** has successfully completed the over

week workshop/Seminar in "MATLAB Based Power electronics & drive 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 1st October to 3rd

October 2018.

Date: **08-Oct-2018**

Managing Director
Power Integrated Solutions
Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-801106

HOD
E.E.E. NSIT



Director
Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar



NETAJI SUBHAS INSTITUTE OF TECHNOLOGY (NSIT)

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Amhara, Bihta, Patna - 801118 (Bihar)

Certificate of Participation

This is to certify that Mr. /Ms. **Rajeev Ranjan**

Reg.No. **18110103903** has successfully completed the one

week workshop/Seminar in "MATLAB Based Power electronics & drive

conducted by the Department of Electrical & Electronics Engineering at

Netaji Subhas Institute of Technology, Bihta Patna in association with

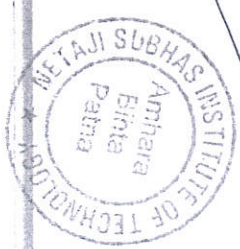
Power Integrated Solutions, Trichy held from 1st October to 9th

October 2018.

Date: **08-Oct-2018**

Managing Director
Power Integrated Solutions
Director
Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-801106

HOD
EEE. NSIT
J. Dale



Director
[Signature]
Director
Netaji Subhas Institute of Technology
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