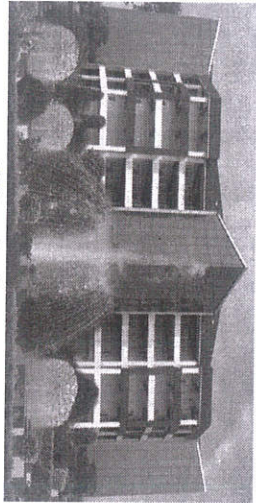




Netaji Subhas Institute of Technology

Approved by AICTE and Affiliated to AKU, Patna



Workshop

ON

Real time Embedded Systems and its Application
March 01-06, 2019

Organized by
Department of EEE

Coordinators

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

ABOUT THE COLLEGE

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 yaers 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 staff 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.

OBJECTIVE

The objective of this workshop is to provide students to learn embedded systems and the devices used to control, monitor or assist the operation of equipment, machinery or plant. "Embedded" reflects the fact that they are an integral part of the system.

WORKSHOP CONTENTS

- ❖ Basic knowledge of Embedded system and its applications
- ❖ Basic knowledge of Microcontroller's system and its applications
- ❖ Hardware development, prototyping, Testing and Commissioning

Registration Fee

The participation fees Rs 1100/-

Mode of registration :- Spot

For More Information Contact us on :-
7781020349, 7781020361, 9102403261

RESOURCE PERSON

Mathan Kumar M, Director
Power Integrated Solutions, Trichy

PATRONS

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

EVENT CHAIR

Dr. Aniket Dutt, Dean, NSIT

CONVENOR

Dr. J. Daler, HOD, EEE, NSIT

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 : 16-02-2019

Notice

It is hereby informed to all students of 4th, 6th and 8th Semester of Electrical and Electronics Engineering department that a certificate course on Real time Embedded Systems and its Application is going to be held in the Department with Power Integrated Solution, Trichy from 1st March 2019 to 6th March 2019. The registration fee is Rs.1100/-. The interested Student should register their name on or before 25th Feb, 2019.

J Dalei

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



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

E MBEDEDDED SYSTEMS AND APPLICATIONS SYLLABUS.

S.NO	CONTENTS	DURATION
1.	<ol style="list-style-type: none"> 1. INTRODUCTION AND BASIC IDEA ABOUT EMBEDDED SYSTEMS. 2. BRIEF THEORY AND APPLICATION FOR EMBEDDED SYSTEMS. 3. INTRODUCTION TO MICRO-CONTROLLERS. 4. ARCHITECTURE OF MICRO-CONTROLLERS. 	4 HOURS
2	<ol style="list-style-type: none"> 1. THEORY AND PRACTICAL IDEA OF LED WITH MICRO-CONTROLLERS. 2. TRAFFIC LIGHT PROJECT WITH MICRO-CONTROLLERS. 	4 HOURS
	<ol style="list-style-type: none"> 1. THEORY AND PRACTICAL IDEA OF LCD APPLICATION WITH MICRO-CONTROLLERS. 2. THEORY AND PRACTICAL IDEA OF MULTILINE LCD APPLICATION WITH MICRO-CONTROLLERS. 	4 HOURS
3.	<ol style="list-style-type: none"> 1. THEORY AND PRACTICAL IDEA FOR MOTOR WITH MICRO-CONTROLLERS. 2. MULTI-LOAD CONTROL WITH MICROCONTROLLERS. 	4 HOURS
4	<ol style="list-style-type: none"> 1. THEORY AND PRACTICAL IMPLEMENTATION OF IR SENSOR 2. THEORY AND PRACTICAL IMPLEMENTATION OF RAIN SENSOR. 	3 HOURS
5	<ol style="list-style-type: none"> 1. THEORY AND PRACTICAL IMPLEMENTATION OF GAS SENSOR. 2. THEORY AND PRACTICAL IMPLEMENTATION OF MOISTURE SENSORS. 	3 HOURS
6	<ol style="list-style-type: none"> 1. THEORY AND PRACTICAL IMPLEMENTATION OF MULTI - SENSORS. 	4 HOURS
7	1. GSM AND GPS INTERFACE.	3 HOURS
8	PROJECT EXPO	3 HOURS
	TOTAL	32 HOURS


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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

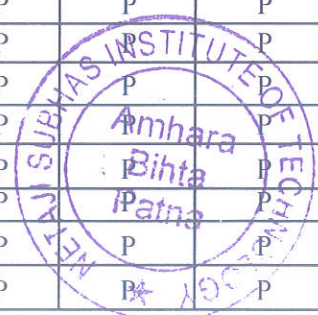
Session 2018-2019

Real time Embedded Systems and its application

Workshop Attendance Sheet

Sr.No	Name Of Students	01-Mar	02-Mar	03-Mar	04-Mar	05-Mar	06-Mar
1	MD NAJISH MERAJ	P	P	P	P	P	P
2	ANKU KUMAR SINGH	P	P	P	P	P	P
3	KUMAR RISHABH	P	P	P	P	P	P
4	Saurav Shubham	P	P	P	P	P	P
5	Manish Kumar Singh	P	P	P	P	P	P
6	Madhu Kumari	P	P	P	P	P	P
7	Amrita Chandra	P	P	P	P	P	P
8	SHUBHAM KUMAR MISHRA	P	P	P	P	P	P
9	PRATYUSH PARAG	P	P	P	P	P	P
10	Utsav Bhardwaj	P	P	P	P	P	P
11	Anish Kumar	P	P	P	P	P	P
12	Abhishek Kumar	P	P	P	P	P	P
13	SONAM PRIYA	P	P	P	P	P	P
14	Mohit Kumar	P	P	P	P	P	P
15	Sonu Kumar	P	P	P	P	P	P
16	Pawan Kumar	P	P	P	P	P	P
17	RAHUL RAJ	P	P	P	P	P	P
18	RAJEEV RANJAN	P	P	P	P	P	P
19	ANKIT KUMAR	P	P	P	P	P	P
20	ADITYA KUMAR	P	P	P	P	P	P
21	ISHA KUMARI	P	P	P	P	P	P
22	AMRIT RAJ	P	P	P	P	P	P
23	RAJIV KUMAR SINGH	P	P	P	P	P	P
24	ASHISH KUMAR	P	P	P	P	P	P
25	GOPAL JEE	P	P	P	P	P	P
26	PRINCE RAJ	P	P	P	P	P	P
27	RITESH KUMAR SINGH	P	P	P	P	P	P
28	ALOK KUMAR	P	P	P	P	P	P
29	ABHISHEK KUMAR	P	P	P	P	P	P
30	SANDEEP KUMAR SUMAN	P	P	P	P	P	P
31	SUPRIYA KUMARI	P	P	P	P	P	P
32	PALLAVI KUMARI	P	P	P	P	P	P
33	PARABHAT RANJAN	P	P	P	P	P	P
34	NIKITA KUMARI	P	P	P	P	P	P
35	ASHISH KUMAR	P	P	P	P	P	P
36	SWEETI KUMARI	P	P	P	P	P	P
38	SHRUTI RAJ	P	P	P	P	P	P
39	PREMLATA KUMARI	P	P	P	P	P	P
40	CHANDRAKANTA	P	P	P	P	P	P
41	AJANAS KUMARI	P	P	P	P	P	P
42	RAJIV KUMAR	P	P	P	P	P	P
43	SANJANA KUMARI	P	P	P	P	P	P
44	KAUSHAL KUMAR	P	P	P	P	P	P
45	PUTUL RANI	P	P	P	P	P	P
46	PUTUL RANI	P	P	P	P	P	P

Director
 Netaji Subhas Institute of Technology
 Amhara, Bihta, Patna,
 Bihar, PIN-801108



47	JEEVAN DEEP	P	P	P	P	P	P
48	VIJAYA LAKSHMI	P	P	P	P	P	P
49	OMSHRESTH	P	P	P	P	P	P
50	RAJEEV RANJAN	P	P	P	P	P	P
51	PRANAV RAJ	P	P	P	P	P	P
52	Akash Nigam	P	P	P	P	P	P
53	Prabhat Priyadarshi	P	P	P	P	P	P




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

WORKSHOP ON EMBEDDED SYSTEM ORGANIZED BY POWER INTEGRATED SOLUTIONS, TRICHY

DATE- 9/3/19

SL. NO.	NAME	SEM	ROLL NO.	SIGNATURE
1	Amit Roy	6th	164003	Amit Roy
2	Rajveer Ranjan	6th	164099	Rajveer Ranjan
3	Poonalata Kumari	6th	164035	Poonalata
4	Ajanas kumari	6th	164045	Ajanas kumari
5	Sanjana Kumari	6th	164048	Sanjana Kumari
6	Supriya Kumari	6th	164022	Supriya Kumari
7	Shreya	6th	162032	Shreya
8	Surechi kumari	6th	164033	Surechi kumari
9	Chandriakanta	6th	164044	Chandriakanta
10	Vijaya Lakshmi	6th	164091	Vijaya Lakshmi
11	Nikita Kumari	6th	164028	Nikita Kumari
12	Amrita Chandra	4th	174017	Amrita Chandra
13	Ankur kr. Singh	4th	174006	Ankur kr. Singh
14	Mohit Kumar	4th	174033	Mohit Kumar
15	Abhishek kr.	4th	174027	Abhishek kr.
16	Mukesh kr	6th	164070	Mukesh kr
17	Pranav Raj	6th	164066	Pranav Raj
18	Pranav Raj	6th	164101	Pranav Raj
19	Rajiv Kumar	6th	164047	Rajiv Kumar
20	Jeevandeep	6th	164090	Jeevandeep
21				



Director

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

ATTENDANCE SHEET

WORKSHOP ON EMBEDDED SYSTEM ORGANIZED BY POWER INTEGRATED SOLUTIONS, TRICHY

DATE- 2/3/19

SL. NO.	NAME	SEM	ROLL NO.	SIGNATURE
1	AMRIT RAJ	6th	164003	Amrit Raj
2	Ramalakshmi Kumari	6th	164035	Ramalakshmi
3	Ajaya Kumari	6th	164045	Ajaya Kumari
4	Shreya	6th	162032	Shreya
5	Supriya Kumari	6th	164022	Supriya
6	Sanjana Kumari	6th	164048	Sanjana Kumari
7	Sweethi Kumari	6th	164033	Sweethi Kumari
8	Vijaya Lakshmi	6th	164091	Vijaya Lakshmi
9	Chandrakanta	6th	164044	Chandrakanta
10	Nikita Kumari	6th	164027	Nikita
11	Amrita chandea	4th	174017	Amrita chandea
12	Anura K. Singh	4th	174006	Anura K. Singh
13	Abhishek K.	4th	174002	Abhishek K.
14	Mahit Kumari	4th	174033	Mahit Kumari
15	Mukesh K	6th	164070	Mukesh K
16	Pahamati Palbed	6th	164066	Pahamati Palbed
17	Pranav Raj	6th	164101	Pranav Raj
18	Rajiv Kumar	6th	164047	Rajiv Kumar
19	Jeevan Deep	6th	164090	Jeevan Deep
20	Rajeev Ranjan	6th	164099	Rajeev Ranjan
21				

Director

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

Stamp
2/3/19



Director

Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-301106

Work-shop Evaluation Form
(EMBEDDED SYSTEM)

1) What is your overall assessment of the event? (1 = insufficient - 5 = excellent)

1 2 3 4 5

2) Which topics or aspects of the workshop did you find most interesting or useful?

- LCD Programming
- Temp. sensor
- LED Blink
- _____
- _____

3) Did the workshop achieve the programme objectives?

Yes No

If no, why?

4) Knowledge and information gained from participation at this event?

Met your expectations

Yes No Somehow

Will be useful/applicable in my work

Definitely Mostly Somehow Not at all

5) How do you think the workshop could have been made more effective?

If they provided input and output both result at a
simultaneous same time


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



Name

Work-shop Evaluation Form (EMBEDDED SYSTEM)

1) What is your overall assessment of the event? (1 = insufficient - 5 = excellent)

1 2 3 4 5

2) Which topics or aspects of the workshop did you find most interesting or useful?

- LED
- LCD
- MOTOR ROBO
- BUZZER

3) Did the workshop achieve the programme objectives?

Yes No

If no, why?

4) Knowledge and information gained from participation at this event?

Met your expectations

Yes No Somehow

Will be useful/applicable in my work

Definitely Mostly Somehow Not at all

5) How do you think the workshop could have been made more effective?

FOR THE UPCOMING PROJECT IN COLLEGE AND
SOME OTHER FIELD.


Director
Matai Subhas Institute of Technology
Ananara, Bihta, Patna, Bihar
PIN-801106

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY (NSIT)

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

(Affiliated to Aryabhata Knowledge University, Patna)

Amhara, Bihta, Patna - 801108 (Bihar)

New Delhi - 110029

Certificate of Participation

Mr./Ms. **Jeevan Deep**

164090

has successfully completed the one day workshop/Seminar in "Real Time Embedded Systems and its Application" conducted by the Department of Electrical & Electronics Engineering at Netaji Subhas Institute of Technology, Bihta, Patna, Bihar in collaboration with **Power Integrated Solutions, Trichy** held from

15th to 16th March 2019

Director

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

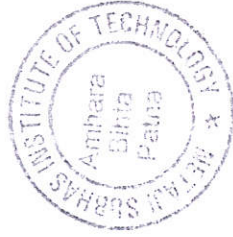
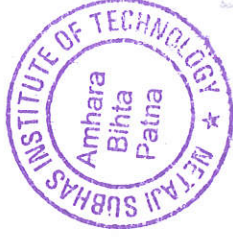
6/3/19



[Signature]
Director

HOD

EEE, NSIT



[Signature]

Director

Director

Netaji Subhas Institute of Technology

Amhara, Bihta, Patna, Bihar

PIN-801106

Approved By All India Council for Technical Education (AICTE), New Delhi
(Affiliated to Aryabhata Knowledge University, Patna)

Amhara, Bihta, Patna - 801106 (Bihar)

Certificate of Participation

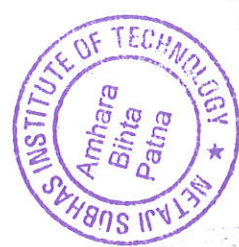
We hereby certify that Mr./Ms. **Anku Kr. Singh**

174006

has successfully completed the ongoing workshop/Seminar in "Real Time Embedded Systems and its Application" conducted by the Department of Electrical & Electronics Engineering at Netaji Subhas Institute of Technology, Bihar, Patna, India in association with **Power Integrated Solutions, Trichy** held from

to **6/3/19** March 2019.

6/3/19



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



HOD
EEE, NSIT

Managing Director
Power Integrated Solutions

[Signature]
Director