



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

## Requisition Letter

From  
Dr.S,Ramamoorthy  
Professor & Head,  
Department of EEE,  
Bharath Institute of Higher Education and Research,  
Chennai

Date: 12.1.21

To  
The Dean Engineering,  
Bharath Institute of Higher Education and Research,  
Chennai

Respected sir

Subject : Request of Permission to conduct a value added course on “Course on Smart Electric Grid” (online) -Reg

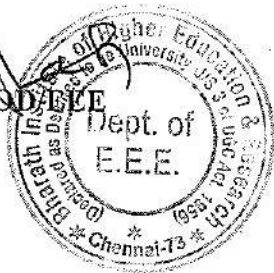
With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on “Course on Smart Electric Grid” on 15.2.21.

Dr.S.Prakash , Asso prof/ EEE, Chennai would deliver lecture for the above mentioned course. 52 students would be participating in this course. We request you kindly to give permission to organize this event.

Timing : 9 am to 4 pm

Submitted to Principal for approval to organize this value added course.

HOD/EEE



DEAN ENGINEERING



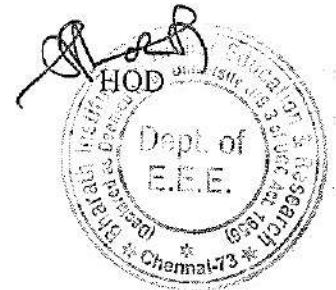
**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
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**CIRCULAR**

**SCHOOL OF ELECTRICAL ENGINEERING**

Date: 12.1.21

A value added course on “**Course on Smart Electric Grid**” is planned by the School of Electrical Engineering on **15/2/2021**. In this regard, students are instructed to give their willingness and confirm their participation to their respective class in charge before **10.2.2021**. Course commences on **15.2.2021** and it would be conducted for five days (**15/2/2021 to 19/2/2021**) from **9.00 AM to 4.00 P.M.**



Copy to

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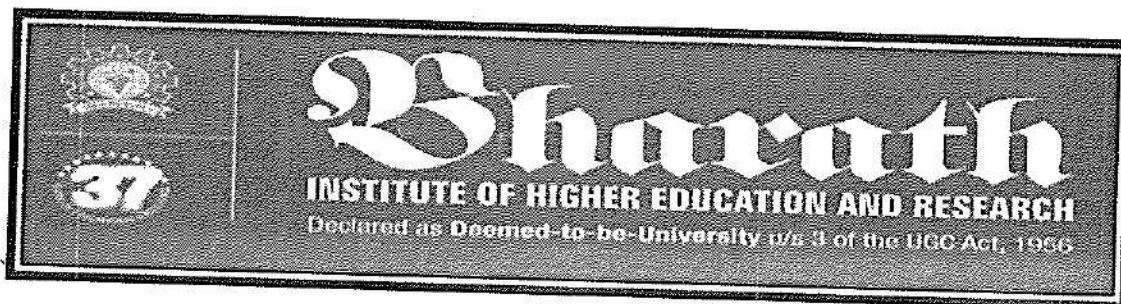
**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE FOR YEAR (2020-2021)**

**COURSE ON SMART ELECTRIC GRID**

S.NO	REGISTER NUMBER	STUDENTS NAME
1.	U13EE016	KAJAL KIRAN
2.	U13EE017	S.KIRUBHA RAM CHANDAR
3.	U13EE018	MD.SERAJUDDIN
4.	U13EE019	MUDALIAR SANGHAVI.B
5.	U13EE020	NACHI SHANKAR KARTHEEK
6.	U13EE021	NALINEE SINGH
7.	U13EE022	NARESH KUMAR YADAV
8.	U13EE023	PANKAJ KUMAR MAHTO
9.	U13EE024	PAWAN KUMAR
10.	U13EE025	PIYUSH RAJ
11.	U13EE026	PRAVEEN.M
12.	U13EE027	PRIYA KUMARI
13.	U13EE028	RAHUL KUMAR
14.	U13EE029	RAHUL KUMAR YADAV
15.	U13EE030	RAJA SINGH
16.	U13EE031	RAMENDRA SHRIWASTAV
17.	U13EE032	RAVI RANJAN KUMAR
18.	U13EE033	ROHIT KUMAR
19.	U13EE034	GN.Y.RUPPESH
20.	U13EE036	SAHUL YASR ARAFATH
21.	U13EE037	S. SANDEEP
22.	U13EE038	SANJEET KUMAR
23.	U13EE039	SAROJ KUMAR SINGH
24.	U13EE041	SHANTI KUMARI GUPTA
25.	U13EE042	SHEKH NOORALAM
26.	U13EE045	SUJEETH KUMAR
27.	U13EE046	SUJEETH KUMAR
28.	U12EC020	KAVITHA S
29.	U12EC021	KUMAR GAURAV
30.	U12EC022	KUMARI AYAGAT
31.	U12EC013	DHINESHKUMAR N
32.	U12EC014	DINESH KUMAR P

33.	U12EC015	GHATTAMANENI LEKHA
34.	U12EC016	GUNTAKA CHENNA REDDY
35.	U12EC017	JANAKI RAMAN S
36.	U12EC018	JEBIN SAM B
37.	U12EC019	JOTHI KRISHNAN R
38.	U12EC020	KAVITHA S
39.	U12EC021	KUMAR GAURAV
40.	U12EC022	KUMARI AYAGAT
41.	U12EC023	KUMBAKONAM KARTHIK
42.	U12EC024	KURAPATI SRIHARIREDDY
43.	U12EC025	M NAVEENKUMAR GOUD
44.	U12EC026	MAHAKASH BOSE
45.	U12EC027	MANAB JYOTI BARUAH
46.	U12EC028	MANIRATNAM KUMAR
47.	U12EC029	MANJIT RAY CHOWDHURY
48.	U12EC030	MOHAMED KASIM N
49.	U12EC031	MONISHA M
50.	U12EC032	NAMRTA KUMARI
51.	U12EC033	PETETI DINESH
52.	U12EC034	PETETI SRI TEJA



**SCHOOL OF ELECTRICAL ENGINEERING**  
**COURSE ON SMART ELECTRIC GRID**

**SCHEDULE**

Contact Hours : 32 hrs

DATE	SESSION	Contact Hours	TOPICS	Resource person
15.2.2021	FN	9.00 am to 12.30 pm	Basic Introduction To Smart Electric Grid	Dr.S.Prakash
	AN	1.30 pm to 4 pm	Supervised Learning-Based Fault Location in Power Grids	Mr.Gopi Krishnan
16.2.2021	FN	9.00 am to 12.30 pm	Energy Development Goal	Mrs. S.Anitha
	AN	1.30 pm to 4 pm	Big Data and Monitoring the Grid	Mrs.S.Sherine
17.2.2021	FN	9.00 am to 12.30 pm	Energy Development Strategy and Enlightenment F	Mr. Prasath
	AN	1.30 pm to 4 pm	Integration of Distributed Energy Resources under the Trans active Energy Structure In The Future Smart Distribution Networks	Mrs.V.Jayalakshmi
18.2.2021	FN	9.00 am to 12.30 pm	Energy Management Software and Tools	Mr.S.P.Vjayaragavan

	AN	1.30 pm to 4 pm	Innovation in Global Energy Interconnection Technologies	Ms.R.Rathika
19.2.2021	FN	9.00 am to 12.30 pm	Features of Energy Development	Mr.Ramanathan
	AN	1.30 pm to 4 pm	Hands on Training on smart electric grid	Dr.S.Prakash



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**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE - COURSE ON SMART ELECTRIC GRID**

<b>FEEDBACK FORM</b>		<b>Date: 19/2/2021</b>			
<b>Name</b>	Kajal Kiran				
<b>Register Number</b>	UIBEE016				
<b>Phone Number</b>					
<b>Email address</b>					
	<b>Poor</b>	<b>Fair</b>	<b>Good</b>	<b>Very Good</b>	<b>Excellent</b>
<b>Overall Program</b>				/	
<b>Resource person</b>				/	
<b>Audio visual aids &amp; Technology used</b>				/	
<b>Presentation Handouts</b>				/	

*Kajal*

Student's Signature



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**VALUE ADDED COURSE - COURSE ON SMART ELECTRIC GRID**

FEEDBACK FORM		Date: 19/2/2021			
Name	Dowran Kumar				
Register Number	V13EE0824				
Phone Number	8056744581				
Email address					
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
Resource person				✓	
Audio visual aids & Technology used				✓	
Presentation Handouts				✓	

*Dowran Kumar*  
Student's Signature





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**SCHOOL OF ELECTRICAL ENGINEERING**

**CERTIFICATE OF PARTICIPATION**

This is to certify that Mr / Ms **RAJA SINGH (U13EE030)**

has attended Value added Course On “Course on Smart Electric Grid”  
organized by the School of Electrical Engineering, BIHER conducted  
from 15/2/2021 to 19/2/2021

  
COURSE COORDINATOR

  
CONVENOR

**Requisition Letter**

From  
Dr.S,Ramamoorthy  
Professor & Head,  
Department of EEE,  
Bharath Institute of Higher Education and Research,  
Chennai

Date: 5.2.21

To  
The Dean Engineering,  
Bharath Institute of Higher Education and Research,  
Chennai

**commences**

Respected sir

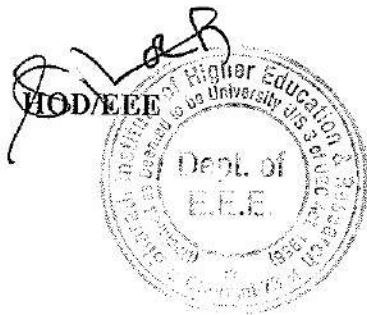
Subject : Request of Permission to conduct a value added course on “Certificate Course on Solar And Smart Energy Systems (online) -Reg


With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on “Certificate Course on Solar And Smart Energy Systems” for five days (7/3/2021 to 11/3/2021)

Mr. Krishnamoorthy, Asst.Exe.Eng.TNEB , Chennai would deliver lecture for the above mentioned course. 56 students would be participating in this course. We request you kindly to give permission to organize this event.

Timing : 9 am to 4 pm

Submitted to Principal for approval to organize this value added course.



  
DEAN ENGINEERING



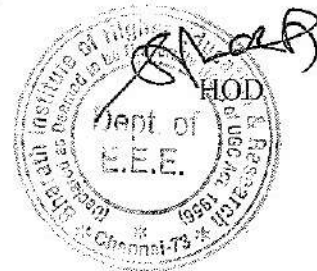
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**CIRCULAR**

**SCHOOL OF ELECTRICAL ENGINEERING**

Date: 5.2.21

A value added course on “**Certificate Course on Solar and Smart Energy Systems**” is planned by the School of Electrical Engineering on **7/3/2021**. In this regard, students are instructed to give their willingness and confirm their participation to their respective class in charge before 1.3.2021. Course commences on 7.3.2021 and it would be conducted for five days (**7/3/2021 to 11/3/2021**) from 9.00 AM to 4.00 P.M.



Copy to

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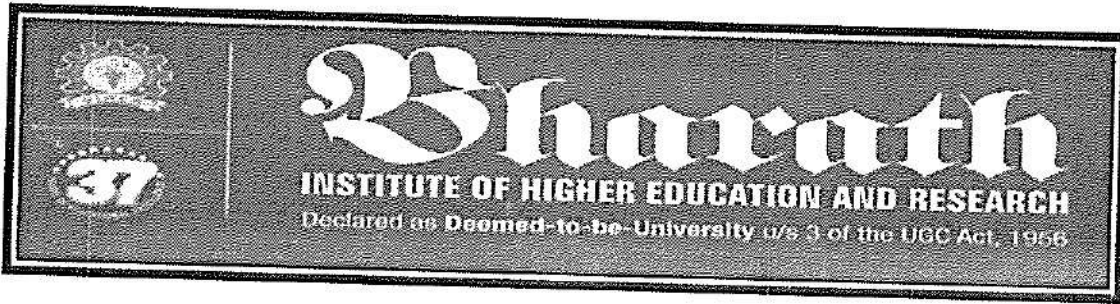
## SCHOOL OF ELECTRICAL ENGINEERING

### VALUE ADDED COURSE FOR YEAR (2020-2021)

#### CERTIFICATE COURSE ON SOLAR AND SMART ENERGY SYSTEMS

S.NO	REGISTER NUMBER	STUDENTS NAME
1.	U13EE001	ABDUL RAB
2.	U13EE002	ABHISHEK KUMAR
3.	U13EE003	ALOK KUMAR
4.	U13EE005	ASHISH KUMAR YADAV
5.	U13EE006	ASHOK PASWAN
6.	U13EE007	BASHEMPHANG KHARBITHAI
7.	U13EE008	BHOGENDRA PRASADYADAV
8.	U13EE009	CHINTOO KUMAR
9.	U13EE010	CHIRANJIV MOHANTY
10.	U13EE011	DEEPAK KUMAR
11.	U13EE012	DEEPAK TOPPO
12.	U13EE013	DHARMANDRA KUMAR SAHU
13.	U13EE015	GANESAN.D
14.	U12EC006	AVANI RANJAN
15.	U12EC007	BALAJI P
16.	U12EC008	BLESSNI VASANTHA N S
17.	U12EC009	BODDU KOUSIK REDDY
18.	U12EC010	CHANDESHWAR KUMAR
19.	U12EC011	CHINNA ANKANNAGARI ARUNA
20.	U12EC012	DHAMODARAN N
21.	U12EC013	DHINESHKUMAR N
22.	U12EC014	DINESH KUMAR P
23.	U12EC015	GHATTAMANENI LEKHA
24.	U12EC016	GUNTAKA CHENNA REDDY
25.	U12EC017	JANAKI RAMAN S
26.	U12EC018	JEBIN SAM B
27.	U12EC019	JOTHI KRISHNAN R
28.	U12EC020	KAVITHA S
29.	U12EC021	KUMAR GAURAV
30.	U12EC022	KUMARI AYAGAT

31.	U12EC013	DHINESHKUMAR N
32.	U12EC014	DINESH KUMAR P
33.	U12EC015	GHATTAMANENI LEKHA
34.	U12EC016	GUNTAKA CHENNA REDDY
35.	U12EC017	JANAKI RAMAN S
36.	U12EC018	JEBIN SAM B
37.	U12EC019	JOTHI KRISHNAN R
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44.	U12EC026	MAHAKASH BOSE
45.	U12EC027	MANAB JYOTI BARUAH
46.	U12EC028	MANIRATNAM KUMAR
47.	U12EC029	MANJIT RAY CHOWDHURY
48.	U12EC030	MOHAMED KASIM N
49.	U12EC031	MONISHA M
50.	U12EC032	NAMRITA KUMARI
51.	U12EC033	PETETI DINESH
52.	U12EC034	PETETI SRI TEJA
53.	U12EC035	PRINCE PORWAL
54.	U12EC036	PUSHKIN
55.	U12EC038	RAJ
56.	U12EC039	RANJITHKUMAR M



**SCHOOL OF ELECTRICAL ENGINEERING**

**CERTIFICATE COURSE ON SOLAR AND SMART ENERGY SYSTEMS**

**SCHEDULE**

**Contact Hours : 32 hrs**

DATE	SESSI ON	Contact Hours	TOPICS	Resource person
7.3.2021	FN	9.00 am to 12.30 pm	Renewable Energy - An Introduction	Mr. Krishnamoorthy
	AN	1.30 pm to 4 pm	Solar Panel – Functioning & Applications	Dr. S.Ramamoorthy
8.3.2021	FN	9.00 am to 12.30 pm	Smart Energy Systems – Necessity & Implementation	Mr.Prasath
	AN	1.30 pm to 4 pm	Solar Mobile Charger Testing	Mr.Guna Sekaran
9.3.2021	FN	9.00 am to 12.30 pm	Microcontroller – Architecture and Development Board - Design & Components	Mr.Lingeswaran
	AN	1.30 pm to 4 pm	Digital Sensor – Circuit And Calibration	Mr.S.P.Vjayaragavan
10.3.2021	FN	9.00 am to 12.30 pm	Traffic Controlled System-Design And Implementation	Ms.R.Rathika
	AN	1.30 pm to 4 pm	Programming - Embedded C Programming, Ide & Flashing	Mrs. S.Anitha

11.3.2021	FN	9.00 am to 12.30 pm	Hands On Training - Solar And Smart Energy Systems	Mrs.S.Sherine
	AN	1.30 pm to 4 pm	Hands On Training - Solar And Smart Energy Systems	Dr.S.Prakash



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**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE - CERTIFICATE COURSE ON SOLAR AND  
SMART ENERGY SYSTEMS**

FEEDBACK FORM		Date: 11/3/2021			
Name	Shlok Kumar				
Register Number	V13EG013				
Phone Number					
Email address					
	Poor	Fair	Good	Very Good	Excellent
Overall Program				/	
Resource person				/	
Audio visual aids & Technology used				/	
Presentation Handouts				/	

Student's Signature





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**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE - CERTIFICATE COURSE ON SOLAR AND  
SMART ENERGY SYSTEMS**

FEEDBACK FORM		Date: 11/3/2021			
Name	ABHISHEK Kumar				
Register Number	U1386009				
Phone Number	8656 454873				
Email address					
	Poor	Fair	Good	Very Good	Excellent
Overall Program			✓		
Resource person				✓	
Audio visual aids & Technology used				✓	
Presentation Handouts				✓	

*Abhishek*

Student's Signature



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**SCHOOL OF ELECTRICAL ENGINEERING**

**CERTIFICATE OF PARTICIPATION**

This is to certify that Mr / Ms **ROHIT KUMAR (U13EE033)**

has attended Value added Course On “**Certificate Course on Solar And Smart Energy Systems**” organized by the School of Electrical Engineering, BIHER conducted from **7/3/2021 to 11/3/2021**

  
COURSE COORDINATOR

  
CONVENOR



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
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## Requisition Letter

From  
Dr.S,Ramamoorthy  
Professor & Head,  
Department of EEE,  
Bharath Institute of Higher Education and Research,  
Chennai

Date: 15.4.21

To  
The Dean Engineering,  
Bharath Institute of Higher Education and Research,  
Chennai

Respected sir

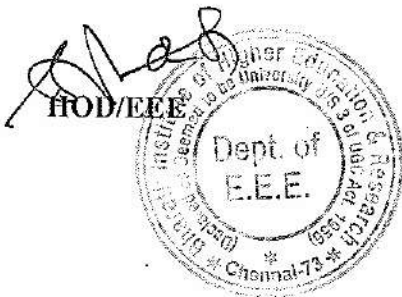
Subject : Request of Permission to conduct a value added course on on “Mastering RTOS: Hands on RTOS and STM32Fx with Debugging” (online) -Reg


With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on on “Mastering RTOS: Hands on RTOS and STM32Fx with Debugging” for five days (11/4/2021 to 15/4/2021)

Mr. M.Vijayan, Powertech Solutions, Chennai would deliver lecture for the above mentioned course. 56 students would be participating in this course. We request you kindly to give permission to organize this event.

Timing : 9 am to 4 pm

Submitted to Principal for approval to organize this value added course.



  
DEAN ENGINEERING



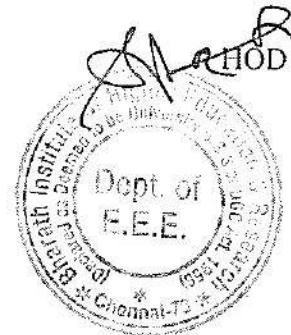
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**CIRCULAR**

**SCHOOL OF ELECTRICAL ENGINEERING**

Date: 10.3.21

A value added course on “Mastering RTOS: Hands on RTOS and STM32Fx with Debugging” is planned by the School of Electrical Engineering on 11/4/2021. In this regard, students are instructed to give their willingness and confirm their participation to their respective class in charge before 6.4.2021. Course commences on 11.4.2021 and it would be conducted for five days (11/4/2021 to 15/4/2021) from 9.00 AM to 4.00 P.M.



Copy to

Department of ECE

Notice Board/ Department of EEE



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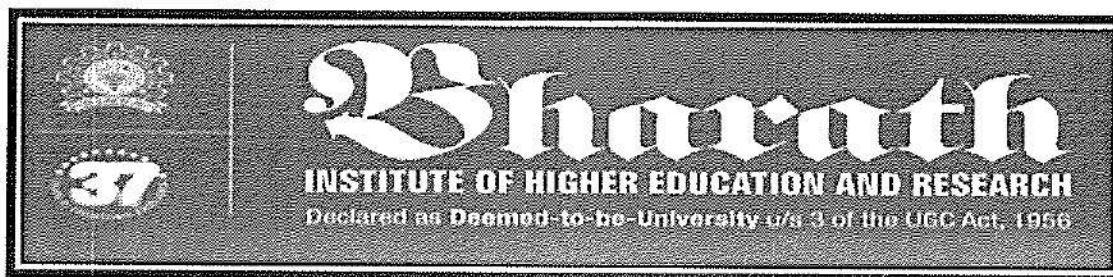
## SCHOOL OF ELECTRICAL ENGINEERING

### VALUE ADDED COURSE FOR YEAR (2020-2021)

#### MASTERING RTOS: HANDS ON RTOS AND STM32FX WITH DEBUGGING

S.NO	REGISTER NUMBER	STUDENTS NAME
1.	U13EE701	SANTHOSH KUMAR.P
2.	U13EE702	C.MUKUNDAN
3.	U13EE703	ARIVUSELVAM M
4.	U13EE704	S.MATHAN KUMAR
5.	U13EE705	PHERLYSHA KHARPURI
6.	U13EE706	R.SARATH KUMAR
7.	U13EE707	K.PRAVEEN KUMAR
8.	U13EE712	SUDHANSHU PATEL
9.	U13EE713	SHEKHAR KUMAR
10.	U13EE025	PIYUSH RAJ
11.	U13EE026	PRAVEEN.M
12.	U13EE027	PRIYA KUMARI
13.	U13EE028	RAHUL KUMAR
14.	U13EE029	RAHUL KUMAR YADAV
15.	U13EE030	RAJA SINGH
16.	U13EE031	RAMENDRA SHRIWASTAV
17.	U13EE032	RAVI RANJAN KUMAR
18.	U13EE033	ROHIT KUMAR
19.	U13EE034	GN.Y.RUPPESH
20.	U13EE036	SAHUL YASR ARAFATH
21.	U13EE037	S. SANDEEP
22.	U13EE038	SANJEET KUMAR
23.	U13EE039	SAROJ KUMAR SINGH
24.	U13EE041	SHANTI KUMARI GUPTA
25.	U13EE042	SHEKH NOORALAM
26.	U13EE045	SUJEETH KUMAR
27.	U13EE046	SUJEETH KUMAR
28.	U12EC020	KAVITHA S
29.	U12EC021	KUMAR GAURAV

30.	U12EC022	KUMARI AYAGAT
31.	U12EC023	KUMBAKONAM KARTHIK
32.	U12EC024	KURAPATI SRIHARIREDDY
33.	U12EC025	M NAVEENKUMAR GOUD
34.	U12EC026	MAHAKASH BOSE
35.	U12EC027	MANAB JYOTI BARUAH
36.	U12EC028	MANIRATNAM KUMAR
37.	U12EC029	MANJIT RAY CHOWDHURY
38.	U12EC030	MOHAMED KASIM N
39.	U13EC013	DAMODARAN M
40.	U13EC014	DEEPAK KUMAR
41.	U13EC015	DEEPAN R
42.	U13EC016	DEEPSHIKHA KUMARI
43.	U13EC017	DEVENDRA PRIYANKA SUNDER
44.	U13EC018	ELVIS RYNTONG
45.	U13EC019	G RAHUL REDDY
46.	U13EC020	ISWARYA S
47.	U13EC021	JAYED AHMED LASKAR
48.	U13EC023	KUMARI PRIYANKA
49.	U13EC024	MD ANIS
50.	U13EC025	MURALITHARAN N
51.	U13EC026	NABIL NAIDU S
52.	U13EC027	NADAR PAVITRA KESHAVAN
53.	U13EC028	NAVEEN KANNAN N
54.	U13EC029	NIRAJ KUMAR
55.	U13EC030	P PRAVEEN
56.	U13EC031	PRAVEEN KUMAR V



**SCHOOL OF ELECTRICAL ENGINEERING**

**MASTERING RTOS: HANDS ON RTOS AND STM32FX WITH DEBUGGING**

**SCHEDULE**

**Contact Hours : 32 hrs**

DATE	SESSION	Contact Hours	TOPICS	Resource person
11.4.2021	FN	9.00 am to 12.30 pm	Understanding Various RTOS Concepts With Free RTOS Programming And Debugging	Mr. M.Vijayan
	AN	1.30 pm to 4 pm	Using STM32 Standard Peripheral Driver APIs to Configure Peripherals	Mr.Guna Sekaran
12.4.2021	FN	9.00 am to 12.30 pm	Important Scheduling Policies Of Free RTOS Scheduler	Mrs. S.Anitha
	AN	1.30 pm to 4 pm	Learn Complete Step By Step Method To Run Free RTOS On STM32 MCUS Using Openstm32 System Workbench	Mr.Lingeswaran
13.4.2021	FN	9.00 am to 12.30 pm	Free RTOS Queue Management like Creation, Sending, Receiving, Blocking, Etc	Dr.S.Prakash
	AN	1.30 pm to 4 pm	Synchronization between Multiple Events And A Task	Mrs.V.Jayalakshmi
14.4.2021	FN	9.00 am to 12.30 pm	Understanding Complete ARM Cortex M and Free RTOS Priority Model and Its Configuration Related Information's	Mr.S.P.Vjayaragavan
	AN	1.30 pm to 4 pm	Understanding Context Switching With In Detail Code Explanation	Ms.R.Rathika
15.4.2021	FN	9.00 am to 12.30 pm	Low Power Instructions Use Case In Free RTOS Scenario	Ms.Aarthi Suriya S

	AN	1.30 pm to 4 pm	Lots of Coding Exercises	Mr.v.Raj Kumar
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**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE - Mastering RTOS: Hands on RTOS and  
STM32Fx with Debugging**

FEEDBACK FORM		Date: 15/4/2021			
Name	Sathosh Kumar .p				
Register Number	UJEE 701				
Phone Number	8056 445 810				
Email address					
	Poor	Fair	Good	Very Good	Excellent
Overall Program			/		
Resource person			/		
Audio visual aids & Technology used			/		
Presentation Handouts			/		

*Sathosh*

Student's Signature



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
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## SCHOOL OF ELECTRICAL ENGINEERING

### VALUE ADDED COURSE - Mastering RTOS: Hands on RTOS and STM32Fx with Debugging

FEEDBACK FORM		Date: 15/4/2021			
Name	Raja Singh				
Register Number	U13EE030				
Phone Number	701 96 78 096				
Email address					
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
Resource person				✓	
Audio visual aids & Technology used				✓	
Presentation Handouts				✓	

Student's Signature



**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Deemed as Deemed - to - be - University under section 3 of UGC Act 1956)


**SCHOOL OF ELECTRICAL ENGINEERING**

**CERTIFICATE OF PARTICIPATION**

This is to certify that Mr / Ms **S.KIRUBHA RAM CHANDAR (U13EE017)**

has attended Value added Course On “**Mastering RTOS: Hands on RTOS and STM32Fx with Debugging**” organized by the School of Electrical Engineering,

BIHER conducted from **11/4/2021 to 15/4/2021**

  
COURSE COORDINATOR

  
CONVENOR



**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

### Requisition Letter

From  
Dr.S,Ramamoorthy  
Professor & Head,  
Department of EEE,  
Bharath Institute of Higher Education and Research,  
Chennai

Date: 13.2.21

To  
The Dean Engineering,  
Bharath Institute of Higher Education and Research,  
Chennai

Respected sir

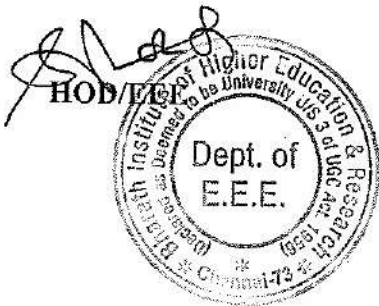
Subject : Request of Permission to conduct a value added course on “Recent Trends And Applications In Smart Grids And Microgrids ” (online) -Reg


With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on “Recent Trends And Applications In Smart Grids And Microgrids ” for five days (13/3/2021 to 17/3/2021).

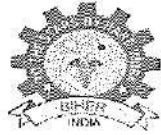
Mrs. Aparna, Asst.Exe.Eng.TNEB, Chennai would deliver lecture for the above mentioned course. 56 students would be participating in this course. We request you kindly to give permission to organize this event.

Timing : 9 am to 4 pm

Submitted to Principal for approval to organize this value added course.



  
DEAN ENGINEERING



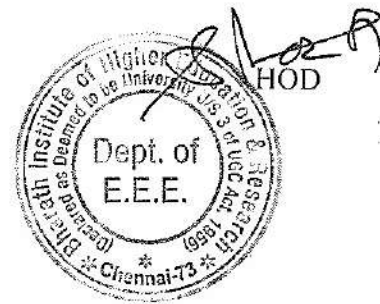
**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

**CIRCULAR**

**SCHOOL OF ELECTRICAL ENGINEERING**

Date: 21.2.21

A value added course on “Recent Trends and Applications in Smart Grids and Microgrids” is planned by the School of Electrical Engineering on 13/3/2021. In this regard, students are instructed to give their willingness and confirm their participation to their respective class in charge before 8.3.2021. Course commences on 13.3.2021 and it would be conducted for five days (13/3/2021 to 17/3/2021) from 9.00 AM to 4.00 P.M.



Copy to

Department of ECE

Notice Board/ Department of EEE



# Bharath

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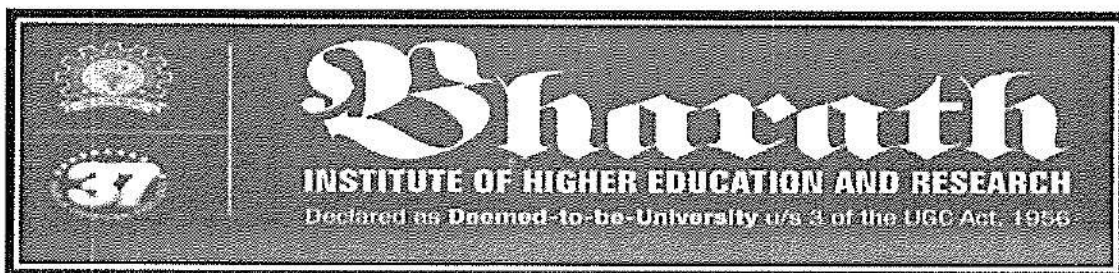
## SCHOOL OF ELECTRICAL ENGINEERING

### VALUE ADDED COURSE FOR YEAR (2020-2021)

### RECENT TRENDS AND APPLICATIONS IN SMART GRIDS AND MICROGRIDS

S.NO	REGISTER NUMBER	STUDENTS NAME
1.	U13EE001	ABDUL RAB
2.	U13EE002	ABHISHEK KUMAR
3.	U13EE003	ALOK KUMAR
4.	U13EE005	ASHISH KUMAR YADAV
5.	U13EE006	ASHOK PASWAN
6.	U13EE007	BASHEMPHANG KHARBITHAI
7.	U13EE008	BHOGENDRA PRASADYADAV
8.	U13EE009	CHINTOO KUMAR
9.	U13EE010	CHIRANJIV MOHANTY
10.	U13EE011	DEEPAK KUMAR
11.	U13EE012	DEEPAK TOPPO
12.	U13EE013	DHARMANDRA KUMAR SAHU
13.	U13EE015	GANESAN.D
14.	U12EC006	AVANI RANJAN
15.	U12EC007	BALAJI P
16.	U12EC008	BLESSNI VASANTHA N S
17.	U12EC009	BODDU KOUSIK REDDY
18.	U12EC010	CHANDESHWAR KUMAR
19.	U12EC011	CHINNA ANKANNAGARI ARUNA
20.	U12EC012	DHAMODARAN N
21.	U12EC013	DHINESHKUMAR N
22.	U12EC014	DINESH KUMAR P
23.	U12EC015	GHATTAMANENI LEKHA
24.	U12EC016	GUNTAKA CHENNA REDDY
25.	U12EC017	JANAKI RAMAN S
26.	U12EC018	JEBIN SAM B
27.	U12EC019	JOTHI KRISHNAN R
28.	U12EC020	KAVITHA S

29.	U12EC021	KUMAR GAURAV
30.	U12EC022	KUMARI AYAGAT
31.	U12EC024	KURAPATI SRIHARIREDDY
32.	U12EC025	M NAVEENKUMAR GOUD
33.	U12EC026	MAHAKASH BOSE
34.	U12EC027	MANAB JYOTI BARUAH
35.	U12EC028	MANIRATNAM KUMAR
36.	U12EC029	MANJIT RAY CHOWDHURY
37.	U12EC030	MOHAMED KASIM N
38.	U12EC031	MONISHA M
39.	U12EC032	NAMRTA KUMARI
40.	U12EC033	PETETI DINESH
41.	U12EC034	PETETI SRI TEJA
42.	U12EC035	PRINCE PORWAL
43.	U12EC036	PUSHKIN
44.	U12EC038	RAJ
45.	U12EC039	RANJITHKUMAR M
46.	U12EC040	RAVINDRA KUMAR RAUSHAN
47.	U12EC041	RODDA HEMANTH KUMAR
48.	U12EC042	SAIRAGHUL M
49.	U12EC043	SANDEEP KUMAR SINGH
50.	U12EC044	SANDIP SINGH
51.	U12EC045	SAROJ KUMAR
52.	U12EC046	SATISH KUMAR K
53.	U12EC047	SHANMUGAM S
54.	U12EC048	SIVA SHANKARI B
55.	U12EC049	SOLOMON RAJA K
56.	U12EC050	SRI LAKSHMI P



**SCHOOL OF ELECTRICAL ENGINEERING**

**RECENT TRENDS AND APPLICATIONS IN SMART GRIDS AND MICROGRIDS**

**SCHEDULE**

Contact Hours : 32 hrs

DATE	SESSION	Contact Hours	TOPICS	Resource person
13.3.2021	FN	9.00 am to 12.30 pm	Quick Overview Of EE Power	Mrs.Aparna
	AN	1.30 pm to 4 pm	Components of a Smart Grid	M.Prem Kumar
14.3.2021	FN	9.00 am to 12.30 pm	Sensors, Embedded Processors	Dr.S.Prakash
	AN	1.30 pm to 4 pm	– Integration With Other Hardware	Mrs.V.Jayalakshmi
15.3.2021	FN	9.00 am to 12.30 pm	Grid Integration of Renewables	Mr.Lingeswaran
	AN	1.30 pm to 4 pm	AMI - Application of Smart Meters and Real-Time Pricing	Mr.S.P.Vjayaragavan
16.3.2021	FN	9.00 am to 12.30 pm	Integration of Energy Resources as Micro-Grid	Mrs.R.Rathika
	AN	1.30 pm to 4 pm	Communications Bandwidth for "Fast" Wide Area Applications Time Delays, GPS Time-Tagging	Mrs. S.Anitha
17.3.2021	FN	9.00 am to 12.30 pm	Information Security, Privacy – Complexity, Reliability Of Technology Applications Themselves.	Mrs.S.Sherine



	AN	1.30 pm to 4 pm	Hands on Training On RECENT TRENDS AND APPLICATIONS IN SMART GRIDS AND MICROGRIDS '	Mr. Prasath
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# Sharath

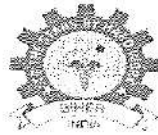
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
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## SCHOOL OF ELECTRICAL ENGINEERING

### VALUE ADDED COURSE - RECENT TRENDS AND APPLICATIONS IN SMART GRIDS AND MICROGRIDS

FEEDBACK FORM		Date: 17/3/2021			
Name	Abdul Rob				
Register Number	U13EE001				
Phone Number	9966246473				
Email address					
	Poor	Fair	Good	Very Good	Excellent
Overall Program			✓		
Resource person				✓	
Audio visual aids & Technology used				✓	
Presentation Handouts				✓	

*Abdul*  
Student's Signature



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

## SCHOOL OF ELECTRICAL ENGINEERING

### VALUE ADDED COURSE - RECENT TRENDS AND APPLICATIONS IN SMART GRIDS AND MICROGRIDS

FEEDBACK FORM		Date: 17/3/2021			
Name	Deepak Kumar				
Register Number	U13EE011				
Phone Number	8056445890				
Email address					
	Poor	Fair	Good	Very Good	Excellent
Overall Program			✓		
Resource person				✓	
Audio visual aids & Technology used			✓		
Presentation Handouts				✓	

*Deepak*

Student's Signature



**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of U.G. Act 1956)

**SCHOOL OF ELECTRICAL ENGINEERING**

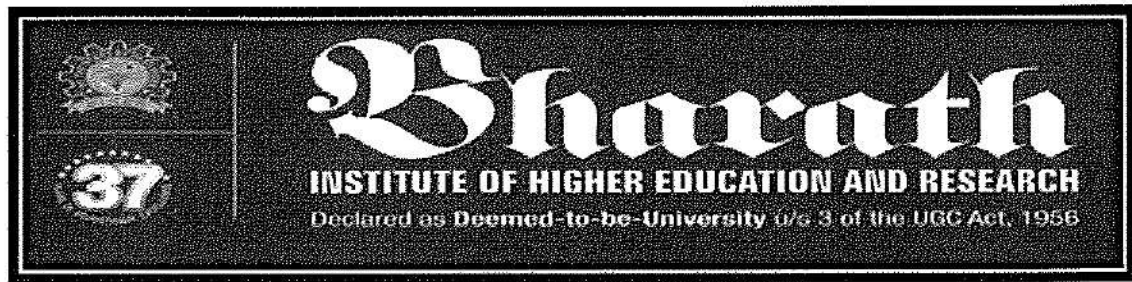
**CERTIFICATE OF PARTICIPATION**

This is to certify that Mr / Ms NALINEE SINGH (U13EE021)

has attended Value added Course On “Recent Trends And Applications  
In Smart Grids And Microgrids” organized by the School of Electrical  
Engineering, BIHER conducted from 13/3/2021 to 17/3/2021

  
COURSE COORDINATOR

  
CONVENOR



## **SCHOOL OF ELECTRICAL ENGINEERING**

**Value Added Courses (2020-2021)**

### **A Short Term Course On Arduino For IOT(Online)**

#### **Course Objective**

This course focuses on the latest microcontrollers with application development, product design and prototyping and a basic understanding of electronics and microprocessors. The Internet of Things (IOT) is the next wave, world is going to witness. Today we live in an era of connected devices (mobile phones, computers etc.), the future is of connected things (Eg: home appliances, vehicles, lamp-posts, personal accessories, your pets, industrial equipment's and everything which you use in day-to-day life). Internet of Things (IoT) is a network infrastructure that connects physical objects and software applications wirelessly, allowing them to communicate with each other and exchange data via the cloud. In this instructor-led, live training, participants will learn the fundamentals of IoT as they step through the creation of an Arduino-based IoT sensor system.

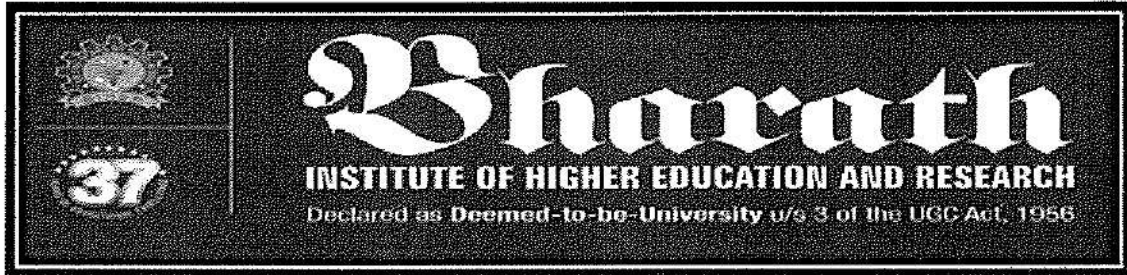
#### **Resource Persons :**

- 1.Mr.B.Karthick
- 2.Ms.M.Jasmin
- 3.Ms.S.Philomina

**Convener**

**Dr.M.Sundararajan**

**HOD/ECE**



**CIRCULAR**

**SCHOOL OF ELECTRICAL ENGINEERING**

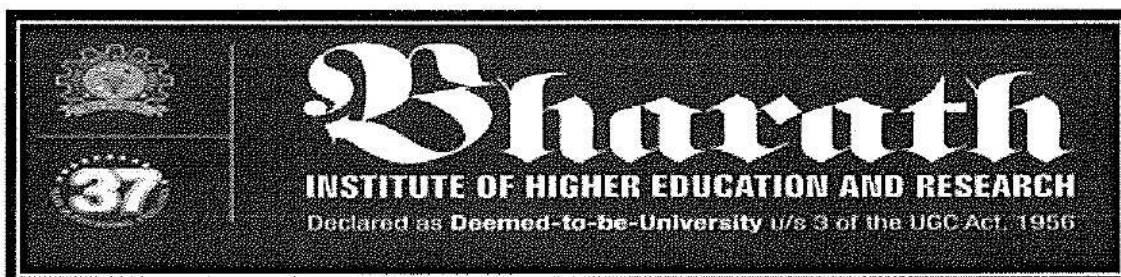
**Date: 20.01.2021**

The course on A Short Term Course On Arduino For IOT is planned by School of Electrical Engineering which commences on 09-02-2021. In this regard the students are requested to give their willingness to Course Coordinator. It is instructed to actively participate and get benefitted for the certified course.

Course Coordinator: T.Vijayan  
Contact No: 9894857331  
Email id : vijayan.ece@bharathuniv.ac.in

  
(Dr.M.Sundararajan)  
HOD/ECE

To,  
Copy to ECE Department,  
Copy to EEE Department,  
Department Notice Board



## SCHOOL OF ELECTRICAL ENGINEERING

### A Short Term Course on Arduino for IOT

#### SCHEDULE

**Contact Hours: 31hrs.**

DATE	SESSION	Contact Hours	TOPICS	Resource person
9/2/2021	FN	9.00 am to 12.30 pm	Understanding the IoT ecosystem devices, platforms, and applications	Mr.B.Karthick
	AN	1.30 pm to 4 pm	Overview of IoT Components Analog sensors and Digital sensors	Ms.S.Philomina
10/2/2021	FN	9.00 am to 12.30 pm	Programming an Arduino IoT Device Preparing the development environment (Arduino IDE)	Mr.B.Karthick
	AN	1.30 pm to 4 pm	Working with Arduino Communication Modules Bluetooth Modules	Ms.M.Jasmin
11/2/2021	FN	9.00 am to 12.30 pm	Blynk Mobile App for IoT Installing Blynk	Ms.S.Philomina
	AN	1.30 pm to 4 pm	Interfacing Arduino and Blynk via USB LED Blinking Controlling a Servomotor	Ms.M.Jasmin
12/2/2021	FN	9.00 am to 12.30 pm	ESP8266 Wi-Fi Serial Module	Mr.B.Karthick
	AN	1.30 pm to 4 pm	Creating an IoT Temperature and Humidity Sensor System	Ms.S.Philomina
13/2/2021	FN	9.00 am to 12.30 pm	Interfacing the Hardware: Arduino, ESP8266 Wi-Fi Module, and DHT-22 Sensor	Ms.M.Jasmin
	AN	1.30 pm to 4 pm	Running your Arduino IoT Sensor System Troubleshooting	Ms.S.Philomina

**VALUE ADDED COURSE**  
**SCHOOL OF ELECTRICAL ENGINEERING**

**A Short Term Course On Arduino For IOT**

**List Of Participants**

**Date:09.02.2021**

Sl.no	REG.NO	NAME OF THE CANDIDATE
1	U12EC001	ABHISHEK KUMAR
2	U12EC002	AMARAVATHI S
3	U12EC003	AMIT KUMAR
4	U12EC004	ANKUR PANDEY
5	U12EC005	ARSHIYA MIZBA
6	U12EC006	AVANI RANJAN
7	U12EC007	BALAJI P
8	U12EC008	BLESSNI VASANTHA N S
9	U12EC009	BODDU KOUSIK REDDY
10	U12EC010	CHANDESHWAR KUMAR
11	U12EC011	CHINNA ANKANNAGARI ARUNA
12	U12EC012	DHAMODARAN N
13	U12EC013	DHINESHKUMAR N
14	U12EC014	DINESH KUMAR P
15	U12EC015	GHATTAMANENI LEKHA
16	U12EC016	GUNTAKA CHENNA REDDY
17	U12EC017	JANAKI RAMAN S
18	U12EC018	JEBIN SAM B



19	U12EC019	JOTHI KRISHNAN R
20	U12EC020	KAVITHA S
21	U12EC021	KUMAR GAURAV
22	U12EC022	KUMARI AYAGAT
23	U12EC023	KUMBAKONAM KARTHIK
24	U12EC024	KURAPATI SRIHARIREDDY
25	U12EC025	M NAVEENKUMAR GOUD
26	U12EC026	MAHAKASH BOSE
27	U12EC027	MANAB JYOTI BARUAH
28	U12EC028	MANIRATNAM KUMAR
29	U12EC029	MANJIT RAY CHOWDHURY
30	U12EC030	MOHAMED KASIM N
31	U12EC031	MONISHA M
32	U12EC032	NAMRTA KUMARI
33	U12EC033	PETETI DINESH
34	U12EC034	PETETI SRI TEJA
35	U12EC035	PRINCE PORWAL
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39	U12EC040	RAVINDRA KUMAR RAUSHAN
40	U12EC041	RODDA HEMANTH KUMAR
41	U12EC042	SAIRAGHUL M
42	U12EC043	SANDEEP KUMAR SINGH
43	U12EC044	SANDIP SINGH

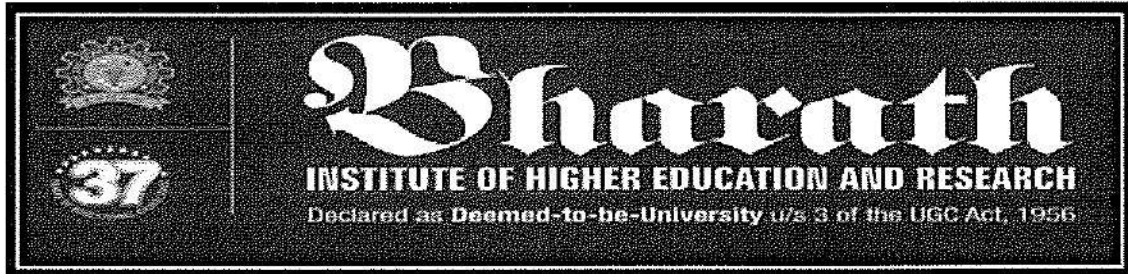
44	U12EC045	SAROJ KUMAR
45	U12EC046	SATISH KUMAR K
46	U12EC047	SHANMUGAM S
47	U12EC048	SIVA SHANKARI B
48	U12EC049	SOLOMON RAJA K
49	U12EC050	SRI LAKSHMI P
50	U12EC051	SRIDHAR MOHAN
51	U12EC052	SRIVATSAN V
52	U12EC053	SRIVIDHYA S
53	U12EC054	SUBHADEEP MAZUMDER
54	U12EC055	SUBIN D
55	U12EC056	SUGANDHAN S
56	U12EE008	DWARAKESH B.
57	U12EE013	HARIHARAN K.
58	U12EE018	LOKESHWARAN S.



**Convener**

**Dr.M.Sundararajan**

**HOD/ECE**



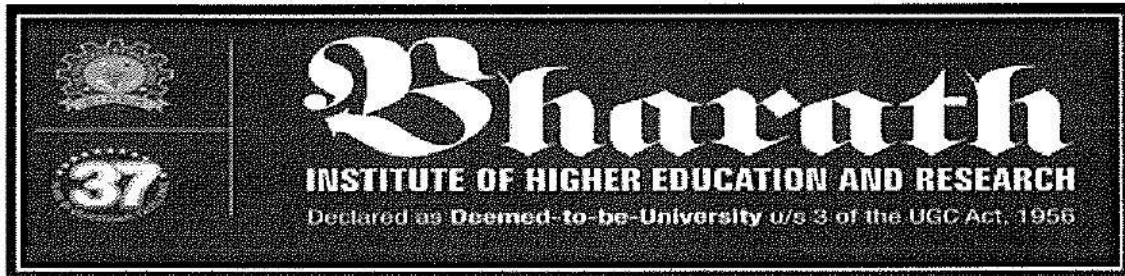
**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE**

**A Short Term Course On Arduino For IOT**

FEED BACK FORM		Date: 13-02-2021			
Name	R.A.J.				
Register number	U12ECO38				
	Poor	Fair	Good	Very Good	Excellent
Overall Program			✓		
The Speaker				✓	
Audio, Visual Aids Technology used					✓
Presentation hand outs			✓	✓	✓

  
**Student Signature**



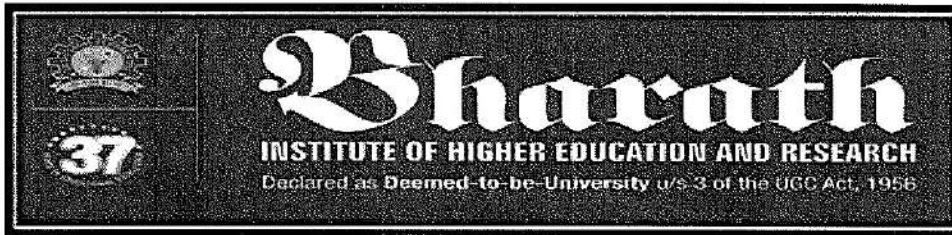
**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE**

**A Short Term Course On Arduino For IOT**

FEED BACK FORM		Date: 13-02-2021			
Name	Manuhasan . G .				
Register number	V12EE013				
	Poor	Fair	Good	Very Good	Excellent
Overall Program			✓		
The Speaker				✓	
Audio, Visual Aids Technology used					✓
Presentation hand outs			✓		

**Student Signature**



**SCHOOL OF ELECTRICAL ENGINEERING**

### **CERTIFICATE OF PARTICIPATION**

This is to certify that Mr / Ms **JOTHI KRISHNAN R (U12EC019)**

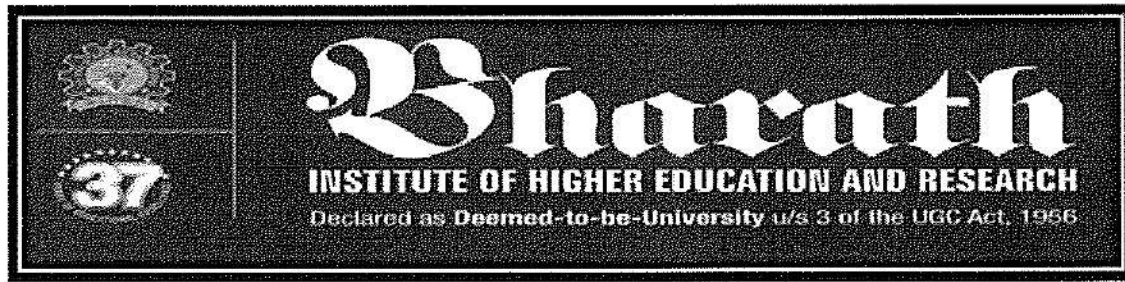
has attended Value added Course On “**A Short Term Course On Arduino**

**For IOT**” organized by the School of Electrical Engineering, BIHER

conducted from **09-02-2021 to 13-02-2021.**

**T.VIJAYAN**  
COURSE COORDINATOR

**Dr.M.SUNDARRAJAN**  
CONVENOR



## **SCHOOL OF ELECTRICAL ENGINEERING**

**Value Added Courses (2020-2021)**

**A Short Term Course On Raspberry Pi (Online)**

### **Course Objective**

This course elucidates concepts related to Internet of Things. The students will get hands on experience in working with Raspberry Pi 3 and exploring IoT. The Raspberry Pi is a small, affordable single-board computer that you will use to design and develop fun and practical IoT devices while learning programming and computer hardware. In addition, you will learn how to set up the Raspberry Pi environment, get a Linux operating system running, and write and execute some basic Python code on the Raspberry Pi. You will also learn how to use Python-based IDE (integrated development environments) for the Raspberry Pi and how to trace and debug Python code on the device. Please note that this course does not include discussion forums.

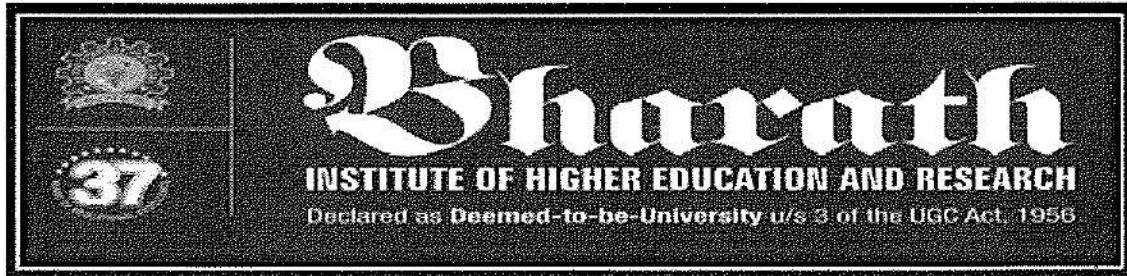
### **Resource Persons :**

1. Mr. B. Karthick
2. Ms. M. Jasmin
3. Ms. S. Philomina

**Convener**

**Dr. M. Sundararajan**

**HOD/ECE**



**CIRCULAR**

**SCHOOL OF ELECTRICAL ENGINEERING**

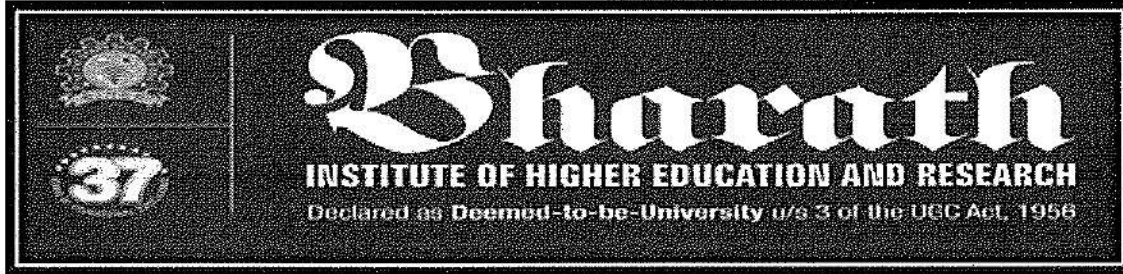
**Date:10.01.2020**

The course on A Short Term Course on Raspbery Pi is planned by School of Electrical Engineering which commences on 09-02-2020. In this regard the students are requested to give their willingness to Course Coordinator.It is instructed to actively participate and get benefitted for the certified course.

Course Coordinator: T.Vijayan  
Contact No:9894857331  
Email id:vijayan.ece@bharathuniv.ac.in

  
(Dr.M.Sundararajan)  
HOD/ECE

To,  
Copy to ECE Department,  
Copy to EEE Department,  
Department Notice Board



## SCHOOL OF ELECTRICAL ENGINEERING

### A Short Term Course On Raspberry Pi

#### SCHEDULE

**Contact Hours : 31hrs.**

DATE	SESSION	Contact Hours	TOPICS	Resource person
9/2/2021	FN	9.00 am to 12.30 pm	Real time Examples of IoT IoT Communication Technologies	Mr.B.Karthick
	AN	1.30 pm to 5 pm	Understanding SoC architecture and SoCs used in Raspberry Pi Pin Description of Raspberry Pi	Ms.S.Philomina
10/2/2021	FN	9.00 am to 12.30 pm	Linux- Introduction, Architecture, File System	Mr.B.Karthick
	AN	1.30 pm to 5 pm	Working with RPi using Python and Sensing Data using Python	Ms.M.Jasmin
11/2/2021	FN	9.00 am to 12.30 pm	Data Types in Python, Importing Libraries Flow Control, Conditional Statement, Loops	Ms.S.Philomina
	AN	1.30 pm to 5 pm	Communicating using RPi- GSM interfacing, Accessing on-board Wi-Fi Connecting Database with RPi	Ms.M.Jasmin
12/2/2021	FN	9.00 am to 12.30 pm	C Language- Imbibing RPi with C	Mr.B.Karthick
	AN	1.30 pm to 5 pm	Compiling C programs	Ms.S.Philomina
13/2/2021	FN	9.00 am to 12.30 pm	IoT Design using Raspberry Pi GPIO Control over Web Browser	Ms.M.Jasmin
	AN	1.30 pm to 5 pm	Communicating data using on-board module Home automation using Pi Node-RED, MQTT Protocol	Mr.B.Karthick



**VALUE ADDED COURSE**  
**SCHOOL OF ELECTRICAL ENGINEERING**

**A Short Term Course On Raspbery Pi**

**List Of Participants**

**Date:09.02.2021**

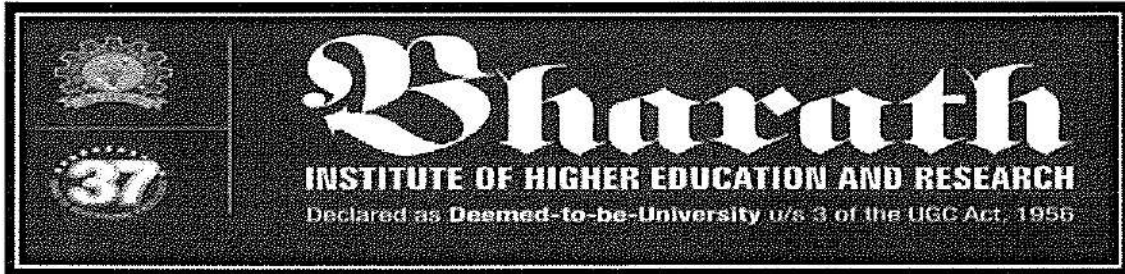
Sl.no	REG.NO	NAME OF THE CANDIDATE
1	U13EC001	ABINAYA P
2	U13EC002	AKHIRUL ISLAM
3	U13EC003	ANAND RAHUL
4	U13EC004	ANGEL M
5	U13EC005	ANJALI KUMARI
6	U13EC006	ARAVIND V
7	U13EC008	ASHIQUE ALAM
8	U13EC009	ASHVATHAMAN K
9	U13EC010	BABLOO KUMAR
10	U13EC011	BALRAM YADAV
11	U13EC012	CLIFFORD JOSEPH A
12	U13EC013	DAMODARAN M
13	U13EC014	DEEPAK KUMAR
14	U13EC015	DEEPAN R
15	U13EC016	DEEPSHIKHA KUMARI
16	U13EC017	DEVENDRA PRIYANKA SUNDER
17	U13EC018	ELVIS RYNTONG
18	U13EC019	G RAHUL REDDY

19	U13EC020	ISWARYA S
20	U13EC021	JAYED AHMED LASKAR
21	U13EC023	KUMARI PRIYANKA
22	U13EC024	MD ANIS
23	U13EC025	MURALITHARAN N
24	U13EC026	NABIL NAIDU S
25	U13EC027	NADAR PAVITRA KESHAVAN
26	U13EC028	NAVEEN KANNAN N
27	U13EC029	NIRAJ KUMAR
28	U13EC030	P PRAVEEN
29	U13EC031	PRAVEEN KUMAR V
30	U13EC032	RAHUL KUMAR
31	U13EC033	RAKESH V
32	U13EC034	RAMYA S
33	U13EC035	RAVIKANT SINGH
34	U13EC036	SAGNATI VAISHNU VERMA RAJU
35	U13EC038	SHRUTHI T S
36	U13EC039	SHUBHAM KUMAR
37	U13EE704	S.MATHAN KUMAR
38	U13EE705	PHERLYSHA KHARPURI

  
Convener

Dr.M.Sundararajan

HOD/ECE



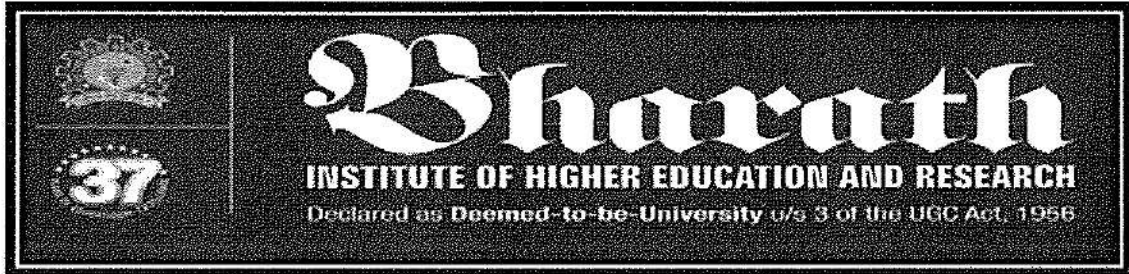
**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE**

**A Short Term Course On Raspberry Pi**

FEED BACK FORM		Date: 13/2/2021			
Name	S. Malhan Kumar				
Register number	U13EE70A				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
The Speaker			✓		
Audio, Visual Aids Technology used				✓	
Presentation hand outs					✓

  
 Student Signature



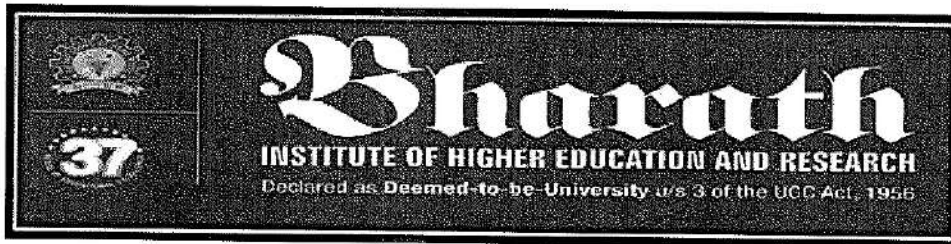
**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE**

**A Short Term Course On Raspberry Pi**

FEED BACK FORM		Date: 13/2/2021			
Name	Nabil Naidu				
Register number	013EC026				
	Poor	Fair	Good	Very Good	Excellent
Overall Program			✓		
The Speaker				✓	
Audio, Visual Aids Technology used					✓
Presentation hand outs					✓

  
 Student Signature



**SCHOOL OF ELECTRICAL ENGINEERING**

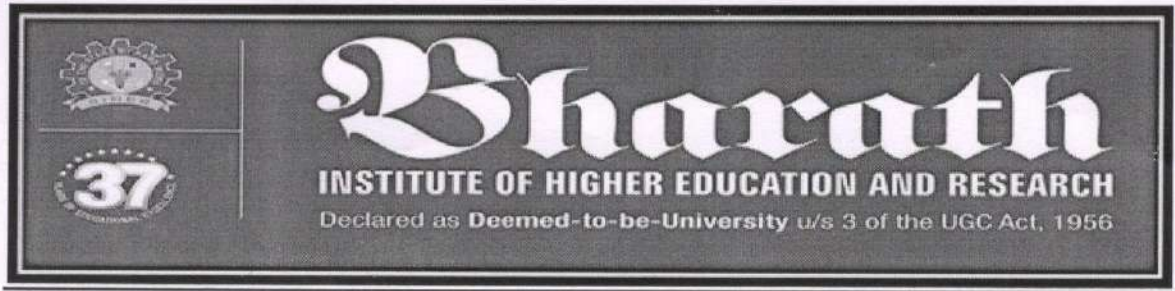
### **CERTIFICATE OF PARTICIPATION**

This is to certify that Mr / Ms **KUMARI PRIYANKA (U13EC023)**

has attended Value added Course On “A Short Term Course On Raspberry Pi” organized by the School of Electrical Engineering, BIHER conducted from **09-02-2021** to **13-02-2021**.

  
**T.V. JAYAN**  
COURSE COORDINATOR

  
**Dr.M.SUNDARRAJAN**  
CONVENOR



## SCHOOL OF ELECTRICAL ENGINEERING

**Value Added Courses (2020 -2021)**

### Advanced Digital Logic Verification(Online)

#### Course Objective

This certification helps you develop skills required to become a verification engineers. It covers writing basic test benches and to develop complete verification environment using System Verilog. You will also get exposure to Universal Verification Methodology (UVM). The course will conclude with an industry oriented project work.

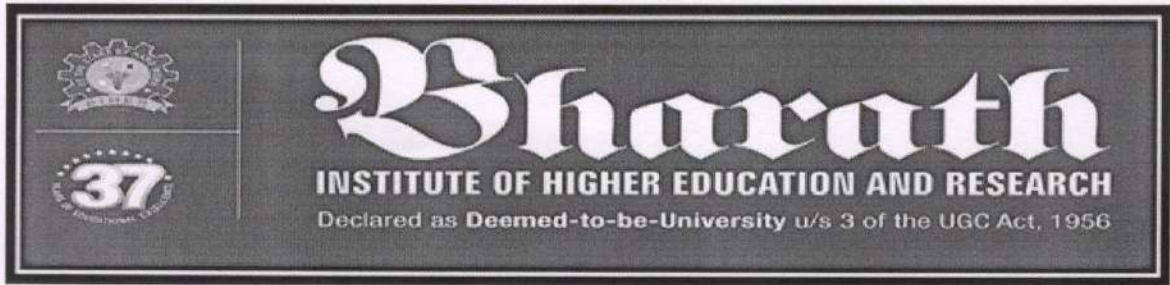
#### **Resource Persons:**

- 1.Ms.M.Jasmin
- 2.Ms.E.Kanniga
3. Ms.S.Saravana Selvi

**Convener:**

  
**Dr.M.Sundararajan**

**HOD/ECE**



**CIRCULAR**

**SCHOOL OF ELECTRICAL ENGINEERING**

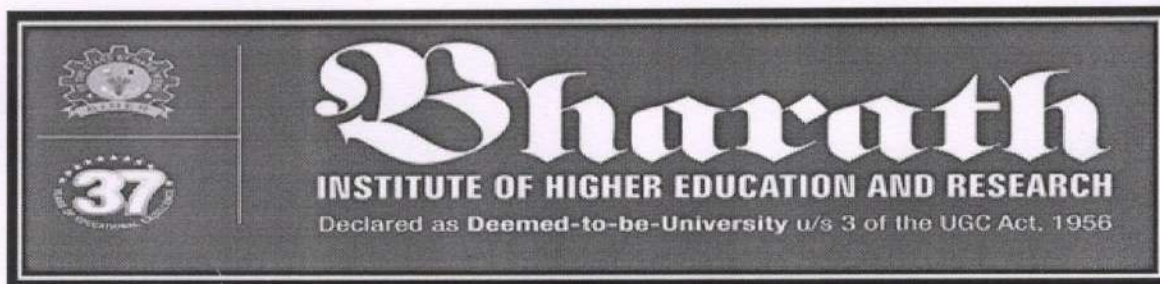
**Date: 20.08.2020**

The course on Advanced Digital Logic Verification is planned by School of Electrical Engineering which commences on 12-09-2020 (Saturday). In this regard the students are requested to give their willingness to Course Coordinator. It is instructed to actively participate and get benefitted for the certified course.

**Course Coordinator: K.Subbulakshmi**  
**Contact No:7358747803**  
**Email id: subbulakshmi.ece@bharathuniv.ac.in**

**(Dr.M.Sundararajan)**  
**HOD/ECE**

To,  
Copy to ECE Department,  
Copy to EEE Department,  
Department Notice Board



## SCHOOL OF ELECTRICAL ENGINEERING

### Advanced Digital Logic Verification

#### SCHEDULE

**Contact Hours : 31 hrs**

DATE	SESSION	Contact Hours	TOPICS	Resource person
12-09-2020	FN	9.0 m to 12.30 pm	Introduction to verification concepts	Ms.E.Kanniga
	AN	1.30 pm to 4 pm	Portable Stimulus basics	Ms.S.Saravana Selvi
14-09-2020	FN	9.00 am to 12.30 pm	Data transfer synchronization between components	Ms.E.Kanniga
	AN	1.30 pm to 4 pm	Race Condition	Ms.S.Saravana Selvi
15-09-2020	FN	9.00 am to 12.30 pm	Meta stability	Ms.E.Kanniga
	AN	1.30 pm to 4 pm	Power management in soc	Ms.M.Jasmin
16-09-2020	FN	9.00 am to 12.30 pm	FIFO	Ms.M.Jasmin
	AN	1.30 pm to 4 pm	State machines Registers Memories Synthesis	Ms.S.Saravana Selvi
17-09-2020	FN	9.00 am to 12.30 pm	Predict design output Gate level simulation Debugging incorrect designs	Ms.M.Jasmin
	AN	1.30 pm to 5 pm	Active low and active high PISO, SIPO Comparator	Ms.S.Saravana Selvi



**VALUE ADDED COURSE**  
**SCHOOL OF ELECTRICAL ENGINEERING**

**Advanced Digital Logic Verification**


**List of Participants**

**Date: 12.09.2020**

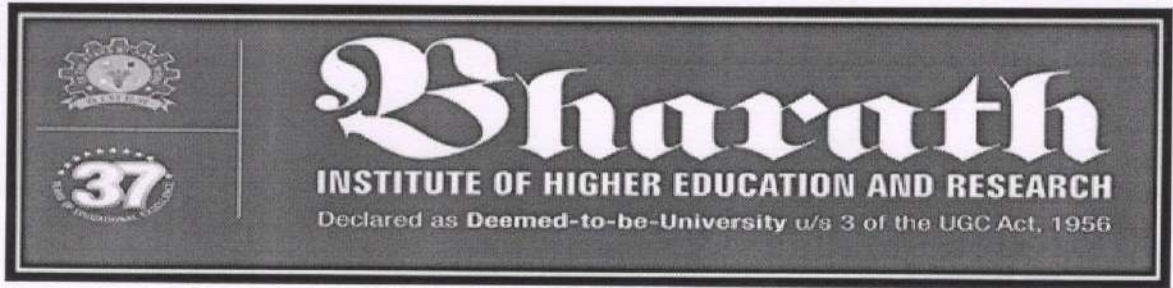
Sl.no	REG.N0	NAME OF THE CANDIDATE
1	U13EC001	ABINAYA P
2	U13EC002	AKHIRUL ISLAM
3	U13EC003	ANAND RAHUL
4	U13EC005	ANJALI KUMARI
5	U13EC010	BABLOO KUMAR
6	U13EC012	CLIFFORD JOSEPH A
7	U13EC013	DAMODARAN M
8	U13EC016	DEEPSHIKHA KUMARI
9	U13EC017	DEVENDRA PRIYANKA SUNDER
10	U13EC018	ELVIS RYNTONG
11	U13EC021	JAYED AHMED LASKAR
12	U13EC023	KUMARI PRIYANKA
13	U13EC026	NABIL NAIDU S
14	U13EC027	NADAR PAVITRA KESHAVAN
15	U13EC028	NAVEEN KANNAN N
16	U13EC029	NIRAJ KUMAR
17	U13EC033	RAKESH V
18	U13EC034	RAMYA S

19	U13EC038	SHRUTHI T S
20	U13EC039	SHUBHAM KUMAR
21	U13EC040	SUKANTO SHARAN
22	U13EC041	THIYAGARAJAN V
23	U13EC047	ZAHID AHMED
24	U13EC048	BHUVANAPRIYA R
25	U13EC049	RITESH KUMAR
26	U13EC051	LAICHIMA BRAHMA
27	U13EC503	M AKSHAY REDDY
28	U13EC504	VIGNESH M
29	U13EC507	THAMIZH THENDRAL R
30	U13EC511	VIGNESH M
31	U13EC515	R NARAHARIPRUTHVIRAJU
32	U13EC517	SUBIN JERALD P
33	U13EC702	SUGENTHAN .T
34	U13EC703	UDHAYAN E K
35	U13EC705	JAI SHANKAR M
36	U13EC706	ABHISHEK PAUL
37	U13EC707	SRIJAN KUMAR
38	U13EC708	S SADHANA
39	U13EC710	KARTHIKEYAN .M
49	U13EC510	POSANI DIVYA TEJA
41	U13EC512	PRAVIN K
42	U13EC513	CHRISTOPHER EDWARD J
43	U13EC514	ANUPKUMAR L
44	U13EC571	PRAVEEN KUMAR H

45	U13EC706	ABHISHEK PAUL
46	U13EC006	ARAVIND V
47	U13EC008	ASHIQUE ALAM
48	U13EC009	ASHVATHAMAN K
49	U13EC019	G RAHUL REDDY
50	U13EC020	ISWARYA S
51	U13EC030	P PRAVEEN
52	U13EC031	PRAVEEN KUMAR V
53	U13EC032	RAHUL KUMAR
54	U13EC042	UTTAM KUMAR
55	U13EE003	ALOK KUMAR
56	U13EE005	ASHISH KUMAR YADAV

  
(Dr.M.Sundararajan)

**HOD/ECE**



**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE**

**Advanced Digital Logic Verification**

FEED BACK FORM		Date:17.9.2020			
Name	Alok Kumar				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
The Speaker				✓	
Audio, Visual Aids Technology used					✓
Presentation hand outs				✓	

  
**Student Signature**



**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



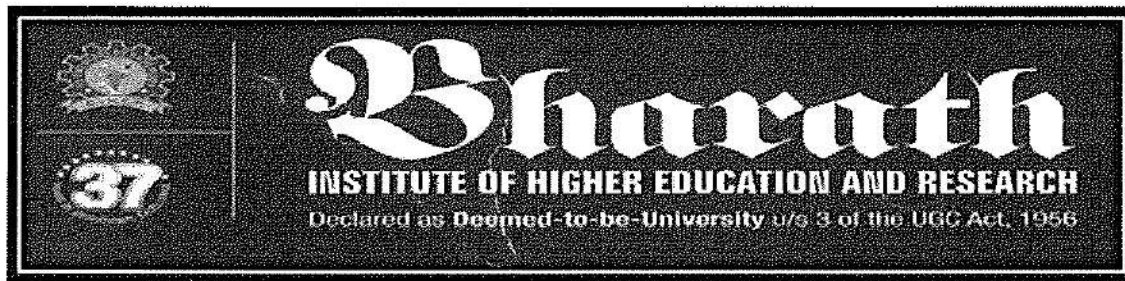
SCHOOL OF ELECTRICAL ENGINEERING

### CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **ABINAYA P** has attended Value added Course on "**Advanced Digital Logic Verification** " Organized by the school of Electrical Engineering, BIHER conducted from 12-09-2020 to 17-09-2020.

Ms. K. Subbulakshmi  
COURSE COORDINATOR

Dr. M. Sundararajan  
CONVENOR



## SCHOOL OF ELECTRICAL ENGINEERING

Value Added Courses (2020-2021)

### Smart Phone Technology(Online)

#### Course Objective

The primary objective of mobile phones in business environments is to increase the accessibility of business information. When out on business travel or business lunches, they can still access email, field calls and check voice-mail messages, just as if they were at their desk in the office.

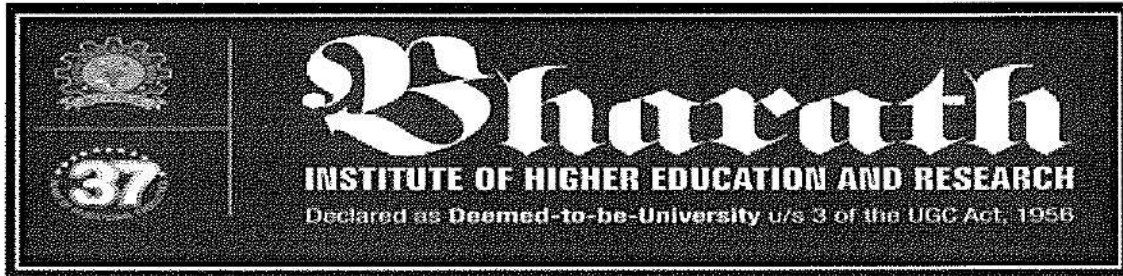
#### **Resource Persons :**

- 1.Ms.M.Jasmin
- 2.Ms.S.Arul Selvi
- 3.Ms.S.Saravana Selvi

Convener

**Dr.M.Sundararajan**

**HOD/ECE**



**CIRCULAR**

**SCHOOL OF ELECTRICAL ENGINEERING**

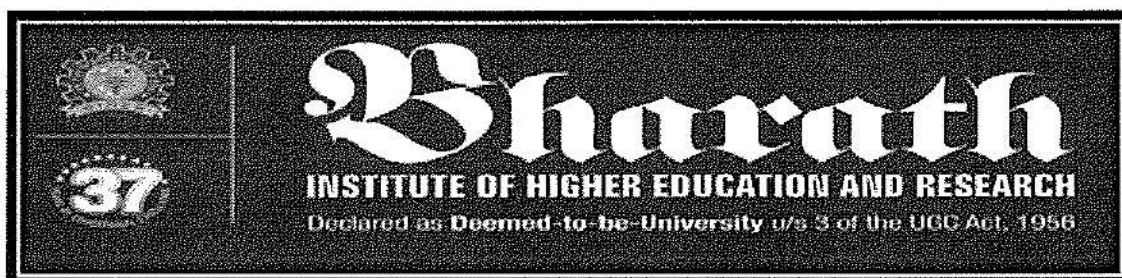
**Date: 10.08.2020**

The course on Smart Phone Technology is planned by School of Electrical Engineering which commences on 03-09-2020 (Thursday). In this regard the students are requested to give their willingness to Course Coordinator. It is instructed to actively participate and get benefitted for the certified course.

Course Coordinator: K.Subbulakshmi  
Contact No:7358747803  
Email id : subbulakshmi.ece@bharathuniv.ac.in

  
(Dr.M.Sundararajan)  
HOD/ECE

To,  
Copy to ECE Department,  
Copy to EEE Department,  
Department Notice Board



## SCHOOL OF ELECTRICAL ENGINEERING

### Smart Phone Technology

#### SCHEDULE

**Contact Hours: 31 hrs**

DATE	SESSION	Contact Hours	TOPICS	Resource person
03-09-2020	FN	9.0 m to 12.30 pm	Introduction to Smart Phone Technology	Ms.S.Arul Selvi
	AN	1.30 pm to 4 pm	Mobile business ranking and analysis	Ms.S.Saravana Selvi
04-09-2020	FN	9.00 am to 12.30 pm	Smart devices	Ms.S.Arul Selvi
	AN	1.30 pm to 4 pm	Mobile communication	Ms.S.Saravana Selvi
05-09-2020	FN	9.00 am to 12.30 pm	4G Mobile Technology	Ms.S.Arul Selvi
	AN	1.30 pm to 4 pm	5G Mobile Technology	Ms.M.Jasmin
07-09-2020	FN	9.00 am to 12.30 pm	Schematic charts & Tracing techniques	Ms.M.Jasmin
	AN	1.30 pm to 4 pm	Hardware practice	Ms.S.Saravana Selvi
08-09-2020	FN	9.00 am to 12.30 pm	Software practice	Ms.M.Jasmin
	AN	1.30 pm to 5 pm	Repair and maintenance of headsets and tablets	Ms.S.Saravana Selvi



**VALUE ADDED COURSE**  
**SCHOOL OF ELECTRICAL ENGINEERING**

**Smart Phone Technology**

**List of Participants**

**Date: 03.09.2020**

Sl.no	REG.NO	NAME OF THE CANDIDATE
1	U13EC001	ABINAYA P
2	U13EC002	AKHIRUL ISLAM
3	U13EC003	ANAND RAHUL
4	U13EC005	ANJALI KUMARI
5	U13EC010	BABLOO KUMAR
6	U13EC012	CLIFFORD JOSEPH A
7	U13EC013	DAMODARAN M
8	U13EC016	DEEPSHIKHA KUMARI
9	U13EC017	DEVENDRA PRIYANKA SUNDER
10	U13EC018	ELVIS RYNTONG
11	U13EC021	JAYED AHMED LASKAR
12	U13EC023	KUMARI PRIYANKA
13	U13EC026	NABIL NAIDU S
14	U13EC027	NADAR PAVITRA KESHAVAN
15	U13EC028	NAVEEN KANNAN N
16	U13EC029	NIRAJ KUMAR
17	U13EC033	RAKESH V

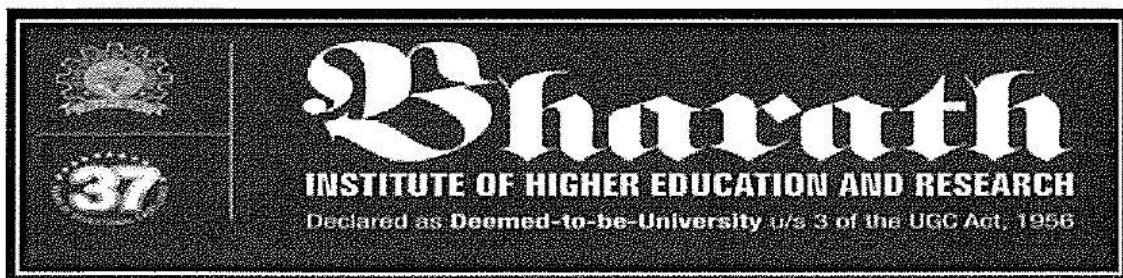
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19	U13EC038	SHRUTHI T S
20	U13EC039	SHUBHAM KUMAR
21	U13EC040	SUKANTO SHARAN
22	U13EC041	THIYAGARAJAN V
23	U13EC047	ZAHID AHMED
24	U13EC048	BHUVANAPRIYA R
25	U13EC049	RITESH KUMAR
26	U13EC051	LAICHIMA BRAHMA
27	U13EC503	M AKSHAY REDDY
28	U13EC504	VIGNESH M
29	U13EC507	THAMIZH THENDRAL R
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31	U13EC515	R NARAHARIPRUTHVIRAJU
32	U13EC517	SUBIN JERALD P
33	U13EC702	SUGENTHAN .T
34	U13EC703	UDHAYAN E K
35	U13EC705	JAI SHANKAR M
36	U13EC706	ABHISHEK PAUL
37	U13EC707	SRIJAN KUMAR
38	U13EC708	S SADHANA
39	U13EC710	KARTHIKEYAN .M
49	U13EC510	POSANI DIVYA TEJA
41	U13EC512	PRAVIN K
42	U13EC513	CHRISTOPHER EDWARD J

43	U13EC514	ANUPKUMAR L
44	U13EC571	PRAVEEN KUMAR H
45	U13EC706	ABHISHEK PAUL
46	U13EC710	KARTHIKEYAN .M
47	U13EC711	KINRAJ .S
48	U13EE712	SUDHANSHU PATEL
49	U13EE713	SHEKHAR KUMAR



**(Dr.M.Sundararajan)**

**HOD/ECE**



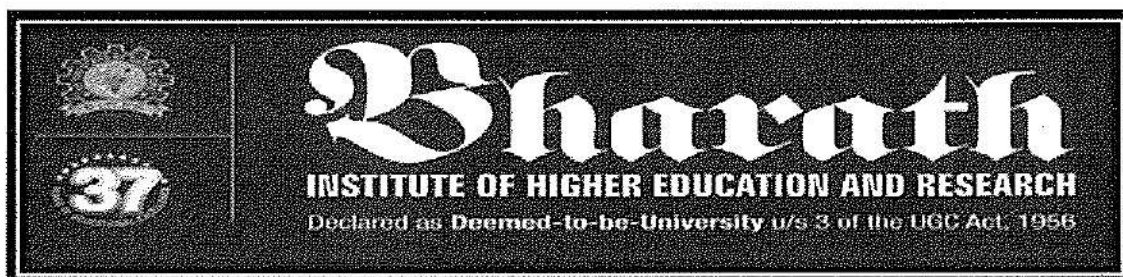
**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE**

**Smart Phone Technology**

FEED BACK FORM		Date:08.09.2020			
Name	Ritesh kumar				
Register number	U13EC049				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
The Speaker				✓	
Audio, Visual Aids Technology used				✓	
Presentation hand outs					✓

  
**Student Signature**



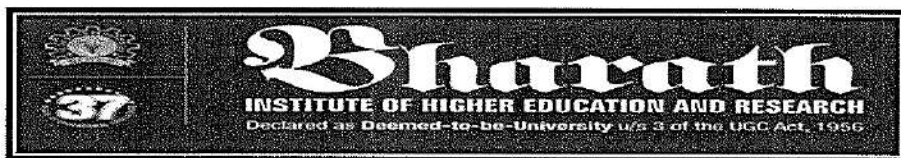
**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE**

**Smart Phone Technology**

FEED BACK FORM		Date:08.09.2020			
Name	SUDHANSHU PATEL				
Register number	U13EE712				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
The Speaker					✓
Audio, Visual Aids Technology used				✓	
Presentation hand outs			✓		

  
**Student Signature**




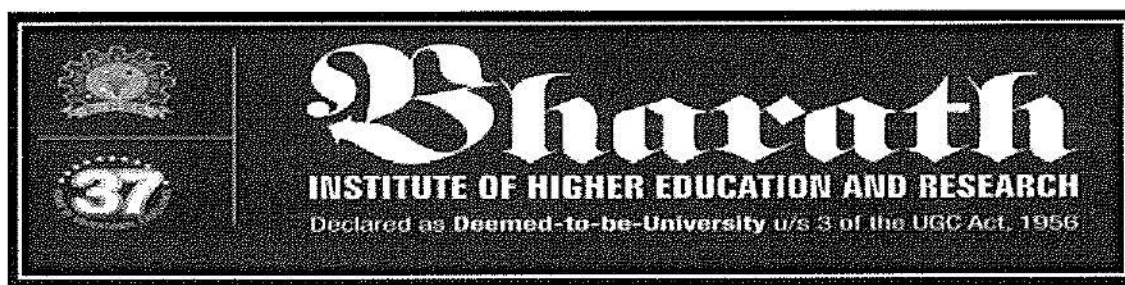
SCHOOL OF ELECTRICAL ENGINEERING

**CERTIFICATE OF PARTICIPATION**

This is to certify that Mr/Ms. **M.DAMODARAN**  
has attended Short Term Course on "Smart Phone Technology"  
Organized by the school of Electrical Engineering, BIHER conducted  
from 03-09-2020 to 08-09-2020.

  
Ms. K. Subbulakshmi  
COURSE COORDINATOR

  
Dr. M. Sundararajan  
CONVENOR



## **SCHOOL OF ELECTRICAL ENGINEERING**

**Value Added Courses (2020-2021)**

**Course on Microsoft-Mobile Application(Online)**

### **Course Objective**

This course examines the principles of mobile application design and development. Students will learn application development on the Android platform. Topics will include memory management; user interface design; user interface building; input methods; data handling; network techniques and URL loading; and, finally, specifics such as GPS and motion sensing. Students are expected to work on a project that produces a professional-quality mobile application. Projects will be deployed in real-world applications. Course work will include project conception, design, implementation, and pilot testing of mobile phone software applications, using weight loss and physical activity motivation health applications as the target domain.

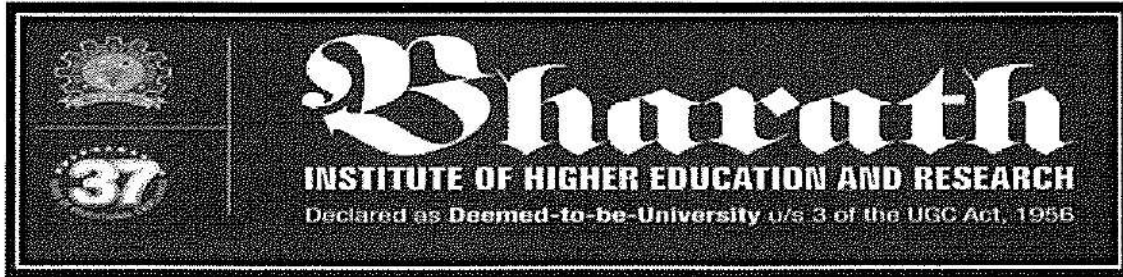
### **Resource Persons:**

1. Ms.S.Jasmin
2. Mr.B.Karthik
3. Ms.S.Arulsevi

**Convener**

**Dr.M.Sundararajan**

**HOD/ECE**



**CIRCULAR**

**SCHOOL OF ELECTRICAL ENGINEERING**

**Date: 08.02.2021**

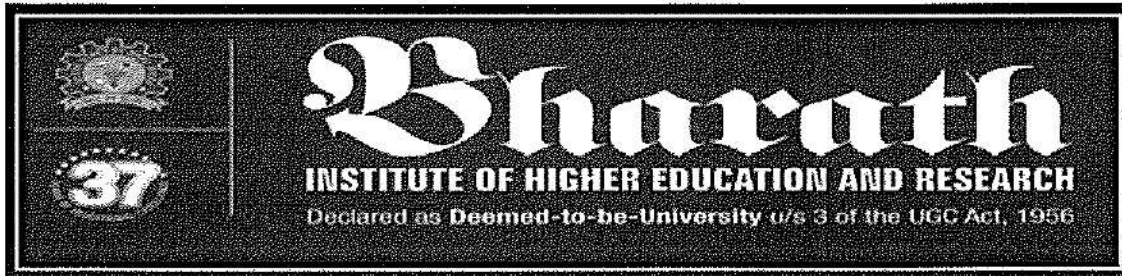
The course on Microsoft-Mobile Applications is planned by School of Electrical Engineering which commences on 15-02-2021 (Monday). In this regard the students are requested to give their willingness to Course Coordinator. It is instructed to actively participate and get benefitted for the certified course.

Course Coordinator: S.Philomina  
Contact No: 9080143665  
Email id: philomina.ece@bharathuniv.ac.in

**(Dr.M.Sundararajan)**  
**HOD/ECE**

To,  
Copy to ECE Department,  
Copy to EEE Department,  
Department Notice Board





## SCHOOL OF ELECTRICAL ENGINEERING

### Course on Microsoft-Mobile Application

#### SCHEDULE

**Contact Hours : 31hrs**

DATE	SESSION	Contact Hours	TOPICS	Resource person
15-02-2021	FN	9.00 am to 12.30 pm	Introduction to Microsoft Mobile Application. Introduction of Anatomy of an APP, Code VS XAML.	Mr.B.Karthik
	AN	1.30 pm to 4 pm	User experience considerations for mobile apps Working with Mobile APP Development Environment.	Ms.S.Arulselvi
16-02-2021	FN	9.00 am to 12.30 pm	Text, Scrolling, and Sizes, Page Layout Controls and Styles	Mr.B.Karthik
	AN	1.30 pm to 4 pm	"Azure Cloud Services for Xamarin Mobile Apps" Data Binding	Ms.S.Jasmin
17-02-2021	FN	9.00 am to 12.30 pm	Async operations, network and file I/O, threading Page Navigation, Transforms	Ms.S.Arulselvi
	AN	1.30 pm to 4 pm	Testing and Telemetry Platform-Independent GPS control"	Ms.S.Jasmin
18-02-2021	FN	9.00 am to 12.30 pm	Exploring Networked data and data stores. Mobile Devices and networking	Mr.B.Karthik
	AN	1.30 pm to 4 pm	Understanding Silverlight and Mobile code. Mobile APP development concepts.	Ms.S.Arulselvi

19-02-2021	FN	9.00 am to 12.30 pm	Using mobile device controls and creating user interfaces  Understanding mobile devices Interaction and Tools.	Ms.S.Jasmin
	AN	1.30 pm to 5 pm	Testing, Debugging and deploying a Mobile APP. Overall Applications of Microsoft Mobile.	Ms.S.Arulsevi

**VALUE ADDED COURSE**  
**SCHOOL OF ELECTRICAL ENGINEERING**  
**Course on “Microsoft-Mobile Applications”**

**List Of Participants**

**Date:15.02.2021**

Sl.no	REG.NO	NAME OF THE CANDIDATE
1	U13EC002	AKHIRUL ISLAM
2	U13EC003	ANAND RAHUL
3	U13EC005	ANJALI KUMARI
4	U13EC006	ARAVIND V
5	U13EC008	ASHIQUE ALAM
6	U13EC009	ASHVATHAMAN K
7	U13EC010	BABLOO KUMAR
8	U13EC011	BALRAM YADAV
9	U13EC012	CLIFFORD JOSEPH A
10	U13EC016	DEEPSHIKHA KUMARI
11	U13EC017	DEVENDRA PRIYANKA SUNDER
12	U13EC018	ELVIS RYNTONG
13	U13EC019	G RAHUL REDDY
14	U13EC021	JAYED AHMED LASKAR
15	U13EC023	KUMARI PRIYANKA
16	U13EC024	MD ANIS
17	U13EC025	MURALITHARAN N
18	U13EC026	NABIL NAIDU S

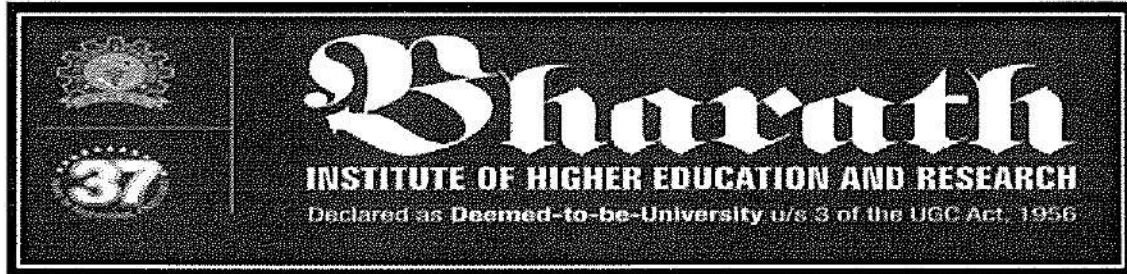
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20	U13EC028	NAVEEN KANNAN N
21	U13EC029	NIRAJ KUMAR
22	U13EC030	P PRAVEEN
23	U13EC031	PRAVEEN KUMAR V
24	U13EC032	RAHUL KUMAR
25	U13EC033	RAKESH V
26	U13EC034	RAMYA S
27	U13EC035	RAVIKANT SINGH
28	U13EC036	SAGNATI VAISHNU VERMA RAJU
29	U13EC038	SHRUTHI T S
30	U13EC039	SHUBHAM KUMAR
31	U13EC040	SUKANTO SHARAN
32	U13EC041	THIYAGARAJAN V
33	U13EC042	UTTAM KUMAR
34	U13EC043	VARSHA KUMARI
35	U13EC044	VIJAYKIRAN J
36	U13EC045	VIVEKANAND SINGH
37	U13EC046	YAMINISHA K
38	U13EC047	ZAHID AHMED
39	U13EC048	BHUVANAPRIYA R
40	U13EC049	RITESH KUMAR
41	U13EC051	LAICHIMA BRAHMA
42	U13EE034	GN.Y.RUPPESH
43	U13EE036	SAHUL YASR ARAFATH

44	U13EE049	SYED ARSAD ALI.G
45	U13EE050	N H SYED JASIM
46	U13EE052	TALEEV AALAM



(Dr.M.Sundararajan)

**HOD/ECE**



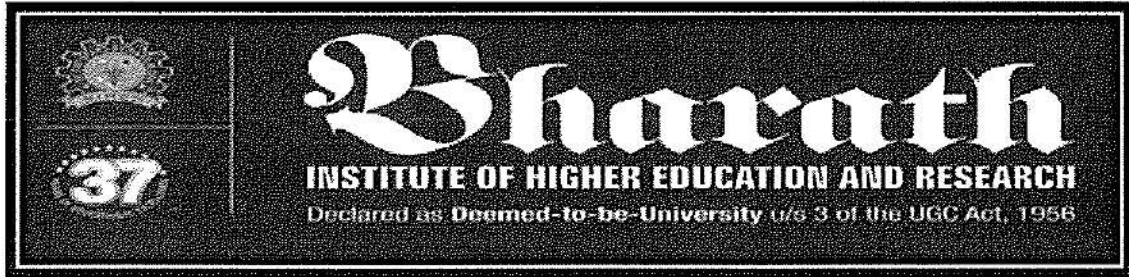
**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE**

**Course on "Microsoft-Mobile Applications"**

FEED BACK FORM		Date:19/2/2021			
Name	Md. ANIS.				
Register number	U13 EC024				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
The Speaker					✓
Audio, Visual Aids Technology used				✓	
Presentation hand outs			✓		✓

  
 Student Signature



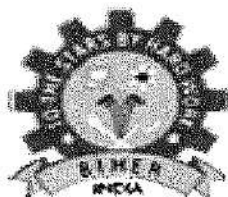
**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE**

**Course on "Microsoft-Mobile Applications"**

FEED BACK FORM		Date:19/2/2021			
Name	Rupesh.				
Register number	V13EE034				
	Poor	Fair	Good	Very Good	Excellent
Overall Program			✓		
The Speaker				✓	
Audio, Visual Aids Technology used			✓	✓	
Presentation hand outs					✓

*Rupesh.*  
Student Signature



# Bharath

**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**

(Declared as deemed to be university under section 3 of UGC Act 1956, vide notification No.F.5/2000-U.3)

**SCHOOL OF ELECTRICAL ENGINEERING**

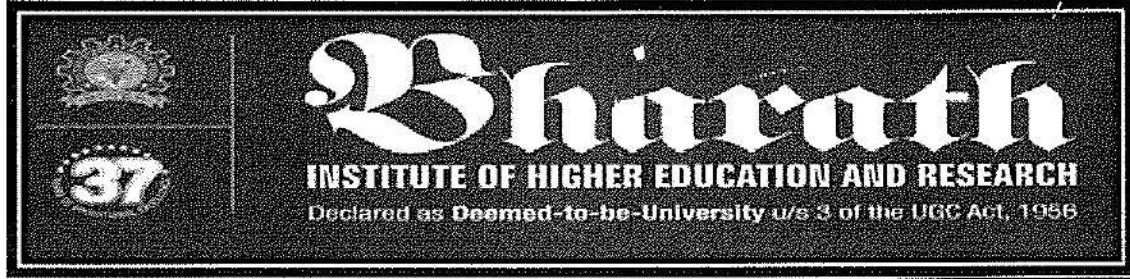
## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms DEEPSHIKHA KUMARI(U13EC016)  
has attended Value added Course On "*Microsoft-Mobile Applications*"  
Organized by the School of Electrical Engineering, BIHER conducted from  
15-02-2021 to 19-02-2021 .

S.PHILOMINA  
COURSECOORDINATOR

Dr.M..SUNDARARAJAI  
CONVENOR





## **SCHOOL OF ELECTRICAL ENGINEERING**

**Value Added Courses (2020-2021 )**

### **COURSE ON PCB DESIGN AND PRODUCT DEVELOPMENT(Online)**

#### **Course Objective**

This course examines the principles of PCB design and product development. Students will learn application development on the PCB design and fabrication process. Topics will include Schematic and Layout design flow using Electronic Design Automation (EDA) Tools. Students are expected to work on a project that produces a professional-quality. Projects will be deployed in real-world applications. Course work will include project conception, design, implementation, and Layout design flow using Electronic Design Automation Tools.

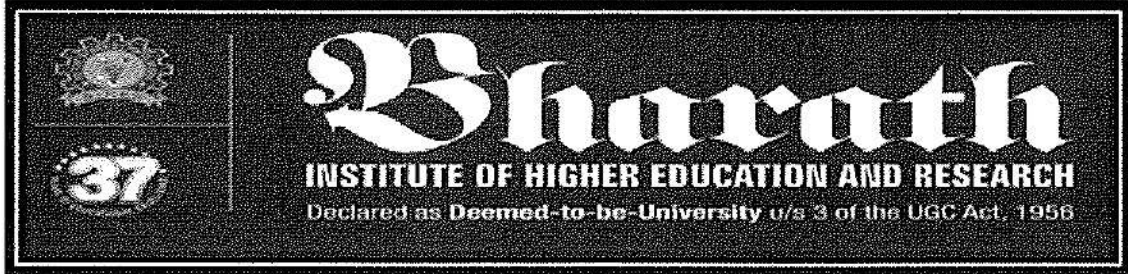
#### **Resource Persons :**

- 1.Ms.M.Philomina
- 2.Ms.BeulahHemalatha
- 3.Ms.S.Arulsevi

**Convener**

**Dr.M.Sundararajan**

**HOD/ECE**



**CIRCULAR**

**SCHOOL OF ELECTRICAL ENGINEERING**

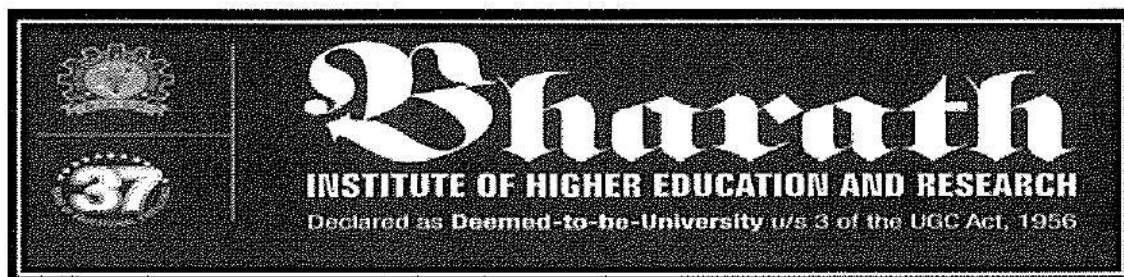
**Date: 28.02.2021**

The course on "COURSE ON PCB DESIGN AND PRODUCT DEVELOPMENT" is planned by School of Electrical Engineering which commences on 07-03-2021. In this regard the students are requested to give their willingness to Course Coordinator. It is instructed to actively participate and get benefitted for the certified course.

Course Coordinator: Ms.BEULAH HEMALATHA  
Contact No:9840976989  
Email id : beulah.ece@bharathuniv.ac.in

**(Dr.M.Sundararajan)**  
**HOD/ECE**

To,  
Copy to ECE Department,  
Copy to EEE Department,  
Department Notice Board



## SCHOOL OF ELECTRICAL ENGINEERING

### PCB DESIGN AND PRODUCT DEVELOPMENT

#### SCHEDULE

Contact Hours : 31hrs

DATE	SESSION	Contact Hours	TOPICS	Resource person
07-03-2021	FN	9.00 am to 12.30 pm	<b>Introduction to PCB</b> Definition and Need/Relevance of PCB Background and History of PCB Types of PCB Classes of PCB Design	Ms.Beulah Hemalatha
	AN	1.30 pm to 4 pm	<b>PCB Design Process</b> Terminology in PCB Design Different Electronic design automation (EDA) tools and comparison	Ms.S. Arulseivi
08-03-2021	FN	9.00 am to 12.30 pm	<b>PCB Design Process</b> PCB Design Flow, Placement and routing Steps involved in layout design Artwork generation Methods - manual and CAD General design factor for digital and analog circuits	Ms.Beulah Hemalatha
	AN	1.30 pm to 4 pm	<b>PCB Design Process</b> "Layout and Artwork making for Single-side, double-side and Multi-layer Boards. Design for manufacturability Design-specification standards"	Ms.M.Philomina

09-03-2021	FN	9.00 am to 12.30 pm	<b>PCB Design Process</b> PCB Fabrication techniques-single, double sided and multilayer Etching: chemical principles and mechanisms.	Ms.S. Arulselvi
	AN	1.30 pm to 4 pm	<b>PCB Design Process</b> Post operations- stripping, black oxide coating and soldermasking PCB component assembly processes	Ms.M.Philomina
10-03-2021	FN	9.00 am to 12.30 pm	<b>Transmission Line:</b> Transmission lines and its effects Significance of Transmission line In Board design And their Types	Ms.Beulah Hemalatha
	AN	1.30 pm to 4 pm	<b>Transmission Line:</b> The crosstalk in transmission lines Crosstalk control in PCB design parts, planes, tracks, connectors, terminations Minimization of crosstalk.	Ms.S. Arulselvi
11-03-2021	FN	9.00 am to 12.30 pm	<b>Transmission Line:</b> Schematic Design: Familiarization of the Schematic Editor, Schematic creation, Annotation, Netlist generation	Ms.M.Philomina
	AN	1.30 pm to 5 pm	<b>Transmission Line:</b> Layout Design: Familiarization of Footprint Editor, Mapping of components, Creation of PCB layout Schematic Create new schematic components Create new component footprints.	Ms.S. Arulselvi

**VALUE ADDED COURSE**  
**SCHOOL OF ELECTRICAL ENGINEERING**  
**COURSE ON PCB DESIGN AND PRODUCT DEVELOPMENT**

**List Of Participants**

**Date:07-03-2021**

Sl.no	REG.NO	NAME OF THE CANDIDATE
1	U13EC001	ABINAYA P
2	U13EC002	AKHIRUL ISLAM
3	U13EC003	ANAND RAHUL
4	U13EC004	ANGEL M
5	U13EC005	ANJALI KUMARI
6	U13EC006	ARAVIND V
7	U13EC008	ASHIQUE ALAM
8	U13EC009	ASHVATHAMAN K
9	U13EC010	BABLOO KUMAR
10	U13EC011	BALRAM YADAV
11	U13EC012	CLIFFORD JOSEPH A
12	U13EC013	DAMODARAN M
13	U13EC014	DEEPAK KUMAR
14	U13EC015	DEEPAN R
15	U13EC016	DEEPSHIKHA KUMARI
16	U13EC017	DEVENDRA PRIYANKA SUNDER
17	U13EC018	ELVIS RYNTONG
18	U13EC019	G RAHUL REDDY

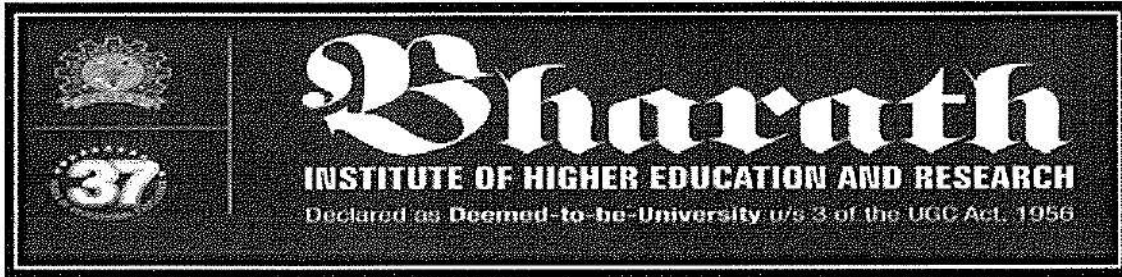
19	U13EC020	ISWARYA S
20	U13EC021	JAYED AHMED LASKAR
21	U13EC023	KUMARI PRIYANKA
22	U13EC024	MD ANIS
23	U13EC025	MURALITHARAN N
24	U13EC026	NABIL NAIDU S
25	U13EC027	NADAR PAVITRA KESHAVAN
26	U13EC028	NAVEEN KANNAN N
27	U13EC029	NIRAJ KUMAR
28	U13EC030	P PRAVEEN
29	U13EC031	PRAVEEN KUMAR V
30	U13EC032	RAHUL KUMAR
31	U13EC033	RAKESH V
32	U13EC034	RAMYA S
33	U13EC035	RAVIKANT SINGH
34	U13EC036	SAGNATI VAISHNU VERMA RAJU
35	U13EC038	SHRUTHI T S
36	U13EC039	SHUBHAM KUMAR
37	U13EC040	SUKANTO SHARAN
38	U13EC041	THIYAGARAJAN V
39	U13EC042	UTTAM KUMAR
40	U13EC043	VARSHA KUMARI
41	U13EC044	VIJAYKIRAN J
42	U13EC045	VIVEKANAND SINGH
43	U13EC046	YAMINISHA K

44	U13EC047	ZAHID AHMED
45	U13EC048	BHUVANAPRIYA R
46	U13EC049	RITESH KUMAR
47	U13EC051	LAICHIMA BRAHMA
48	U13EC052	ARUN K
49	U13EE571	MOHAMMED KARIMULLAH.A
50	U13EE572	B.M.BALAJI
51	U13EE046	SUJEETH KUMAR
52	U13EE047	SUNNY DWIVEDI
53	U13EE048	SURYAKANT KUMAR
54	U13EC504	VIGNESH M
55	U13EC507	THAMIZH THENDRAL R



(Dr.M.Sundararajan)

HOD/ECE



**SCHOOL OF ELECTRICAL ENGINEERING**

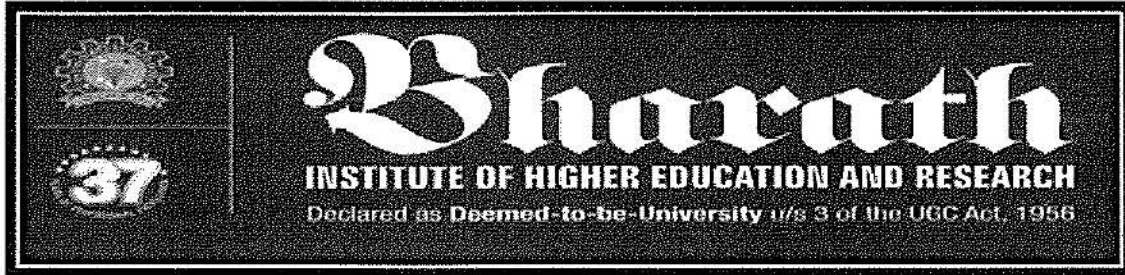
**VALUE ADDED COURSE**

**COURSE ON PCB DESIGN AND PRODUCT DEVELOPMENT**

FEED BACK FORM		Date: 11-03-2021			
Name	Vignesh - M				
Register number	V13 Ec 504				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				/	
The Speaker					/
Audio, Visual Aids Technology used			/		
Presentation hand outs		/		/	

  
**Student Signature**





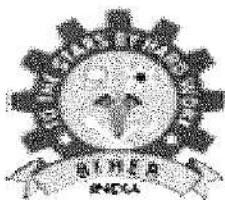
**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE**

**COURSE ON PCB DESIGN AND PRODUCT DEVELOPMENT**

FEED BACK FORM		Date: 11-03-2021			
Name	G. Laksh Reddy				
Register number	U13EC019.				
	Poor	Fair	Good	Very Good	Excellent
Overall Program			✓		
The Speaker				/	
Audio, Visual Aids Technology used			/		/
Presentation hand outs			✓	/	

  
**Student Signature**



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as deemed to be university under section 3 of UGC Act 1956, vide notification No.F.9-52000-U.3)

SCHOOL OF ELECTRICAL ENGINEERING

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr. / Ms ARAVIND.V(U13EC006) has attended Value Added Course On **"PCB DESIGN AND PRODUCT DEVELOPMENT"** Organized by the School of Electrical Engineering, BIHER conducted From 07-03-2021 to 11-03-2021.

S.PHILOMINA  
COURSE COORDINATOR

Dr.M.SUNDARARAJAN  
CONVENOR



**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be University under section 3 of UGC Act 1956)



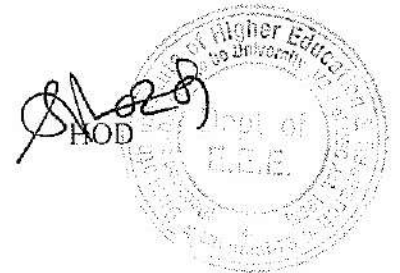
**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**  
No.173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

## CIRCULAR

### SCHOOL OF ELECTRICAL ENGINEERING

Date: 16.6.21

A value added course on “course on Smart Distribution Systems” is planned by the School of Electrical Engineering on **11/7/2021** . In this regard, students are instructed to give their willingness and confirm their participation to their respective class in charge before **5.7.2021** . Course commences on **11.07.2021** and it would be conducted for five days (**11/6/2021 to 15/6/2021** ) from 9.00 AM to 4.00 P.M (online).



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Notice Board/ Department of EEE



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**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**

No. 173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

## SCHOOL OF ELECTRICAL ENGINEERING

### VALUE ADDED COURSE FOR YEAR (2021 -2022)

#### COURSE ON SMART DISTRIBUTION SYSTEMS

S.NO	REGISTER NUMBER	STUDENTS NAME
1.	U13EE001	ABDUL RAB
2.	U13EE002	ABHISHEK KUMAR
3.	U13EE003	ALOK KUMAR
4.	U13EE005	ASHISH KUMAR YADAV
5.	U13EE006	ASHOK PASWAN
6.	U13EE007	BASHEMPHANG KHARBITHAI
7.	U13EE008	BHOGENDRA PRASADYADAV
8.	U13EE009	CHINTOO KUMAR
9.	U13EE010	CHIRANJIV MOHANTY
10.	U13EE011	DEEPAK KUMAR
11.	U13EE012	DEEPAK TOPPO
12.	U13EE013	DHARMANDRA KUMAR SAHU
13.	U13EE015	GANESAN.D
14.	U12EC006	AVANI RANJAN
15.	U12EC007	BALAJI P
16.	U12EC008	BLESSNI VASANTHA N S
17.	U12EC009	BODDU KOUSIK REDDY
18.	U12EC010	CHANDESHWAR KUMAR
19.	U12EC011	CHINNA ANKANNAGARI ARUNA
20.	U12EC012	DHAMODARAN N
21.	U12EC013	DHINESHKUMAR N
22.	U12EC014	DINESH KUMAR P
23.	U12EC015	GHATTAMANENI LEXHA
24.	U12EC016	GUNTAKA CHENNA REDDY
25.	U12EC017	JANAKI RAMAN S
26.	U12EC018	JEBIN SAM B
27.	U12EC019	JOTHI KRISHNAN R
28.	U12EC020	KAVITHA S
29.	U12EC021	KUMAR GAURAV
30.	U12EC022	KUMARI AYAGAT

31.	U12EC023	KUMBAKONAM KARTHIK
32.	U12EC024	KURAPATI SRIHARIREDDY



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**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**  
No.173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

**SCHOOL OF ELECTRICAL ENGINEERING**

**COURSE ON SMART DISTRIBUTION SYSTEMS**

**SCHEDULE**

**Contact Hours : 32 hrs**

DATE	SESSION	Contact Hours	TOPICS	Resource person
11.7.2021	FN	9.00 am to 12.30 pm	Introduction - Modern Distribution Systems.	N Ravichandran
	AN	1.30 pm to 4 pm	Smart grid fundamentals and concepts.	Dr. S.Ramamoorthy
12.7.2021	FN	9.00 am to 12.30 pm	Smart grid fundamentals and concepts.	Mrs. S.Anitha
	AN	1.30 pm to 4 pm	Grid codes/standards	Mr.Lingeswaran
13.7.2021	FN	9.00 am to 12.30 pm	LV/MV Distribution systems and operation.	Mr. Prasath
	AN	1.30 pm to 4 pm	Operation, control and reliability of DER units in the distribution grids.	Mr.V.Jayalakshmi
14.7.2021	FN	9.00 am to 12.30 pm	Electric vehicles, Heat pumps, Electric boilers, Solar PVs in distribution grids.	Mr.S.P.Vjayaragavan

	AN	1.30 pm to 4 pm	Electric vehicles, Heat pumps, Electric boilers, Solar PVs in distribution grids.	Mrs.R.Rathika
15.7.2021	FN	9.00 am to 12.30 pm	Communication technologies and standards in Smart Distribution grids.	Ms.Aarthi Suriya S
	AN	1.30 pm to 4 pm	Hands on Training	Dr.S.Prakash



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**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**

No.173, Agharam Road, Selayuth, Chennai, T.N - 600 073.

## SCHOOL OF ELECTRICAL ENGINEERING

### VALUE ADDED COURSE - COURSE ON SMART DISTRIBUTION SYSTEMS

FEEDBACK FORM		Date: 15/7/2021				
Name	BALAJI. P					
Register Number	U12 EC 007					
Phone Number	9864326261					
Email address						
	Poor	Fair	Good	Very Good	Excellent	
Overall Program						
Resource person		/		/		
Audio visual aids & Technology used			/			
Presentation Handouts					/	

*Balaji*

Student's Signature





# Bharath

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**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**

No. 173, Agharam Road, Sefalyur, Chennai - 600 073.

## SCHOOL OF ELECTRICAL ENGINEERING

### VALUE ADDED COURSE - COURSE ON SMART DISTRIBUTION SYSTEMS

FEEDBACK FORM		Date: 15/7/2021			
Name	GITHI S.D.V.D				
Register Number	UIBEE015				
Phone Number	9789435678				
Email address					
	Poor	Fair	Good	Very Good	Excellent
Overall Program		✓		✓	
Resource person				✓	
Audio visual aids & Technology used			✓		
Presentation Handouts					✓

Student's Signature



**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed to be University under section 3 of UGC Act 1956)



SCHOOL OF ELECTRICAL ENGINEERING

### CERTIFICATE OF PARTICIPATION

This is to certify that Mr / Ms KAJAL KIRAN (U13EE016)

has attended Value added Course On “course on Smart Distribution Systems” organized by the School of Electrical Engineering, BIHER conducted from 8/8/2021 to 12/8/2021

*D. S. Ranjith*  
COURSE COORDINATOR

*[Signature]*  
CONVENOR