

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.

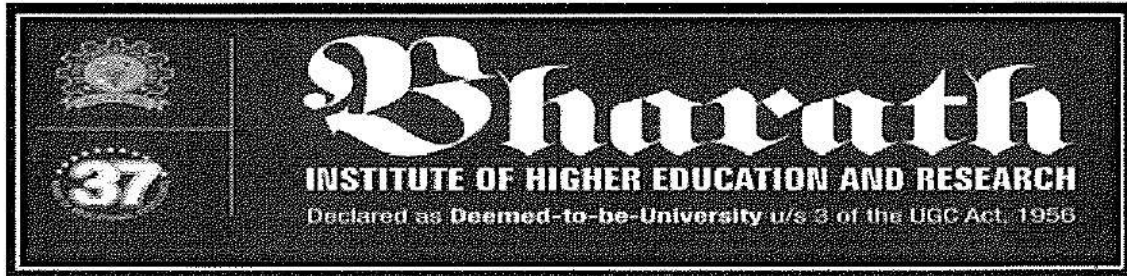
Resource Persons :

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

Convener

Dr. M. Sundararajan

HOD/ECE



CIRCULAR

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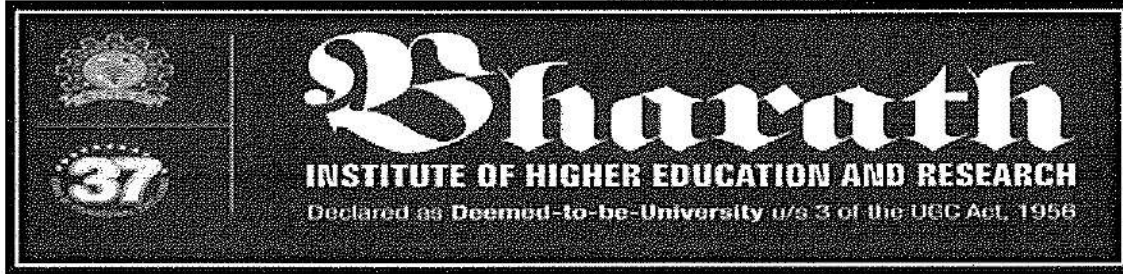
Date:10.01.2020

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

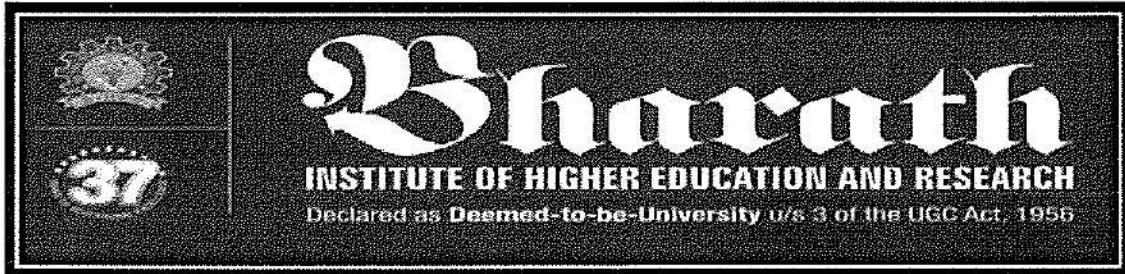
Sl.no	REG.NO	NAME OF THE CANDIDATE
1	U13EC001	ABINAYA P
2	U13EC002	AKHIRUL ISLAM
3	U13EC003	ANAND RAHUL
4	U13EC004	ANGEL M
5	U13EC005	ANJALI KUMARI
6	U13EC006	ARAVIND V
7	U13EC008	ASHIQUE ALAM
8	U13EC009	ASHVATHAMAN K
9	U13EC010	BABLOO KUMAR
10	U13EC011	BALRAM YADAV
11	U13EC012	CLIFFORD JOSEPH A
12	U13EC013	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



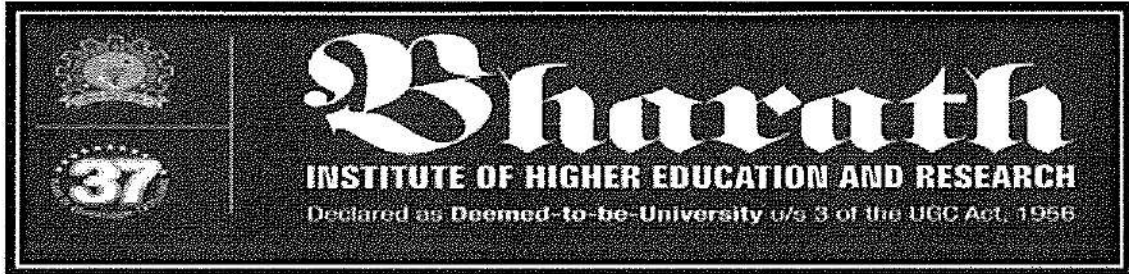
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VALUE ADDED COURSE

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



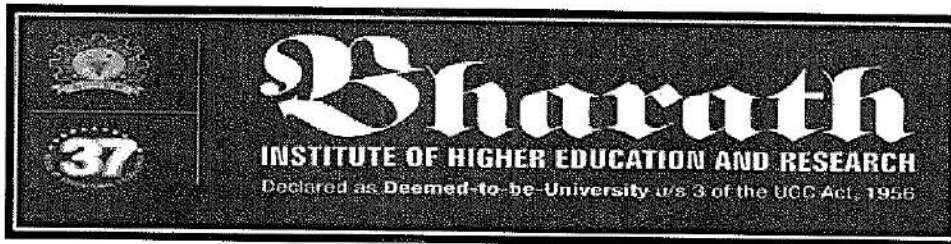
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VALUE ADDED COURSE

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