

SCHOOL OF ELECTRICAL ENGINEERING

Value Added Courses (2019 -2020)

Certificate Course on Hands on training on Arduino and IoT

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, the 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.

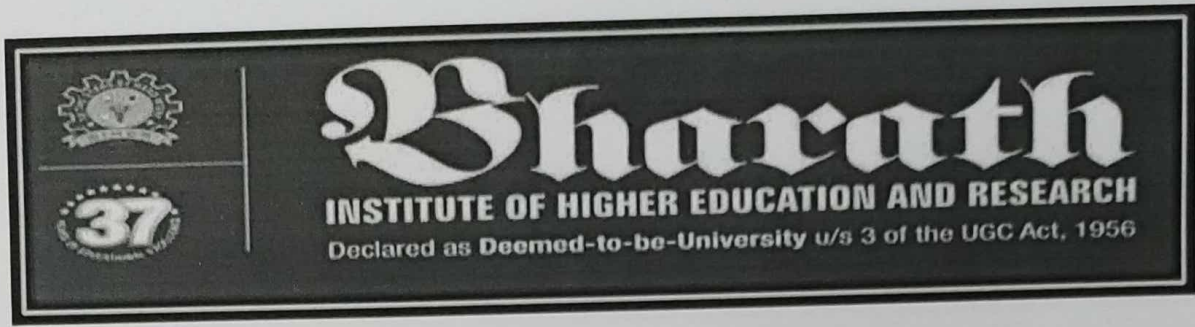
Resource Persons :

- 1.Mr.B.Karthick
- 2.Ms.M.Jasmin
- 3.Ms.K.Subbulakshmi

Convener:

Dr.M.Sangeetha

HOD/ECE



Requisition Letter

Date: 20.07.2019

From

The HOD,
ECE Department,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai.

To

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

Respected Sir,

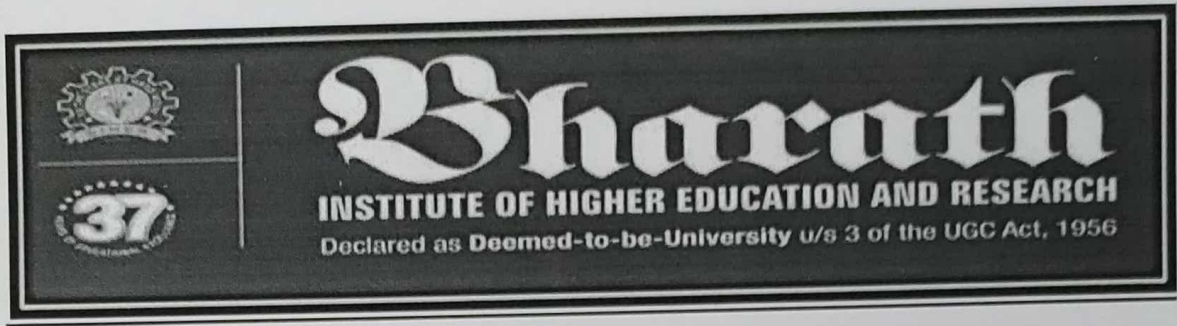
SUB: Requisition for conducting Value Added Course-Regd

School of Electrical Engineering has planned to conduct Value added Course on “**Certificate Course on** Hands on training on Arduino and IoT ” on 26.08.2019. In this regard we kindly request you to grant permission for the same.

Thanking you

HOD/ECE

Dean Engineering



CIRCULAR

SCHOOL OF ELECTRICAL ENGINEERING

Date: 23.08.2019

The course “**Certificate Course on Hands-on training on Arduino and IoT**” is planned by the School of Electrical Engineering which commences on 26-08-2019. In this regard, the students are requested to give their will to the Course Coordinator. It is instructed to actively participate and get the benefit for the certified course.

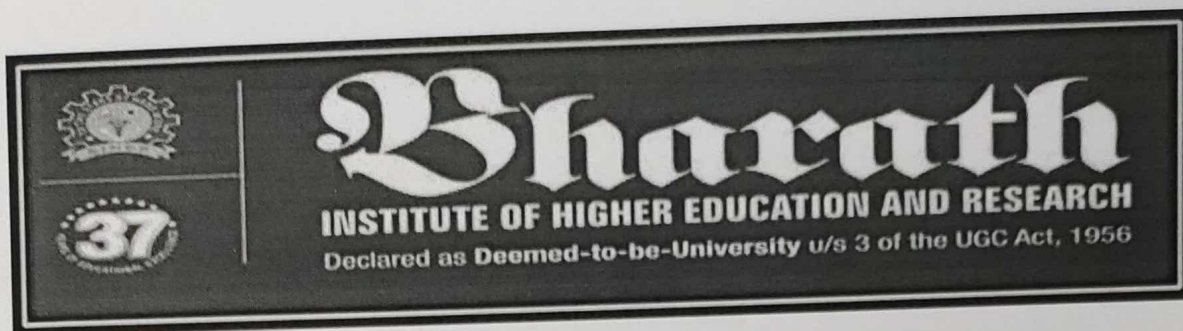
Course Coordinator: kalaiselvi.ece@bharathuniv.ac.in

Contact No: 9123505079

Email id : kalaiselvi.ece@bharathuniv.ac.in

HOD/ECE

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



SCHOOL OF ELECTRICAL ENGINEERING

Certificate Course on Hands-on training on Arduino and IoT

SCHEDULE

Contact Hours: 32 hrs

DATE	SESSION	Contact Hours	TOPICS	Resource person
26-08-2019	FN	9.00 am to 12.30 pm	Overview of IoT Understanding IoT fundamental IoT Architecture, protocols Various Platforms for IoT, Real-time Examples of IoT, Overview of IoT components and IoT Communication Technologies.	Mr.B.Karthick
	AN	1.30 pm to 4 pm	Overview of Embedded Systems Selecting the Right Arduino Board for Your Project The Mindset for Learning Arduino Fundamentals of Arduino Electronics	Ms.K.Subbulakshmi
27-08-2019	FN	9.00 am to 12.30 pm	Understanding a Circuit Diagram Using a DVM (Digital Voltmeter) How to Not Blow up GPIO Pins and Other Safety Precautions Connecting Everything Together.	Ms.M.Jasmin
	AN	1.30 pm to 4 pm	Software and Hardware Tools for Arduino Exploring the Arduino IDE Programming the Arduino Writing Your First Program: A Blinking Light ("Hello World" of Electronics)	Mr.B.Karthick
28-08-2019	FN	9.00 am to 12.30 pm	Programming Fundamentals: Loops, conditionals, variables, functions, and parameters Overview of Input/Output (I/O) Interfaces	Ms.M.Jasmin

			Configuring the Input Sensors	
	AN	1.30 pm to 4 pm	LEDs, Switches, Buzzers, and Display Devices Configuring the Output Devices (LEDs and electro-mechanic robotics)	Ms.K.Subbulakshmi
29-08-2019	FN	9.00 am to 12.30 pm	Programming Sensor-to-Output Device Control Project: Automatic Light Adjustment System Analog to Digital Conversion (ADC)	Mr.B.Karthick
	AN	1.30 pm to 5 pm	Serial Communication and UART Programming Sensor sticks, motors, and audio devices	Ms.K.Subbulakshmi
30-08-2019	FN	9.00 am to 12.30 pm	Project: TBD Testing and Debugging	Ms.M.Jasmin
	AN	1.30 pm to 5 pm	Extending Arduino's Capabilities Joining the Arduino Community Troubleshooting	Mr.B.Karthick

VALUE ADDED COURSE
SCHOOL OF ELECTRICAL ENGINEERING

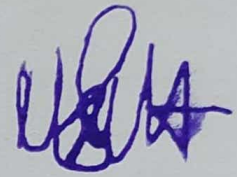
Certificate Course on Certificate Course on Hands-on training on Arduino and IoT

List of Participants Date: 29.08.2019

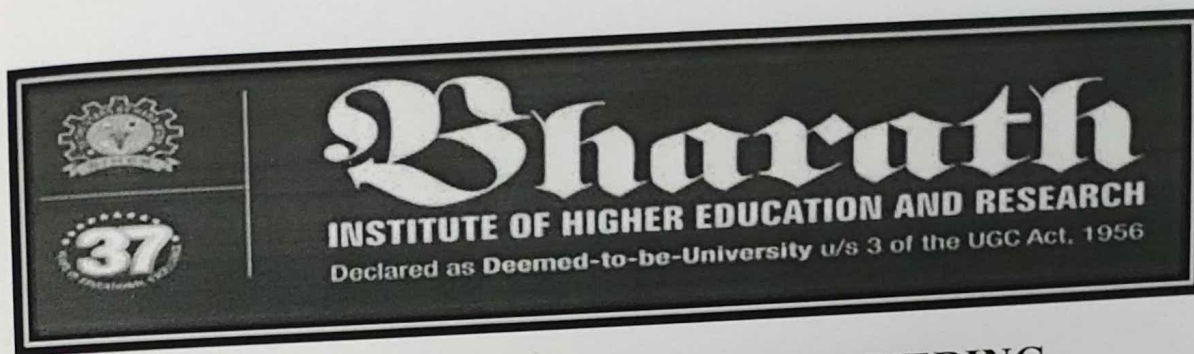
S.NO	REG.NO	NAME OF THE CANDIDATE
1.	U16EC013	ANCHA KRISHNA REDDY
2.	U16EC014	BUGUDI RAMU
3.	U16EC015	GANJI BHARATHCHANDRA
4.	U16EC016	KATIKERI VENKATESH
5.	U16EC017	KOWSALYA K
6.	U16EC018	UNNAM SIVA KRISHNA
7.	U16EC020	RAUSHAN KUMAR
8.	U16EC021	ALIVELI CHARAN SAI
9.	U16EC022	BASIMALLA MARK RATNA BOSE
10.	U16EC023	THATIKONDA PREM SAI
11.	U16EC024	DASINENI ANUSHA
12.	U16EC025	KOLLUMALLA SHYAM NAGA SRI KIRAN
13.	U16EC026	SUNKU RAM NAVI CHAND
14.	U16EC027	J P HIMAVANTH
15.	U16EC028	THIRIVEEDI SUBBAMMA
16.	U16EC029	PEMMASANI KAVYA
17.	U16EC030	KAMASANI JYOTHI PRAKASH REDDY
18.	U16EC031	PEDINEEDI NAGARJUNA
19.	U16EC032	YANAMALA SREEKANTH REDDY
20.	U16EC033	MOTE KEERTHI
21.	U16EC034	ADDALA KRISHNA VAMSI
22.	U16EC035	GOKARAJU AJAY BABU
23.	U16EC036	MANE CHANDRAKANTH
24.	U16EC037	SANNUTHI VINAY NAGA PRANEETH
25.	U16EC038	TELLAMEKALA PRADEEP KUMAR
26.	U16EC039	MATTAPALLI SAI SRIKANTH YADAV
27.	U16EC040	PULI NAGANATH REDDY
28.	U16EC041	KOTTRA ANUSHA GOUD
29.	U16EC042	K RADHAKRISHNA
30.	U16EC043	KAPULURI MARUTHI RAO
31.	U16EC044	RAMPRASATH T

32.	U16EC045	KAPULURI VENKATESWARLU
33.	U16EC046	MUNGARA SRIHARIBABU
34.	U16EC047	VEMULA SIVA SANKAR VARAPRASAD
35.	U16EC048	GUDLURU SUMANTH
36.	U16EC049	KUCHULA SAIKUMAR REDDY
37.	U16EC050	KOTA VENKATA SIVA PRASAD REDDY
38.	U16EC051	GANGASANI SAI NANDA GOPAL REDDY
39.	U16EC052	POKALA SUDHARSHAN REDDY
40.	U16EC053	CHINTALA GANESH
41.	U16EC054	TAMATAM HARSHAK REDDY
42.	U16EC055	M DURGAPRASAD
43.	U16EC056	YANDRA SAI VENKAT
44.	U16EC057	AKASH KUMAR C
45.	U16EC058	BHASHAKARLA GOPIKRISHNA
46.	U16EC059	MADDIBOINA GIRI BABU
47.	U16EC060	MASANAM TARUN
48.	U16EC061	N E ANIL KUMAR
49.	U16EC062	KALLURI RAMA KSRISHNA
50.	U16EC063	YALAMANDALA SANDHYA
51.	U16EC064	RACHARLA VENKATNARAYAN
52.	U16EC065	A MAHESH
53.	U16EC066	MARAMREDDY MURALI MOHAN
54.	U16EC067	JIJARAPU SHIVA
55.	U16EC068	DINESH D
56.	U16EC069	BURLA MALLIKHARJUNA REDDY
57.	U16EC070	KATNAM SAIKUMAR
58.	U16EC071	YANAMALA VASU
59.	U16EC073	IMMADI KARTHIK
60.	U16EC074	VEMIREDDY NARASA REDDY
61.	U16EC075	MANGISHETTI RAVALI
62.	U16EC076	KOMMINENI DHARANI
63.	U16EC077	KAVALA HARI HARSHAVARDHAN
64.	U16EC078	VEMULA BHARATH
65.	U16EC079	POTHURAJU VENKATA NAGA SUBRAMANYAM
66.	U16EC080	SEELAM VISWANATH
67.	U16EC082	ABHISHEK RANJAN
68.	U16EC084	K VISHNU
69.	U16EC085	AJITH A K
70.	U16EC086	SUNDAR BORO
71.	U16EC087	MOHAMMED MARUF KHAN A
72.	U16EC088	TAMILARASAN N

73.	U16EC089	SARASWATHI REDDY SREE PHANI MONISH
74.	U16EC501	NANDIPATI AJAY REDDY
75.	U16EC503	L JEEVAN SAI KUMAR REDDY



HOD/ECE



SCHOOL OF ELECTRICAL ENGINEERING

VALUE ADDED COURSE

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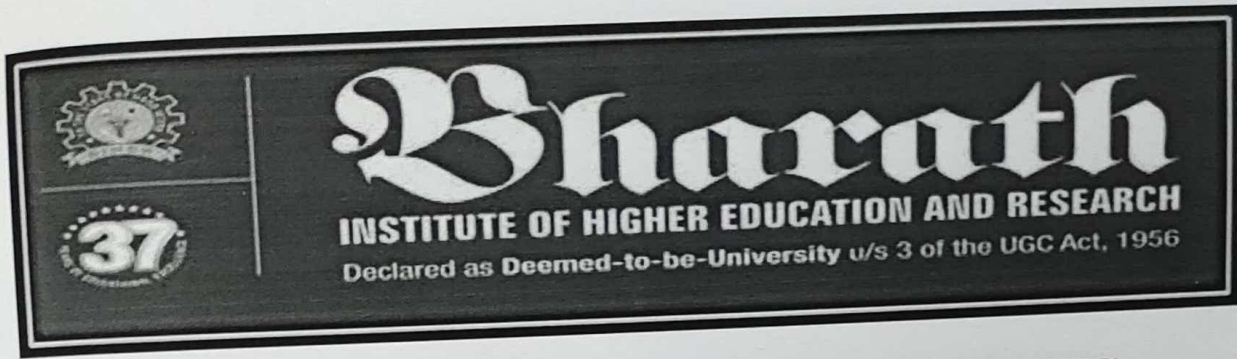
Date: 29.08.2019

FEED BACK FORM

Name	PRIYANGIAT				
Register number	V16EC006				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
The Speaker				✓	
Audio, Visual Aids Technology used					✓
Presentation hand outs				✓	

Priya
Student

Signature



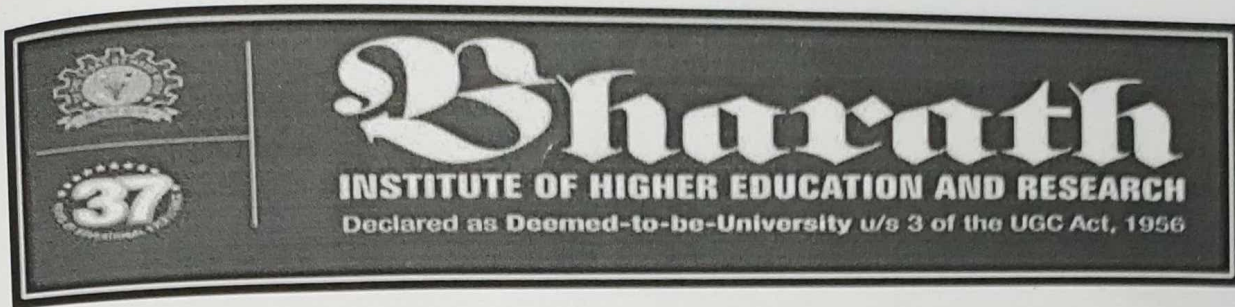
SCHOOL OF ELECTRICAL ENGINEERING

VALUE-ADDED COURSE

Certificate Course on Hands-on training on Arduino and IoT ”

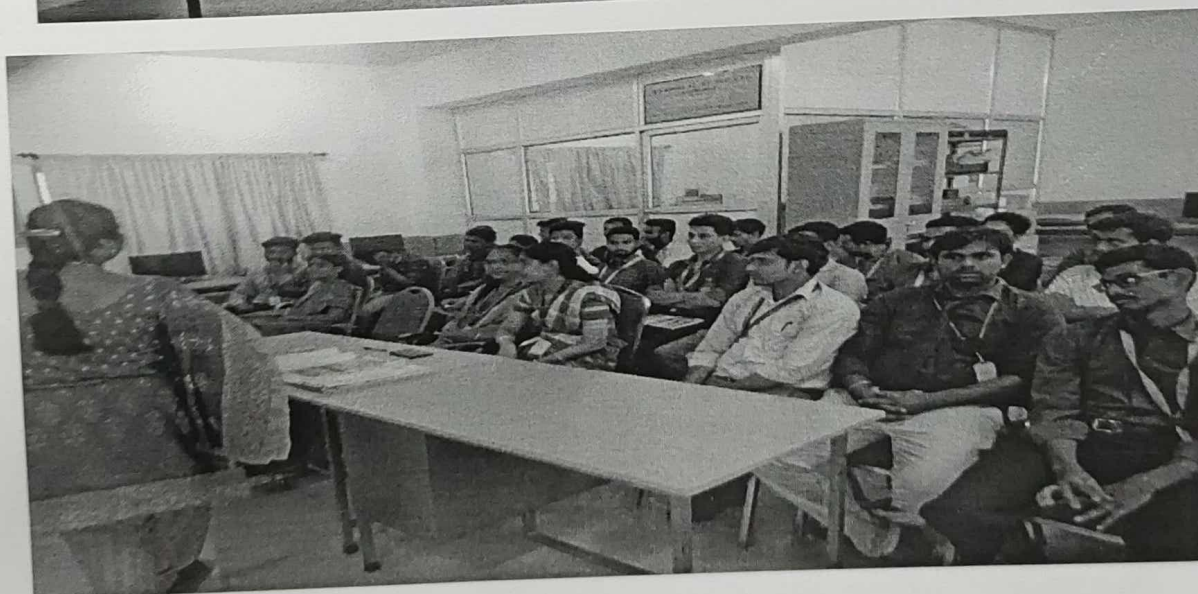
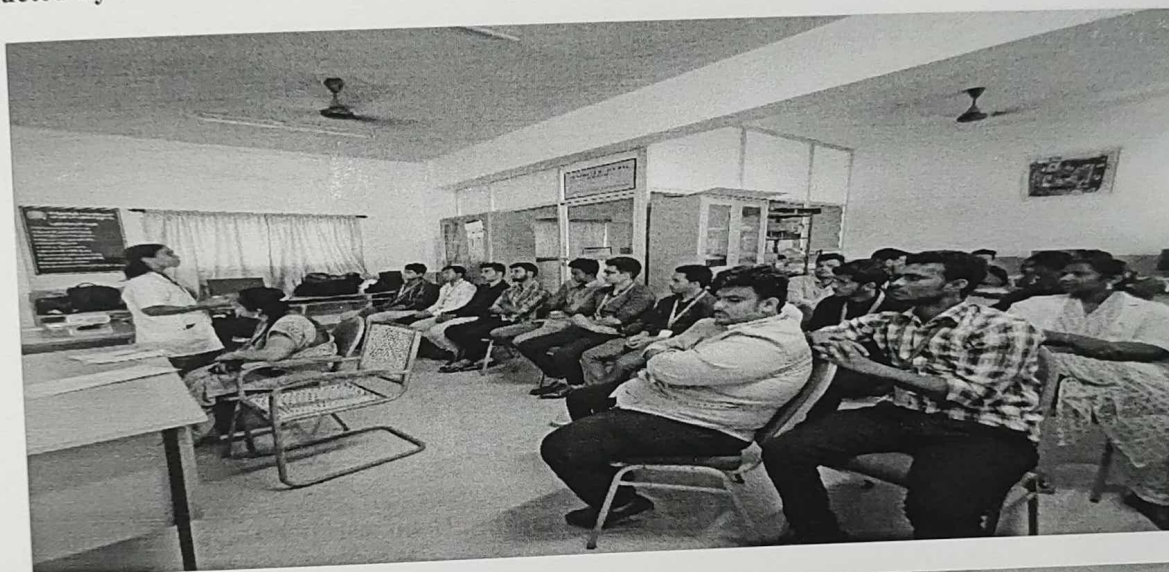
FEEDBACK FORM		Date <u>28/8/2019</u>			
Name	<u>SANGLAVI 'B</u>				
Register number	<u>U16BC010</u>				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
The Speaker				✓	
Audio, Visual Aids Technology used				✓	
Presentation hand outs				✓	

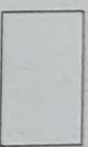

 Student Signature



SCHOOL OF ELECTRICAL ENGINEERING

Course on "Certificate Course on Hands on training on Arduino and IoT" dated on 29.08.2019
conducted by school of Electrical Engineering

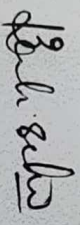





SCHOOL OF ELECTRICAL ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. J P HIMAVANTH has attended Value added Course on "Hands on training on Arduino and IoT " Organized by the school of Electrical Engineering, BIHER conducted from 26.08.2019 to 30.08.2019.


Ms. KALAISELVI B
COURSE COORDINATOR


DR. M. SANGEETHA
CONVENOR