



# Bharath Institute of Higher Education and Research

[Declared Under Section 3 of UGC Act, 1956] Chennai – 600 073.

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

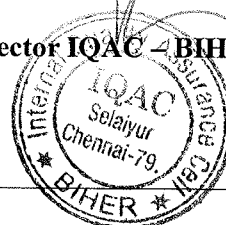
<b>Date of Submission</b>	14-11-2017
<b>Type of Documents</b>	Workshop
<b>Description</b>	WORKSHOP ON ARDUINO AND EMBEDDED SYSTEM
<b>Enclosures</b>	a) REQUISITION LETTER b) PERMISSION LETTER c) CIRCULAR d) SCHEDULE FOR TWO DAYS e) INVITATION f) BROCHURE g) LIST OF PARTICIPANTS h) FEEDBACK FORM FROM PARTICIPANTS i) PHOTO & CERTIFICATE
<b>No. of Pages</b>	18
<b>Submitted By</b>	<b>Name</b> : Dr. M.Sangeetha <b>Designation</b> : Professor &HOD/ECE <b>Department</b> : ECE <b>Signature</b> :

### DOCUMENTS SUBMISSION FOR

#### For Office Use Only

<b>Verified By:</b>	K. Sakthivel	<b>Sign:</b>		<b>Date:</b>	14/11/2017
<b>Uploaded By:</b>	K. Senthil Kumar	<b>Sign:</b>		<b>Date:</b>	14/11/2017
<b>File Name:</b>	WORK - SEE - ECE - 2017-2018-05				

Director IQAC BIHER





# 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.

Requisition Letter

Date: 24.10.2017

From

The HOD,

ECE Department,

Bharath Institute of Higher Education and Research,

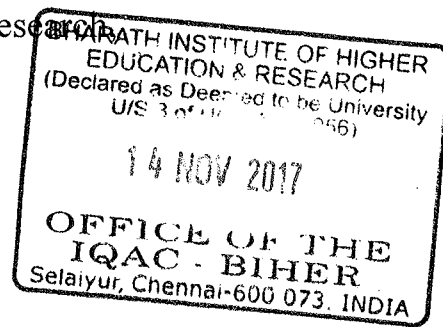
Selaiyur, Chennai.

To

The Dean Engineering,

Bharath Institute of Higher Education and Research,

Selaiyur, Chennai.



Respected Sir,

SUB : Requisition for conducting Workshop on Arduino and Embedded System-Reg

Department of Electronics and Communication Engineering of School of Electrical Engineering has planned to conduct a Workshop on Arduino and Embedded System from 06-11-2017 to 07-11-2017 between 9.30 AM to 4.30 PM. In this regard, we kindly request you to grant permission for the same.

**HOD/ECE**

Thanking you

**Dean Engineering**



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

30.10.2017

From  
The HOD,  
Department of ECE,  
School of Electrical Engineering,  
BIHER.

To  
Mr Balakrishnan,  
Senior Design Engineer  
Foreview Technologies, Chennai.

Respected sir,

Sub:- The Department of Electronics and Communication Engineering, School of Electrical Engineering, BIHER, proposed to conduct a workshop on “Arduino and Embedded System ” - Permission requested to deliver an invited talk – Reg.

In the continuation of telephonic conversation, it is requested to deliver an invited talk in “Arduino and Embedded System”, on 06.11.2017. Kindly accept our request and do the needful.

Convener

**Dr.M.Sangeetha, HOD/ECE**



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## CIRCULAR

### SCHOOL OF ELECTRICAL ENGINEERING

**Date: 01.11.2017**

The School of Electrical Engineering, Department of ECE, BIHER is glad to conduct a Workshop on “**ARDUINO AND EMBEDDED SYSTEM**” dated 06.11.2017 in association with Fore view Technologies, Chennai, between 9.30 AM to 4.30 PM. Those who are interested to participate do register their name with the program coordinator mentioned below.

**Resource Person:**

**Mr Balakrishnan,  
Senior Design Engineer  
Foreview Technologies ,Chennai.**

**Convener:**

**Dr.M.Sangeetha,**

**HOD/ECE**

**Program Coordinator:**

**Ms.Sowmiya Manoj, Mr.T.Vijayan**

**Assistant Professor**

**Email:sowmiyamanoj.ece@bharathuniv.ac.in**

**Contact no:7358747803**

**Convener:**

**Dr.M.Sangeetha, HOD/ECE**

To,

Copy to ECE Department,

Copy to EEE Department,

Department Notice Board



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

**Department of ECE**

**Program Schedule**

**06.11.2017**

<b>Time</b>	<b>Event</b>
<b>09.30 – 9.40 AM</b>	<b>Inaugural Address</b>
<b>09.40 – 9.50 AM</b>	<b>Keynote Address</b>
<b>09.50 - 10.50 AM</b>	<b>Session 1</b>
<b>10.50 - 11.00 AM</b>	<b>Tea Break</b>
<b>11.00 - 12.30 PM</b>	<b>Session 2</b>
<b>12.30 - 1.30 PM</b>	<b>Lunch Break</b>
<b>01.30 - 3.45 PM</b>	<b>Session 3</b>
<b>03.45 - 4.00 PM</b>	<b>Vote of Thanks</b>



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

**Department of ECE**

**Program Schedule**

**07.11.2017**

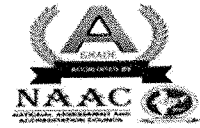
<b>Time</b>	<b>Event</b>
<b>09.30 – 9.40 AM</b>	<b>Inaugural Address</b>
<b>09.40 – 9.50 AM</b>	<b>Keynote Address</b>
<b>09.50 - 10.50 AM</b>	<b>Lab Session</b>
<b>10.50 - 11.00 AM</b>	<b>Tea Break</b>
<b>11.00 - 12.30 PM</b>	<b>Lab Session</b>
<b>12.30 - 1.30 PM</b>	<b>Lunch Break</b>
<b>01.30 - 3.45 PM</b>	<b>Lab Session</b>
<b>03.45 - 4.00 PM</b>	<b>Vote of Thanks</b>



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## SCHOOL OF ELECTRICAL ENGINEERING

## WORKSHOP ON EMBEDDED SYSTEM DESIGN

### Invitation





School of Electrical Engineering  
Department of ECE  
BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
in association with  
Fore view Technologies, Chennai.  
WORKSHOP ON  
ARDUINO AND EMBEDDED SYSTEM

**Resource Persons:** Mr Balakrishnan,  
Dr. T. Veeramanikandasamy,  
Keynote Address: Dr. J. Hameed Hussain, Dean Engineering, BIHER, Chennai  
Special Address: Dr. M. Sangeetha, Professor & Head/ECE, BIHER  
Program Coordinator: Mrs. Sowmiya manoj & Mr. T. Vijayan

Venue: Smart Room, ECE, BIHER  
Date : 06.11.2017 & 07.11.2017  
Time : 11.00 am to 3.00 pm



**SCHOOL OF ELECTRICAL ENGINEERING**  
**WORKSHOP ON EMBEDDED SYSTEM DESIGN**  
**BROCHURE**

<p><b>REGISTRATION FORM</b></p> <p>1. Name : 2. Department : 4. Designation : 5. Qualification : 6. Mobile Number : 7. Contact Address : 8. E-Mail ID :</p> <p><b>REGISTRATION FEE: RS 750</b></p> <p><b>PAYMENT DETAILS:</b></p> <p>D.D.No:                      Date:   Drawn on Bank:  Amount:  Signature                      Head of Institution  Date: (Photocopies of the form accepted)</p>	<p><b>COURSE CONTENT</b></p> <ul style="list-style-type: none"><li>• Introduction to Arduino (Different Boards and Philosophy)</li><li>• Introduction to Arduino IDE</li><li>• Arduino Programming language</li><li>• Debugging with Arduino Platform</li><li>• Introduction to Embedded Architecture</li><li>• Real Time Operating Systems</li><li>• Implementing Realtime algorithm</li></ul> <p><b>RESOURCE PERSONS</b></p> <p>1. Dr. T. Veeramankandasamy, Associate Professor, Dept. of Electronics and Communication Systems, Sri Krishna Arts and Science College, Coimbatore - 641008.</p> <p>2. Mr Balakrishnan, Senior Design Engineer Foreview Technologies ,Chennai.</p>	<p> <b>Bharath</b> INSTITUTE OF HIGHER EDUCATION AND RESEARCH 173, Agharam Road, Selaiyur, Chennai-600073</p> <p><b>WORKSHOP ON</b> Design of Embedded system <b>6<sup>th</sup> and 7<sup>th</sup> November 2017</b></p> <p><b>ORGANIZED BY</b> DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING SCHOOL OF ELECTRICAL SCIENCES</p>
<p><b>CO-ORDINATOR:</b></p> <p>Ms. Sowmya manoj Assistant Professor, ECE Mr. T. Vijayan Assistant Professor, ECE</p> <p><b>VENUE:</b></p> <p>Smart Room Department of Electronics and Communication Engineering, BIHER.</p>	<p><b>CONVENER</b> Dr.M.Sangeetha Prof &amp; Head/ECE</p>	<p> <b>www.bharathuniv.ac.in</b></p>



## SCHOOL OF ELECTRICAL ENGINEERING

### WORKSHOP ON EMBEDDED SYSTEM DESIGN

#### LIST OF PARTICIPANTS

**TOTAL NUMBER OF PARTICIPANTS:50**

S.NO	NAME OF THE PARTICIPANT	CATEGORY	INSTITUTE	CITY	STATE
1	S.SARAVANA	FACULTY	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	CHENNAI	TAMILNADU
2	SOWMIYA MANOJ	FACULTY	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	CHENNAI	TAMILNADU
3	G.KANAGAVALLI	FACULTY	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	CHENNAI	TAMILNADU
4	M.JASMIN	FACULTY	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	CHENNAI	TAMILNADU
5	B.HEMALATHA	FACULTY	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	CHENNAI	TAMILNADU
6	K.SUBBULAKSHMI	FACULTY	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	CHENNAI	TAMILNADU
7	BORA GANESH	STUDENT	St. Joseph's Institute of Technology	CHENNAI	TAMILNADU
8	MUNTA PRAVEEN KUMAR	STUDENT	Agni College of Technology	CHENNAI	TAMILNADU
9	MATHIUKHONANG	STUDENT	St.Joseph's Institute Of Technology, Chennai	CHENNAI	TAMILNADU
10	SANGAVI B		Bharath Institute of Higher Education and Research	CHENNAI	TAMILNADU

		STUDENT			
11	A.Nivedha	STUDENT	Velammal Engineering College	CHENNAI	TAMILNADU
12	M.Kavya	STUDENT	Bharath Institute of Higher Education and Research	CHENNAI	TAMILNADU
13	AJITH A K	STUDENT	St.Joseph's Institute of Technology	CHENNAI	TAMILNADU
14	SRIRAM GANES S	STUDENT	Velammal Engineering College	CHENNAI	TAMILNADU
15	GALLA BALAJI	STUDENT	Bharath Institute of Higher Education and Research	CHENNAI	TAMILNADU
16	P NITHIN KRISHNA	STUDENT	Velammal Engineering College	CHENNAI	TAMILNADU
17	THIRUKUMARAN R	STUDENT	Bharath Institute of Higher Education and Research	CHENNAI	TAMILNADU
18	BARATH D	STUDENT	St.Joseph's Institute of Technology	CHENNAI	TAMILNADU
19	ALICATTA AVINASH	STUDENT	Velammal Engineering College	CHENNAI	TAMILNADU
20	C BHARATHRAJ	STUDENT	Bharath Institute of Higher Education and Research	CHENNAI	TAMILNADU
21	ALLA RAJA SEKHAR REDDY	STUDENT	Agni College of Technology	CHENNAI	TAMILNADU
22	SHALINI.K	STUDENT	St.Joseph's Institute Of Technology,Chennai	CHENNAI	TAMILNADU
23	HAMEED ANWAR.D	STUDENT	St. Joseph's Institute of Technology, Chennai.	CHENNAI	TAMILNADU
24	EDWARD.J	STUDENT	Velammal Engineering College	CHENNAI	TAMILNADU
25	JAYASEELAN.H	STUDENT	Agni College of Technology	CHENNAI	TAMILNADU
26	ARUNA.L	STUDENT	St. Joseph's Institute of Technology, Chennai.	CHENNAI	TAMILNADU
27	MANIKAM.B	STUDENT	Velammal Engineering College	CHENNAI	TAMILNADU
28	GALLA BALAJI	STUDENT	Agni College of Technology	CHENNAI	TAMILNADU
29	SHREYA SHUBHANGI	STUDENT	St.Joseph's Institute Of Technology,Chennai	CHENNAI	TAMILNADU

30	THIRUKUMARAN R	STUDENT	Velammal Engineering College	CHENNAI	TAMILNADU
31	NAGA MEGASIVA VARDHAN REDDY	STUDENT	Agni College of Technology	CHENNAI	TAMILNADU
32	ALICATTA AVINASH	STUDENT	Bharath Institute of Higher Education and Research	CHENNAI	TAMILNADU
33	ABIRAMI B	STUDENT	St.Joseph's Institute Of Technology,Chennai	CHENNAI	TAMILNADU
34	SRIRAM GANES S	STUDENT	St. Joseph's Institute of Technology, Chennai.	CHENNAI	TAMILNADU
35	THARUN.S	STUDENT	Bharath Institute of Higher Education and Research	CHENNAI	TAMILNADU
36	SANKAR.A	STUDENT	Velammal Engineering College	CHENNAI	TAMILNADU
37	MALAVIKA.S	STUDENT	Agni College of Technology	CHENNAI	TAMILNADU
38	KATHIR.M	STUDENT	St.Joseph's Institute Of Technology,Chennai	CHENNAI	TAMILNADU
39	KARTHIL	STUDENT	St. Joseph's Institute of Technology, Chennai.	CHENNAI	TAMILNADU
40	SHARAN.C	STUDENT	Velammal Engineering College	CHENNAI	TAMILNADU
41	MANSOOR.B	STUDENT	Agni College of Technology	CHENNAI	TAMILNADU
42	MALATHY.S	STUDENT	Bharath Institute of Higher Education and Research	CHENNAI	TAMILNADU
43	MUNGARA SRIHARIBABU	STUDENT	St.Joseph's Institute Of Technology, Chennai	CHENNAI	TAMILNADU
44	BARATH D	STUDENT	St. Joseph's Institute of Technology, Chennai.	CHENNAI	TAMILNADU
45	K.KARTHIK	STUDENT	Bharath Institute of Higher Education and Research	CHENNAI	TAMILNADU
46	NIKESH E	STUDENT	Velammal Engineering College	CHENNAI	TAMILNADU
47	AKSHAY B	STUDENT	Bharath Institute of Higher Education and Research	CHENNAI	TAMILNADU
48	SRIRAM GANES S	STUDENT	Agni College of Technology	CHENNAI	TAMILNADU
49	THIRUKUMARAN R	STUDENT	St.Joseph's Institute Of Technology,Chennai	CHENNAI	TAMILNADU
50	PRAVEEN KUMAR S	STUDENT	St. Joseph's Institute of Technology, Chennai.	CHENNAI	TAMILNADU



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## SCHOOL OF ELECTRICAL ENGINEERING

## WORKSHOP ON ARDUINO AND EMBEDDED DESIGN

FEEDBACK FORM		Date: 6/11/2017			
Name	Shalini.k				
Register number	-				
Phone number	9176777878				
Email address	Shalinik@gmail.com				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
The Speaker				✓	
Audio, Visual Aids Technology used				✓	
Presentation handouts					✓

  
Student Signature



**AS Sowmeetha**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
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ACCREDITED WITH 'A' GRADE BY NAAC

## SCHOOL OF ELECTRICAL ENGINEERING

### CERTIFICATION OF PARTICIPATION

*This is to certify that Mr K KARTHICK has attended two days workshop on  
"Arduino and Embedded System Organized by the Department of Electronics  
and Communication Engineering conducted on 06.11.2017 & 07.11.2018*

COORDINATORS

Ms Sowmiya Manoj

CONVENOR

Dr.M.Sangeetha



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**PHOTO**

