


# Bharath Institute of Higher Education and Research

[Declared Under Section 3 of UGC Act, 1956]



Chennai – 600 073

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

### DOCUMENTS SUBMISSION FORM

<b>Date of Submission</b>	20-06-2019
<b>Type of Documents</b>	SEMINAR
<b>Description</b>	SEMINAR on “ <b>Development of Sensors for Applications</b> ”
<b>Enclosures</b>	a) REQUISITION LETTER b) PERMISSION LETTER c) CIRCULAR d) SCHEDULE e) INVITATION f) BROCHURE g) LIST OF PARTICIPANTS h) FEEDBACK FORM i) PHOTO j) CERTIFICATE
<b>No. of Pages</b>	15
<b>Name</b>	: Dr. M.Sangeetha
<b>Designation</b>	: Professor &HOD/ECE
<b>Department</b>	: ECE
<b>Signature</b>	: 

### For Office Use Only

<b>Verified By:</b>	K. Sakthivel	<b>Sign:</b> 	<b>Date:</b> 20/6/2019
<b>Uploaded By:</b>	K. Senthil Kumar	<b>Sign:</b> 	<b>Date:</b> 20/6/2019
<b>File Name:</b>	SEMT - SEE - ECE - 2019 - 2020 - 01		

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

FROM

14.05.2019

The HOD

Department of ECE

Bharath Institute of Higher Education and Research

Selaiyur, Chennai-73



TO

The Dean Engineering

Bharath Institute of Higher Education and Research

Selaiyur, Chennai-73

Respected Sir,

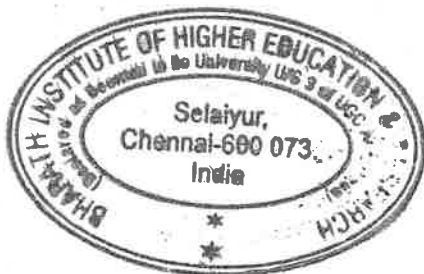
Subject: Requisition for conducting a seminar on Advanced Microprocessor-

Regarding.

The School of Electrical Engineering has planned to conduct a Seminar on the topic "Development of Sensors for Applications" dated on 12.06.2019 between 9.30A.M. to 4.30 P.M. In this regard, I request you to kindly grant permission for conducting the same.

Thanking You

HOD/ECE



Dean Engineering  
DEAN (Engineering)

Bharath Institute of Science & Techno...  
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH  
(Declared as Deemed to be University U/S 3 of UGC Act 1956)  
Selaiyur, Chennai-600 073.



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### BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

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

## Permission Letter

20.05.2019

From

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

To

Mr. Sanjay Kumar G.  
Product Engineer  
Phoenix Surveillance Systems Pvt Ltd,  
New Delhi-110018.

Respected sir,

Sub:- The Department of Electronics and Communication Engineering, School of Electrical Science, BIHER, proposed to conduct a seminar in “**Development of Sensors for Applications**” Permission requested to deliver an invited talk – Reg.

In the continuation of telephonic conversation, it is requested to deliver an invited talk in “Development of Sensors for Applications”, on 12.06.2019. Kindly accepts our request and does the needful.

Convener

Dr.M.Sangeetha, HOD/ECE



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**CIRCULAR**  
**SCHOOL OF ELECTRICAL ENGINEERING**

**Date: 22.05.2019**

The School of Electrical Engineering, Department of ECE, BIHER is glad to conduct a Seminar on “**Development of Sensors for Applications**” dated on 12.06.2019 , between 9.30AM to 4.30PM. Those who are interested to participate do register your name with the program coordinator mentioned below.

**Resource Person:**

**Mr.Sanjay Kumar G.,**  
**Product Engineer,**  
**Phoenix Surveillance Systems Pvt Ltd,**  
**New Delhi -110018.**

**Convener:**

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

**Program Coordinator:**

**Dr.S.Prakash**  
**Professor**  
**Email:prakash.sav4@gmail.com**  
**Contact no: 9884282498.**

**Convener**

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



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## DEPARTMENT OF ECE

### Program Schedule

DATE	SESSION	Contact Hours	TOPICS	Resource person
12-06-2019	FN	9:30-10:30	Basics of SENSORS Introduction	<b>Mr.Sanjay Kumar G.</b> Phoenix Surveillance Systems Pvt Ltd, New Delhi.
		TEA BREAK		
		10:50 – 11:50	SENSORS in Industrial and Real time Applications	
	LUNCH BREAK			
	AN	1:00 to 2:00	SENSORS in Defense Applications	<b>Mr.Sanjay Kumar G.</b> Phoenix Surveillance Systems Pvt Ltd, New Delhi.
		2:30-3:30	SENSORS in Biomedical Applications	
		TEA BREAK		
		3:45-4:30	Software Tools used for Sensor Design and Applications.	



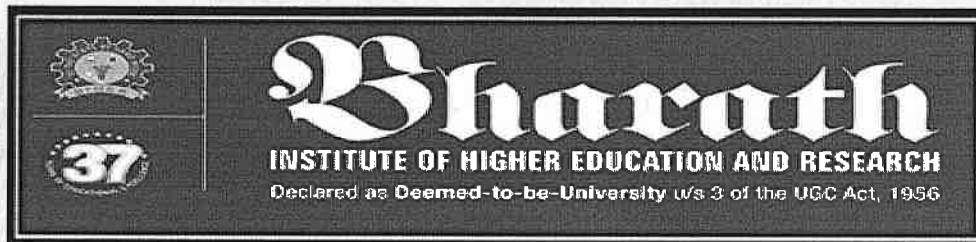
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No.173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

**Department of ECE**  
**INVITATION**



**School of Electrical Engineering**

Department of Electronics and Communication Engineering

Seminar on

"Advanced Microprocessor"

<b>Resource Person</b>	<b>Mr.SANJAY KUMAR G.</b> : <b>Phoenix Surveillance Systems pvt ltd</b> <b>New Delhi.</b>
<b>KEYNOTE ADDRESS</b>	: <b>Dr.J.Hameed Hussian, Dean Engineering BIHER.</b>
<b>SPECIAL ADDRESS</b>	: <b>Dr.M.Sangeetha, Professor/HOD, ECE, BIHER</b>
<b>PROGRAM COORDINATOR</b>	: <b>Dr.S.Prakash, Professor, ECE, BIHER</b>
<b>VENUE</b>	: <b>ECE SMART ROOM, SA BLOCK, BIHER</b>
<b>DATE</b>	: <b>12-06-2019</b>
<b>TIME</b>	: <b>9.30 - 4.30 PM</b>



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### BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

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#### SEMINAR - BROUCHURE

<p>Registration form: Name : Designation: Name of the Title : Area of Research : Organization : Address for Communication :</p>	<p>Advisory Committee: Dr.J.Sandeep Anand Chancellor/BIHER Dr.S.Suresha Anand Managing Director/BIHER Dr.M.Kanagasabai Vice chancellor/BIHER</p>	  BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH 173, Agharam road, Selaiyur, Chennai-600073
<p>Contact No: Email : Category : PG students/Research Scholar/Faculty/Industrial person</p>	<p>Co Patron Dr.K.PTheoyamani Pro vice chancellor/BIHER Dr.J.Hameed Hussain Dean Engineering /BIHER Dr.M.Sundararajan Dean School of Electrical science/BIHER</p>	
<p>Payment Details : D.D No/ Date : Drawn on Bank : Amount :</p>	<p>Convener Dr.M.Sangeetha Professor &amp; HOD/ECE</p>	
<p>Signature Head of Institution</p>	<p>Program Committee: Dr S.Arulselvi Associate Professor/ECE</p> <p>Technical Committee: Dr.S.Philomina Assistant Professor/ECE G.Jeyalakshmi Assistant Professor/ECE</p> <p>Organizing Secretary: S. Sandeep Student of ECE K.Ajay Student of ECE</p>	
<p>Date : (Photo copies of the form accepted)</p>		

**About the University:**

The first self-financing Engineering College in the name of Bharath Institute of Science and Technology (BIST) was started in Tamil Nadu in 1984 by Sri Lakshmi Ammal Educational Trust, established by the academic visionary Dr.S.Jagathrakshakan.

Bharath University and is known for providing high quality education to around 10000 students from across the world in multi stream. The institute facilitates the guidance of 1300 teaching faculty members to provide guidance to do Undergraduate, Postgraduate programs and to facilitate Ph.D. research.

**About the Department:**

Electronics and Communication Engineering (ECE) is a swiftly advancing field, with new ideas emerging every other seconds. Graduate engineers in this discipline will be equipped to design and fabricate, install, operate and maintain complex electronic circuits, equipment's and systems.

The course also covers designing security in communications, besides all the software and hardware required in the communication domain.

**About the Seminar:**

Although sensor technologies have been developing quite similarly all over the world, the investigation of their applications has been more affected by the specific industrial and economic characteristics of each country. This Seminar aims to investigate the development of applications based on sensor devices in the sectors of energy and the environment. Depends on foreign imports for more than 80% of its primary energy needs, and this has directed the research effort on the development of sensor applications both to improve load shaping and consumers' awareness and to develop specific equipment to maximize renewable energy production.

**Seminar Structure:**

**Theory of Sensors-** Get familiar with

1. Understand how to specify the proper thermal, flow, or rotary sensor for taking real time process data.
2. Implement thermal sensors into an embedded system in both hardware and software.
3. Add the sensor and sensor interface into a microprocessor based development kit.

**Practical Session -** Gain hands-on experience by

1. Create hardware and firmware to process sensor signals and feed data to a microprocessor for further evaluation.
2. sensor signal noise and apply proper hardware techniques to reduce it to acceptable levels.
3. Exploring different methods of visualizing the outcome .
4. Solving industry related engineering problems and devising solutions.

**Brainstorming session -** Solve an assigned problem covering the entire topic on your own at the venue to assess your learning.

The Research scholars and students, Faculties can confirm their registration by sending the DD. The DD should take in favour of "BIHER Chennai" before 05.05.2019, backside of DD carry full name, contact number and address of the author. Selected candidates list announced through email. Accommodation shall be arranged on request at a reasonable cost.

**Dates to be Remember :**

Last date for Registration: 05/05/2019

Short listed candidates list announcement: 10/05/2019

**Registration fee details:**

Students : Rs.250/  
 Research scholars &  
 Staff members : Rs.500/  
 Industry Person : Rs.750/



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### BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

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

**Department of ECE**  
**PARTICIPANTS LIST**  
**Total No. Of Students=60.**

S. N O	REG NO	NAME OF THE PARTICIPANT	CATEGORY	INSTITUTE	STATE
1	STAFF	S.SARAVANA	FACULTY	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
2	STAFF	SOWMIYA MANOJ	FACULTY	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
3	STAFF	G.KANAGAVALLI	FACULTY	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
4	STAFF	M.JASMIN	FACULTY	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
5	STAFF	B.HEMALATHA	FACULTY	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
6	STAFF	K.SUBBULAKSHMI	FACULTY	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
7	STAFF	KAPULURI MARUTHI RAO	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
8	U17EC071	DARISA KATHYAYANI	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
9	U17EC072	MOCHARLA SAIVIKAS	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
10	U17EC073	SALURI RAHUL KUMAR	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
11	U17EC074	BANDARU NAVEEN KUMAR	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
12	U17EC075	PASUPULETI SAI KAMALESH	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
13	U17EC076	CHANDANA NAGA VENKATA MADHU PAVAN	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
14	U17EC077	VELAMALA ANIL KUMAR	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
15	U17EC038	GANGISETTI SAI TEJA	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU

16	U17EC039	CHELLEBOYENA GOPAL	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
17	U17EC040	VAKAMALLA DATHA POOJA	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
18	U17EC042	GADAMSETTY AMRUTHA VALLI	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
19	U17EC043	KOTHA SUSHMA	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
20	U17EC044	SHAIK ABDUL RAHIMAN	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
21	U17EC045	KALAM PAVAN KUMAR	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
22	U17EC046	CHINTAPATLA HARSHAVARDHAN	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
23	U17EC047	S ABDUL MUNAF	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
24	U17EC048	A GIRISH KUMAR	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
25	U17EC049	CHOWTAPALLI SOWMYA	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
26	U17EC050	KOTIKALAPOODI OOHA SAVERI	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
27	U17EC051	THOTA VENKATA SAI BHAVANA	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
28	U17EC052	CHEBROLU BHAVYA SRI	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
29	U17EC053	D SANDEEP	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
30	U17EC054	KANDULA RAVITEJA	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
31	U17EC055	PALAPARTHI HARISH	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
32	U17EC056	KATARI SAI SANDEEP	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
33	U17EC057	MUNNANGI CHANDRASEKHARREDDY	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
34	U17EC058	KOTTAGUNDU KUMAR SRI SAI	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
35	U17EC101	SHAIK JHONY BASHA	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
36	U17EC102	KANCHETI NIKHIL	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
37	U17EC103	K KARTHIK	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
38	U17EC104	KOTI MANI KUMAR	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
39	U17EC105	KANDE SAI NARESH KUMAR	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
40	U17EC106	BOLLA SWAMULU	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
41	U17EC107	ATUKURI VENKATA NAGA NAVEEN	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
42	U17EC108	PASAM BALANAGA MANIKANTA	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU

43	U17EC109	BOODHALA PAVANI	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
44	U17EC110	GOVINDU NIRUSHASAI	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
45	U17EC111	KOMARAJU VENKARA KRISHNA VAMSI	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
46	U17EC112	PANGULURI SAI MAHESH	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
47	U17EC113	RELLA ANIL	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
48	U17EC114	K VAMSHIDHAR	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
49	U17EC115	BHARGAV KANKATALA	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
50	U17EC116	SURE NAVEEN KUMAR	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
51	U17EC117	RAVURI GANESH	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
52	U17EC118	JAVVAJI SAI	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
53	U17EC119	KOTHAPALLI RAMAYYA NAIDU	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
54	U17EC124	TANKALA RAJU	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
55	U17EC125	MALLANGI ASWINI	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
56	U17EC126	C HIMA BINDU	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
57	U17EC127	GAMPA VAMSI	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
58	U17EC128	AKULA VENKATA TRIVEN KUMAR	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
59	U17EC129	THANGARAJ GOWTHAM	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU
60	U17EC130	GIDDALURI VENKATA PAVANCHAND	STUDENT	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	TAMILNADU



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## SCHOOL OF ELECTRICAL ENGINEERING FEEDBACK FORM

### Seminar on Development of Sensors for Applications

FEED BACK FORM		Date: 12.06.2019			
Name	Tankala Raju				
Phonenummer	9800600811				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
Seminar's objective were stated clearly and met?				✓	
Audio, Visual Aids Technology used			✓		
Presentation hand outs				✓	
Seminar enhances your Studies/Research?			✓		
The information presented was useful?			✓		
The speaker was engaging and Knowledgeable?				✓	

*Tankala Raju*  
**Student Signature**



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## SCHOOL OF ELECTRICAL ENGINEERING FEEDBACK FORM

### Seminar on Development of Sensors for Applications

FEED BACK FORM		Date:12.06.2019			
Name	K. Vamshidhar				
Phonenumber	9002611002				
	Poor	Fair	Good	Very Good	Excellent
Overall Program			✓		
Seminar's objective were stated clearly and met?				✓	
Audio, Visual Aids Technology used			✓		
Presentation hand outs				✓	
Seminar enhances your Studies/Research?			✓		✓
The information presented was useful?				✓	
The speaker was engaging and Knowledgeable?				✓	

  
Student Signature



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**Department of ECE**  
**One day Seminar on “Development of Sensors for Applications”**  
**12.06.2019**



**Students are attending a Seminar on “Development of Sensors for Applications” on**  
**12.06.2019**



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## Department of ECE CERTIFICATE



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ACCREDITED WITH 'A' GRADE BY NAAC

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING CERTIFICATION OF PARTICIPATION

*This is to certify that Mr./Mrs. SALURI RAHUL KUMAR has attended Seminar on "Development of Sensors for Applications" Organized by the Department of Electronics and Communication Engineering , BIHER conducted on 12.06.2019.*

*S.A.U.*

*Dr. S. Arulselvi*

COORDINATORS

Dr.S.Arulselvi ,Ms.S.Philomina

Phoenix Surveillance systems

*M.S.*

CONVENOR

Dr.M.Sangeetha