

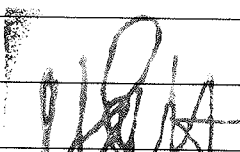
# Bharath Institute of Higher Education and Research

[Declared Under Section 3 of UGC Act, 1956]

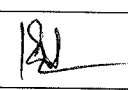
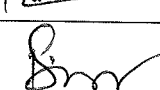
Chennai – 600 073

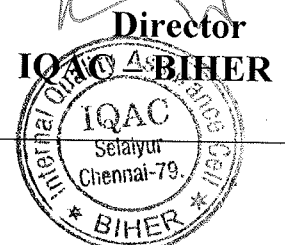
## INTERNAL QUALITY ASSURANCE CELL (IQAC)

### DOCUMENTS SUBMISSION FORM

<b>Date of Submission</b>	15.02.2020
<b>Type of Documents</b>	Seminar
<b>Description</b>	Advances in Magnetic Field Sensors
<b>Enclosures</b>	a) REQUISITION LETTER
	b) PERMISSION LETTER
	c) CIRCULAR
	d) SCHEDULE
	e) INVITATION
	f) BROCHURE
	g) LIST OF PARTICIPANTS
<b>No. of Pages</b>	14
<b>Submitted By</b>	<b>Name</b> : Dr.M.Sangeetha
	<b>Designation</b> : Professor/HOD
	<b>Department</b> : ECE
	<b>Signature</b> : 

### For Office Use Only

<b>Verified By:</b>	K-Sakthivel	<b>Sign:</b> 	<b>Date:</b> 15/2/2020
<b>Uploaded By:</b>	K. Senthil Kumar	<b>Sign:</b> 	<b>Date:</b> 15/2/2020
<b>File Name:</b>	SEMS - SEE - ECE - 2019 - 2020 - 16		





# Bharath

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

## REQUISITION LETTER

02.01.2020

FROM

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

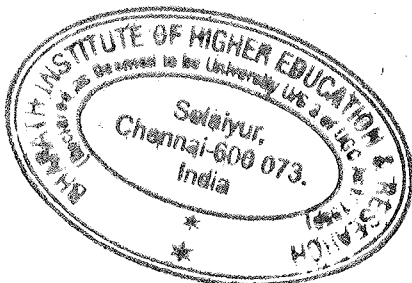
Respected Sir,

Subject: Requisition for conducting a seminar on "Advances in Magnetic Field Sensors"-Regarding.

The School of Electrical Engineering has planned to conduct a Seminar on the topic "Advances in Magnetic Field Sensors" dated on 04.02.2020 between 9.30 AM to 4.30 PM. 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 & Technology  
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.

10.01.2020

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

To  
Dr. R. Krishnan,  
Scientist,  
SAMEER, Chennai.

Respected sir,

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

In the continuation of telephonic conversation, it is requested to deliver an invited talk in “Advances in Magnetic Field Sensors” on 04.02.2020. Kindly accept our request and do the needful .

Convener

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



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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**

**04/02/2020**

<b>09.30 - 10.00 AM</b>	<b>Inaugural Address</b>
<b>09.30 AM</b>	<b>Welcome Address Dr.M.Sangeetha</b>
<b>09.35 AM</b>	<b>About the Seminar Ms.G.Jeyalakshmi</b>
<b>09.40AM</b>	<b>Introduction of the Chief Guest Dr.S.Arulselvi</b>
<b>09.45 AM</b>	<b>Inaugural address by Chief Guest Dr. R. Krishnan, Scientist, SAMMER, Chennai</b>
<b>10.00 AM Onwards</b>	<b>Invited Talk Dr. R. Krishnan, Scientist, SAMMER, Chennai</b>
<b>12.30-1.30 PM</b>	<b>Lunch break</b>
<b>1.45-03.00pm</b>	<b>Presentation</b>
	<b><u>Valedictory program</u></b>
<b>03.30-04.00PM</b>	<b>Valedictory Function</b>
<b>04.00-04.20PM</b>	<b>Vote of Thanks (Coordinator)</b>



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

## CIRCULAR

### SCHOOL OF ELECTRICAL ENGINEERING

**Date: 20.01.2020**

The School of Electrical Engineering, Department of ECE, BIHER is glad to conduct a Seminar on “**Advances in Magnetic Field Sensors**” dated on 04.02.2020 between 9.30AM to 4.30PM. Those who are interested to participate do register your name with the program coordinator mentioned below.

**Resource Person: Dr. R. Krishnan, Scientist, SAMEER, Chennai**

**Convener:**

**Dr.M.Sangeetha,**

**HOD/ECE**

**Program Coordinator:**

**Mrs.G.Jeyalakshmi**

**Assistant Professor**

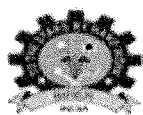
**Email:jeyalakshmig99@gmail.com**

**Contact no:9840976989**

**Convener**

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

# INVITATION



**Bharath**

**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**

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**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**

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

**SCHOOL OF ELECTRICAL ENGINEERING  
IN ASSOCIATION WITH  
SAMEER, CHENNAI**

**CORDIALLY INVITE YOU FOR THE ONE DAY  
National Seminar on  
ADVANCES IN MAGNETIC FIELD SENSORS**

Resource Person:

**Dr. R. Krishnan, Scientist  
SAMEER, Chennai**

Keynote Address: Dr. J. Hameed Hussain, Dean Engineering, BIHER.

Special Address: Dr. M. Sangeetha, Professor & Head/ ECE, BIHER.

Program Coordinators:

Ms. G. Jeyalakshmi, Assistant Professor/ECE

**Venue: ECE Smart Room, BIHER**

**Date: 04.02.2020**

**Time: 9.30am – 4.00pm**

Organized by  
**The Department of ECE  
School of Electrical Engineering  
Bharath Institute of Higher Education and Research  
Chennai**

**Bharath Institute of Higher Education and Research**  
**Department of ECE**  
**PARTICIPANTS LIST**  
**Total No. Of Students=40**

<b>S.NO.</b>	<b>NAME OF THECANDIDATE</b>	<b>Name of the Department &amp; College</b>
1	Kanchana L	ECE, Dhanalakshmi college of Engineering and Technology, Chennai
2	Gokul M	ECE, Dhanalakshmi college of Engineering and Technology, Chennai
3	Jayakumar D	ECE, Dhanalakshmi college of Engineering and Technology, Chennai
4	Ganga N	ECE, Sai Ram College of Engineering and Technology, Chennai
5	Nandapriya P	ECE, Sai Ram College of Engineering and Technology, Chennai
6	Alex K	ECE, Bhajrang Engineering College, Chennai
7	Pandiyan J	ECE, Bhajrang Engineering College, Chennai
8	Ramya L M	ECE, GKM Engineering College, Chennai
9	Raksha A	ECE, GKM Engineering College, Chennai
10	Shashank G K	ECE, Bhajrang Engineering College, Chennai
11	Sabarishyam K L	ECE, Sri Venkateshwara Engineering and Technology, Chennai
12	Susila D M	ECE, Dhanalakshmi college of Engineering and Technology, Chennai
13	Menaka B	ECE, Sai Ram College of Engineering and Technology, Chennai
14	Santhosh Y K	ECE, Sai Ram College of Engineering and Technology, Chennai
15	Manivannan C	ECE, Sri Venkateshwara Engineering and Technology, Chennai
16	Saikanthan E N	ECE, Sri Venkateshwara Engineering and Technology, Chennai
17	Sriniketh K L	ECE, GKM Engineering College, Chennai
18	Pranusha H M	ECE, Sri Venkateshwara Engineering and Technology, Chennai
19	Hansha G H	ECE, Dhanalakshmi college of Engineering and Technology, Chennai
20	SwethaPriya K M	ECE, Bhajrang Engineering College, Chennai

21	Vijayasree P	ECE, Bhajrang Engineering College, Chennai
22	Uma Maheswari K	ECE, Dhanalakshmi college of Engineering and Technology, Chennai
23	Naveen Venkat I L	ECE, GKM Engineering College, Chennai
24	Anusha T K	ECE, GKM Engineering College, Chennai
25	Akhil T K	ECE, Sai Ram College of Engineering and Technology, Chennai
26	Sathiya R S	ECE, Sai Ram College of Engineering and Technology, Chennai
27	Sudha T R	ECE, Sai Ram College of Engineering and Technology, Chennai
28	Babu K L	ECE, Tagore Engineering College, Chennai.
29	Jeyaleela R M	ECE, Tagore Engineering College, Chennai.
30	Gomathi L P	ECE, Tagore Engineering College, Chennai.
31	Chendur R S P	ECE, Sai Ram College of Engineering and Technology, Chennai
32	Hamritha P M	ECE, Sai Ram College of Engineering and Technology, Chennai
33	Monisha T	ECE, Dhanalakshmi college of Engineering and Technology, Chennai
34	Sebuloan K	ECE, Dhanalakshmi college of Engineering and Technology, Chennai
35	Anju P R	ECE, Sri Venkateshwara Engineering and Technology, Chennai
36	Vimala S	ECE, Sri Venkateshwara Engineering and Technology, Chennai
37	Karnukaran G L	ECE, Sri Venkateshwara Engineering and Technology, Chennai
38	Vasanthakumar J M	ECE, Sai Ram College of Engineering and Technology, Chennai
39	Victor K	ECE, Sai Ram College of Engineering and Technology, Chennai
40	Preetha H	ECE, Sai Ram College of Engineering and Technology, Chennai

**Bharath Institute of Higher Education and Research**  
**Department of ECE**  
**One day Seminar on “Advances in Magnetic Field Sensors”**  
**04.02.2020**



**Attending a Seminar on “Advances in Magnetic Field Sensors” on 04.02.2020**

<p>Registration form:  <b>Name :</b>  <b>Designation:</b>  <b>Name of the Title :</b>  <b>Area of Research :</b>  <b>Organization :</b>  <b>Address for Communication :</b></p> <p><b>Contact No:</b>  <b>Email :</b>  <b>Category :</b> PG  students/Research  Scholar/Faculty/Industrial  person</p> <p><b>Payment Details :</b>  <b>D. D No/ Date :</b>  <b>Drawn on Bank :</b>  <b>Amount :</b></p> <p><b>Signature</b>    <b>Head of Institution</b></p> <p><b>Date :</b>  (Photos copies of the form  accepted)</p>	<p><b>Advisory Committee:</b>  <b>Dr.J.Sundeep Anand</b>  <b>Chancellor/BIHER</b>  <b>Dr.S.Sweetha Anand</b>  <b>Managing Director/BIHER</b>  <b>Dr.V.Kanagasabai</b>  <b>Vice chancellor/BIHER</b></p> <p><b>Co-Patron</b>  <b>Dr.K.P.Theerayamani</b>  <b>Pro vice chancellor/BIHER</b>  <b>Dr.L.Hameed Hussain</b>  <b>Dean Engineering /BIHER</b>  <b>Dr.M.Sandharajan</b>  <b>Dean School of Electrical  science/BIHER</b></p> <p><b>Convener</b>  <b>Dr.M.Sangeetha</b>  <b>Professor &amp; HOD/ECE</b></p> <p><b>Program Committee:</b>  <b>Dr.S.Analselvi</b>  <b>Associate Professor/ECE</b></p> <p><b>Technical Committee:</b>  <b>G.Jeyalakshmi</b>  <b>Assistant Professor/ECE</b></p> <p><b>Organising Secretary:</b>  <b>Swetha K</b>  <b>Student of ECE</b>  <b>Sanjay L</b>  <b>Student of ECE</b></p>	<div data-bbox="1173 347 1292 448" data-label="Image"> </div> <div data-bbox="1061 459 1412 571" data-label="Image"> </div> <p><b>BHARATH INSTITUTE OF HIGHER  EDUCATION AND RESEARCH</b>  173, Aghram road, Sellahyur,  Chennai-600071</p> <p><b>National Seminar</b>  <b>ON</b>  <b>"Advances in Magnetic  Field Sensors"</b>  <b>04<sup>th</sup> February 2020</b>  <b>Organized</b>  <b>by</b></p> <p><b>DEPARTMENT OF ELECTRONICS  AND COMMUNICATION  ENGINEERING</b>  <b>In association with</b>  <b>SAMEER</b></p> <div data-bbox="997 1220 1412 1579" data-label="Image"> </div> <p><a href="http://www.bharathuniv.ac.in">www.bharathuniv.ac.in</a></p>
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<p><b>About the University:</b></p> <p>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.Jagatheeshaikan.</p> <p>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.</p> <p><b>About the Department:</b></p> <p>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, equipments and systems.</p> <p>The course also covers designing security in communications, besides all the software and hardware required in the communication domain.</p>	<p><b>About the Seminar:</b></p> <p>The most important milestones in the field of magnetic sensors was when AMR sensors started to replace Hall sensors in many applications where the greater sensitivity of AMRs was an advantage. GMR and SOT sensors also find many applications.</p> <p><b>Topic covered:</b></p> <ul style="list-style-type: none"> <li>• Miniaturization of fluxgate sensors</li> <li>• SQUIDS, resonant sensors, GMRs, and magnetomechanical sensors.</li> <li>• Anisotropic magnetoresistive (AMR) sensors – main application is mobile devices.</li> <li>• Giant magnetoresistive (GMR) sensors - applications in angular sensing.</li> <li>• Spin-dependent tunneling (SOT) devices phase.</li> <li>• Nanosensors with picoscale resolution</li> <li>• Critical factors for real applications of magnetic sensors.</li> <li>• Brainstorming session</li> </ul> <p>Solve an assigned problem covering the entire topics on your own at the venue to assess your learning.</p>	<p>The Research scholars and students, Faculties can confirm their registration by sending the DD. The DD should take in favour of "BIHER Chennai" before 30.1.2020, backside of DD carry full name, contact number and address of the author.</p> <p>Selected candidates will be announced through email.</p> <p>Accommodation shall be arranged on request at a reasonable cost.</p> <p><b>Dates to be Remember :</b></p> <p>Last date for Registration: 02/02/2020</p> <p>Short Listed candidates list announcement: 31/1/2020</p> <p><b>Registration fee details:</b></p> <p>Students : Rs.250/-  Research scholars &amp;  Staff members : Rs.500/-  Industry Person : Rs.750/-</p>
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**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**  
No.173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

**Bharath Institute of Higher Education and Research**  
**Department of ECE**  
**CERTIFICATE**



**Bharath**  
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 Ms. Ramya L M has attended one days workshop on "Advances in Magnetic Field Sensors" Organized by the Department of Electronics and Communication Engineering, BIHER conducted on 04.02.2020.**

**COORDINATOR**

**Ms. G. Jeyalakshmi**

  
**CONVENOR**

**Dr.M.Sangeetha**



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

**SCHOOL OF ELECTRICAL ENGINEERING**  
**FEEDBACK FORM**  
**SEMINAR ON ADVANCES IN MAGNETIC FIELD SENSORS**

FEED BACK FORM		Date:04.02.2020			
Name	Akhil T k				
Phonenumber	9966298001				
	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?					✓

*T.k. Akhil*  
**Student Signature**



**SCHOOL OF ELECTRICAL ENGINEERING**  
**FEEDBACK FORM**  
**SEMINAR ON ADVANCES IN MAGNETIC FIELD SENSORS**

FEED BACK FORM		Date: 04.02.2020			
Name	Vijayasree P				
Phonenumber	9698102088				
	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?					✓

*P. Vijayam*  
**Student Signature**