



# Bharath Institute of Higher Education and Research

[Declared Under Section 3 of UGC Act, 1956]

Chennai - 600 073

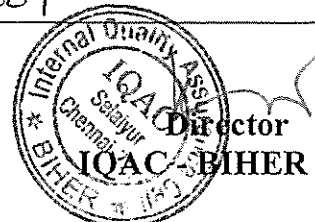
## INTERNAL QUALITY ASSURANCE CELL (IQAC)

### DOCUMENTS SUBMISSION FORM

Date of Submission	20.06.2017
Type of Documents	Seminar
Description	Technical Seminar on "Recent Trends in Biomedical Instrumentation"
Enclosures	a) CIRCULAR
	b) PERMISSION LETTER
	c) INVITATION
	d) LIST OF PARTICIPANTS
	e) FEED BACK FROM THE PARTICIPANTS
	f) SNAPSHOT
	g) CERTIFICATE
No. of Pages	13
Submitted By	Name : Dr. R. VASUKI
	Designation : Professor & HOD / BME
	Department : Biomedical Engineering
	Signature :

### For Office Use Only

Verified By:	K. Sakthivel	Sign:	Date: 20/6/17
Uploaded By:	K. S. Senthil Kumar	Sign:	Date: 20/6/17
File Name:	SBE - BME - SEMI - 2017 - 2018 - 001		





**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF BIO ENGINEERING

DEPARTMENT OF BIOMEDICAL ENGINEERING

Ref: BIHER/BIST/BME//Spl/2017

Date: 3/6/2017

**CIRCULAR**

The Technical seminar on “Recent Trends on Biomedical Instrumentation” is planned by the School of Bio Engineering on 15.06.2017.

This Technical seminar Programme is offered by Department of Biomedical Engineering, Bharath Institute of Higher Education & Research, with the duration of 1 hour (One hour and commences on 15.06.2017). In this regard, students are instructed to give their willingness and confirm their participation to their respective class in charge/Seminar Coordinator before 14.06.2017.

HOD/BME

**Contact:**

Ms.S.Geetha

Assistant Professor/ School of Bio Engineering., Seminar Coordinator

Bharath Institute of Higher Education & Research.

Mobile No:9841600771

Email id: [geethag24@gmail.com](mailto:geethag24@gmail.com)

Copy to Department of Biomedical Engineering

Notice Board/ Department of BME



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



NAAC  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL



SCHOOL OF BIO ENGINEERING  
No.173,Agharam Road,Selayur,Chennai, T.N -600 073  
DEPARTMENT OF BIOMEDICAL ENGINEERING

Ref: BIHER/BIST/BME//Spl/2017

Date: 2/06/2017

## PERMISSION LETTER

From  
Ms.S.Geetha  
Assistant Professor  
Department of Biomedical Engineering  
BIHER

To  
The HOD  
Department of Biomedical Engineering  
BIHER

Respected Sir,


Sub – BME – Proposed to conduct Technical seminar on “Recent Trends on Biomedical Instrumentation” on 15.6.2017 –Permission Requested -Reg

I wish to inform you that, it is proposed to conduct the technical seminar with the Resource Person, K.Venkataram, who is presently working as a Managing Partner in Biovision Medical Systems Chennai, in the topic “Recent Trends on Biomedical Instrumentation” on 15.06.2017.

The Technical seminar will improve the students Knowledge in Biomedical Equipments and it's Working Principles. The Students of UG from School of Bio Engineering can participate in this seminar.

Kindly Permit to conduct the above seminar on 15.06.2017

Thanking You,

  
S.Geetha  
Assistant Professor



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



SCHOOL OF BIO ENGINEERING  
No.173,Agharam Road,Selayur,Chennai, T.N -600 073  
DEPARTMENT OF BIOMEDICAL ENGINEERING

Ref: BIHER/BIST/BME//Spl/2017

Date: 03/06/2017

## PERMISSION LETTER

From  
The HOD  
Department of Biomedical Engineering,  
BIHER

To  
K.Venkataram  
Managing Partner Technical  
Biovision Medical System  
Chennai

Respected Sir

Sub – BIHER–BME–Proposed to conduct technical seminar on “Recent Trends on Biomedical Instrumentation” –Permission Requested to organize technical seminar on 15.06.2017 –Reg

In continuation of Telephonic conversation had on 1.06.2017, it is requested to organize the technical seminar on “Recent Trends on Biomedical Instrumentation” on 15.06.2017.

Kindly accept our request and do the needful.

Thanking you.

HOD/BME



**Sharada**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

**ACADEMIC YEAR 2017-18**

**Seminar – June 2017**



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SCHOOL OF BIO ENGINEERING

DEPARTMENT OF BIOMEDICAL ENGINEERING

## INVITATION

**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

The Management, Staff and Students of Biomedical Engineering Department Solicit your esteemed presence for the

**Technical Seminar**  
**On**  
**Recent Trends on Biomedical Instrumentation**  
**By**



**Mr. K. Venkatraman**  
Managing Partner Technical  
Biovision Medical System  
Chennai

**Time:**  
**11.00 a.m**

**Date:**  
**15<sup>th</sup> June, 2017**

**ALL ARE WELCOME**



**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

## OBJECTIVE

Biomedical engineering is a relatively new and exciting branch of the life sciences that has the potential to transform healthcare — paving the way for further technological developments in prosthetics, surgical devices, and diagnostics, imaging methods and much, much more.

Bridging the gap between biological science, medicine and engineering, the interdisciplinary field of biomedical engineering is changing the way we interact with the world. From prosthetic limbs to medicine delivery technology, the pioneering research of biomedical engineers is shaking the foundations of traditional healthcare to its very core.

Biomedical engineering combines the design and problem-solving skills of engineering with medical biological sciences in order to improve healthcare treatment — including diagnosis, monitoring and therapy — and help people to live longer, better quality lives. The miniaturization of tech has also been a major breakthrough: facilitating the development of more advanced wearable technologies, micro needles for drug-delivery systems and sensors for brain-controlled prosthetics.

Of all the major trends in biomedical engineering, the proliferation of Wearable Health Devices (WHDs) and implantable technologies is arguably one of the most visibly disruptive to the healthcare sector. Nanorobotics is an emerging field of technology that involves creating tiny surgical robots whose components are roughly the size of a nanometre (equivalent to one-billionth of a metre or one-millionth the length of an ant).

Brain-computer interfaces (BCIs) are devices that enable signals from the brain to direct external activity, such as moving a cursor or prosthetic limb. BCIs work by measuring the brain's electrical activity using a monitoring method called electroencephalography (EEG), which involves placing electrodes on the scalp surface. For individuals who have experienced a debilitating loss of motor control, the pursuit of this assistive technology by researchers offers a crucial ray of hope.



**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

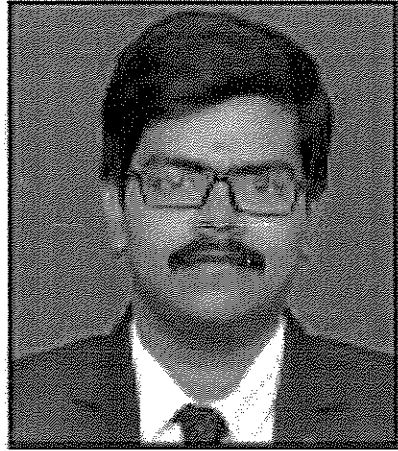
**TIME SCHEDULE FOR WEBINAR**

S.No	Date	Time	Title	Resource Person
1	15.06.2017	11.00am – 12.00 pm	Technical Seminar on “Recent Trends on Biomedical Instrumentation”	K.Venkatraman Managing Partner, Biovision Medical System.



**Sharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

### SPEAKER PROFILE



**Name of Resource Person:** K.Venkatraman, Managing Partner, Biovision Medical System.

- B.E Biomedical Engineering, St. Peters Engineering College 2007-2011
- M.E Medical Electronics, Anna University 2011-2013
- PhD Biomedical Engineering, Sathyabama Institute of Science and Technology 2015-2020
- MBA Hospital Management, University of Madras 2016-2018

### NOTABLE CREDITS

- ❖ He has more than 3 years of experience in biomedical equipments, He Developed Alert System in Helmet, etc as the main products.
- ❖ His main focus is on the service and marketing biomedical equipments.
- ❖ He also worked as Assistant Professor/ BME in an engineering college for more than 2.5 years
- ❖ He is having 13 publications and presented 9 papers in international journals.
- ❖ He is also a partner for AMS Solution, Chennai.



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

## LIST OF PARTICIPANTS

S.No	Full Name	Mobile Number	Name of The Institute	Your Designation
1.	Abhijith	7907169871	BIHER	Student
2.	Abinaya	7868953254	BIHER	Student
3.	Ambati Sneha Sree	9010235132	BIHER	Student
4.	Anagha	9790915107	BIHER	Student
5.	Aneesa	9086788141	BIHER	Student
6.	Aravindhhan	9345304262	BIHER	Student
7.	A.Raabiya Shareef	7358729645	BIHER	Student
8.	Besia	9447426561	BIHER	Student
9.	B. Sheeba Alexia	9962465772	BIHER	Student
10.	Sai Kumar K	8072174863	BIHER	Student
11.	Surasani Sudharshan	9514460028	BIHER	Student
12.	Anjana	8681846606	BIHER	Student
13.	Afreen Banu.A	9952088995	BIHER	Student
14.	Bysani Anjani Umesh	9989982243	BIHER	Student
15.	V. Varatharajan	8610445285	BIHER	Student
16.	Ajith Kumar	9443424086	BIHER	Student
17.	Monisha	9841424537	BIHER	Student
18.	Devasneha	9176990679	BIHER	Student
19.	S.R.Manju Sri	6380717136	BIHER	Student
20.	K.Arun	9865237425	BIHER	Student
21.	Gopalakrishnan	9994255890	BIHER	Student
22.	Rambalaji	8939496932	BIHER	Student
23.	Aamir Hussain	7006166158	BIHER	Student
24.	Kanaga Priya	9791633561	BIHER	Student
25.	Vanga Rupesh Kumar	6593850459	BIHER	Student
26.	S.Meenakshi	9843722882	BIHER	Student
27.	G Nithishkumar	7358287314	BIHER	Student
28.	Kadali Chandana	7981560405	BIHER	Student
29.	Supratik Nandi	8617597798	BIHER	Student
30.	Sanjanaah Shree	8012227777	BIHER	Student



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

31.	Lisweena. K	9390552214	BIHER	Student
32.	Ch.Praneetha	7550266348	BIHER	Student
33.	Surasani Sudharshan	9514460028	BIHER	Student
34.	Suresh	8695579984	BIHER	Student
35.	Thangjam	9940188390	BIHER	Student
36.	Vijayalakshmi	9789733297	BIHER	Student
37.	Vijay Varunaeswaran	9944991156	BIHER	Student
38.	Ambati Anitha	7358459989	BIHER	Student
39.	K.Swathi	9789066133	BIHER	Student
40.	Karthika	7397459550	BIHER	Student
41.	Mathrapu	9493209498	BIHER	Student
42.	S.John Petter	8823061103	BIHER	Student
43.	Aamir Hussain	7006166158	BIHER	Student
44.	Kanaga Priya	9791633561	BIHER	Student
45.	Debabrata Bandyopadhyay	7478396760	BIHER	Student
46.	Ajitha	9500135956	BIHER	Student
47.	Gajji Sai Mounik	8019390487	BIHER	Student
48.	Dhanavath	9441437815	BIHER	Student
49.	Vamsi	9908408302	BIHER	Student
50.	Gattamaneni	9849295382	BIHER	Student
51.	Rahul K	8056810956	BIHER	Student



## FEED BACK FROM THE PARTICIPANTS

S.no	Name of the participant	Contact no of the participants	How useful was The presentation?	Overall how you rate the webinar
1.	Abhijith	7907169871	Excellent	5
2.	Abinaya	7868953254	Good	5
3.	Ambati Sneha Sree	9010235132	Good	4
4.	Anagha	9790915107	Excellent	5
5.	Aneesa	9086788141	Excellent	4
6.	Aravindhyan	9345304262	Good	4
7.	A.Raabiya Shareef	7358729645	Good	4
8.	Besia	9447426561	Good	4
9.	B. Sheeba Alexia	9962465772	Excellent	5
10.	Sai Kumar K	8072174863	Excellent	5
11.	Surasani Sudharshan	9514460028	Excellent	5
12.	Anjana	8681846606	Excellent	5
13.	Afreen Banu.A	9952088995	Good	3
14.	Bysani Anjani Umesh	9989982243	Excellent	5
15.	V. Varatharajan	8610445285	Excellent	5
16.	Ajith Kumar	9443424086	Excellent	5
17.	Monisha	9841424537	Excellent	5
18.	Devasneha	9176990679	Good	4
19.	S.R.Manju Sri	6380717136	Excellent	5
20.	K.Arun	9865237425	Good	5
21.	Gopalakrishnan	9994255890	Good	4
22.	Rambalaji	8939496932	Excellent	5



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

23.	Aamir Hussain	7006166158	Excellent	5
24.	Kanaga Priya	9791633561	Good	4
25.	Vanga Rupesh Kumar	6593850459	Good	5
26.	S.Meenakshi	9843722882	Excellent	5
27.	G Nithishkumar	7358287314	Excellent	5
28.	Kadali Chandana	7981560405	Good	4
29.	Supratik Nandi	8617597798	Excellent	5
30.	Sanjanaah Shree	8012227777	Excellent	5
31.	Lisweena. K	9390552214	Good	5
32.	Ch.Praneetha	7550266348	Excellent	5
33.	Surasani Sudharshan	9514460028	Excellent	5
34.	Suresh	8695579984	Excellent	5
35.	Thangjam	9940188390	Good	4
36.	Vijayalakshmi	9789733297	Excellent	5
37.	Vijay Varunaeswaran	9944991156	Excellent	5
38.	Ambati Anitha	7358459989	Excellent	5
39.	K.Swathi	9789066133	Good	2
40.	Karthika	7397459550	Excellent	5
41.	Mathrapu	9493209498	Good	4
42.	S.John Petter	8823061103	Excellent	5
43.	Aamir Hussain	7006166158	Excellent	5
44.	Kanaga Priya	9791633561	Excellent	5
45.	Debabrata Bandyopadhyay	7478396760	Excellent	5
46.	Ajitha	9500135956	Excellent	5
47.	Gajji Sai Mounik	8019390487	Excellent	5



# Bharath

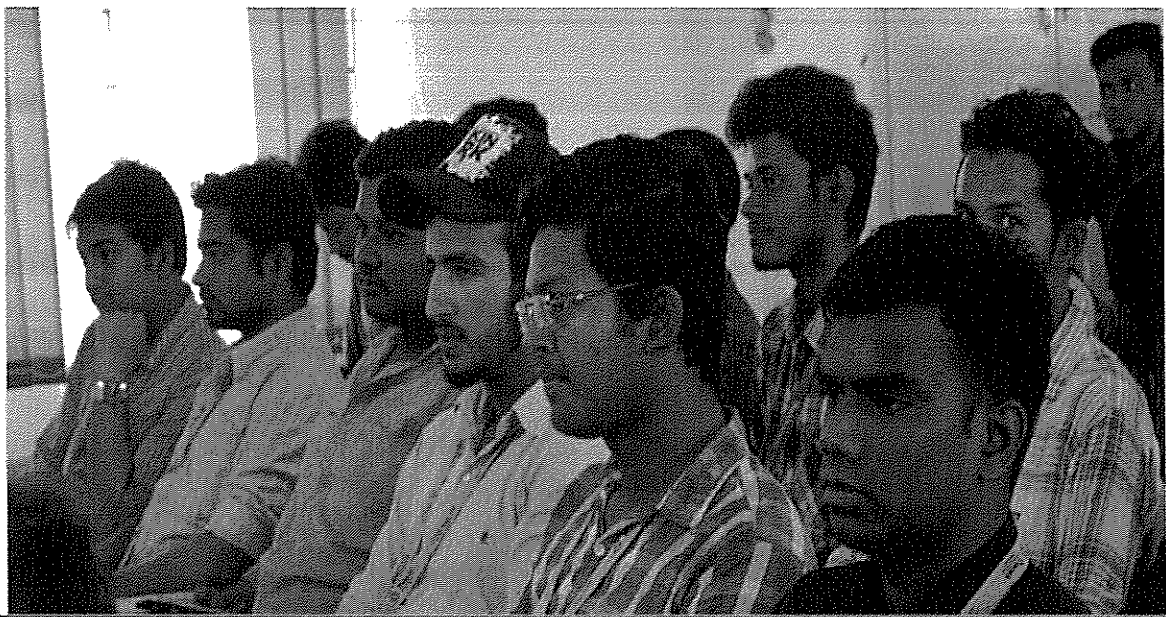
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

48.	Dhanavath	9441437815	Excellent	5
49.	Vamsi	9908408302	Excellent	5
50.	Gattamaneni	9849295382	Excellent	5
51.	Rahul K	8056810956	Excellent	5



**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

### SNAP SHOTS



Technical seminar on “Recent Trends on Biomedical Instrumentation”  
Department of Biomedical Engineering



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)





# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

## CERTIFICATE

