



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	19/02/2018
Type of Documents	Workshop
Description	Workshop on Biosensors using LABVIEW
Enclosures	a) CIRCULAR
	b) PERMISSION LETTER
	c) INVITATION
	d) LIST OF PARTICIPANTS
	e) FEEDBACK FROM THE PARTICIPANTS
	f) SNAPSHOTS
	g) CERTIFICATE
No. of Pages	20
Submitted By	Name : Dr. R. VASUKI
	Designation : Professor & HOD / BEM
	Department : Biomedical Engineering
	Signature :

For Office Use Only

Verified By:	K. Sakthivel	Sign:		Date:	19/2/18
Uploaded By:	K. S. Senthil Kumar	Sign:		Date:	19/2/18
File Name:	SBE - BME - WORK - 2017 - 2018 - 02				



Director
IQAC - BIHER



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

CIRCULAR

SCHOOL OF BIOENGINEERING

Date: 01.02.2018

The Workshop on “Workshop On Biosensors Using Labview” is planned by the School of Bio Engineering on 13.02.2018.

This Workshop 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 13.02.2018. In this regard, students are instructed to give their willingness and confirm their participation to their respective class in charge / Webinar Coordinator before 11.02.2018

HOD/BME

Contact:

Mr. Sundar Raj

Assistant Professor / School of Bio Engineering

Workshop Coordinator

Bharath Institute of Higher Education & Research

Phone No: 9941274443

Email id:

Copy to
Department of Biomedical Engineering
Notice Board/ Department of Biomedical Engineering



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Ref: BIHER/BIST/BME/Spl/2018

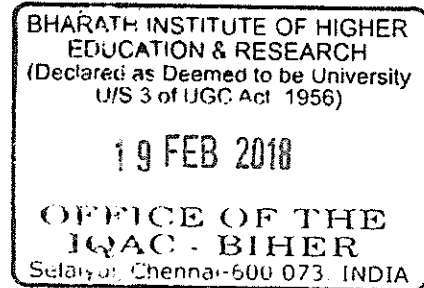
Date: 04.02.2018

PERMISSION LETTER

From

Mr. Sundar Raj
Assistant Professor
Department of Biomedical Engineering
BIHER

To
The HOD
Department of Biomedical Engineering
BIHER



Respected Sir

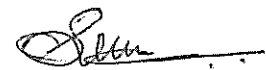
Sub – BME –Proposed to conduct online International Web Conference on “**Workshop On Biosensors Using Labview**” on 13.02.2018–Permission Requested -Reg

I wish to inform you that, it is proposed to conduct the Workshop with the Resource Person, Mr. Kush Tripathi who is currently working as Project Associate IISc Bangalore in the topic “**Workshop On Biosensors Using Labview**” on 13.02.2018.

The Conference will improve the students Knowledge in Medical Imaging Field. The Students of UG from School of Bio Engineering and Alumni can participate in this webinar.

Kindly Permit to conduct the above webinar to be conducted on 13.02.2018

Thanking You,


Mr. Sundar Raj
Assistant Professor



Bharath

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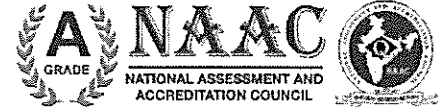
SCHOOL OF BIO ENGINEERING

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

DEPARTMENT OF BIOMEDICAL ENGINEERING

Ref: BIHER/BIST/BME/Spl/2018

Date: 3/02/2018



PERMISSION LETTER

From

The HOD

Department of Biomedical Engineering,

BIHER

To

Mr. Kush Tripathi

Project Associate

IISc Bangalore

Respected Mam

Sub – BIHER–BME–Proposed to conduct online International Web Conference in “**Workshop On Biosensors Using Labview**” –Permission Requested to organize the Workshop on 13.02.2018-Reg

In continuation of Telephonic conversation had on 4.03.2018, it is requested to organize the “**Workshop On Biosensors Using Labview**” on 13.02.2018

Kindly accept our request and do the needful.

Thanking you.

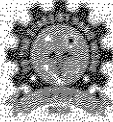
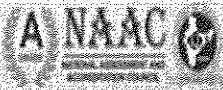
Dr. R. Vasuki

HOD

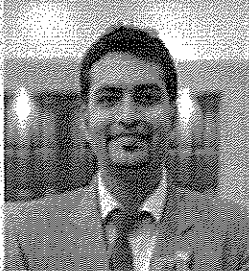
ACADEMIC YEAR 2017 - 2018

WORKSHOP– FEBRURARY 2018

INVITATION

 **Bharath** 
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
Established by Government of Karnataka - University order number 3 of 1984 Act 1984

*The Management, Staff and Student of Biomedical Engineering Department
Solicit your esteemed presence for the
Workshop
On
BIOSENSORS USING LABVIEW
By*



Mr. Kush Tripathi
Project Associate
IISc Bangalore

Time : 11.00 am Date: 13th Feb 2018

Mr. Sundar Raj
CO-ORDINATOR

Dr. R. Vasuki
CONVENER

VENUE: BME DEPARTMENT

ALL ARE E-WELCOME

OBJECTIVE

The term “biosensor” is short for “biological sensor.” The device is made up of a transducer and a biological element that may be an enzyme, an antibody or a nucleic acid. The bioelement interacts with the analyte being tested and the biological response is converted into an electrical signal by the transducer. Depending on their particular application, biosensors are also known as immunosensors, optrodes, resonant mirrors, chemical canaries, biochips, glucometers and biocomputers. A commonly cited definition of a biosensor is:

“A chemical sensing device in which a biologically derived recognition is coupled to a transducer, to allow the quantitative development of some complex biochemical parameter.

A variety of substances may be used as the bioelement in a biosensor. Examples of these include:

- Nucleic acids
- Proteins including enzymes and antibodies. Antibody-based biosensors are also called immunosensors.
- Plant proteins or lectins
- Complex materials like tissue slices, microorganisms and organelles

The signal generated when the sensor interacts with the analyte may be electrical, optical or thermal. It is then converted by means of a suitable transducer into a measurable electrical parameter – usually a current or voltage.

LabVIEW is a visual programming language: it is a system-design platform and development environment that was aimed at enabling all forms of system to be developed.

LabVIEW was developed by National Instruments as a workbench for controlling test instrumentation. However its applications have spread well beyond just test instrumentation to the whole field of system design and operation. LabVIEW provides a powerful platform for undertaking a wide variety of different applications. It started as an environment for managing test programming, but since its inception, the applications for which it can be used have considerably expanded. It has expanded from being a graphical test management language to become a graphical system design environment.

This means that it can be used for an enormous variety of interesting and diverse applications. Not only can it be used for equipment control (including the control of the large Hadron Collider at CERN) and a variety of data acquisition applications (including car development simulation where Big Data monitoring is undertaken) to the system design arena where it has been used for development of projects from RF circuitry to biomedical equipment, green technology and much more.

TIME SCHEDULE FOR WEBINAR

S.No	Date	Time	Title	Resource Person
1	13.02.2018	11.00 – 12.00 am	Workshop On Biosensors Using Labview	Mr. Kush Tripathi Project Associate IISc Bangalore

SPEAKER PROFILE



Name of Resource Person: Mr. Kush Tripathi

Project Associate

IISc Bangalore

- ❖ Studied Studies PhD in Biomedical devices and Technology at Indian Institute of Technology Madras
- ❖ Studied Nanoscience at IISc Bangalore
- ❖ Pursued B.Tech Biomedical engineering at SCTIMST, Trivandrum

NOTABLE CREDITS

- ❖ Worked as Former Area Director at District 82 Toastmasters
- ❖ Founder and Editor at BIOMEDIKAL.IN

LIST OF PARTICIPANTS

S.No	Name	Phone No	Institution	Designation
1	Sudhanraj J	9832115770	Bharath institute of Higher Education and Research	Student
2	Keerthana N	9600224228	Bharath institute of Higher Education and Research	Student
3	Raabiya Shareef A	8367762484	Bharath institute of Higher Education and Research	Student
4	Karthika S	7893724513	Bharath institute of Higher Education and Research	Student
5	Suprava Paul	7032199760	Bharath institute of Higher Education and Research	Student
6	Kartic S	9445643257	Bharath institute of Higher Education and Research	Student
7	Divine Winfred W	9444642646	Bharath institute of Higher Education and Research	Student
8	Sorakayapeta R Manjusri	7695045885	Bharath institute of Higher Education and Research	Student
9	Jeevaraj S	9908787350	Bharath institute of Higher Education and Research	Student
10	B Karthikeyan	9647763859	Bharath institute of Higher Education and Research	Student
11	V Varatharajan	8179014884	Bharath institute of Higher Education and Research	Student
12	Vinodhini S	8919622642	Bharath institute of Higher Education and Research	Student
13	Naveen Kumar M	8179014884	Bharath institute of Higher Education and Research	Student

14	Dinesh Kumar R	7358425580	Bharath institute of Higher Education and Research	Student
15	Mathankumar G K	9884583220	Bharath institute of Higher Education and Research	Student
16	Ignatius Arun Sinjin G	9500392232	Bharath institute of Higher Education and Research	Student
17	Debabrata Bandyopadhyay	8639650606	Bharath institute of Higher Education and Research	Student
18	Supratik Nandi	9133115164	Bharath institute of Higher Education and Research	Student
19	Kalyaneswar Mishra	09160096408	Bharath institute of Higher Education and Research	Student
20	Dhayanithi J	9133115164	Bharath institute of Higher Education and Research	Student
21	Akash Kumar T	9962921500	Bharath institute of Higher Education and Research	Student
22	Nithishkumar G	08977765537	Bharath institute of Higher Education and Research	Student
23	Lokesh V	9551351020	Bharath institute of Higher Education and Research	Student
24	Afreen Banu A	7036684266	Bharath institute of Higher Education and Research	Student
25	Bharkavi M S	7478460015	Bharath institute of Higher Education and Research	Student
26	Sheeba Alexia B	9515040983	Bharath institute of Higher Education and Research	Student
27	Jeeva G	9176669947	Bharath institute of Higher Education and Research	Student
28	Swedha S	9500102009	Bharath institute of Higher Education and	Student

			Research	
29	Loka Ranjani E	9840261276	Bharath institute of Higher Education and Research	Student
30	Pooja B	9121645008	Bharath institute of Higher Education and Research	Student
31	Varsha M	6383116781	Bharath institute of Higher Education and Research	Student
32	Avula Arun Kumar	9550534269	Bharath institute of Higher Education and Research	Student
33	Lokesh M	9182197104	Bharath institute of Higher Education and Research	Student
34	Medivemulla Chenna Reddy	7759068308	Bharath institute of Higher Education and Research	Student
35	Shivani P	08978595397	Bharath institute of Higher Education and Research	Student
36	Poojaa J V	9154820669	Bharath institute of Higher Education and Research	Student
37	S Chandra Vardhan Reddy	9500069443	Bharath institute of Higher Education and Research	Student
38	Kottinti Swati	9381152624	Bharath institute of Higher Education and Research	Student
39	Puli Revanth Babu	7085526749	Bharath institute of Higher Education and Research	Student
40	Prashanth M	8074735020	Bharath institute of Higher Education and Research	Student
41	Jebin J	7075943241	Bharath institute of Higher Education and Research	Student
42	Toshitta T	9003212654	Bharath institute of Higher Education and Research	Student
43	Muthukalyani K	9840184553	Bharath institute of	Student

			Higher Education and Research	
44	Kambam Keerthi Rao	9840261276	Bharath institute of Higher Education and Research	Student
45	Ajay Ragul	9840184553	Bharath institute of Higher Education and Research	Student
46	Siddhanandh M	8555821203	Bharath institute of Higher Education and Research	Student
47	Madhav P	9361893715	Bharath institute of Higher Education and Research	Student
48	Nunna Saiprasad Rao	9908816493	Bharath institute of Higher Education and Research	Student
49	Raavi Anusha	9443481752	Bharath institute of Higher Education and Research	Student
50	Arasada Neeharika	9010579593	Bharath institute of Higher Education and Research	Student
51	Madasu M Sri Lakshmi Sirisha	9445311861	Bharath institute of Higher Education and Research	Student
52	Pilla Tulasi Durga	8220964696	Bharath institute of Higher Education and Research	Student
53	Kusampudi Likhita Supraja	7358322324	Bharath institute of Higher Education and Research	Student
54	S John Petter	7449188598	Bharath institute of Higher Education and Research	Student
55	Rajalaxmi Mallick	9841677556	Bharath institute of Higher Education and Research	Student
56	Shaik Afnan Ali	9600118859	Bharath institute of Higher Education and Research	Student
57	Rajulapati Bhargavi	7759068308	Bharath institute of Higher Education and Research	Student

58	Duddela Bharathi	9834586916	Bharath institute of Higher Education and Research	Student
59	Rayala Pavan	7824018201	Bharath institute of Higher Education and Research	Student
60	Jerin Judery D S	9121645008	Bharath institute of Higher Education and Research	Student
61	Ambati Anitha	9445104346	Bharath institute of Higher Education and Research	Student
62	Abhijith T Unnikrishnan	8787314326	Bharath institute of Higher Education and Research	Student
63	Abinaya K	7095164519	Bharath institute of Higher Education and Research	Student
64	Ambati Sneha Sree	9133115164	Bharath institute of Higher Education and Research	Student
65	Anagha B	7358038733	Bharath institute of Higher Education and Research	Student
66	Aneesa Jan	9133115164	Bharath institute of Higher Education and Research	Student
67	Aravindhan A	7358038733	Bharath institute of Higher Education and Research	Student
68	Balasubramanian S	9551444549	Bharath institute of Higher Education and Research	Student
69	Besia Baby	9002155756	Bharath institute of Higher Education and Research	Faculty
70	Bhaskar Ray	7717782944	Bharath institute of Higher Education and Research	Student
71	Dandigunta Sri Vaishavi	9514461188	Bharath institute of Higher Education and Research	Student
72	Denallenni E	9618962717	Bharath institute of Higher Education and	Student

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73	Divya Bharathi R	9676679514	Bharath institute of Higher Education and Research	Student
74	Faizal Ahmed S	6301098902	Bharath institute of Higher Education and Research	Student
75	Fathima Farsana M	7730957251	Bharath institute of Higher Education and Research	Student
76	Gangapalli Sruthi	6301098902	Bharath institute of Higher Education and Research	Student
77	Gayathri E.K	7989208217	Bharath institute of Higher Education and Research	Student
78	Gilead Lilly R	9366082771	Bharath institute of Higher Education and Research	Student
79	Jagarlamudi Mohan Sai Durga Prasad	9840261276	Bharath institute of Higher Education and Research	Student
80	Javvadi Sai Rishita	6382058388	Bharath institute of Higher Education and Research	Student
81	Jayasri B	9994140410	Bharath institute of Higher Education and Research	Faculty
82	Jesna S	9612071692	Bharath institute of Higher Education and Research	Student
83	Karthika R	9701231408	Bharath institute of Higher Education and Research	Faculty
84	Kodavaluru Sai Rachana	8794379071	Bharath institute of Higher Education and Research	Student
85	Koshik S	9884967300	Bharath institute of Higher Education and Research	Student
86	Linda Sapam	07729892421	Bharath institute of Higher Education and Research	Student
87	Mahalakshmi S	9962921500	Bharath institute of	Faculty

			Higher Education and Research	
88	Manne Akhila	09908381635	Bharath institute of Higher Education and Research	Student
89	Mogaparthi Niharika	9848477202	Bharath institute of Higher Education and Research	Student
90	Mohamed Abzel A	9003182725	Bharath institute of Higher Education and Research	Student
91	Mohamed Suhail Z	9366129398	Bharath institute of Higher Education and Research	Student
92	Monisri V	7550250682	Bharath institute of Higher Education and Research	Student
93	Muchakayala Harsha Vardhan	7999935872	Bharath institute of Higher Education and Research	Student
94	Muruganandham S	9791898730	Bharath institute of Higher Education and Research	Student
95	N Nivetha	9618890449	Bharath institute of Higher Education and Research	Faculty
96	Nandhini T	9701313815	Bharath institute of Higher Education and Research	Faculty
97	Nandyla Srigiri Amani	8555821203	Bharath institute of Higher Education and Research	Student
98	Neelagiri Kiranmai	8220964696	Bharath institute of Higher Education and Research	Student
99	Nijamudeen S	7358322324	Bharath institute of Higher Education and Research	Student
100	Prabharajakumari P	7449188598	Bharath institute of Higher Education and Research	Faculty
101	Pradeep Kumar P	9841677556	Bharath institute of Higher Education and Research	Faculty

102	Rajkumar P	9600118859	Bharath institute of Higher Education and Research	Student
103	Reshma A B	7759068308	Bharath institute of Higher Education and Research	Student
104	Riya Kumari Kerketta	9908381635	Bharath institute of Higher Education and Research	Student
105	Rupesh Kumar S	9003182725	SRM University	Student
106	Sarabu Sukanya	7550250682	SRM University	Student
107	Sathishkumar N	9791898730	SRM University	Student
108	Shaik Riyaz	9941274443	SRM University	Student
109	Shailendra Kumar Ray	8919071306	Bharath institute of Higher Education and Research	Student
110	Sharmila A M	9010579593	Bharath institute of Higher Education and Research	Faculty
111	Shruthi Sajiv	8220964696	Bharath institute of Higher Education and Research	Student
112	Shuvam Chakraborty	9381541597	Bharath institute of Higher Education and Research	Student
113	Sowmiya R	7449188598	Bharath institute of Higher Education and Research	Faculty
114	Srinivas R	9600118859	Bharath institute of Higher Education and Research	Faculty
115	Surasani Sudharshan Reddy	9445104346	Bharath institute of Higher Education and Research	Student
116	Suresh G	7095164519	Alpha College of Engineering	Student
117	Thangjam Priyalakshmi	7358038733	Alpha College of Engineering	Student
118	Vijayalakshmi A	7358038733	Alpha College of Engineering	Student
119	Vijay Varunaeswaran C	8185909250	Alpha College of Engineering	Student
120	Rahmathnisha A	9945872364	Alpha College of Engineering	Student

121	Anjana R	8122814484	Alpha College of Engineering	Student
122	Udarapu Deva Sai	9080374474	Alpha College of Engineering	Student
123	Karthika M	9502045450	Alpha College of Engineering	Student
124	Mathrapu Karthika	9676679514	Saveetha College of engineering and technology	Student
125	Priyali Jha	6301098902	Saveetha College of engineering and technology	Student
126	Alamuri Susmitha	6301098902	Saveetha College of engineering and technology	Student
127	S.Rambalaji	9366082771	Saveetha College of engineering and technology	Student
128	Aamir Hussain Bhat	6382058388	Saveetha College of engineering and technology	Student
129	K Kanaga Priya	9612071692	Saveetha College of engineering and technology	Student
130	Vanga Rupesh Kumar	8794379071	Saveetha College of engineering and technology	Student
131	Kornepati Prem Kumar Koti	07729892421	Saveetha College of engineering and technology	Student
132	Vanga Rana Prathap	07729892421	Saveetha College of engineering and technology	Student
133	Vijayalakshmi A	7766055761	Saveetha College of engineering and technology	Student

FEED BACK FROM THE PARTICIPANTS

S.No	Name of the participant	Phone No	How useful was the presentation?	Overall how you rate the webinar?
1	Sudhanraj J	9832115770	Good	4
2	Keerthana N	9600224228	Good	5
3	Raabiya Shareef A	8367762484	Excellent	4
4	Karthika S	7893724513	Good	4
5	Suprava Paul	7032199760	Good	5
6	Kartic S	9445643257	Good	4
7	Divine Winfred W	9444642646	Good	5
8	Sorakayapeta R Manjusri	7695045885	Excellent	5
9	Jeevaraj S	9908787350	Excellent	5
10	B Karthikeyan	9647763859	Good	5
11	V Varatharajan	8179014884	Good	5
12	Vinodhini S	8919622642	Excellent	4
13	Naveen Kumar M	8179014884	Excellent	4
14	Dinesh Kumar R	7358425580	Excellent	3
15	Mathankumar G K	9884583220	Good	5
16	Ignatius Arun Sinjin G	9500392232	Good	3
17	Debabrata Bandyopadhyay	8639650606	Excellent	4
18	Supratik Nandi	9133115164	Excellent	4
19	Kalyaneswar Mishra	09160096408	Good	5
20	Dhayanithi J	9133115164	Good	4
21	Akash Kumar T	9962921500	Excellent	4
22	Nithishkumar G	08977765537	Excellent	4
23	Lokesh V	9551351020	Excellent	5
24	Afreen Banu A	7036684266	Good	4
25	Bharkavi M S	7478460015	Good	4
26	Sheeba Alexia B	9515040983	Excellent	5
27	Jeeva G	9176669947	Excellent	3
28	Swedha S	9500102009	Excellent	4
29	Loka Ranjani E	9840261276	Good	4
30	Pooja B	9121645008	Good	4
31	Varsha M	6383116781	Good	5
32	Avula Arun Kumar	9550534269	Good	5
33	Lokesh M	9182197104	Good	5
34	Medivemulla Chenna Reddy	7759068308	Very Good	4
35	Shivani P	08978595397	Good	5
				4
36	Poojaa J V	9154820669	Excellent	5







37	S Chandra Vardhan Reddy	9500069443	Very Good	4
38	Kottinti Swati	9381152624	Excellent	4
39	Puli Revanth Babu	7085526749	Excellent	5
40	Prashanth M	8074735020	Excellent	5
41	Jebin J	7075943241	Excellent	4
42	Toshitta T	9003212654	Excellent	4
43	Muthukalyani K	9840184553	Excellent	5
44	Kambam Keerthi Rao	9840261276	Excellent	4
45	Ajay Ragul	9840184553	Excellent	5
46	Siddhanandh M	8555821203	Excellent	5
47	Madhav P	9361893715	Excellent	5
48	Nunna Saiprasad Rao	9908816493	Excellent	4
49	Raavi Anusha	9443481752	Very Good	4
50	Arasada Neeharika	9010579593	Excellent	4
51	Madasu M Sri Lakshmi Sirisha	9445311861	Excellent	5
52	Pilla Tulasi Durga	8220964696	Good	4
53	Kusampudi Likhita Supraja	7358322324	Very Good	4
54	S John Petter	7449188598	Good	
55	Rajalaxmi Mallick	9841677556	Good	4
56	Shaik Afnan Ali	9600118859	Excellent	4
57	Rajulapati Bhargavi	7759068308	Very Good	5
58	Duddela Bharathi	9834586916	Very Good	5
59	Rayala Pavan	7824018201	Good	5
60	Jerin Judery D S	9121645008	Good	5
61	Ambati Anitha	9445104346	Good	5
62	Abhijith T Unnikrishnan	8787314326	Excellent	4
63	Abinaya K	7095164519	Very Good	4
64	Ambati Sneha Sree	9133115164	Good	5
65	Anagha B	7358038733	Good	4
66	Aneesa Jan	9133115164	Very Good	4
67	Aravindhan A	7358038733	Good	4
68	Balasubramanian S	9551444549	Good	4
69	Besia Baby	9002155756	Excellent	5

SNAP SHOTS





CERTIFICATE

	<h1>Bhavathi</h1> <p>INSTITUTE OF HIGHER EDUCATION AND RESEARCH (Deemed as Deemed - to - be - University under section 3 of UGC Act 1956)</p>		<h1>NAAC</h1> <p>A</p>	
DEPARTMENT OF BIOMEDICAL ENGINEERING				
Certificate of participation				
This is to certify that Dr. Ms. Ms. <u>Ms. Niveetha</u> of <u>Bhavathi Institute of Higher Education & Research</u> has participated in "Workshop of Biosensors Using LABVIEW" held on 13th February 2018, Organized by the Department of Biomedical Engineering, BIST, BIHER, Chennai - 73				
 Organiser	 HOD BME	 Dean Engineering		