



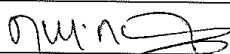
Bharath Institute of Higher Education and Research

[Declared Under Section 3 of UGC Act, 1956]

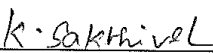

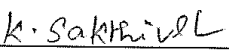

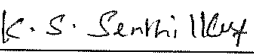

Chennai – 600 073

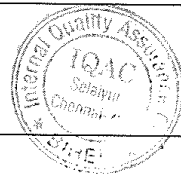
INTERNAL QUALITY ASSURANCE CELL (IQAC)

DOCUMENTS SUBMISSION FORM

| | |
|--------------------|--|
| Date of Submission | 25.04.2018 |
| Type of Documents | Workshop |
| Description | Workshop on Brainwave Controlled Robotics |
| Enclosures | a) Circular |
| | b) Requisition Letter |
| | c) Brochure |
| | d) Registration |
| | e) Photos |
| | f) Certificate |
| | g) Feedback Form |
| No. of Pages | |
| Submitted By | Name : Dr.P.Sengottuvel |
| | Designation : HoD |
| | Department : Department of Mechatronics |
| | Signature :  |

For Office Use Only

| | | | |
|--------------|---|--|---------------|
| Received By: |  | Sign:  | Date: 25/4/18 |
| Verified By: |  | Sign:  | Date: 25/4/18 |
| Uploaded By: |  | Sign:  | Date: 25/4/18 |
| File Name: | | | |




Coordinator
IQAC - BIHER



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)

Phone : 044-22290742 / 22290125 . Telefax : 044-22293886
Website : www.bharathuniv.ac.in

173, Agaram Road, Selaiyur, Tambaram,
Chennai - 600 073. Tamil Nadu.



Ref: BIHER/BIST/MT/Event/2017/03

Date: 17.04.2018

CIRCULAR

The Workshop on “Brainwave Controlled Robotics” is planned by the School of Mechanical 20.04.2018

This workshop programme is offered by Department of Mechatronics. Bharath Institute of Higher Education and Research, with the duration of Two days (Two days and commences on 20.04.2018 to 21.04.2018. In this regard, students are instructed to give their willingness and confirm their participation to their participation to their respective class Incharge / workshop Coordinator before 20.04.2018

Contact:

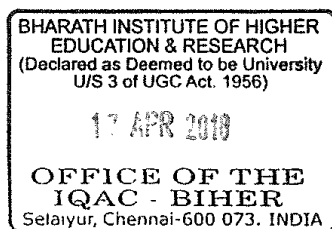
Dr. P. SENGOTTUVEL

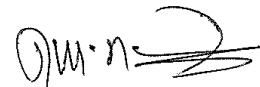
Professor/School of Mechanical Engineering

Workshop Coordinator

Bharath Institute of Higher Education and Research

Email Id: dr.p.sengottuvel@gmail.com




HoD/Mechatronics



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REQUISITION LETTER

16.04.2018

FROM

The HOD
Department of Mechatronics
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 Workshop reg.

The school of Mechanical sciences had planned to conduct a 2 -day Workshop on the topic **“Brainwave Controlled Robotics”** dated from 20.04.2018 to 21.04.2018. In this regard, I request you to kindly grant permission for conducting the same.

Thanking You


HOD


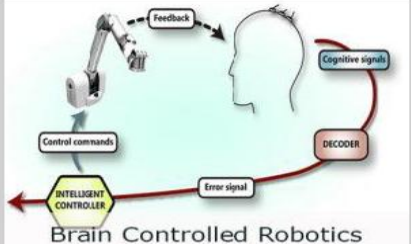

Dean Engineering

Bharath Institute of Higher Education and Research

Department of Mechatronics

Brochure

| | | |
|---|---|--|
| <p style="text-align: center;">TWO DAYS WORKSHOP ON Brain wave Controlled Robotics</p> <p style="text-align: center;">20.04.2018 – 21.04.2018</p>  <p style="text-align: center;">[Photocopies of the registration form may also be used for additional registration]</p> | <p>Chief Patron Dr. S.JAGATHRAKSHAKAN,M.P, Founder/ Chairman</p> <p>Patrons Dr. SUNDEEP ANAND, President – BIHER</p> <p>Dr. SWETHA SUNDEEP ANAND, MD-BIHER</p> <p>Dr. P. SENGOTTUVEL, HoD/ Convener Department of Mechatronics</p> <p>Importance Dates Last Date of registration: -12.03.2018 Confirmation of Acceptance: 16.03.2018</p> <p>Address for Correspondence DR. P. SENGOTTUVEL / Mechatronics Mobile: 9846367452 Email-Id: hod_mechatronics@bharathuniv.ac.in</p> <p>Registration Link: https://forms.gle/UCOnXLKio824EDF7</p> |  <p style="text-align: center;">Bharath INSTITUTE OF HIGHER EDUCATION AND RESEARCH (Declared as Deemed- to- be- University under section 3 of USC Act 1956) ACCREDITED WITH 'A' GRADE BY NAAC</p> <p style="text-align: center;">Two Days Workshop On</p> <p style="text-align: center;">Workshop on Brain wave Controlled Robotics</p> <p style="text-align: center;">20.04.2018 – 21.04.2018</p> <p style="text-align: center;">Organized by</p> <p style="text-align: center;">Department of Mechatronics School of Mechanical Engineering BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY CHENNAI -600073</p> |
|---|---|--|

| | | |
|---|--|--|
| <p>ABOUT THE COLLEGE</p> <p>Bharath Institute of Science and Technology (BIST) started with Sri Lakshmi Ammal Educational Trust as the first self-financing Engineering College in Tamil Nadu in 1984 by Dr. S. Jagathrakshakan. Bharath Institute of Higher Education and Research (BIHER) is providing multi-stream, multi-cultural and high-quality education to nearly 10000 students from all around the world. It is functioning in a sprawling area of 603 acres of land with 1.3 crore sq.ft buildings located in six Campuses both in Tamil Nadu and Puducherry, equipped with the state of the art infrastructure facilities. Teaching Faculty members are well-qualified and have vast experience in research to teach and supervise various UG and PG programmes.</p> <p>ABOUT THE DEPARTMENT</p> <p>Mechatronics Department was then further established in the year of 2008. The department offers a four year undergraduate Full Time and Part time course in B.Tech – Mechatronics. The courses are supported with a well-developed curriculum and syllabus to meet contemporary industrial needs and equip the students to meet future demands. Mechatronics is a multidisciplinary field that combines several types of engineering electrical, computer, and mechanical and refers to the skill sets needed in the contemporary, advanced automated manufacturing industry. At the intersection of mechanics, electronics, and computing, mechatronics specialists create simpler, smarter systems. Mechatronics is an essential foundation for the expected growth in automation and manufacturing.</p> | <p>THE OBJECTIVE</p> <p>The workshop aims to introduce the user about Brain ware Controlled Robotics. The participants unveil the concepts of Brain ware Controlled Robotics and can able to fabricate in real time. The workshop will cover Brain ware Controlled programming and Robotic interpolation in detail so as to explore ability in making real time automation with robots for various applications.</p> <p>This Workshop Focuses on the Following Areas</p> <p>Day: 1</p> <ul style="list-style-type: none"> Introduction to microcontrollers and AVR architecture Arduino programming and GPIO configurations Robot assembly <p>Day: 2</p> <ul style="list-style-type: none"> Introduction to Brainwaves Decoding analog brainwaves into electrical signals Brainwave Starter Kit <p>Eligibility: Faculty Members, Research scholars and PG students.</p> <p>RESOURCE PERSON:</p> <ul style="list-style-type: none"> Dr. A.Davidson Jebaseelan, VIT University., Chennai Mr.Madavan mathivanan., MathTechnology, Chennai |   <p style="text-align: center;">Brain Controlled Robotics</p> |
|---|--|--|

Bharath Institute of Higher Education and Research

Department of Mechatronics

List of Participation

| S.No | Name | College |
|------|-------------------------------|--|
| 1 | Padiri Jagapathi | Sri Krishna College of Engineering and Technology |
| 2 | Jagadeesh Kumar P | Hindustan College Of Engineering And Technology |
| 3 | Manikandan | Chennai Institute of Technology |
| 4 | Yogesh | Chennai Institute of Technology |
| 5 | Hariharan E | SRM College of Engineering and Technology |
| 6 | Praveen | BIHER |
| 7 | Gopala Krishna Mohan Rao.J | Bharath Institute of Higher Education and Research |
| 8 | Sagar Amirdharaj | Agni College of Technology |
| 9 | S.R.Sudakar | Chennai Institute of Technology |
| 10 | Hari Prasanth | Coimbatore Institute of Technology |
| 11 | Mohammed Juzer | Bharath Institute of Higher Education and Research |
| 12 | Sanjay C | Bharath Institute of Higher Education and Research |
| 13 | Bala Murugan | Bharath Institute of Higher Education and Research |
| 14 | Vasanthradevi.R | Bharath Institute of Higher Education and Research |
| 15 | Rethick | Kongu Engineering College |
| 16 | Gokul T | Bharath Institute of Higher Education and Research |
| 17 | K.Nandhakumar | Jeppiaar Engineering College |
| 18 | Maruthai S | Bharath Institute of Higher Education and Research |
| 19 | Dineshkumar A | Bharath Institute of Higher Education and Research |
| 20 | Prakash Raj S | Agni College of Technology |
| 21 | Lakkireddy Pavan Kalyan Reddy | Bharath Institute of Higher Education and Research |
| 22 | Alex Anto | Bharath Institute of Higher Education and Research |
| 23 | Drishna Mythreyan Cs | Bharath Institute of Higher Education and Research |
| 24 | Mohamed Jumail | Bharath Institute of Higher Education and Research |
| 25 | Kannan.K | Bharath Institute of Higher Education and Research |
| 26 | Gokulakrishnan U | Bharath Institute of Higher Education and Research |
| 27 | Gokul Krishnan. A | Bharath Institute of Higher Education and Research |
| 28 | Madugula Balachandra | Bharath Institute of Higher Education and Research |
| 29 | Jaisingh Alan Jerome | Bharath Institute of Higher Education and Research |
| 30 | Surya | Bharath Institute of Higher Education and Research |
| 31 | Aravinth Raj V J | Bharath Institute of Higher Education and Research |
| 32 | D.V.N.R.Nirmal | Adhi College of Technology |
| 33 | Shalom_Morris_ | Bharath Institute of Higher Education and Research |
| 34 | Rohith Joseph .S | Bharath Institute of Higher Education and Research |
| 35 | Jagadeshwar S | Bharath Institute of Higher Education and Research |
| 36 | A. S. Sai Prasath | Bharath Institute of Higher Education and Research |
| 37 | Tamil Selvan A | Bharath Institute of Higher Education and Research |
| 38 | Immanuel | Bharath Institute of Higher Education and Research |
| 39 | K.Prathap Reddy | Bharath University |
| 40 | Dickson | Bharath university |
| 41 | Syed Afroz Fareed Ali | Chennai Institute of Technology |

| | | |
|----|--------------------|---|
| 42 | Ameen | Agni College of Technology |
| 43 | Jitender Surhar | Chennai Institute of Technology |
| 44 | M.Praveen Raj | Agni College of Technology |
| 45 | Natarajan | Agni College of Technology |
| 46 | Ashraf Ali A | Chennai Institute of Technology |
| 47 | Mohan Pirasath | SNS College of Technology |
| 48 | Mohudoom Naina | KPR Institute of Engineering and Technology |
| 49 | Selvamani S | Sri Krishna College of Engineering and Technology |
| 50 | Ravi Teja | SNS College of Technology |
| 51 | G. Rakkesh Aravind | KPR Institute of Engineering and Technology |

Photos



**Bharath Institute of Higher Education and Research
Department of Mechatronics
Certificate**

**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF MECHATRONICS**

CERTIFICATE OF PARTICIPATION

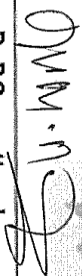
This is to certify that


Ravi Teja

SNS collage of Technology

had attended the 2 day Workshop on "Brainwave Controlled Robotics"
organized by the Department of Mechatronics- Bharath Institute of Higher Education and
Research, Chennai on April (20.21) 2018




Dr. P. Sengottuvel
Coordinator


Dr. P. Sengottuvel
HOD / Mechatronics



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Date: 21/04/2018

NAME : SURYA.S

College: Hindustan University

Name of the Programme: Workshop on "Brainwave Controlled Robotics"

Feedback Form

1. What is your opinion about the duration of this programme?
A- Short B- Adequate C- Long

2. Overall, how useful was this programme for you?
A-Very much B- To Some Extent C-Not useful

3. How would you rate the Teaching Qualities?
A- Very Good B- Good C-Average D-Poor
B-

4. How would you rate the Materials Presented?
 A- Very Good B- Good C-Average D-Poor

5. How much of knowledge you learned today?
A- A lot of it B-Satisfactory C- None of it

6. Did it fulfill your expectation?
A- Yes B-Some extent C- No

7. Planning of this Programme?
A- Excellent B-Very Good C- Good D- Satisfactory E-Poor

8. Any other Comment (if any):


PARTICIPANT SIGNATURE



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

Date: 21/04/2018

NAME : yogesh

College: Chennai Institute of Technology

Name of the Programme: Workshop on "Brainwave Controlled Robotics"

Feedback Form

- 1. What is your opinion about the duration of this programme?**
A- Short B- Adequate C- Long
- 2. Overall, how useful was this programme for you?**
A- Very much B- To Some Extent C- Not useful
- 3. How would you rate the Teaching Qualities?**
A- Very Good B- Good C- Average D- Poor
- 4. How would you rate the Materials Presented?**
A- Very Good B- Good C- Average D- Poor
- 5. How much of knowledge you learned today?**
A- A lot of it B- Satisfactory C- None of it
- 6. Did it fulfill your expectation?**
A- Yes B- Some extent C- No
- 7. Planning of this Programme?**
A- Excellent B- Very Good C- Good D- Satisfactory E- Poor
- 8. Any other Comment (if any):**

PARTICIPANT SIGNATURE