

# **TWO DAYS WORKSHOP ON “BRAIN COMPUTER INTERFACE (BCI) AND APPLICATIONS”**

**21<sup>st</sup> and 22<sup>nd</sup> September , 2017**

## **Coordinators**

**Dr. S.Shenbaga Devi, Professor  
Dr.N.Kumaravel, Professor-Emeritus  
Mrs.T.Jayasree, Assistant Professor**

## **Organized by**



**Centre for Medical Electronics  
Department of ECE. CEG  
Campus, Anna University  
Chennai-600 025.**

## **ABOUT ANNA UNIVERSITY**

Anna University was established on 4th September, 1978 as a unitary type of University. It provides higher education in Engineering, Technology and Allied Sciences significant to the current and expected needs of the society. It has an extensive link with Indian industries, national research laboratories, and international universities. This enables the university to continue with new development and emerging technologies.

## **ABOUT THE CENTRE**

Centre for Medical Electronics was established in the year 1998. Its main goal is to create and nurture qualified technical manpower towards academic excellence, research and development attitude and competence. The centre carries out research in the field of Medical Electronics and Bio Medical Engineering and also establishes collaboration with medical industries and hospitals. It is functioning with an aim of developing research and development activities in Medical Electronics and Bio Medical Engineering.

## **OBJECTIVE**

The objective of this workshop is to provide opportunity for Biomedical engineers, Researchers and Faculty members to enrich their knowledge in the area of Brain Computer Interface and its applications. This workshop will focus on the acquisition and analysis of biosignals suitable for Brain Computer Interface applications .

## **HIGHLIGHTS OF THE WORKSHOP**

Brain Computer Interface is an interdisciplinary field which develops computational and mathematical methods for analyzing the brain functions during specific activities of the brain. This helps in the collaboration or to establish communication between the brain function and an external device. The main goal of Brain computer interface is the acquisition of brain related signals and processing them for applications mainly in the field of rehabilitation. The workshop will provide brief insights on the following:

- BCI and the signals suitable for BCI
- Signal acquisition and pre processing
- Feature extraction techniques
- Pattern recognition and classification of the BCI signal for activation of external device
- BCI Applications and Case studies

## REGISTRATION FEE & DETAILS

### **CHIEF PATRON:**

**Dr.T.V.Geetha**  
**Dean of CEG and**  
**Member Convener Committee**

### **PATRON:**

**Dr.S.Ganesan**  
**Registrar**  
**Anna University**  
**Chennai-600 025**

### **CHAIR:**

**Dr.S.Muttan**  
**HOD, ECE, CEG**

### **CO-ORDINATORS:**

**Dr. S.Shenbaga Devi**  
**Professor and Director**  
**Center for Medical Electronics**

**Dr.N.Kumaravel**  
**Professor – Emeritus**  
**Dept. of ECE**

**Mrs.T.Jayasree**  
**Assistant Professor**  
**Dept. of ECE**

### **VENUE:**

**Mini Auditorium,**  
**Department of ECE,**  
**College of Engineering**  
**Guindy, Anna University,**  
**Chennai-600 025**

**Industry Delegates - Rs 2500 /-**  
**Academic/Research/PG Students- Rs.2000/-**

The registration form in the prescribed format should reach the address for communication mentioned below not later than **7<sup>th</sup> September 2017**. Since the number of participants is limited, the selection will be on first come first serve basis. The applications without DD will not be entertained.

The registration fees can be paid through Demand Draft in favor of

**“Organized Programmes,**  
**Anna University, Chennai”**

### **IMPORTANT DATES:**

**Submission of Application : 07.09.2017**

**Intimation of Selection : 12.09.2017**

**Confirmation by participants : 15.09.2017**

### **Address for Communication:**

**Workshop on “Brain Computer Interface**  
**(BCI) and Applications”**  
**Centre for Medical Electronics,**  
**Department of ECE,**  
**College of Engineering Guindy,**  
**Anna University,**  
**Chennai- 600025. E-mail:**  
**sssmdsep30@gmail.com**

**NO ACCOMMODATION WILL BE PROVIDED**

## REGISTRATION FORM

**Name :**

**Designation :**

**Specialization :**

**Areas of research :**

**Department :**

**College/organization :**

**Address :**

**Phone No. :**

**E-mail :**

### **DD Details**

**Amount :**

**DD No. & date :**

**Bank Name :**

### **DECLARATION**

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Workshop of the Anna University. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the coordinator in advance in case I am unable to attend the workshop.

**Date: Signature of applicant**

**Place:**

**Signature of the HOD/Principal with seal**