



## ABOUT ANNA UNIVERSITY:

Anna University was established in September 1978 as a unitary type of technical university amalgamating four institutions: the College of Engineering Guindy, the A C College of Technology, the Madras Institute of Technology and the School of Architecture and Planning. All these four institutions each with a long history and distinct characteristics of own, provided a fertile reservoir of resources from which the nascent university has been formed and grown to its present stature. The College of Engineering Guindy, the main campus of the University, is one of the oldest technical institutions in India. Its origin dates back to 1794, which was established as a Survey School by East India Company. The University offers 45 Under-Graduate and 108 Post-Graduate Programmes along with M.Phil, M .S.(By Research) and Ph.D. Programmes. The University receives grants from the state and central governments, national and international agencies, and industrial houses. University Grants Commission has recognized the achievements of Anna University and provided the university with the coveted status as the **University with Potential for Excellence in the field of Bio Medical Engineering and Instrumentation.**

## 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 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 the field of Medical Electronics and Bio-Medical Engineering.

## ORGANIZING COMMITTEE:

**CHIEF PATRON :** **Dr. M.K. Surappa**  
Vice-Chancellor,  
Anna University,  
Chennai

**PATRON :** **Dr. L.Karunamoorthy**  
Registrar,  
Anna University,  
Chennai

**CHAIR :** **Dr. S. Iniyan**  
Dean, CEG Campus,  
Anna University

**CO-CHAIR :** **Dr. M. Meenakshi**  
HOD, DECE, CEG

**Dr. D. Sridharan**  
Director, CFD, AU

**Co-ordinators:** **Dr. M. Sasikala**  
Professor & Director,  
CME, Anna University

**Dr. S. Poonguzhali**  
Associate Professor,  
CME, Anna University.

## **IMPORTANT DATES:**

**Submission of Application : 31.01.2021**

**Intimation of Selection : 04.02.2021**

**Confirmation by Participant : 08.02.2021**



**AICTE Training and Learning (ATAL)  
Academy**

**Sponsored  
Online Faculty Development Programme  
On  
WEARABLE DEVICES  
(15.02.2021-19.02.2021)**

## **COORDINATORS**

**Dr. M. Sasikala**  
Professor

**Dr. S. Poonguzhali**  
Associate Professor



Organized by

**Centre for Medical Electronics  
CEG Campus  
Anna University, Chennai-600 025**



## ABOUT THE WORKSHOP

Wearable devices have evolved from life-saving devices to fashion accessories and range from activity monitor bracelets, smart watches, and smart glasses to GPS enabled shoes, all of which now have a growing market demand. The field of wearable technology has been experiencing explosive growth with exciting applications in the fields of medicine, healthcare, sports, fitness, and entertainment, as well as new ways for people to interact, communicate, and experience the environment around them. The workshop aims to provide researchers, practitioners from academia, industry and hospitals with a state-of-the-art coverage of the advances in wearable technology and devices. Design of wearable devices, its latest applications and the main challenges in the implementation of wearable devices will be covered.

## COURSE CONTENT

- Wearable sensors
- Energy Harvesting for wearable devices
- Signal processing for wearable devices
- Artificial Intelligence in wearables
- Wireless body area networks
- Applications of wearable technology in
  - Healthcare and Medicine
  - Sports and fitness
  - Assistive Technology
  - Military Applications
  - Smart textiles
  - VR and AR
- Demonstration of Wearable devices for biomedical applications.

## Resource Persons

Sessions will be handled by eminent speakers from Anna University, IIT Madras, IIT Bombay, DEBEL, DRDO Bangalore, HCL Technologies, Xfinito Biodesigns and Circuitects Electronic Pvt. Ltd.

## Eligibility

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureacrats/ Technicians/ Participants from Industry etc.) and Healthcare professionals. There is no registration fee for the participants. Participants will be selected on first come first-serve basis. Selected candidates will be intimated by e-mail only. The faculty members selected for the programme should get the authorization certificates signed from the principal. The certificate shall be issued to those participants who have attended the programme with minimum 80% attendance and scored minimum 60% mark in the test.

Scanned copy of filled in registration form is to be sent to [wearabledevices2020@gmail.com](mailto:wearabledevices2020@gmail.com)

## Address for Communication

The Coordinator  
Online FDP on “Wearable Devices”  
Centre for Medical Electronics,  
College of Engineering, Guindy,  
Anna University, Chennai – 600 025.  
E-mail : [wearabledevices2020@gmail.com](mailto:wearabledevices2020@gmail.com)

## Registration link

<https://www.aicte-india.org/atal>

## Registration Form

# ATAL Academy Sponsored Online Faculty Development Programme on WEARABLE DEVICES (15.02.2021-19.02.2021)

Name: .....

Designation .....

Qualification & Experience .....

Department .....

Institution .....

e-mail id .....

Mobile Number .....

Address .....

## Declaration

I declare that all the details furnished above are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of Online FDP under AICTE Training & Learning (ATAL) Academy.

Date :

Place : Signature of the Applicant

## AUTHORIZATION CERTIFICATE

This is to certify that \_\_\_\_\_ is a regular employee/Research Scholar of our institutions and is hereby permitted to attend the ATAL Online FDP on Wearable Devices at Centre for Medical Electronics, CEG, AU, Chennai-25.

Date:

Place:

Signature of the HOD/ Principal with seal



Certificate No. ATAL/2021/1626951695



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

**AICTE Training And Learning (ATAL) Academy**



### **Certificate of Appreciation**

*This is certified that Dr. M.Sasikala, Professor of Anna University, TAMIL NADU has successfully coordinated ATAL Online Faculty Development Programme on "Wearable Devices" from 2021-2-15 to 2021-2-19.*

Adviser-I, ATAL Academy