



DEPARTMENT OF BIOMEDICAL ENGINEERING
In Association with
IEEE STUDENT CHAPTER AVIT , FORCCE BIOMEDICAL and LOREM REGENESIS

ONE DAY WORKSHOP
On
“RECENT TECHNIQUE TO ACQUIRE AND ANALYZE BIOSIGNALS USING BIOPAC SYSTEM”
18-11-2022



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
Deemed to be University under section 3 of the UGC Act 1956



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

Cordially invites you all for the One Day Workshop on

**“ Recent Technique to Acquire and
Analyze Biosignals using Biopac System “**

18th Nov 2022

Time : 10.30 a.m.

Digital Room

Resource Person

Dr. K. Baskaran

Biomedical Engineer and Regional South Manager
"Gentech Pvt Ltd.", New Delhi.

In the presence of

Dr. G. Selvakumar
Principal, AVIT

Dr. L. K. Hema
HoD, Dept. of BME & ECE

Faculty Coordinators :

Ms. Lakshmi Shree B, AP, BME, AVIT
Ms. A.P. Amrutha, AP, BME, AVIT

Student Coordinators :

Mr.Nandhakumar . IV Year BME
Ms.Arepalli Madhuri, III Year BME



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**Organized by : Department of Biomedical Engineering
in association with IEEE Student Chapter AVIT, Force Biomedical and
Lorem Regensis**

EVENT DETAILS

Department of Biomedical Engineering in association with IEEE student chapter AVIT , Force Biomedical and Lorem Regenesi s , AVIT organized a one day workshop on “ Recent techniques to acquire and analyze bio signals using Biopac system” on 18.11.2022. At the onset Dr.L.K.Hema HOD/BME welcomed the gathering and also briefed about the new software to analyze the bio signals and their developments in the field of healthcare . Ms.Amrutha , Assistant professor , BME department gave a brief introduction about the speaker Dr.K.Baskaran .

The session speaker Dr.K.Baskaran is the Regional South manager in Gentech Pvt Ltd , who has an experience in this field for more than 15 years . He is an expertise in Biopac - Medical Devices and Matlab window. He started the session with the basics of bio signals originating in the human body , the existing methods of acquiring those signals . Later he gave a brief introduction about the Biopac systems and the projects completed through Biopac systems . The session involved many interactions with the students and applications were briefed.

In the afternoon session , live demonstration of the signal acquisition and signal analysis was shown via Biopac systems . ECG , Pulse Rate , Respiration rate , EEG , EOG and electro dermal activity was demonstrated for the students , The students were also given training on using the software and they conducted the live demo on their fellow classmates . The analysis of signals were also briefed .

The entire session was very new and the students were very much involved in doing projects by using Biopac systems .

The event was officially winded of by an vote of thanks from Dilip kumar , II year Bme studnt and the event was coordinated by Ms.Lakshmi Shree B - Asisstant professor , BME dept , Ms Amrutha - Asisstant professor , BME dept , Dr.Prasath - Associate Professor BME dept and Premalatha A , III year BME student .

EVENT GALLERY



Fig 1 : Inaguration of the workshop



Fig 2 : Session by the Speaker



Fig 3 : Live demo of Acquiring ECG signal



Fig 4 : Biopac system and software training

LIST OF PARTICIPANTS

SL NO	REG NO	STUDENT NAME
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