

INSTITUTION INNOVATION COUNCIL (IIC) – AVIT
DEPARTMENT/ASSOCIATION

Any one social media Url Link Facebook/Twitter/Instagram/LinkedIn	https://www.avit.ac.in/announcements/reports/2022/nov/Report%20-%20Oneday%20Workshop.pdf		
Program Driven by IIC Calendar Activity/ MIC Driven Activity/ Celebration Activity/Self driven activity	IIC Calendar Activity		
Event Title	“RECENT TECHNIQUE TO ACQUIRE AND ANALYZE BIOSIGNALS USING BIOPAC SYSTEM”		
Resource Person	Dr.K.Baskaran, Regional South manager, Gentech Pvt Ltd,		
Academic year	2022 - 23	Date: 18.11.2022	
Program Type Level 1 - Expert Talk/ Exposure Visit/ Mentoring Session (2 to 4 Hours) Level 2 – Conference / Exposure Visit / Seminar / Workshop (5 to 8 Hours) Level 3 – Bootcamp/ Competition/ Demo Day/ Exhibition / Workshop (9 to 18 Hours) Level 4 – Challenges/ Hackathon/ Tech Fest (Greater than 18 hours)	Workshop		
Program Theme IPR & Technology Transfer / Innovation & Design Thinking / Entrepreneurship & Startup / Pre-Incubation & Incubation Management	Entrepreneurship & Startup		
Start date & End Date (DD/MM/YYYY)	18.11.2022	18.11.2022	
Duration of the activity (in Mins) & Start Time & End Time	Duration: 300 Mins.	Start Time: 10 AM	End Time: 3.00 AM
Participants	Students: 37	Faculty: 05	External: 2
Mode of session (online / offline) * Online Video Url compulsory	offline	Expenditure Amount, If any	Nil
Event Organizer / Coordinator Faculty Name / Department / Designation	Dr.P.S.Aravind Raj, Associate Professor, Department of Civil Engineering.		

Target Participants	Students and Faculty members of all department
Outcome	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.

Report:

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 signlas 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 PvtLtd , who has an experience in this field for more than 15 years . He is an expertise in Bipoac - 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 thosesignals . 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 mic involved in doing projects by using Biopac systems.

The event was officially winded of by an vote of thanks from Dilip kumar , II yearBme 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



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



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



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
1	3532010501	AMRENDRA KUMAR SINGH
2	3532010502	ANISH KUMAR
3	3532010503	ANISH PRIYADARSHI
4	3532010504	AREPALLI MADHURI
		ASIF ALI
5	3532010505	
6	3532010506	BALAJI S
7	3532010509	JAMBUKESHWAR C
8	3532010510	JAY KRISHAN YADAV
9	3532010512	KRISHAN KUMAR
10	3532010513	LOKESHWARAN S
11	3532010515	MANISH KUMAR JHA
12	3532010517	MEENA JAYASTRI R
13	3532010518	MITHILESH KUMAR
14	3532010520	MOHAMED NIZAR A
15	3532010522	NISHU KUMARI
16	3532010523	NITESH KUMAR THAKUR
17	3532010525	PONNARASAN M
18	3532010526	PRAVEENA R
19	3532010527	PRAVIN R
20	3532010528	PREMALATHA A
21	3532010529	PRIYADHARSHINI K
22	3532010534	SHAFUDEEN S
23	3532010536	SUSI M
24	3532010538	VELMURUGAN C
25	3531910502	ARIF MOHAMMED M
26	3531910503	ASHFAQUE MD
27	3531910509	MD SALAM
28	3531910512	MOHAMED KHALID H
29	3531910514	NANDHAKUMAR G

30	3531910516	RAMZANI S
31	3531910517	SAJAN KUMAR



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32	3531910518	SAKTHI G
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34	3531910520	SARATH KUMAR S
35	3531910523	SRI RAM M
36	3531815504	NITHIESH SHARMA S
37	3532155501	SANTHOSH KUMAR S