



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



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



**DEPARTMENT OF BIOMEDICAL ENGINEERING**  
*In association with*  
**IEEE Student Chapter- AVIT & IETE students Forum**

**ORGANIZE**

**“SYNERGIZING CARDIAC AND FETAL CARE: A PRACTICAL  
WORKSHOP ON MONITORING SOLUTIONS”**

<b>Event Title</b>	<b>Synergizing Cardiac and Fetal Care: A Practical Workshop on Monitoring Solutions</b>		
<b>Resource Person</b>	<b>Mr. Mohammed Sahil</b> Application Specialist Focus Imaging Systems Chennai  <b>Mr. G.Balaji</b> General Manager Focus Imaging Systems Chennai		
<b>Academic year</b>	2025-2026		
<b>Program Type</b> (Workshop / Motivation speech / Field Visit / Competition / Others)	Workshop		
<b>Program Theme</b> (IPR / R&D and Innovation / Start-up / Entrepreneurship / Design Thinking / Incubation & Pre – Incubation / others)	Others		
<b>Start date &amp; End Date</b> (DD/MM/YYYY)	03.09.2025	03.09.2025	
<b>Duration of the activity (in Mins) &amp; Start Time &amp; End Time</b>	Duration: Mins.	Start Time: 10:00 AM	End Time: 03.30 PM
<b>Participants</b>	Students: 49	Faculty: 3	External: 02
<b>Mode of session</b> (online / offline)	Offline		
<b>Event Organizer / Coordinator</b> Faculty Name / Department / Designation	<b>Dr.Prasath S., Assoc. Prof./BME</b>		
<b>Target Participants</b>	II,III & IV Year students of Biomedical Engineering and Technology		
<b>Outcome</b>	The session gave an insight on the opportunities for members can acquire ECG Analyser with Patient Monitoring System and Fetal Monitor		



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## EVENT BROCHURE



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Vinayaka Missions Chennai Campus



Cordially invites you all to the  
session on

### **Synergizing Cardiac and Fetal Care: A Practical Workshop on Monitoring Solutions**

Resource Person

**Mr. Mohammed Sahil**  
Application Specialist  
Focus Imaging Systems  
Chennai

In Association with  
IEEE Student Chapter- AVIT  
& IETE students Forum



**IEEE**



Organized by: Department of Biomedical Engineering



3<sup>rd</sup> September 2025



10.00AM to 03.30 PM



TBT106 -Smart Class Room



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## EVENT REPORT

The Department of Biomedical Engineering in association with **IEEE Student Chapter- AVIT & IETE students Forum** conducted a program to Biomedical students on the topic “**Synergizing Cardiac and Fetal Care: A Practical Workshop on Monitoring Solutions**” on 03.09.2025.

At the outset, Dr. Prasath, Associate Prof, BME department delivered the welcome address, followed by the chief guest introduction by Ms. Nandhini A. Final year BME, The chief Guest Mr. Mohammed Sahil is a biomedical engineering professional based in Tamil Nadu, serving as several roles starts from NH- Mazumdar Shaw Cancer Center- Bangalore as Biomedical Engineer, his previous role serving as dynamic roles in Atheenapandian Organisation starts from Biomedical Training officer to Researcher & Operations for Biomedical Internship at Chennai & Coimbatore. Currently He joined with FIS Team, as Sales & Application Specialist (especially for Stryker Brand Representative for all over Tamilnadu), and he also served as Biomedical Training role & Guest lecturer for Biomedical Department activities..

Later, The chief Guest, Mr. Mohammed Sahil, & Mr. G. Balaji expressed about the medical, sonology, and fetal medicine backgrounds to explore advanced techniques in cardiac and fetal care. The focus was on understanding the interplay between fetal and neonatal cardiac systems, with practical sessions on imaging technologies such as fetal echocardiography and Doppler tools. He given hands on training use of advanced ultrasound modalities and AI-assisted cardiac scanning on real cases of congenital heart disease.

Students rotated through equipment-based sessions, mastering the placement of electrodes, intrauterine pressure catheters, and the handling and reading of CTGs. Attendees gained proficiency in not only identifying and monitoring fetal heart conditions but also learned the importance of multidisciplinary care and communication in clinical settings. The hands-on format enabled students to bridge the gap between didactic learning and the application of skills crucial for early detection and management of cardiac and fetal pathologies.

Participants reported enhanced confidence and preparedness for future roles in cardiac and perinatal care, thanks to close mentorship and detailed feedback sessions at the end of the training. This hands-on training event significantly elevated the practical and collaborative abilities of students in cardiac and fetal care monitoring,



preparing them for advanced clinical responsibilities. The Workshop training Certificates issued to the trained students by the Chief guest..

The workshop was concluded by Vote of Thanks by Mr.Dipesh Mazumder, Third year BME.





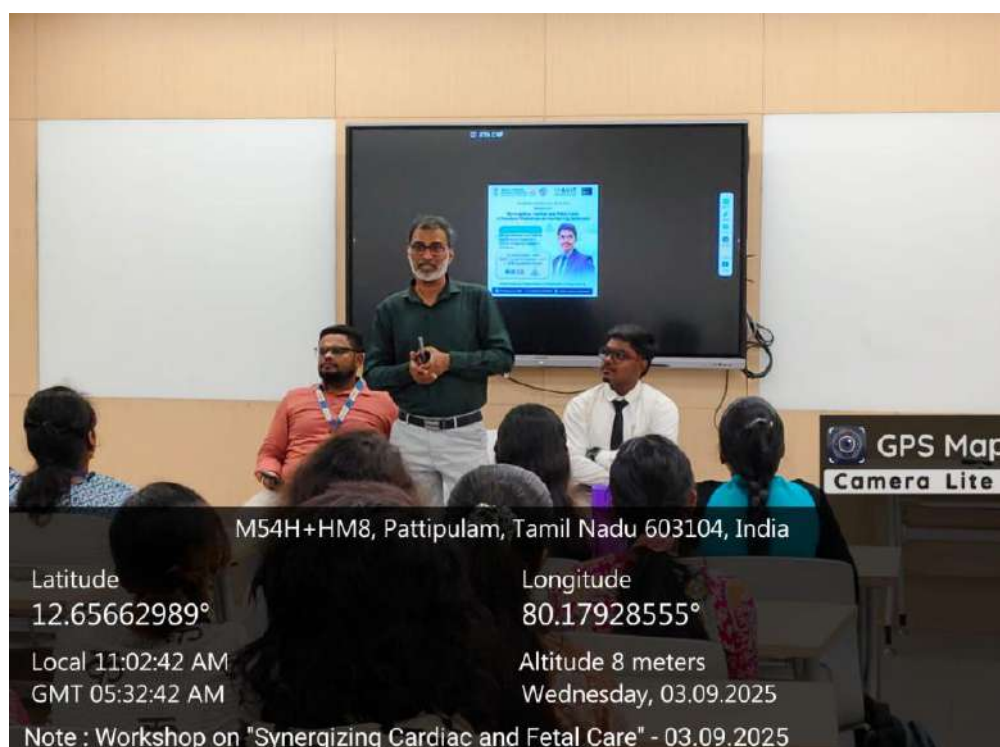
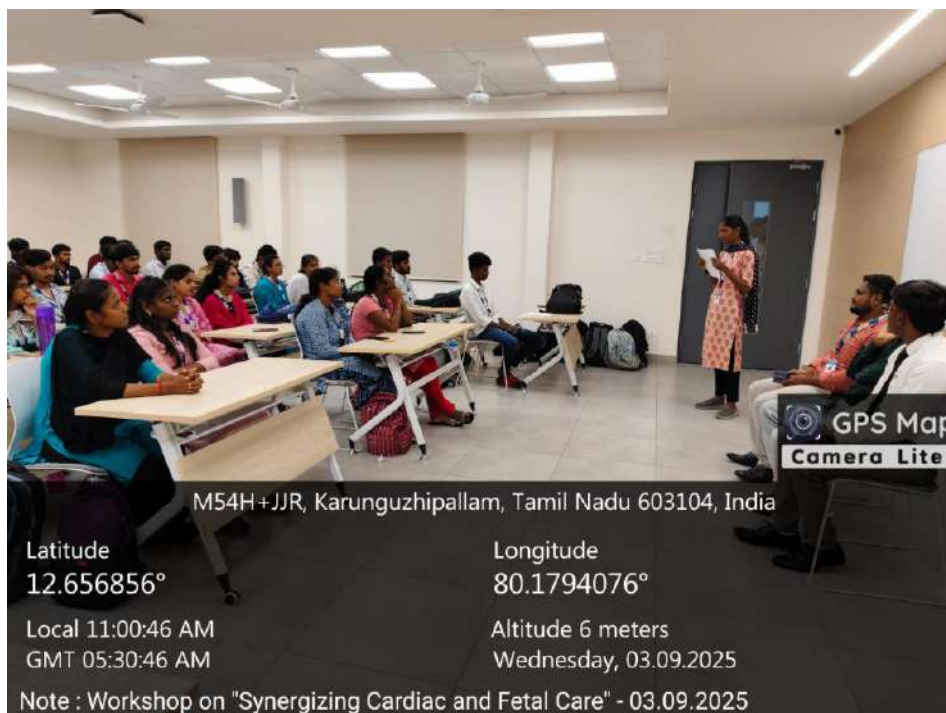
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## EVENT GALLERY





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GPS Map  
Camera Lite

M53G+66G Chettinad Resorts, Karunguzhipallam, Tamil Nadu 603104, India

Latitude  
12.6522671°

Longitude  
80.1747771°

Local 11:03:31 AM  
GMT 05:33:31 AM

Altitude 4 meters  
Wednesday, 03.09.2025

Note : one day workshop (3-09-2025)



GPS Map  
Camera Lite

M54H+JJR, Karunguzhipallam, Tamil Nadu 603104, India

Latitude  
12.6566902°

Longitude  
80.1793366°

Local 01:09:01 PM  
GMT 07:39:01 AM

Altitude 6 meters  
Wednesday, 03.09.2025

Note : one day workshop (3-09-2025)





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M54H+JJR, Karunguzhipallam, Tamil Nadu 603104, India

Latitude  
12.6567065°

Longitude  
80.179342°

Local 03:20:52 PM  
GMT 09:50:52 AM

Altitude 6 meters  
Wednesday, 03.09.2025

Note : one day workshop (3-09-2025)





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M54H+JJR, Karunguzhipallam, Tamil Nadu 603104, India

Latitude  
12.656704°

Local 03:20:13 PM  
GMT 09:50:13 AM

Note : one day workshop (3-09-2025)

Longitude  
80.1793147°  
Altitude 6 meters  
Wednesday, 03.09.2025







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## LIST OF PARTICIPANTS



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AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

DEPARTMENT OF BIOMEDICAL ENGINEERING

Expert Talk

ON

**“Synergizing Cardiac and Fetal Care: A Practical Workshop on  
Monitoring Solutions”**

Date: 03.09.25

Time : 10.00 AM

Sl.No	Participant Name	Department	Signature
1.	M. Akshaya	BME - II <sup>nd</sup> year	
2.	Nishukumar	BME - II <sup>nd</sup> year	
3.	S. Sushmitha	BME - II <sup>nd</sup> year	
4.	R. Bavani	BME - III <sup>rd</sup> year	
5.	S. Manasa	BME - III <sup>rd</sup> year	
6.	Ruth Kumari Das	BME - III <sup>rd</sup> year	
7.	Fathima Nishla	BME - 4 <sup>th</sup> year	
8.	Devika Suresh	BME - 4 <sup>th</sup> year	
9.	Ajisha H	BME - 4 <sup>th</sup> year	
10.	Albin Albert	BME - 4 <sup>th</sup> year	
11.	M. Rohikumar	BME - III <sup>rd</sup> year	
12.	R. Sai Teja	ECE - III <sup>rd</sup> year	
13.	V. Hemanth Kumar	ECE - II <sup>nd</sup> year	
14.	B. Sri Ram Nayak	ECE - II <sup>nd</sup> year	



Sl.No	Participant Name	Department	Signature
15	SK. Shaziys	B.E - ECE II <sup>nd</sup> year	SK. Shaziys
16	P. Ananyas	BE - ECE II <sup>nd</sup> year	P. Ananyas
17	J. Peja Sree	B.E - ECE II <sup>nd</sup> year	J. Peja Sree
18	A. Siddardha	BE - ECE III <sup>rd</sup> year	A. Siddardha
19	Daniel Sam Raj .A	B.E - BME II <sup>nd</sup> year	Daniel Sam Raj .A
20	G. Krishna	B.E - E.C.E III <sup>rd</sup> year	G. Krishna
21	T. Ravi Kumar Reddy	BE - ECE III <sup>rd</sup> year	T. Ravi Kumar Reddy
22	S. Ujaf	BE - ECE III <sup>rd</sup> year	S. Ujaf
23	Syed Mohammed yunus	BE - ECE III <sup>rd</sup> year	Syed Mohammed yunus
24	Dipesh Mazumder	BE - BME III <sup>rd</sup> year	Dipesh Mazumder
25	Chhotu - Kumar	BE - BME IV <sup>th</sup> year	Chhotu - Kumar
26	Dinika Bhavathi	BE - BME - IV <sup>th</sup> year	Dinika Bhavathi
27	Bhramara Kumari	BE - BME - IV <sup>th</sup> year	Bhramara Kumari
28	Nandhini .A	B.E - BME - IV <sup>th</sup> year	Nandhini .A
29	T. Sanjay	BE - BME - IV <sup>th</sup> year	T. Sanjay
30	M. Vel murugan	BE BME - IV <sup>th</sup> year	M. Vel murugan
31	D. Abirani	BE BME - IV <sup>th</sup> year	D. Abirani
32	V. Lakshmi	BE BME - IV <sup>th</sup> year	V. Lakshmi
33	D. Gorthandaraman	B.E BME - IV <sup>th</sup> year	D. Gorthandaraman





S.No	Participant Name	Department	Signature
34	Laxman Ray	BE-BME-IV <sup>th</sup> year	Laxman
35	Shiraj kumar	BE-BME IV year	Shiraj
36	SONU KUMAR	BE BME IV year	Sonu
37	P.Sreedattu	BE BME II Year	Sreedattu
38	S.Sonjay	BE BME II Year	Sonjay
39	Sivakalan	BE-BME IV yr	Sivakalan
40	Karan Kaluguri	BE BME IV yr	Karan
41	Rajaganapathi	BE BME IV yr	Rajaganapathi
42	Delli akash	BE BME IV yr	Delli akash
43	A.Sai Kumar Reddy	BE ECE III <sup>rd</sup> year	A.Sai Kumar Reddy
44	Ja. Venkata Sai	BE ECE III <sup>rd</sup> year	Ja. Venkata Sai
45	C.Romana Reddy	BE ECE III <sup>rd</sup> year	C.Romana Reddy
46	K.Obulcollu	BE ECE III <sup>rd</sup> year	K.Obulcollu
47	B. Anji	BE ECE III <sup>rd</sup> year	B. Anji
48	Y.Nachumitha	BE ECE III <sup>rd</sup> year	Y.Nachumitha
49.	R.Vishnupriya	BE ECE III <sup>rd</sup> year	R.Vishnupriya