



# VINAYAKA MISSION'S RESEARCH FOUNDATION

(Deemed to be University under section 3 of the UGC Act 1956)

## **VMRF(DU) Salem and Atheenapandian Private Limited, Courtallam, Tenkasi District**

Vinayaka Mission's Research Foundation (Deemed to be University) (VMRF(DU)) in Salem, India, and Atheenapandian Private Limited, Courtallam, Tenkasi District have signed Memorandum of Understanding (MoU) held on 02<sup>nd</sup> June 2022,

### **Nature of Collaboration**

- Joint Publication of Research Papers/Patents,
- Student Visits,
- Collaborative Clinical Trials,
- Collaborative Organization of Seminars/conferences/Workshops between the institutions



# **MOU ACTIVITIES**



---

# INTERMEDIATE LEVEL MEDICAL EQUIPMENT TRAINING

## REPORT

---

FOR



VINAYAKA MISSION'S KIRUPANANDA  
**VARIYAR ENGINEERING  
COLLEGE**



## **Hands-on Training**

### **Biomedical Equipment – Intermediate Level**

The department of Biomedical Engineering, Vinayaka Mission's Research Foundation (Deemed to be university) Salem and Mr. Atheena Milagi Pandian, Founder & Managing Director of Atheenapandian Pvt. Ltd, a training academy for Biomedical Engineers in Courtallam, Tenkasi jointly organized a Hands-on Training on Biomedical Equipment - Intermediate Level.

On 27<sup>th</sup> February 2024, the event began at 9:00 A.M. in Extension block, First floor, VMKVEC Campus by Mr. Atheena Milagi Pandian, and his technical experts demonstrated the working principles of various biomedical equipments. A total of 51 students from department of BME are participated. Students are well trained to handle and troubleshoot the various biomedical equipments like ECG, Defibrillator, Pulse Oxymeter, Fetal Dopplers, Syringe Pump, Fat analyser, TENS, Manipole massager, Ultra sound, Hammer Massager and CPAP machine.

The students' active engagement and interaction with the resource people contributed significantly to the program's success. This training will stimulate the students to do their project and they know about placement details and placement-related questions. Based on the assessment report, training certificate was issued to the participants.

# TRAINING PHOTOS





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



VINAYAKA MISSION'S KIRUPANANDA  
VARIYAR ENGINEERING  
COLLEGE

# Department of Biomedical Engineering

VINAYAKA MISSION'S KIRUPANANDA  
VARIYAR ENGINEERING COLLEGE

&

Atheenapandian Pvt. Ltd. (APPLD)

(Training Academy for Biomedical Engineers)



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiative)



Jointly Organize  
Hands-on Training on

# “Biomedical Equipment”

Venue : Extension Block, First Floor, VMKVEC Campus.

**INTERMEDIATE LEVEL**

Demonstration, Application & Dismantling of Medical Equipment

<b>Second Year</b>	<b>27.02.2024 to 02.03.2024</b>	<b>09.00 AM to 05.00 PM</b>
------------------------	-------------------------------------	---------------------------------

TECHNICAL EXPERT

**Dr. S. Atheena Milagi Pandian**

Founder & Managing Director

Atheenapandian Pvt. Ltd.

Courtallam, Tenkasi, Tamilnadu, India.

& Team



**Mr. K. Natarajan**

Organizing Secretary  
Associate Professor / BME  
VMKVEC, Salem

**Mr. S. Mathankumar**

Programme Coordinator  
Associate Professor / BME  
VMKVEC, Salem

**Dr. D. Vinod Kumar**

Convener  
Professor & Head / BME  
VMKVEC, Salem

**Dr. R. Sasi Kumar**

Principal  
VMKVEC,  
Salem

# BIOMEDICAL TRAINER DETAILS

**Trainer Name** : **Dr. S. ATHEENA MILAGI PANDIAN**  
**Qualification** : B.E (Biomedical), M.E (Biomedical), Ph.D (Biomedical),,  
**Corporate Experience** : 15 Years  
**Organizations** : Managing Director, ATHEENAPANDIAN Pvt Ltd



**Other Details:**

- Trained almost 5000 students globally.
- Giving placements to almost 1500 participants in Biomedical core Companies.
- Involved in research activities especially in product development of Ophthalmology.

**Trainer Name** : **Ms. Rashika Murugan**  
**Qualification** : B.E (Biomedical) M.E (Medical Electronics),,  
**Corporate Experience** : 3 Years  
**Organizations** : ATHEENAPANDIAN Pvt Ltd



**Other Details:**

- Provide Training to more than 3500 students from Various Engineering Institutions.
- Provide 10 Biomedical Lectures to the Various Institutions.
- Involved in many FDP, Workshop and Internship activities in core companies.
- 

**Trainer Name** : **Mr.S.Mohammed Sahil**  
**Qualification** : B.E (Biomedical),,  
**Corporate Experience** : 2 Years  
**Organizations** : ATHEENAPANDIAN Pvt Ltd



**Other Details:**

- Provide Training to more than 500 students from various engineering institutions.
- Provide 7 Biomedical Lectures to the Various Institutions.
- Involved in many FDP, Workshop, and Internship activities in core companies.

**Trainer Name** : **Mr.M.Sudherson**  
**Qualification** : B.E (Biomedical),,  
**Corporate Experience** : 1 Year  
**Organizations** : ATHEENAPANDIAN Pvt Ltd



**Other Details:**

- Provide Training to more than 500 students from various engineering institutions.
- Provide 5 Biomedical Lectures to the Various Institutions.
- Involved in many FDP, Workshop, and Internship activities in core companies.

**Trainer Name** : **Mr. N A Hasan Mohyudeen**  
**Qualification** : B.E (Biomedical),,  
**Corporate Experience** : 1 Year  
**Organizations** : ATHEENAPANDIAN Pvt Ltd



**Other Details:**

- Provide Training to more than 500 students from various engineering institutions.
- Provide 3 Biomedical Lectures to the Various Institutions.
- Involved in many FDP, Workshop, and Internship activities in core companies.

# DAY WISE PLAN

Day	Details	Duration (in Hrs)		
		Theory	Practical	Total
1	Introduction about Heart anatomy and Cardiological equipments, ECG, Defibrillator, Pulse Oximeter, Fetal Doppler and its application, Circuit Explanation, working mechanism	2	5	7
2	Introduction about Drug delivery devices, working mechanism behind Syringe pump, Infusion pump and its internal circuits. Introduction of Fat analyzer and its working Mechanism.	2	5	7
3	Theory, principle, working and Patient monitoring System, Dozee and Nebulizer	2	5	7
4	Introduction physiotherapy Equipments, and its working mechanism, principle, Demonstration and Dismantling, TENS, Manipole Massager , Ultra sound, Hammer Massager.	2	5	7
5	Introduction of Radiology Equipment and its principle, Theory, working mechanism Working Principle and Demonstration of CPAP	2	5	7
Total		10	25	35



# ATTENDANCE REPORT

S.NO	NAME	DAY 1		DAY 2		DAY 3		DAY 4		DAY 5		%
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
1	ABDUL FAYIZ ALI V Y	P	P	P	P	P	P	P	P	P	P	100%
2	ABINAYA B	P	P	P	P	P	P	P	P	P	P	100%
3	BABINAYA R	P	P	P	P	P	P	P	P	P	P	100%
4	ADHIL MOHEMMED T	P	P	P	P	P	P	P	P	P	P	100%
5	ADHITHYA A	P	P	P	P	P	P	P	P	P	P	100%
6	AJAIKRISHNA K	P	P	P	P	P	P	P	P	P	P	100%
7	BALAMURUGAN K	P	P	P	P	P	P	P	P	P	P	100%
8	BARATH KUMAR R	P	P	P	P	P	P	P	P	P	P	100%
9	BHARTI KUMARI	P	P	P	P	P	P	P	P	P	P	100%
10	BHUMIKAA SRI MURUGANANDAM	P	P	P	P	P	P	P	P	P	P	100%
11	ELAYAPRAKASH E	P	P	P	P	P	P	P	P	P	P	100%
12	ELAYARAJA K	P	P	P	P	P	P	P	P	P	P	100%
13	HARIHARAN J	P	P	P	P	P	P	P	P	P	P	100%
14	HARIHARAN S	P	P	P	P	P	P	P	P	P	P	100%
15	JANARTHANAN M	P	P	P	P	P	P	P	P	P	P	100%
16	JOMON JOLLY	P	P	P	P	P	P	P	P	P	P	100%
17	MOHAMMED KHALID A	P	P	P	P	P	P	P	P	P	P	100%
18	HARIKESH KUMAR	P	P	P	P	P	P	P	P	P	P	100%
19	JAGADEESH KUMAR C	P	P	P	P	P	P	P	P	P	P	100%
20	KARTHICK M	P	P	P	P	P	P	P	P	P	P	100%
21	KAVIN KUMAR L	P	P	P	P	P	P	P	P	P	P	100%
22	KAVIN S	P	P	P	P	P	P	P	P	P	P	100%
23	LINGESHWARAN A	P	P	P	P	P	P	P	P	P	P	100%
24	MD ABUTALIB	P	P	P	P	P	P	P	P	P	P	100%
25	MUGILAN M	P	P	P	P	P	P	P	P	P	P	100%
26	NEELAMBARI S	P	P	P	P	P	P	P	P	P	P	100%
27	NIKESH U	P	P	P	P	P	P	P	P	P	P	100%

28	NISHANTH M	P	P	P	P	P	P	P	P	P	P	100%
29	PANKAJ KUMAR	P	P	P	P	P	P	P	P	P	P	100%
30	PRADEEPA F	P	P	P	P	P	P	P	P	P	P	100%
31	PRAVEEN N	P	P	P	P	P	P	P	P	P	P	100%
32	PREETHI JENIYA A	P	P	P	P	P	P	P	P	P	P	100%
33	PUGALARASAN A	P	P	P	P	P	P	P	P	P	P	100%
34	SIVANI RAJENDRAN	P	P	P	P	P	P	P	P	P	P	100%
35	ABIRAMIS	P	P	P	P	P	P	P	P	P	P	100%
36	RAMYA S	P	P	P	P	P	P	P	P	P	P	100%
37	SAMSON ARULRAJ C	P	P	P	P	P	P	P	P	P	P	100%
38	SANJAY PRASANTH M	P	P	P	P	P	P	P	P	P	P	100%
39	SASIBHARATHI M	P	P	P	P	P	P	P	P	P	P	100%
40	SASIKUMAR M	P	P	P	P	P	P	P	P	P	P	100%
41	SATHYA V	A	A	P	P	P	P	P	P	P	P	80%
42	SELVA JEBANISH L	P	P	P	P	P	P	P	P	P	P	100%
43	SHANMUGAM S	P	P	P	P	P	P	P	P	P	P	100%
44	SUMITHRA E	P	P	P	P	P	P	P	P	P	P	100%
45	TEJUS S	P	P	P	P	P	P	P	P	P	P	100%
46	VENKATESWARAN K	P	P	P	P	P	P	P	P	P	P	100%
47	VIJAY J	P	P	P	P	P	P	P	P	P	P	100%
48	VINOTHINI J	P	P	P	P	P	P	P	P	P	P	100%
49	YOKESH V	P	P	P	P	P	P	P	P	P	P	100%
50	YUVARAJA K	P	P	P	P	P	P	P	P	P	P	100%
51	YESHWANTH J M	P	P	P	P	P	P	P	P	P	P	100%

# ASSESSMENT REPORT

S.NO	NAME	Assessment 1		Assessment 2		Assessment 3		Assessment 4		Assessment 5	
		Out of 20	%	Out of 20	%	Out of 20	%	Out of 20	%	Out of 20	%
1	ABDUL FAYIZ ALI V Y	12	60%	13	65%	18	90%	18	90%	8	40%
2	ABINAYA B	10	50%	16	80%	18	90%	19	95%	15	75%
3	BABINAYA R	12	60%	11	55%	14	70%	14	70%	12	60%
4	ADHIL MOHEMMED T	10	50%	14	70%	16	80%	15	75%	14	70%
5	ADHITHYA A	7	35%	18	90%	10	50%	7	35%	19	95%
6	AJAIKRISHNA K	10	50%	14	70%	16	80%	8	40%	16	80%
7	BALAMURUGAN K	9	45%	13	65%	13	65%	11	55%	19	95%
8	BARATH KUMAR R	7	35%	17	85%	18	90%	13	65%	18	90%
9	BHARTI KUMARI	8	40%	16	80%	13	65%	12	60%	13	65%
10	BHUMIKAA SRI MURUGANANDAM	14	70%	13	65%	10	50%	19	95%	11	55%
11	ELAYAPRAKASH E	9	45%	12	60%	17	85%	14	70%	17	85%
12	ELAYARAJA K	9	45%	15	75%	18	90%	12	60%	19	95%
13	HARIHARAN J	8	40%	11	55%	15	75%	11	55%	14	70%
14	HARIHARAN S	9	45%	14	70%	13	65%	7	35%	16	80%
15	JANARTHANAN M	9	45%	12	60%	19	95%	9	45%	17	85%
16	JOMON JOLLY	10	50%	14	70%	11	55%	14	70%	16	80%
17	MOHAMMED KHALID A	9	45%	11	55%	17	85%	13	65%	18	90%
18	HARIKESH KUMAR	17	85%	18	90%	11	55%	19	95%	16	80%
19	JAGADEESH KUMAR C	17	85%	17	85%	15	75%	14	70%	15	75%
20	KARTHICK M	17	85%	15	75%	13	65%	13	65%	19	95%
21	KAVIN KUMAR L	16	80%	18	90%	18	90%	11	55%	17	85%

22	KAVIN S	17	85%	13	65%	16	80%	6	30%	15	75%
23	LINGESHWARAN A	11	55%	13	65%	19	95%	17	85%	14	70%
24	MD ABUTALIB	18	90%	15	75%	11	55%	17	85%	15	75%
25	MUGILAN M	14	70%	15	75%	13	65%	11	55%	16	80%
26	NEELAMBARI S	19	95%	17	85%	13	65%	18	90%	17	85%
27	NIKESH U	11	55%	16	80%	18	90%	11	55%	17	85%
28	NISHANTH M	18	90%	17	85%	12	60%	19	95%	15	75%
29	PANKAJ KUMAR	13	65%	18	90%	17	85%	15	75%	16	80%
30	PRADEEPA F	17	85%	12	60%	16	80%	19	95%	17	85%
31	PRAVEEN N	12	60%	9	45%	18	90%	16	80%	15	75%
32	PREETHI JENIYA A	14	70%	18	90%	16	80%	19	95%	15	75%
33	PUGALARASAN A	13	65%	14	70%	11	55%	19	95%	17	85%
34	SIVANI RAJENDRAN	18	90%	17	85%	13	65%	17	85%	14	70%
35	ABIRAMIS	16	80%	19	90%	18	90%	15	75%	17	85%
36	RAMYA S	13	65%	17	85%	15	75%	16	80%	12	60%
37	SAMSON ARULRAJ C	17	85%	19	95%	18	90%	17	85%	19	95%
38	SANJAY PRASANTH M	19	95%	17	85%	14	70%	18	90%	13	65%
39	SASIBHARATHI M	17	85%	15	75%	19	95%	16	80%	13	65%
40	SASIKUMAR M	14	70%	18	90%	12	60%	13	65%	19	95%
41	SATHYA V	AB	AB	16	80%	19	95%	18	90%	14	70%
42	SELVA JEBANISH L	8	40%	19	95%	10	50%	16	80%	19	95%
43	SHANMUGAM S	19	95%	18	90%	13	65%	16	80%	18	90%
44	SUMITHRA E	19	95%	19	95%	17	85%	16	80%	17	85%
45	TEJUS S	9	45%	14	70%	13	65%	17	85%	11	55%
46	VENKATESWARAN K	19	95%	17	85%	19	95%	18	90%	13	65%
47	VIJAY J	17	85%	18	90%	13	65%	13	65%	16	80%
48	VINOTHINI J	11	55%	16	80%	11	55%	18	90%	19	90%

49	YOKESH V	17	85%	12	60%	17	85%	13	65%	14	70%
50	YUVARAJA K	17	85%	13	65%	15	75%	11	55%	18	90%
51	YESHWANTH J M	12	60%	17	85%	11	55%	14	70%	19	95%

# OVER-ALL GRADING DETAILS

Grading Criteria					
<b>Attendance</b>	80to100%	60to80%	40to60%	40%	<40%
<b>Marks</b>	81to100	61to80	41to60	31to40	<=30
<b>Grade</b>	S	A	B	C	D

S.No	Name	Dept	Hands On Training					TOTAL (Out of 100)	Attendance %	Grade
			Assessment (Outof50)	Attendance weightage (Out of 15)	Concept Understanding (Out of 15)	Innovative thinking (Out of 10)	Interaction (Out of 10)			
1	ABDUL FAYIZ ALI V Y	BME	30	15	15	10	10	80	100%	A
2	ABINAYA B	BME	39	15	15	10	10	89	100%	S
3	BABINAYA R	BME	32	15	15	10	10	82	100%	S
4	ADHIL MOHEMMED T	BME	35	15	15	10	10	85	100%	S
5	ADHITHYA A	BME	31	15	15	10	10	81	100%	S
6	AJAIKRISHNA K	BME	32	15	15	10	10	82	100%	S
7	BALAMURUGAN K	BME	32	15	15	10	10	82	100%	S
8	BARATH KUMAR R	BME	37	15	15	10	10	87	100%	S
9	BHARTI KUMARI	BME	31	15	15	10	10	81	100%	S
10	BHUMIKAA SRI MURUGANANDAM	BME	33	15	15	10	10	83	100%	S
11	ELAYAPRAKASH E	BME	34	15	15	10	10	84	100%	S
12	ELAYARAJA K	BME	36	15	15	10	10	86	100%	S
13	HARIHARAN J	BME	29	15	15	10	10	79	100%	A

14	HARIHARAN S	<b>BME</b>	30	15	15	10	10	80	100%	A
15	JANARTHANAN M	<b>BME</b>	33	15	15	10	10	83	100%	S
16	JOMON JOLLY	<b>BME</b>	32	15	15	10	10	82	100%	S
17	MOHAMMED KHALID A	<b>BME</b>	34	15	15	10	10	84	100%	S
18	HARIKESH KUMAR	<b>BME</b>	40	15	15	10	10	90	100%	S
19	JAGADEESH KUMAR C	<b>BME</b>	39	15	15	10	10	89	100%	S
20	KARTHICK M	<b>BME</b>	39	15	15	10	10	89	100%	S
21	KAVIN KUMAR L	<b>BME</b>	40	15	15	10	10	90	100%	S
22	KAVIN S	<b>BME</b>	33	15	15	10	10	83	100%	S
23	LINGESHWARAN A	<b>BME</b>	37	15	15	10	10	87	100%	S
24	MD ABUTALIB	<b>BME</b>	38	15	15	10	10	88	100%	S
25	MUGILAN M	<b>BME</b>	34	15	15	10	10	84	100%	S
26	NEELAMBARI S	<b>BME</b>	42	15	15	10	10	92	100%	S
27	NIKESH U	<b>BME</b>	36	15	15	10	10	86	100%	S
28	NISHANTH M	<b>BME</b>	40	15	15	10	10	90	100%	S
29	PANKAJ KUMAR	<b>BME</b>	40	15	15	10	10	90	100%	S
30	PRADEEPA F	<b>BME</b>	35	15	15	10	10	85	100%	S
31	PRAVEEN N	<b>BME</b>	41	15	15	10	10	91	100%	S
32	PREETHI JENIYA A	<b>BME</b>	37	15	15	10	10	87	100%	S
33	PUGALARASAN A	<b>BME</b>	40	15	15	10	10	90	100%	S
34	SIVANI RAJENDRAN	<b>BME</b>	42	15	15	10	10	92	100%	S

35	ABIRAMIS	<b>BME</b>	36	15	15	10	10	86	100%	S
36	RAMYA S	<b>BME</b>	45	15	15	10	10	95	100%	S
37	SAMSON ARULRAJ C	<b>BME</b>	40	15	15	10	10	90	100%	S
38	SANJAY PRASANTH M	<b>BME</b>	41	15	15	10	10	91	100%	S
39	SASIBHARATHI M	<b>BME</b>	40	15	15	10	10	90	100%	S
40	SASIKUMAR M	<b>BME</b>	38	15	15	10	10	88	100%	S
41	SATHYA V	<b>BME</b>	34	15	15	10	10	84	80%	S
42	SELVA JEBANISH L	<b>BME</b>	36	15	15	10	10	86	100%	S
43	SHANMUGAM S	<b>BME</b>	42	15	15	10	10	92	100%	S
44	SUMITHRA E	<b>BME</b>	44	15	15	10	10	94	100%	S
45	TEJUS S	<b>BME</b>	32	15	15	10	10	82	100%	S
46	VENKATESWARAN K	<b>BME</b>	43	15	15	10	10	93	100%	S
47	VIJAY J	<b>BME</b>	38	15	15	10	10	88	100%	S
48	VINOTHINI J	<b>BME</b>	37	15	15	10	10	87	100%	S
49	YOKESH V	<b>BME</b>	43	15	15	10	10	93	100%	S
50	YUVARAJA K	<b>BME</b>	37	15	15	10	10	87	100%	S
51	YESHWANTH J M	<b>BME</b>	36	15	15	10	10	86	100%	S





---

**BASE LEVEL**

**MEDICAL EQUIPMENT TRAINING**

**REPORT**

---

**FOR**



VINAYAKA MISSION'S KIRUPANANDA  
**VARIYAR ENGINEERING  
COLLEGE**

## **Hands-on Training**

### **Biomedical Equipment – Intermediate Level"**

The department of Biomedical Engineering, Vinayaka Mission's Research Foundation (Deemed to be university) Salem and Mr. Atheena Milagi Pandian, Founder & Managing Director of Atheenapandian Pvt. Ltd, a training academy for Biomedical Engineers in Courtallam, Tenkasi jointly organized a Hands-on Training on Biomedical Equipment - Intermediate Level.

On 4<sup>th</sup> March 2024, the event began at 9:00 A.M. in Extension block, First floor, VMKVEC Campus by Mr. Atheena Milagi Pandian, and his technical experts demonstrated the working principles of various biomedical equipments. A total of 56 students from department of BME are participated. Students are well trained to understand the mechanism, handle and applications of various biomedical equipments like Thermometer, Fetal Dopplers, ECG lead system, Syringe Pump, Sphygmomanometer, CPAP machine, Otoscope, Hearing Aid, Stethoscope, Pulse oxymeter, Nebuliser, and TENS Stimulators.

The students' active engagement and interaction with the resource people contributed significantly to the program's success. This training will provide the students to handle the various equipments in health care and update the knowledge in the field of biomedical engineering. Based on the assessment report, training certificate was issued to the participants.

# TRAINING PHOTOS





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



VINAYAKA MISSION'S KIRUPANANDA  
VARIYAR ENGINEERING  
COLLEGE

## Department of Biomedical Engineering

VINAYAKA MISSION'S KIRUPANANDA  
VARIYAR ENGINEERING COLLEGE

&

Atheenapandian Pvt. Ltd. (APPLD)

(Training Academy for Biomedical Engineers)



Jointly Organize  
Hands-on Training on

# "Biomedical Equipment"

Venue : Extension Block, First Floor, VMKVEC Campus.

**BASIC LEVEL**

**Fundamentals of Medical Equipment**

<b>First Year</b>	<b>04.03.2024 to 06.03.2024</b>	<b>09.00 AM to 05.00 PM</b>
-----------------------	-------------------------------------	---------------------------------

**TECHNICAL EXPERT**

**Dr. S. Atheena Milagi Pandian**

Founder & Managing Director

Atheenapandian Pvt. Ltd.

Courtallam, Tenkasi, Tamilnadu, India.

& Team



**Dr. R. Ezhilan**

Organizing Secretary  
Associate Professor / BME  
VMKVEC, Salem

**Mr. S. Mathankumar**

Programme Coordinator  
Associate Professor / BME  
VMKVEC, Salem

**Dr. D. Vinod Kumar**

Convener  
Professor & Head / BME  
VMKVEC, Salem

**Dr. R. Sasi Kumar**

Principal  
VMKVEC,  
Salem

# BIOMEDICAL TRAINER DETAILS

**Trainer Name** : Dr. S. ATHEENA MILAGI PANDIAN  
**Qualification** : B.E (Biomedical), M.E (Biomedical), PhD (Biomedical).  
**Corporate Experience** : 15 Years  
**Organizations** : Managing Director, ATHEENAPANDIAN Pvt Ltd



**Other Details:**

- Trained almost 5000 students globally.
- Giving placements to almost 1500 participants in Biomedical core Companies.
- Involved in research activities especially in product development of Ophthalmology.

**Trainer Name** : Ms. Rashika Murugan  
**Qualification** : B.E (Biomedical) M.E (Medical Electronics).  
**Corporate Experience** : 3 Years  
**Organizations** : ATHEENAPANDIAN Pvt Ltd



**Other Details:**

- Provide Training to more than 3500 students from Various Engineering Institutions.
- Provide 10 Biomedical Lectures to the Various Institutions.
- Involved in many FDP, Workshop and Internship activities in core companies.

**Trainer Name** : Mr.S.Mohammed Sahil  
**Qualification** : B.E (Biomedical).  
**Corporate Experience** : 2 Years  
**Organizations** : ATHEENAPANDIAN Pvt Ltd



**Other Details:**

- Provide Training to more than 2500 students from various engineering institutions.
- Provide 7 Biomedical Lectures to the Various Institutions.
- Involved in many FDP, Workshop, and Internship activities in core companies.

**Trainer Name** : Mr. M.Sudherson  
**Qualification** : B.E (Biomedical).  
**Corporate Experience** : 1 Year  
**Organizations** : ATHEENAPANDIAN Pvt Ltd



**Other Details:**

- Provide Training to more than 1500 students from various engineering institutions.
- Provide 3 Biomedical Lectures to the Various Institutions.
- Involved in many FDP, Workshop, and Internship activities in core companies.

**Trainer Name** : Mr. N. A. Hasan Mohyudeen  
**Qualification** : B.E (Biomedical).  
**Corporate Experience** : 1 Year  
**Organizations** : ATHEENAPANDIAN Pvt Ltd



**Other Details:**

- Provide Training to more than 500 students from various engineering institutions.
- Provide 3 Biomedical Lectures to the Various Institutions.
- Involved in many FDP, Workshop, and Internship activities in core companies.

# DAY WISE PLAN

Day	Equipments List	Duration (hrs)		
		Theory	Practical	Total
1	Introduction about Cardiology devices, Basic working mechanism, Application of Thermometer, Fetal Doppler, Lead system and ECG placements			
	Introduction about Critical care equipments, Basic Vital signs and its application of PMS, Drug delivery device such as Syringe pump, Infusion pump and its types	2	5	7
2	Introduction about Lung anatomy, Lung Diseases and Application of Respirometer, Basic introduction about CPAP machine and its parts and explanation, Sphygmomanometer and its types.			
	Basic introduction about ENT department, Demonstration about Ear anatomy, Larynx anatomy, Application of Otoscope, Hearing aid, Laryngoscope and its types, Stethoscope, Suction pump and its applications.	2	5	7
3	Introduction about Physiotherapy department, Respiratory devices, Demonstration, working principle of Pulse oximeter, Nebulizer, Oxygen concentrator and its applications, Application of TENS-4 channel machine and TENS stimulators.			
	Basic introduction about ENT department, Demonstration about Ear anatomy, Larynx anatomy, Application of Otoscope, Hearing aid, Laryngoscope and its types, Stethoscope and Suction pump applications.	2	5	7
Total		6	15	21

# **ATTENDANCE REPORT**

Medical Equipment Training –19/02/2024 to 22/02/2024

S.No	STUDENT NAME	Day 1		Day 2		Day 3		%
		FN	AN	FN	AN	FN	AN	
1	Manikanta.M	P	P	P	P	P	P	100%
2	V. Naveen Kumar	P	P	P	P	P	P	100%
3	Gokul. K	P	P	P	P	P	P	100%
4	Sanjay sr	P	P	P	P	P	P	100%
5	Saranya.s	P	P	P	P	P	P	100%
6	Bavani.G	P	P	P	P	P	P	100%
7	Bhuvaneshwari.s	P	P	P	P	P	P	100%
8	Navina D	P	P	P	P	P	P	100%
9	Ranjeetha M	P	P	P	P	P	P	100%
10	Sankaranarayanan.s	P	P	P	P	P	P	100%
11	Praveen Kumar S	P	P	P	P	P	P	100%
12	Samyuktha	P	P	P	P	P	P	100%
13	Nivethitha	P	P	P	P	P	P	100%
14	Thirumurugan	P	P	P	P	P	P	100%
15	Shajitha parveen. M	P	P	P	P	P	P	100%
16	Varshini.S	P	P	P	P	P	P	100%
17	Charles Methew Hyden . E	P	P	P	P	P	P	100%
18	Thamimun Ansari	P	P	P	P	P	P	100%
19	Harina P	P	P	P	P	P	P	100%
20	Janani	P	P	P	P	P	P	100%
21	Deepak A	P	P	P	P	P	P	100%
22	Ganesh k	P	P	P	P	P	P	100%
23	Kamina.k	P	P	P	P	P	P	100%
24	Archana.p	A	A	A	A	A	A	-
25	Arivu kadal.T	P	P	P	P	P	P	100%
26	Veerapandiyam.E	A	A	A	A	A	A	-



27	Sindhu Sri Raja	P	P	P	P	P	P	100%
28	Gayathri.B	P	P	P	P	P	P	100%
29	Aarthi.A	P	P	P	P	P	P	100%
30	Parameshwari.A	P	P	P	P	P	P	100%
31	Gowsalya.K	P	P	P	P	P	P	100%
32	Navin kumar	P	P	P	P	P	P	100%
33	HariharanT	P	P	P	P	P	P	100%
34	Ayyanar S	P	P	P	P	P	P	100%
35	Ravi Ranjan Kumar	P	P	P	P	P	P	100%
36	Padma priya E	P	P	P	P	P	P	100%
37	Thavalmathe S.D	P	P	P	P	P	P	100%
38	Kalpanarai.N	P	P	P	P	P	P	100%
39	Sri Rubadhas .P	P	P	P	P	P	P	75%
40	Ponnarasu D	P	P	P	P	P	P	100%
41	K.Ranjith	P	P	P	P	P	P	100%
42	S.Thenmozhi	P	P	P	P	P	P	100%
43	Vanisri B	P	P	P	P	P	P	100%
44	Manamalarselvi.K	P	P	P	P	P	P	100%
45	Gokul G	P	P	P	P	P	P	100%
46	M Rithish	P	P	P	P	P	P	100%
47	Karthik.A	P	P	P	P	P	P	100%
48	Kalijothi.k	P	P	P	P	P	P	100%
49	Mariyappan. T	P	P	P	P	P	P	100%
50	Kaviyarasan K	P	P	P	P	P	P	100%
51	Ramamoorthy.R	P	P	P	P	P	P	100%
52	Palraj K	P	P	P	P	P	P	100%
53	R.Nishanth	P	P	P	P	P	P	100%
54	Sanjay.s	P	P	P	P	P	P	100%
55	G. Raveen	P	P	P	P	P	P	100%
56	R. Sanjay Ramasaamy	P	P	P	P	P	P	100%

# **ASSESSMENT REPORT**

Medical Equipment Training – 04/03/2024 to 06/03/2024

I Year

S.No	STUDENT NAME	Day 1		Day 2		Day 3	
		Out Of 20	%	Out Of 20	%	Out Of 20	%
1	Manikanta.M	18	90%	15	75%	17	85%
2	V. Naveen Kumar	17	85%	16	80%	16	80%
3	Gokul. K	12	60%	14	70%	12	60%
4	Sanjay sr	17	85%	15	75%	13	65%
5	Saranya.s	16	80%	18	90%	18	90%
6	Bavani.G	13	65%	15	75%	13	65%
7	Bhuvaneshwari.s	4	20%	7	35%	15	75%
8	Navina D	19	95%	16	80%	18	90%
9	Ranjeetha M	19	95%	18	90%	17	85%
10	Sankaranarayanan.s	11	55%	17	85%	16	80%
11	Praveen Kumar S	18	90%	18	90%	17	85%
12	Samyuktha	18	90%	18	90%	16	80%
13	Nivethitha	13	65%	12	60%	12	60%
14	Thirumurugan	9	45%	8	40%	12	60%
15	Shajitha parveen. M	18	90%	18	90%	15	75%
16	Varshini.S	19	95%	16	80%	15	75%
17	Charles Methew Hyden . E	5	25%	9	45%	12	60%
18	Thamimun Ansari	13	65%	18	90%	16	80%
19	Harina P	11	55%	10	50%	12	60%
20	Janani	12	60%	15	75%	15	75%
21	Deepak A	10	20%	11	35%	12	60%
22	Ganesh k	10	50%	13	65%	15	75%
23	Kamina.k	9	45%	6	30%	12	60%
24	Archana.p	-	-	-	-	-	-
25	Arivu kadal.T	9	45%	7	35%	10	50%

26	Veerapandiyan.E	-	-	-	-	-	-
27	Sindhu Sri Raja	19	95%	15	75%	16	80%
28	Gayathri.B	16	80%	13	65%	12	60%
29	Aarthi.A	10	50%	14	70%	18	90%
30	Parameshwari.A	15	75%	12	60%	16	80%
31	Gowsalya.K	8	40%	7	35%	12	60%
32	Navin kumar	13	65%	10	50%	12	60%
33	HariharanT	4	20%	6	30%	12	60%
34	Ayyanar S	4	20%	8	40%	14	70%
35	Ravi Ranjan Kumar	17	85%	15	75%	16	80%
36	Padma priya E	16	80%	15	75%	18	90%
37	THAVALMATHE S.D	14	70%	18	90%	15	75%
38	Kalpanarai.N	15	75%	13	65%	17	85%
39	Sri Rubadhas .P	15	75%	18	90%	-	-
40	Ponnarasu D	7	35%	7	35%	7	35%
41	K.Ranjith	17	85%	15	75%	16	80%
42	S.Thenmozhi	16	80%	16	80%	15	75%
43	Vanisri B	18	90%	16	80%	14	70%
44	Manamalarselvi.K	19	95%	16	80%	18	90%
45	Gokul G	8	40%	9	45%	13	65%
46	M Rithish	14	70%	17	85%	15	75%
47	Karthik.A	12	60%	11	55%	11	55%
48	Kalijothi.k	3	15%	12	60%	14	70%
49	Mariyappan. T	16	80%	15	75%	17	85%
50	Kaviyarasan K	17	85%	16	80%	16	80%
51	Ramamoorthy.R	8	40%	8	40%	8	40%
52	Palraj K	14	70%	13	65%	13	65%
53	R.Nishanth	14	70%	12	60%	12	60%
54	Sanjay.s	11	55%	15	75%	16	80%
55	G. Raveen	12	60%	11	55%	11	55%
56	R. Sanjay Ramasaamy	15	75%	16	80%	15	75%

# OVER-ALL GRADING DETAILS

Medical Equipment Training – 04/03/2024 to 04/03/2024

I year

Grading Criteria					
<b>Attendance</b>	80to100%	60to80%	40to60%	40%	<40%
<b>Marks</b>	81to100	61to80	41to60	31to40	<=30
<b>Grade</b>	S	A	B	C	D

S.no	Name of the Student	Dept	Hands On Training					Total (Out Of 100)	Attendance	Grade
			Assessment (Out Of 50)	Attendance Weightage (Out of 15)	Concept Understanding (Out Of 15)	Innovative Thinking (Out Of 10)	Interaction (Out Of 10)			
1	Manikanta.M	BME	42	15	15	10	10	92	100%	S
2	V. Naveen Kumar	BME	41	15	15	10	10	91	100%	S
3	Gokul. K	BME	32	15	15	10	10	82	100%	S
4	Sanjay sr	BME	38	15	15	10	10	88	100%	S
5	Saranya.s	BME	44	15	15	10	10	94	100%	S
6	Bavani.G	BME	35	15	15	10	10	85	100%	S
7	Bhuvaneshwari.s	BME	22	15	15	10	10	72	100%	A
8	Navina D	BME	45	15	15	10	10	95	100%	S
9	Ranjeetha M	BME	45	15	15	10	10	95	100%	S
10	Sankaranarayanan.s	BME	37	15	15	10	10	87	100%	S
11	Praveen Kumar S	BME	45	15	15	10	10	85	100%	S
12	Samyuktha	BME	44	15	15	10	10	94	100%	S
13	Nivethitha	BME	31	15	15	10	10	81	100%	S
14	Thirumurugan	BME	25	15	15	10	10	75	100%	A

15	Shajitha parveen. M	BME	43	15	15	10	10	93	100%	S
16	Varshini.S	BME	42	15	15	10	10	92	100%	S
17	Charles Methew Hyden . E	BME	22	15	15	10	10	72	100%	A
18	Thamimun Ansari	BME	40	15	15	10	10	90	100%	S
19	Harina P	BME	28	15	15	10	10	78	100%	A
20	Janani	BME	35	15	15	10	10	85	100%	S
21	Deepak A	BME	28	15	15	10	10	78	100%	A
22	Ganesh k	BME	32	15	15	10	10	82	100%	S
23	Kamina.k	BME	23	15	15	10	10	73	100%	A
24	Archana.p	BME	-	-	-	-	-	-	-	-
25	Arivu kadal.T	BME	22	15	15	10	10	72	100%	A
26	Veerapandiyam.E	BME	-	-	-	-	-	-	-	-
27	Sindhu Sri Raja	BME	42	15	15	10	10	92	100%	S
28	Gayathri.B	BME	35	15	15	10	10	85	100%	S
29	Aarthi.A	BME	35	15	15	10	10	85	100%	S
30	Parameshwari.A	BME	36	15	15	10	10	86	100%	S
31	Gowsalya.K	BME	23	15	15	10	10	73	100%	A
32	Navin kumar	BME	30	15	15	10	10	80	100%	A
33	hariharanT	BME	19	15	15	10	10	69	100%	A
34	AYYANAR S	BME	22	15	15	10	10	72	100%	A
35	Ravi Ranjan Kumar	BME	40	15	15	10	10	90	100%	S
36	Padma priya E	BME	41	15	15	10	10	91	100%	S
37	Thavalmathe S.D	BME	40	15	15	10	10	90	100%	S
38	Kalpanarai.N	BME	38	15	15	10	10	88	100%	S
39	Sri Rubadhas .P	BME	43	15	15	10	10	93	100%	S
40	Ponnarasu D	BME	21	15	15	10	10	71	100%	A
41	K.Ranjith	BME	40	15	15	10	10	90	100%	S
42	S.Thenmozhi	BME	40	15	15	10	10	90	100%	S
43	Vanisri B	BME	40	15	15	10	10	90	100%	S
44	ManamalarSelvi.K	BME	45	15	15	10	10	95	100%	S
45	Gokul G	BME	25	15	15	10	10	75	100%	A

46	M Rithish	BME	39	15	15	10	10	89	100%	S
47	Karthik.A	BME	29	15	15	10	10	79	100%	A
48	Kalijothi.k	BME	25	15	15	10	10	75	100%	A
49	Mariyappan. T	BME	40	15	15	10	10	90	100%	S
50	Kaviyaran K	BME	41	15	15	10	10	91	100%	S
51	Ramamoorthy.R	BME	24	15	15	10	10	74	100%	A
52	Palraj K	BME	34	15	15	10	10	84	100%	S
53	R.Nishanth	BME	32	15	15	10	10	82	100%	S
54	Sanjay.s	BME	35	15	15	10	10	85	100%	S
55	G. Raveen	BME	29	15	15	10	10	79	100%	A
56	R. Sanjay Ramasaamy	BME	39	15	15	10	10	89	100%	S

# REPORT

MEDICAL CAMP-KNOW YOUR VITALS	
Date	02-03-2024
Day	Saturday
Time	10 am to 5.00 PM
Venue	Vinayaka Mission's Kirupananda Variyar Engineering College Salem
Number of students participated in such activities	150
Number of teachers participated in such activities	50
Number of Public participated in such activities	-

Department of Biomedical engineering, Vinayaka Mission's Kirupananda Variyar Engineering College and NSS Unit IV jointly organized medical camp- Know your vitals conducted at Vinayaka Missions Kirupananda Variyar engineering college campus. On the advice of Dr. R Sasikumar Principal, and Dr. M. Nithya, Vice Principal Vinayaka Mission's Kirupananda Variyar Engineering College, Salem, 150 students and 50 faculties participated in this program. Dr. S. Atheene pandian team checked the vital parameter to the staff and students. College principal, HODs, Faculties and students participated in this programme.



Principal, Faculties and students checked their vitals in the camp



VINAYAKA MISSION'S KIRUPANANDA  
**VARIYAR ENGINEERING  
COLLEGE**



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of Education Initiative)

# DEPARTMENT OF BIOMEDICAL ENGINEERING

&

# NATIONAL SERVICE SCHEME



Organizes

# “KNOW YOUR VITALS”

In association with



**Dr. S. Atheena Milagi Pandian**  
**Founder & Managing Director**  
**Atheena Pandian Pvt. Ltd.**  
**Chennai & Courtallam**  
**& Team**

## PARAMETERS TO BE CHECKED



BLOOD PRESSURE | BLOOD GLUCOSE | BMI

HEART RATE | PULSE RATE | SPO2 LEVEL

**MARCH | 2<sup>ND</sup> | 2024 | 9.30 A.M.**



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





VINAYAKA MISSION'S KIRUPANANDA  
VARIYAR ENGINEERING  
COLLEGE



INSTITUTION'S  
INNOVATION  
COUNCIL  
Ministry of Education, Government of India

# DEPARTMENT OF BIOMEDICAL ENGINEERING & NATIONAL SERVICE SCHEME



Organizes

## "KNOW YOUR VITALS"





VINAYAKA MISSION'S KIRUPANANDA  
**VARIYAR ENGINEERING  
 COLLEGE**



**INSTITUTION'S  
 INNOVATION  
 COUNCIL**  
 (Ministry of Education Initiative)

# DEPARTMENT OF BIOMEDICAL ENGINEERING & NATIONAL SERVICE SCHEME



Organizes

## “KNOW YOUR VITALS”



**02.03.2024 | 9.30 A.M.**



**VINAYAKA MISSION'S  
 RESEARCH FOUNDATION**

(Deemed to be University under section 3 of the UGC Act 1956)