



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)
(Accredited by NBA-AICTE, New Delhi, ISO 9001:2000 Certified Institution &
Accredited by NAAC with "A" Grade)

Madagadipet, Puducherry - 605 107



ACTIVITIES CONDUCTED BY

Department of Biomedical Engineering

In Association with



**Biomedical Engineering
Society of India**

FOR THE ACADEMIC YEAR (2022 – 2023)

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VISION MISSION

COLLEGE VISION AND MISSION

Vision

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society

Mission

M1: Quality Education

To provide comprehensive academic system that amalgamates the cutting edge technologies with best practices.

M2: Research and Innovation

To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.

M3: Employability and Entrepreneurship

To inculcate the employability and entrepreneurial skills through value and skill based training.

M4: Ethical Values

To instill deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.

DEPARTMENT VISION AND MISSION

Vision

To provide quality education in Biomedical Engineering focused on promoting continuous enrichment in the relevant research field and innovations in medical diagnosis for human healthcare.

Mission

M1: Medical science Engineering

To provide quality Biomedical Engineering education that integrates engineering principles with biomedical sciences.

M2: Research and Development

To develop Biomedical engineers to apply innovative strategies for the design and development of medical equipment.

M3: Industrial Intelligence

To incorporate novel technologies towards the healthcare industrial needs for medical applications and to become an entrepreneur.

M4: Ethical Responsibilities

To impart the desirable skill sets to become globally competent ethical professional.

ABOUT THE FORUM

About BMESI

The Biomedical Engineering Society of India (BMESI) is a professional society registered in Pune, Maharashtra in the year 1985. The society started with a group of eminent professors and researchers from all over India. Today, it has grown to have a total of 1300 life members and 61 institutional members. With the proliferation of healthcare, clinical engineering, and biomedicine, BMESI is poised to play a pivotal role in the healthcare field and thus in the nation-building process. The society collaborates with companies and institutions to organize conferences, workshops, webinars, hackathons, and student tours. In the future, BMESI will also associate with institutions for internship programs and industry-institution interaction meets. BMESI publishes a bimonthly newsletter named **ENGMEDNEWS**. The objectives of BMESI are:

- To encourage, promote, and advance interdisciplinary cooperation among scientists and engineers.
- To be recognized nationally as a high-quality, research-driven biomedical engineering body with excellence in both undergraduate and graduate education.

Vision

The vision of the Biomedical Engineering Society of India (BMESI) is to serve as the world's leading society of biomedical engineering professionals devoted to developing and using engineering and technology to advance human health and well-being. It aims to:

- Apply principles and tools from physical sciences and engineering to biology, physiology, and biomedicine;
- Translate knowledge and innovations to clinical engineering and healthcare;
- Train biomedical engineers to work effectively in a wide range of settings, from academia to industry;
- Advocate and disseminate biomedicine, clinical engineering, medical equipment, and healthcare awareness to the public.

Mission

The mission of BMESI is to build and support the biomedical engineering community locally and nationally, with activities designed to communicate recent advances in science and technology, discoveries, and inventions. It also aims to promote continuing education and professional development for biomedical professionals and integrate the perspectives of the academic, medical, governmental, and business sectors related to life sciences, healthcare, clinical engineering, biomedicine, drug discovery, and pharmaceuticals.

BMESI at SMVEC

The BMESI student chapter was inaugurated on 23.09.2020 in the presence of Dr. G. Muralidhar Bairy, Secretary of BMESI. Since then, with active student participation, various events have been conducted under the chapter. The chapter currently has 8 office bearers who successfully conduct all the events.



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**DEPARTMENT OF BIOMEDICAL ENGINEERING
BIOMEDICAL ENGINEERING SOCIETY OF INDIA (BMESI)
PROFESSIONAL BODY MEMBERS -OFFICE BEARERS**

Academic year 2022-2023

Faculty Advisor:

**Mr.R.Vignesh raj
Assistant Professor
Department of BME
Email ID: vigneshraj.bme@smvec.ac.in
Mobile: 9363444797**

Student Coordinators:

S. No	Name of the student	Member	Year / Sem / Batch	Email ID	Contact Number
1	J.John vianny	Convener	IV/ VII / 2019-2023	johnvianny@smvec.ac.in	9025551463
2	S.Rosy	Committee Members	IV/ VII / 2019-2023	rosy@smvec.ac.in	8870890106
3	G.Padmavathi		IV/ VII / 2019-2023	padmavathi@smvec.ac.in	9003463127
4	M.Hemachandran		III/ V / 2020-2024	hemachandran@smvec.ac.in	9384907649
5	M.Heera Rashmi		III/ V / 2020-2024	heerashmibme@smvec.ac.in	8072082771
6	R.Varsaa		II / III / 2021-2025	btechbme35@smvec.ac.in	9843559475
7	M.Medwin Devakumar		II / III / 2021-2025	btechbme22@smvec.ac.in	7094029057
8	A.Florida Alan		I / I / 2022-2026	btechbme221558@smvec.ac.in	9042903726

Circulars on Membership



BIOMEDICAL ENGINEERING SOCIETY OF INDIA

September 25, 2020.

Dr. G. Muralidhar Bairy
Secretary.

To,

Dr. A. Vijayalakshmi,
Professor and HOD, BME,
SMVEC, Puducherry.

Dear Madam,

Sub: BMESI Student's Membership (Annual) – Reg.
Ref: Your application dated- 23-09-2020.

The office of the *Biomedical Engineering Society of India (BMESI)* has accepted Student's applications (total 35) from Department of BME, Sri Manakula Vinayagar Engineering College, Puducherry, for the **Annual Student's Membership for the year 2020-21**. This Membership is valid up to **July 31, 2021 (Full Academic Year)**

BMESI Annual Individual Membership Number: SM 001 TO 035/2020- 21.

(Attested List is attached)

Please quote your Life Membership Number for all further official communications. The office has registered your above said contact address for all official communications. If there is change in your address, please convey this to the office of BMESI immediately.

Please find enclosed herewith receipt of membership-subscription amount.

Thank you for considering to be the Life Member of this society.

Hoping to serve you better.

Dr. G. Muralidhar Bairy

Secretary
Biomedical Engineering Society of India
Manipal Institute of Technology
Manipal - 576 104.

Address for communication:

Biomedical Engineering Society of India.
Dept. of Biomedical Engineering,
MIT, Manipal – 576 104.

E-mail: bmesiindia@gmail.com

Fax: 0820-2571071 .

Department of Biomedical Engineering, MIT., Manipal – 576 104
Home Page : www.bmesi.org.in E-mail : bmesi.mit@manipal.edu

Certifications



Biomedical Engineering Society of India

IM - 060

By Approval of the Executive Council has Admitted

Sri Manakula Vinayagar Engineering college, Puducherry.

as Institutional Member

of the Society, an organization for promoting the quality and standards in the field of Biomedical Engineering

Secretary
BMESI, India

Membership Details



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

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NAAC with "A" Grade)
(An Autonomous Institution)
(As per UGC Regulations 2018)



Madagadipet, Puducherry - 605 107

DEPARTMENT OF BIOMEDICAL ENGINEERING STUDENTS NAME LIST - ANNUAL MEMBERSHIP

Year/Semester: II/III

Batch: 2019-2023

S.No	Reg Number	Name of the student
1	19TJ0001	ABIRAMI.A
2	19TJ0002	ARUNA.M'
3	19TJ0003	ATHULYA PALORAN
4	19TJ0004	BAAVANA .S
5	19TJ0005	CINTHIA. B
6	19TJ0006	DEEPIKA. S
7	19TJ0007	DEVADARSHINI. S
8	19TJ0008	GUNA. K
9	19TJ0009	HARITHA. S
10	19TJ0010	ISWARYA. V
11	19TJ0011	JAGADESH. B
12	19TJ0012	JANANI. B
13	19TJ0013	JOHN VIANNY. J
14	19TJ0014	KALAI VINODHA. V
15	19TJ0015	KANIMOZHI. V
16	19TJ0016	KAVITHA. K
17	19TJ0017	KODESH. G
18	19TJ0018	LALITHA. M
19	19TJ0019	MOHAN.A
20	19TJ0020	NIDHARSHANA.G
21	19TJ0021	NISHA FARZAANA A
22	19TJ0022	PADMAVATHI. G
23	19TJ0023	PARAMESHWARI. B
24	19TJ0024	PAVITHRA. A
25	19TJ0025	PREM KUMAR. G
26	19TJ0026	PRIIRTHIKA SHRI
27	19TJ0027	RABIN. S
28	19TJ0028	RAMYAA SRI. S
29	19TJ0029	RAMYADASAN. S
30	19TJ0030	REOGAR. K
31	19TJ0031	ROSY. S
32	19TJ0032	SALMAN PARCEY. A
33	19TJ0033	SAYAD ISMAIL S.H.
34	19TJ0034	SHANTHINIA
35	19TJ0035	VISHNUVARTHAN. K

SM 001 / 2020-21

35 x 70
= 2450 +
1520. LM
= 3970

SM 035 / 2020-21

Payment: IDIBH20267298334 / 23.09.2020
[Indian Bank]

HOD
Dr.A.Vijayalakshmi

Secretary
Biomedical Engineering Society of India
Manipal Institute of Technology
Manipal - 576 104.

Consolidated Events list

Sl. No	Date	Name of the Event	Resource Person	No of students participated
1	07.06.2022	Opportunities and Relevance in the Medical Devices Industry	Mr. G.Poovannan	122
2	23.06.2022	Biomedical Instrumentation and Its Application	Mr. M.Balamurali	87
3	20.07.2022	Recent Trends in BioMEMS	Mr.G.Aswin Kumar Ms.G.Harini	39
4	12.08.2022	Career prospects and future aspects in the field of medical coding	Mr. Akshay and Mr. Poovanan	45
5	08.09.2022	Applications of Programmable devices in Biomedical Equipment	Mr.A.Aashiq Ahamed, VLSI Design Engineer and Chief Trainer, Bistate Systems, Puducherry	87
6	15.10.2022	Medical Analytics using Data Structures	Dr.T.Suresh, Annamalai University,	39
7	21.11.2022	Recent Trends in Biomedical Devices	Dr.S.Atheena Milagi Pandian, Founder and Managing Director, Atheenapandian Privated Limited.	142
8	14.12.2022	Physiological Control Systems	Dr.R.Renugadevi, Professor, Department of Biomedical Engineering, Saveetha Engineering College	48
9	03.01.2023	Bio Printing and Marketing	Mr. Jaggit Singh, Trim tab India Additive space technologies USA	35
10	01.02.2023	Role of Biomedical Engineering in Healthcare Applications	Mr. Vinayak Gudekar, Vice-President-Service, Schiller Healthcare Pvt. Ltd.	142

Events summary with photo

Details of the Activities conducted.

Sl. No	Date	Name of the Event	Resource Person	No of students participated
1	07.06.2022	Opportunities and Relevance in the Medical Devices Industry	Mr. G.Poovannan	122



Mr. G.Poovannan, a distinguished expert in the field of Biomedical Engineering, delivered an enlightening guest lecture to 122 students of the Biomedical Engineering department on 07.06.2022. The lecture focused on the pivotal role that Biomedical Engineering plays in revolutionizing healthcare applications. The expert skillfully elucidated the intersection of technology and healthcare, showcasing innovative solutions and breakthroughs.

Sl. No	Date	Name of the Event	Resource Person	No of students participated
2	23.06.2022	Biomedical Instrumentation and Its Application	Mr. M.Balamurali	87



Mr. M.Balamurali delivered an enlightening guest lecture to 87 students of the Biomedical Engineering Department on the intriguing subject of "Biomedical Instrumentation and Its Applications." On 23.06.2022, Students left the session with newfound enthusiasm and a broader perspective on the transformative role of biomedical instrumentation in shaping the future of healthcare.

Sl. No	Date	Name of the Event	Resource Person	No of students participated
3	20.07.2022	Recent Trends in BioMEMS	Mr.G.Aswin Kumar Ms.G.Harini	39



Mr.G.Aswin Kumar Ms.G.Harini, distinguished experts in the realm of BioMEMS, jointly graced the biomedical engineering department with their profound insights during a guest lecture. Addressing an audience of 39 students on 20.07.2022, the duo delved into the intricacies of "Recent Trends in BioMEMS." Their expertise and captivating presentation style left an indelible mark, inspiring the next generation of biomedical engineers to explore the limitless possibilities within the dynamic realm of BioMEMS.

Sl. No	Date	Name of the Event	Resource Person	No of students participated
4	12.08.2022	Career prospects and future aspects in the field of medical coding	Mr. Akshay and Mr. Poovanan	45



Mr. Akshay and Mr. Poovanan, distinguished professionals in the field of medical coding, delivered an enlightening guest lecture to 45 eager students of the Biomedical Engineering department on 12.08.2022. The lecture focused on the intricate nuances of medical coding. This engaging session provided the students with a comprehensive understanding of the opportunities that await them in the dynamic world of medical coding.

Sl. No	Date	Name of the Event	Resource Person	No of students participated
5	08.09.2022	Applications of Programmable devices in Biomedical Equipment	Mr.A.Aashiq Ahamed, VLSI Design Engineer and Chief Trainer, Bistate Systems, Puducherry	87



The Biomedical Engineering department hosted a guest lecture on the topic "Applications of Programmable Devices in Biomedical Equipment." On 08.09.2022. Mr. A. Aashiq Ahamed, a distinguished VLSI Design Engineer and Chief Trainer at Bistate Systems in Puducherry, expertly navigated through this cutting-edge topic. His expertise illuminated the symbiotic relationship between programmable devices and biomedical equipment, offering a profound understanding of their integration for innovative healthcare solutions.

Sl. No	Date	Name of the Event	Resource Person	No of students participated
6	15.10.2022	Medical Analytics using Data Structures	Dr.T.Suresh, Annamalai University,	39



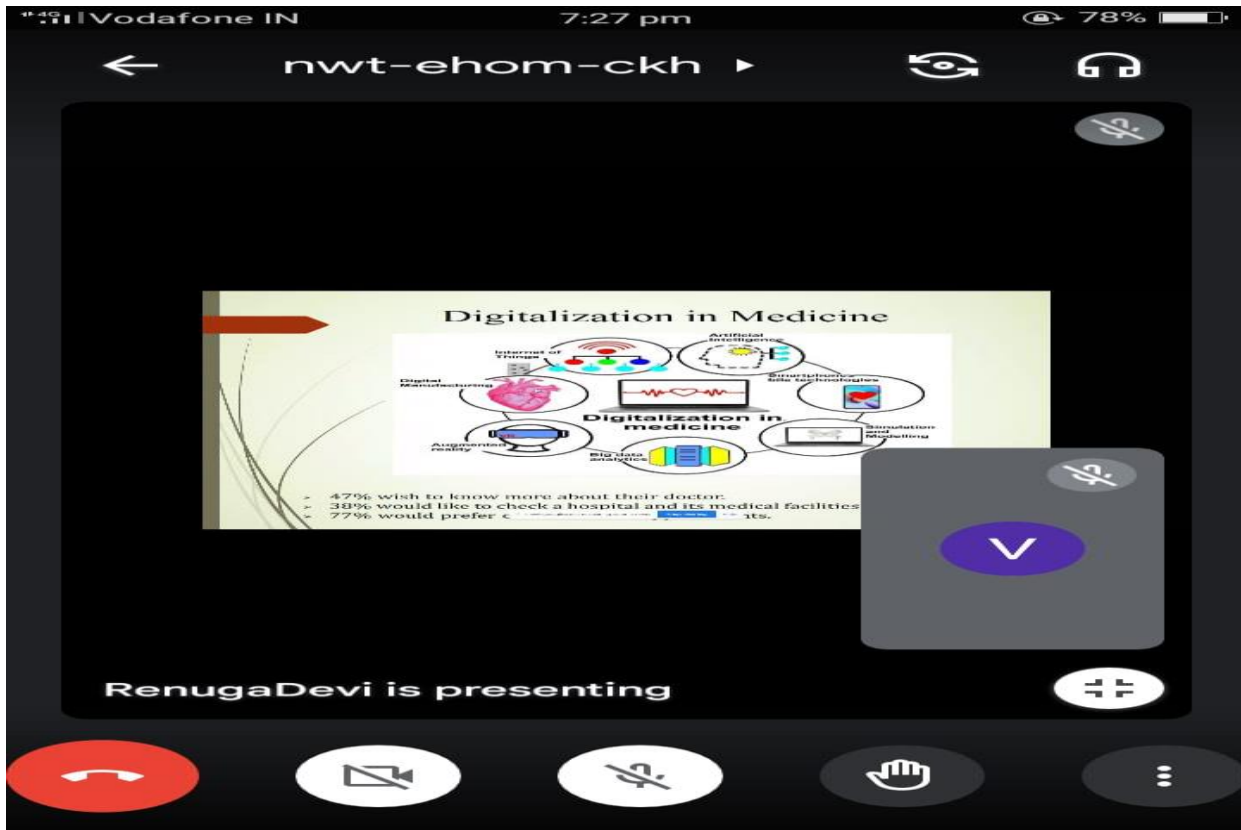
On the auspicious occasion of October 15, 2022, Dr. T. Suresh, a distinguished expert from Annamalai University, graced the Biomedical Engineering Department with an enlightening online guest lecture on the topic "Medical Analytics using Data Structures." The lecture not only broadened the intellectual horizons of the attendees but also ignited a newfound passion for the seamless integration of technology and healthcare.

Sl. No	Date	Name of the Event	Resource Person	No of students participated
7	21.11.2022	Recent Trends in Biomedical Devices	Dr.S.Atheena Milagi Pandian, Founder and Managing Director, Atheenapandian Privated Limited.	142



Dr. S. Atheena Milagi Pandian, Founder and Managing Director of Atheenapandian Private Limited, captivated 142 students of the Biomedical Engineering Department with an enlightening guest lecture on "Recent Trends in Biomedical Devices." on 21.11.2022. Dr. Pandian, a distinguished expert in the field, shared profound insights into cutting-edge advancements and innovations shaping the biomedical devices landscape.

Sl. No	Date	Name of the Event	Resource Person	No of students participated
8	14.12.2022	Physiological Control Systems	Dr.R.Renugadevi, Professor, Department of Biomedical Engineering, Saveetha Engineering College	48



Dr. R. Renugadevi, a distinguished Professor from the Department of Biomedical Engineering at Saveetha Engineering College, graced our institution with her expertise in a captivating guest lecture on "Physiological Control Systems." on 14.12.2022. The lecture, tailored for the 48 students of the Biomedical Engineering Department, unfolded a profound exploration into the intricate mechanisms governing physiological control.

Sl. No	Date	Name of the Event	Resource Person	No of students participated
9	03.01.2023	Bio Printing and Marketing	Mr. Jaggit Singh, Trim tab India Additive space technologies USA	35



Mr. Jaggit Singh, a distinguished expert from Trim Tab India Additive Space Technologies USA, graced the Biomedical Engineering Department with an enlightening guest lecture on the cutting-edge intersection of "Bio Printing and Marketing." Addressing a captivated audience of 35 students on 03.01.2023. The students, privileged to be part of this engaging session, gained a profound understanding of the synergies between bioprinting and marketing strategies, expanding their horizons in this rapidly evolving field.

Sl. No	Date	Name of the Event	Resource Person	No of students participated
11	01.02.2023	Role of Biomedical Engineering in Healthcare Applications	Mr. Vinayak Gudekar, Vice-President-Service, Schiller Healthcare Pvt. Ltd.	142



Mr. Vinayak Gudekar, Vice-President-Service at Schiller Healthcare Pvt. Ltd., graced the Biomedical Engineering Department with an insightful guest lecture. Addressing a captivated audience of 55 students on 01.02.2023, Mr. Gudekar delved into the profound "Role of Biomedical Engineering in Healthcare Applications." The lecture, a harmonious blend of expertise and engagement, left an indelible mark on the eager minds of the students, inspiring them to embark on their own journeys within the dynamic realm of biomedical engineering.

R.Vignesh Raj
Convener

Dr.A.Vijayalakshmi
HOD/BME

Dr.V.S.K.Venkatachalapathy
Director cum Principal