



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)



ACTIVITIES CONDUCTED BY

Department of Biomedical Engineering

In Association with



**Biomedical Engineering
Society of India**

FOR THE ACADEMIC YEAR (2023 – 2024)

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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 18 office bearers who successfully conduct all the events.



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)

Puducherry - 605 107

**DEPARTMENT OF BIOMEDICAL ENGINEERING
BIOMEDICAL ENGINEERING SOCIETY OF INDIA (BMESI)
PROFESSIONAL BODY MEMBERS
Academic year 2023-2024**

Faculty Advisor:

Mr. A.V. SRINATH
Assistant Professor
Department of BME
Email ID: srinath.bme@smvec.ac.in
Mobile: 9965969226

Student Coordinators:

S. No	Name of the student	Member	Year / Sem / Batch	Email ID	Contact Number
1	M.Hemachandran	Convener	IV/ VII / 2020-2024	hemachandran@smvec.ac.in	9384907649
2	M.Heera Rashmi	Committee Members	IV /VII / 2020-2024	heerashmibme@smvec.ac.in	8072082771
3	R. Varsaa		III / V / 2021-2025	btechbme35@smvec.ac.in	9843559475
4	M.Medwin Devakumar		III / V / 2021-2025	btechbme22@smvec.ac.in	7094029057
5	V.Aiswarya		III / V / 2021-2025	btechbme02@smvec.ac.in	7639578838
6	S.Khiruba Lakshmi		III / V / 2021-2025	btechbme19@smvec.ac.in	6379498402
7	V.Jeevapriya		II / III / 2022-2026	btechbme221470@smvec.ac.in	9791630429
8	A.Florida Alan		II / III / 2022-2026	btechbme221558@smvec.ac.in	9042903726
9	P.Dineshkumar		I / I / 2023-2027	dk229250@gmail.com	9345606443
10	Kavipriya		I / I / 2023-2027	kavipriyakamalakannan@gmail.com	9489608142

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

(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)
(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	PRIRTHIKA 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	SHANTHINI.A
35	19TJ0035	VISHNUVARTHAN. K

SM001/2020-21

35 x 70
= 2450 +
.1520. LM
= 3970

SM035/2020-21

Payment: IDIBH20267298334 | 23.09.2020

[Indian Bank]

G. Baijap

HOD
Dr.A.Vijayalakshmi

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

CONSOLIDATED EVENTS LIST

S.No	Date	Title	Name of the Resource Person	Details of the Resource person	Students Attended
1	10.02.2024	Diagnostic Equipment and its Applications	Er.V.Sivaraman BMESI	Biomedical Engineer from BIOHOS Medical Equipment Manufacturers, Chidambaram	39
2	04.03.2024	Webinar on “Student Orientation on MAT LAB”	Ms.Niveitha MohanKumar BMESI	Customer Success Specialist, ARK Info Solutions, MathWorksTeam, Chennai	142
3	15.03.2024	“Future Scope in Biomedical Engineering”	Er.A.Shanthini BMESI	Genie Solutions, Bangalore	87
4	16.03.2024	Webinar on “Biosensors Evolution in health care”	Er.N.Aparna BMESI	Trainer, Atheena Pandian Private Limited, Tenkasi	87
5	28.03.2024	Contemporary Progress in Bioinformatics and Computational Genomics	Er.Priscilla BMESI	Queen’s University Belfast, United Kingdom	188
6	01.04.2024	Role of Technology in Public Services	Dr.BiswaprakeshKar BMESI	Senior Consultant, Palladium,	133
7	05.04.2024	Medical Scribing Training Programme	Dr.P.Rajarajeswari BMESI	Team Manager from OFFICE GENIE SOLUTIONS Bengaluru,	85

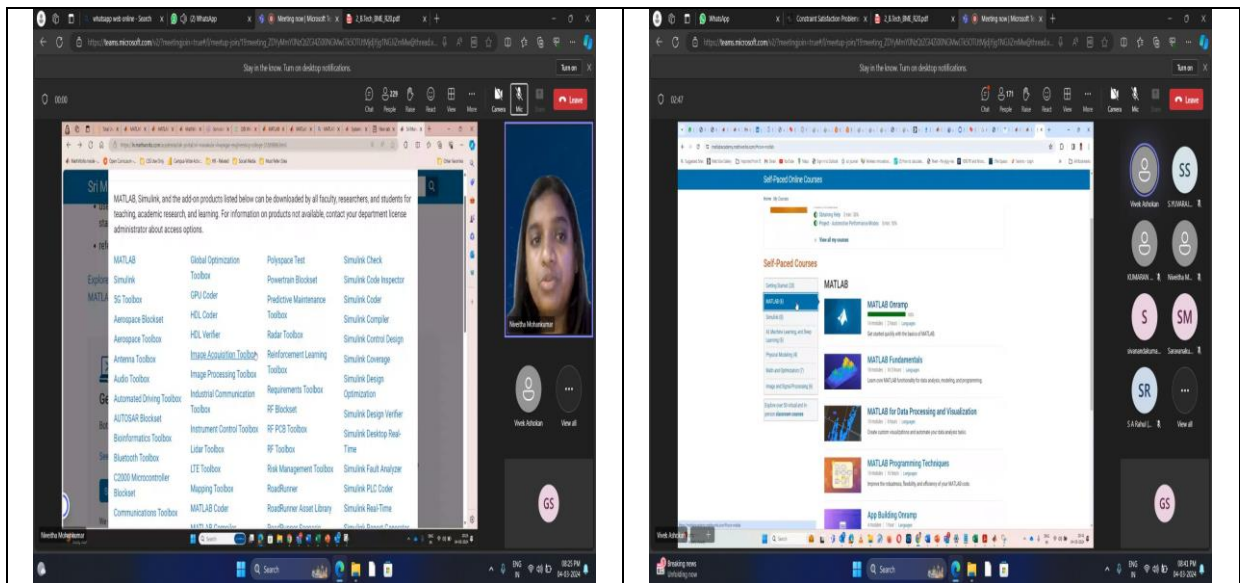
EVENTS SUMMARY WITH PHOTO

S.No	Date	Title	Name of the Resource Person	Details of the Resource person	Students Attended
1	10.02.2024	Diagnostic Equipment and its Applications	Er.V.Sivaraman	Biomedical Engineer from BIOHOS Medical Equipment Manufacturers, Chidambaram	39



Er. V. Sivaraman, Biomedical Engineer from BIOHOS Medical Equipment Manufacturers, Chidambaram, shared his expert insights on **“Diagnostic Equipment and Its Applications”** on **10.02.2024**. He explained the working principles, clinical significance, and real-time applications of modern diagnostic devices, emphasizing their role in accurate disease detection, patient safety, and improved healthcare outcomes through technological advancements.

S.No	Date	Title	Name of the Resource Person	Details of the Resource person	Students Attended
2	04.03.2024	Webinar on “Student Orientation on MAT LAB”	Ms.Niveitha MohanKumar	Customer Success Specialist, ARK Info Solutions, MathWorksTeam, Chennai	142



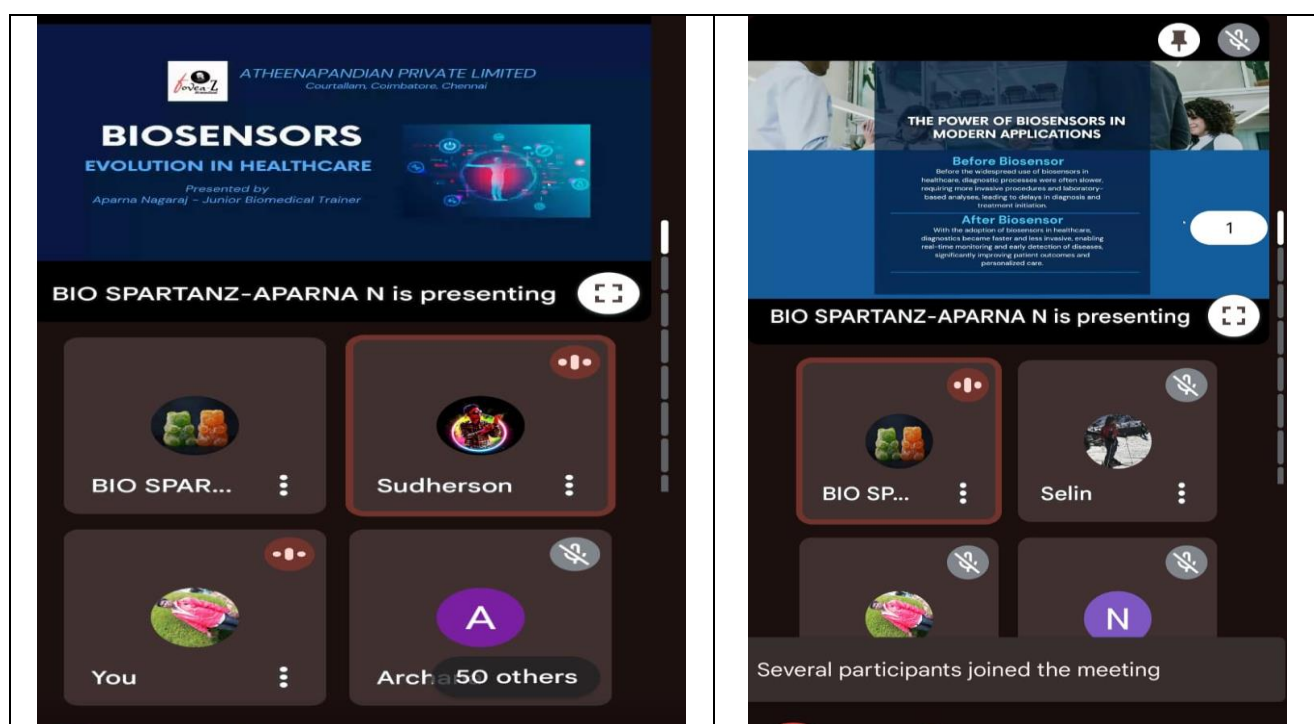
Ms. Niveitha Mohan Kumar, Customer Success Specialist at ARK Info Solutions, MathWorks Team, delivered a webinar on **“Student Orientation on MATLAB”** on **04.03.2024**. The session introduced students to MATLAB fundamentals, interface navigation, and core programming concepts. She demonstrated practical applications in engineering analysis, data visualization, simulation, and algorithm development. The webinar emphasized MATLAB’s role in problem-solving, project work, and industry-relevant skill development, helping students build confidence and readiness for academic research and real-world engineering challenges.

S.No	Date	Title	Name of the Resource Person	Details of the Resource person	Students Attended
3	15.03.2024	“Future Scope in Biomedical Engineering”	Er.A.Shanthini	Genie Solutions, Bangalore	87



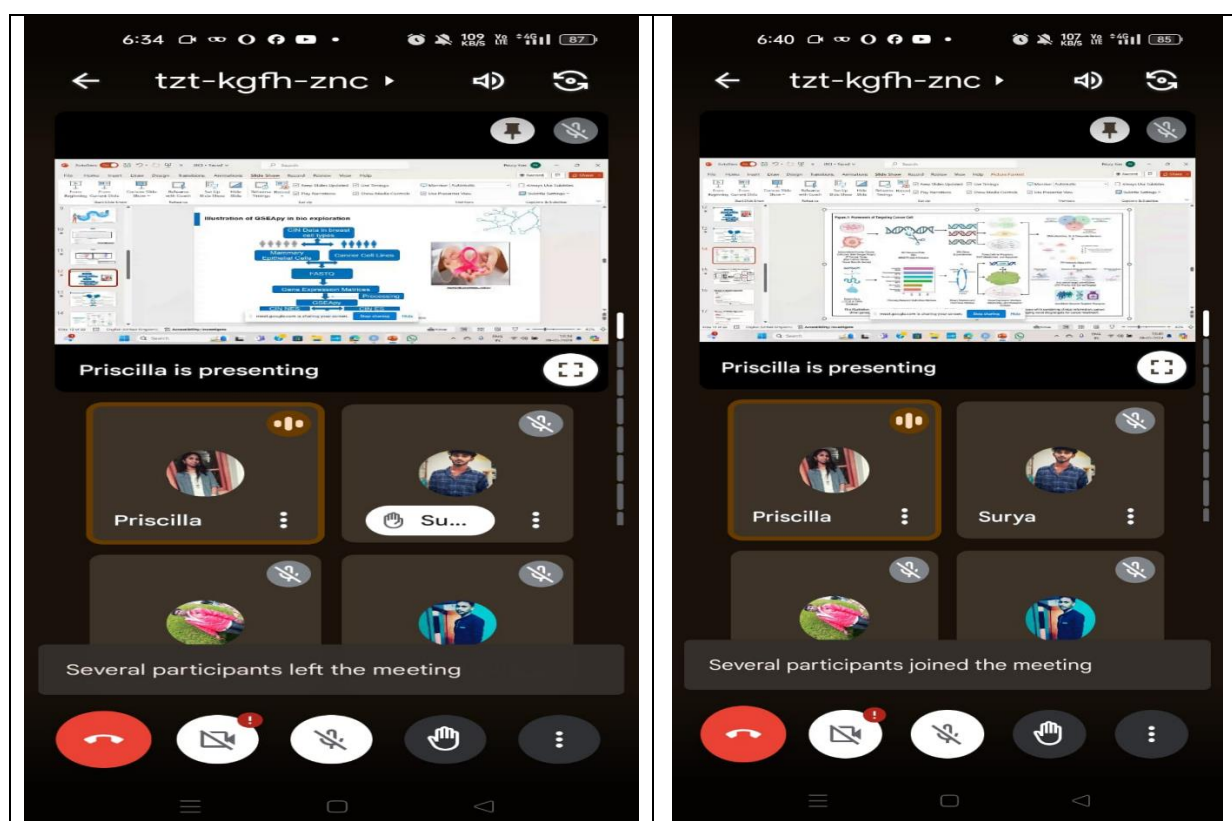
Er. A. Shanthini from Gene Solutions, Bangalore, delivered an informative talk on **“Future Scope in Biomedical Engineering”** on **15.03.2024**. The session provided a detailed overview of emerging career opportunities available to biomedical engineers in the current healthcare ecosystem. She discussed roles such as medical scribing, medical transcription, clinical data management, and allied healthcare services. The talk highlighted evolving industry demands, essential technical and soft skills, and the importance of interdisciplinary knowledge. Students gained clarity on career planning, future growth prospects, and the expanding global opportunities within the biomedical engineering domain.

S.No	Date	Title	Name of the Resource Person	Details of the Resource person	Students Attended
4	16.03.2024	Webinar on “Biosensors Evolution in health care”	Er.N.Aparna	Trainer,Atheena Pandian Private Limited, Tenkasi	87



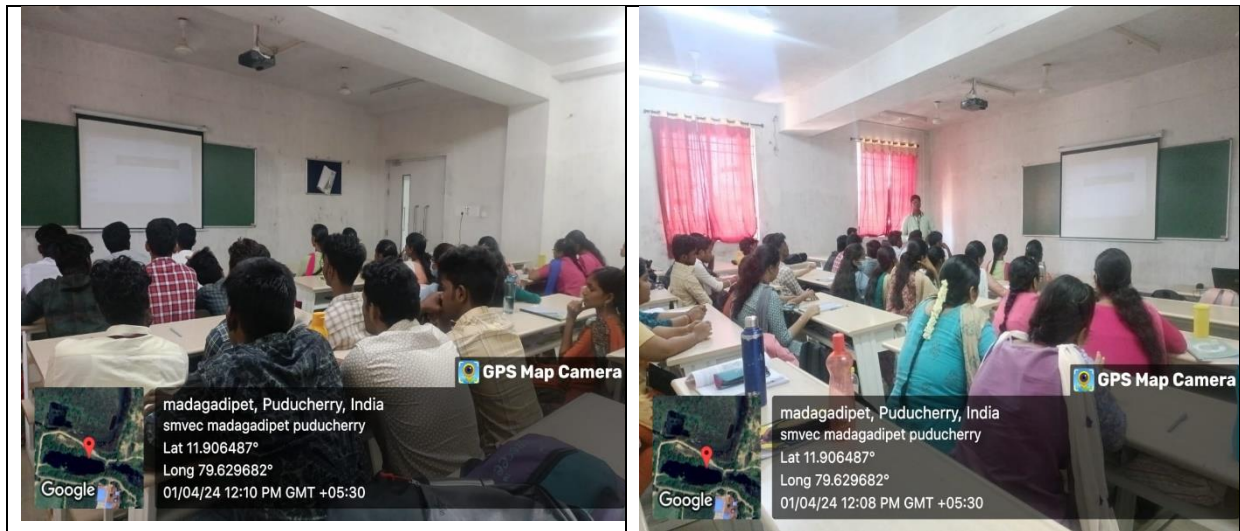
Er. N. Aparna, Trainer at Atheena Pandian Private Limited, Tenkasi, shared her perspectives on “**Biosensors Evolution in Healthcare**” on **16.03.2024**. The session traced the evolution of biosensor technologies from conventional sensing methods to advanced smart and wearable biosensors. She explained their critical applications in disease diagnosis, continuous patient monitoring, and point-of-care testing. The talk highlighted how biosensors improve diagnostic accuracy, operational efficiency, and enable personalized healthcare solutions. Participants gained insights into current trends, technological challenges, and the future potential of biosensors in modern medical and healthcare systems.

S.No	Date	Title	Name of the Resource Person	Details of the Resource person	Students Attended
5	28.03.2024	Contemporary Progress in Bioinformatics and Computational Genomics	Er.Priscilla	Queen's University Belfast, United Kingdom	188



Er. Priscilla from Queen's University Belfast, United Kingdom, delivered a guest lecture on **“Contemporary Progress in Bioinformatics and Computational Genomics”** on **26.03.2024**. The session provided an in-depth overview of recent advancements in bioinformatics tools, computational genomics methods, and high-throughput data analysis techniques. She explained how these technologies support precision medicine, genomic data interpretation, and personalized treatment strategies. The lecture emphasized the role of data-driven research in understanding complex diseases, drug discovery, and clinical decision-making. Participants gained valuable insights into interdisciplinary applications, emerging trends, and career opportunities in bioinformatics and computational genomics within modern healthcare and biomedical research.

S.No	Date	Title	Name of the Resource Person	Details of the Resource person	Students Attended
6	01.04.2024	Role of Technology in Public Services	Dr.BiswaprakeshKar	Senior Consultant, Palladium,	133




Dr. Biswaprakesh Kar, Senior Consultant at Palladium, delivered a webinar on **“Role of Technology in Public Services”** on **01.04.2024** as part of the Education Transformation Initiative. The session explored the transformative impact of digital technologies on public sector governance and administration. He explained how e-governance platforms, data analytics, and digital tools improve service delivery efficiency, transparency, and accountability. The webinar also highlighted the role of technology in enhancing citizen engagement, enabling informed decision-making, and supporting inclusive development. Participants gained valuable insights into policy implementation, technology-driven reforms, and the future of smart, responsive public service systems.

S.No	Date	Title	Name of the Resource Person	Details of the Resource person	Students Attended
7	05.04.2024	Medical Scribing Training Programme	Dr.P.Rajarajeswari	Team Manager from OFFICE GENIE SOLUTIONS Bengaluru,	85



Dr. P. Rajarajeswari, Team Manager at Office Genie Solutions, Bengaluru, conducted an impactful session on the “**Medical Scribing Training Programme**” on **05.04.2024**. The session provided a comprehensive overview of medical scribing roles, responsibilities, and industry expectations. She explained how biomedical engineers can build careers in managing patient electronic health records through accurate, real-time clinical documentation. The talk emphasized workflow efficiency, physician support, data accuracy, and compliance with healthcare standards. Participants gained clear insights into emerging job opportunities, required skill sets, and the increasing demand for trained professionals in digital and technology-driven healthcare environments.


Dr.A.V.Srinath
 Convener


Dr.A.Vijayalakshmi
 HOD/BME


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