



ERODE SENGUNTHAR ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)



PERUNDURAI, ERODE - 638 057



Department of Biomedical Engineering

9th BOARD OF STUDIES MEETING

8th May 2025 @ 10.00 a.m.

ZOOM MEET

Link:

<https://us06web.zoom.us/j/82535216067?pwd=Z3QunxrLtz0a2QLhZV7VFn4alSQtTw.1>



DEPARTMENT OF BIOMEDICAL ENGINEERING

09th Board of Studies Meeting

Mode: Through Online (Zoom Meet Link:

<https://us06web.zoom.us/j/82535216067?pwd=Z3QunxrLtg0a2QLhZV7VFn4alSQtTw.1>

Date & Time: 08.05.2025 – 10.00 AM

AGENDA

The 09th Board of Studies Meeting is convened to get the approval for the Curriculum for all the Semesters Syllabus of VI & VIII semesters and Syllabus of Professional Elective & Open Elective under the Regulations 2023.

BoS /BME 9.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the department of Biomedical Engineering
BoS /BME 9.2	:	Confirmation of the 8th Board of Studies Meeting Minutes of the Department of Biomedical Engineering and Action taken report of 8th Board of Studies meeting.
BoS /BME 9.3	:	To consider and approve the curriculum: I to VIII Semester for B.E. BME Programme offered under Regulation 2023.
BoS /BME9.4	:	To consider and approve the Syllabi: VII and VIII Semester courses for B.E. BME Programme offered under Regulation 2023.
BoS /BME 9.5	:	To consider and approve the Syllabi: Professional Elective Subjects &Open Electives courses for B.E. BME Programme offered under Regulation 2023.
BoS /BME 9.6	:	Replacing the course “Problem Solving and Python Programming” with “Python Programming & AI” for the students admitted in the year 2025-26 for the B.E. Biomedical Engineering offered under Regulations 2023.
BoS /BME 9.7	:	Adding Video link of NPTEL course in reference of all the courses under regulations 2023
BoS /BME9.8	:	Inclusion of Industry oriented subject in 5th semester B.E. Biomedical Engineering Programme offered under Regulations 2023.

BoS BME 9.9	:	Any other Matters
BoS /BME9.10	:	Approval of list of external examiners for the valuation.
	:	Any other items

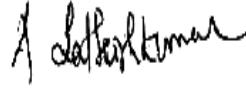
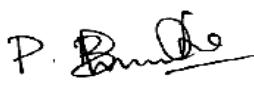
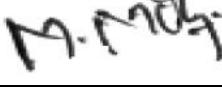
DEPARTMENT OF BIOMEDICAL ENGINEERING

MINUTES OF THE MEETING

The 09^h Board of Studies meeting of Department of Biomedical Engineering was held on 08th May 2025 at 10.00 a.m. through online.

1. The following members were present:

1	Dr. B.Saritha, Associate Professor & Head Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai.	Chairman
2	Dr.G.Thirugnanam, Professor, Department of Electronics and Communication Engineering, Government College of Technology, Thadagam Main Rd, Coimbatore – 641 013.	University Nominee
3	Dr. N. Sivakumaran, Professor, Dept. of Instrumentation and Control Engineering National Institute of Technology Trichy – 620015	Academic Experts
4	Dr. D. K. Ravish, Associate Professor, Department of Medical Electronics, Dr. Ambedkar Institute of Technology, Malathahalli, Bangalore – 560 056	
5	Mr. A. Shankar, Manager, Medical and Health Service – Auditor, TÜV SÜD South Asia, 1st & 4th Floor, No: 11 & 13, Origin Towers- Type 2, Dr. Vikram Sarabhai Instronic Estate (VSI Estate), Thiruvanmiyur, Chennai – 600041	Representative from Industry / Corporate Sector
6	Mr.K. Prathap, Service Engineer, Ababil Healthcare Pvt, Ltd, Plot no.20, KVT Garden phase - III, V S Mani Nagar, Madhavaram, Chennai – 600 060	Meritorious Alumnus nominated by the Principal

7	Dr.A.Sathish Kumar, Professor / BME Erode Sengunthar Engineering College, Perundurai	
8	Dr.G.S.Satheesh Kumar, Associate Professor / BME Erode Sengunthar Engineering College, Perundurai	
9	Dr.P.Brindha, Associate Professor / BME Erode Sengunthar Engineering College, Perundurai	
10	Mr. K. Balasubramanian, Assistant Professor / BME Erode Sengunthar Engineering College, Perundurai	
11	Mrs. M. Dhivya, Assistant Professor / BME Erode Sengunthar Engineering College, Perundurai	
12	Ms. M. Mohanavalli, Assistant Professor / BME Erode Sengunthar Engineering College, Perundurai	
13	Mrs. K. K. Leka, Assistant Professor / BME Erode Sengunthar Engineering College, Perundurai	
14	Ms. N.Ageela, Assistant Professor / BME Erode Sengunthar Engineering College, Perundurai	

Minutes of the Meeting

BoS / BME 9.1	:	WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF BIOMEDICAL ENGINEERING.
		The Chairman, BOS of the Biomedical Engineering welcomed the members of Board of Studies and thanked each of them for spending their valuable time to attend the meeting.
BoS / BME 9.2	:	CONFIRMATION OF THE 8TH BOARD OF STUDIES MEETING MINUTES OF THE DEPARTMENT OF BIOMEDICAL ENGINEERING AND ACTION TAKEN REPORT OF 8TH BOARD OF STUDIES MEETING.
		The Chairman, BOS of the Biomedical Engineering briefed about the changes made in the Regulation 2023 Semester I to VIII curriculum and syllabus through Minutes of Meeting and Action taken report of the 08 th Board of Studies Meeting.
BoS / BME 9.3	:	TO CONSIDER AND APPROVE THE CURRICULUM: I TO VIII SEMESTER FOR B.E. BME PROGRAMME OFFERED UNDER REGULATION 2023.
		The Chairman, BOS of the Biomedical Engineering presented the R2023 Curriculum of all semesters B.E. Biomedical Engineering to the Board of Studies members. BOS members reviewed and approved the same.
BoS / BME 9.4	:	TO CONSIDER AND APPROVE THE SYLLABI: VII AND VIII SEMESTER COURSES FOR B.E. BME PROGRAMME OFFERED UNDER REGULATION 2023.
BoS / BME 9.5		The Chairman, BOS of the Biomedical Engineering presented the R2023 Syllabi of VII AND VIII semesters B.E. Biomedical Engineering to the Board of Studies members. The BoS members suggested the following: <ol style="list-style-type: none"> 1. Mr. A. Shankar, Manager/Medical and Health Service – Auditor, Chennai suggested to include applications or implementation part as Unit V in “23BM503- Artificial Intelligence and Machine Learning in Medicines “and mainly to include CNN application.

	<p>2. Mr. A. Shankar, Manager/Medical and Health Service – Auditor, Chennai suggested to include recent book publications in “23BMX17-Rehabilitation Engineering”.</p> <p>3. Dr.D.K.Ravish, Associate Professor / ME / Dr.AIT / Bangaluru, Suggested to map PO1 to PO5 as strong mapping with COPO justification in “23BMX19-Physiological Modeling”.</p> <p>4. Dr.D.K.Ravish, Associate Professor / ME / Dr.AIT / Bangaluru, suggested to include personal health information data analytics in healthcare and also to add US & FDA accreditation information in “23BMX07- Health Care Information Systems”.</p> <p>5. Dr.D.K.Ravish, Associate Professor / ME / Dr.AIT / Bangaluru, suggested to add introduction to network layers& network data in the first unit of “23BMX42-Wearable Devices”.</p> <p>6. Dr.D.K.Ravish, Associate Professor / ME / Dr.AIT / Bangaluru, suggested to organize the units in “23BMX43-Body Area Networks”.</p> <p>7. Mr. A. Shankar, Manager/Medical and Health Service – Auditor, Chennai suggested to slightly modify UNIT IV in AR &VR in Healthcare and also Dr.D.K.Ravish, Associate Professor / ME / Dr.AIT / Bangaluru, suggested to include VR application in medicine in UNIT V of “23BMX44- Virtual Reality and Augmented Reality in Healthcare”.</p> <p>8. Mr. A. Shankar, Manager/Medical and Health Service – Auditor, Chennai Suggested to change wireless & mobile telehealth in telehealth technology and also add more new technology related to telehealth in “23BMX45- Telehealth Technology”.</p> <p>For the remaining subjects BOS members reviewed and approved the same.</p>
BoS / BME 9.6	<p>REPLACING THE COURSE “PROBLEM SOLVING AND PYTHON PROGRAMMING” WITH “PYTHON PROGRAMMING WITH AI” FOR THE STUDENTS ADMITTED IN THE YEAR 2025-26 FOR THE B.E. BIOMEDICAL ENGINEERING OFFERED UNDER REGULATIONS 2023.</p> <p>Dr.D.K.Ravish, Associate Professor / ME / Dr.AIT / Bangaluru, suggested incorporating AI with Python and also suggest modifying Unit V syllabus.</p>

BoS / BME 9.7	<p>ADDING VIDEO LINK OF NPTEL COURSE IN REFERENCE OF ALL THE COURSES UNDER REGULATIONS 2023.</p> <p>NPTEL course references added in all the courses under regulations 2023.</p>
BoS / BME 9.8	<p>INCLUSION OF INDUSTRY ORIENTED SUBJECT IN 5TH SEMESTER B.E. BIOMEDICAL ENGINEERING PROGRAMME OFFERED UNDER REGULATIONS 2023.</p> <p>BOS members reviewed and approved the Industry Oriented Subject in 5th Semester curriculum-“Industry 4.0 with Industrial IoT”.</p>
BoS / BME 9.9	Any other Matters
BoS / BME 9.10	<p>: VOTE OF THANKS</p> <p>❖ DrB.Saitha, Associate Professor / BME, proposed the vote of thanks for the 9th BoS meeting conducted on 08.05.2025. He thanked everyone for their valuable presence over online mode and for their valuable suggestions to improve the curriculum and syllabi of B.E. Biomedical Engineering.</p>



CHAIRMAN
BOARD OF STUDIES

Department of Biomedical Engineering

The 09th Board of studies meeting held on 08.05.2024 through the following link:

Zoom Meet online link:

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Snapshots of Meeting

