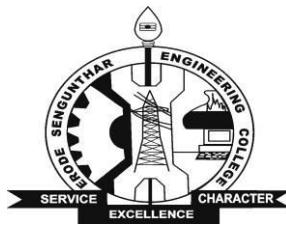


# **ERODE SENGUNTHAR ENGINEERING COLLEGE**

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

**PERUNDURAI, ERODE - 638 057**



## **Department of Biomedical Engineering**

### **5<sup>th</sup> BOARD OF STUDIES MEETING**

**20<sup>th</sup> July 2022 @ 04.00 p.m.**

**GOOGLE ONLINE MEET**

**Link: <https://meet.google.com/wax-hxdu-hqe>**



# ERODE SENGUNTHAR ENGINEERING COLLEGE, PERUNDURAI - 638057

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



## DEPARTMENT OF BIOMEDICAL ENGINEERING

### **05<sup>th</sup> Board of Studies Meeting**

**Mode: Through Online (Meeting Link: <https://meet.google.com/wax-hxdu-hqe>)**

Date & Time: 20.07.2022 & 04.00 p.m.

### **AGENDA**

The 05th Board of Studies Meeting is convened to get the approval for the Curriculum and Syllabi for all the Semesters, Professional Electives, Open Electives offered by Biomedical Engineering and NPTEL Courses.

BoS / BME 5.1	<b>Welcome address</b> and Opening Remarks by Chairman, Board of studies in the department of Biomedical Engineering.
BoS / BME 5.2	Confirmation of the 4 <sup>th</sup> Board of Studies Meeting Minutes of the Department of Biomedical Engineering and Action taken report of 4 <sup>th</sup> Board of Studies meeting.
BoS / BME 5.3	To consider and approve the changes incorporated in R-2019 from 2019 – 2023 batch compared to 2020 – 2024 batch for <b>B.E. BME Programme</b> .
BoS / BME 5.4	To consider and approve the Syllabi of courses offered to other departments for <b>B.E. BME Programme</b> .
BoS / BME 5.5	To claim credits of 8 Weeks & 12 weeks NPTEL online course for <b>B.E. BME Programme</b>
BoS / BME 5.6	Discussion to Innovative Teaching / Learning and Assessment methods of External Member's Institution.
BoS / BME 5.7	Discussion to Best Practices followed in External Member's Institution.
BoS / BME 5.8	Suggestion for New Curriculum and Syllabi for New Regulation 2022 (R-2022)
BoS / BME 5.9	Any other Matter
BoS / BME 5.10	Vote of Thanks

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### MINUTES OF THE MEETING

The 05th Board of Studies meeting of Department of Biomedical Engineering was held on 20th July 2022 at 04.00 p.m. through online.

1. The following members were present:

1	<b>Dr. G. S. Satheesh Kumar,</b> Associate Professor & Head Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai.	Chairman
2	<b>Dr. V. Venkatachalam</b> Principal, Erode Sengunthar Engineering College, Perundurai.	Member
3	<b>Dr. R. Kalaivani,</b> Professor, Department of Electronics and Communication Engineering, Erode Sengunthar Engineering College, Perundurai.	Member
4	<b>Dr. M. Ramasubba Reddy,</b> Professor, Department of Applied Mechanics, Indian Institute of Technology, Chennai	University Nominee
5	<b>Dr. J. Krishnan,</b> Professor, Department of Instrumentation Engineering, Annamalai University, Chidambaram, Cuddalore District.	Academic Experts
6	<b>Dr. P. Manimegalai,</b> Associate Professor, Department of Biomedical Engineering, School of Engineering and Technology, Karunya Institute of Technology and Sciences, Coimbatore.	
7	<b>Mr. V. Angappa,</b> Managing Director, Mega Tech Scientific Instruments, 70, Rajunaidu Street, Sivanandha Colony, Coimbatore.	Industry Expert
8	<b>Dr. A. Sathish Kumar,</b> Professor / BME Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai.	Internal Members
9	<b>Mr. K. Balasubramanian,</b> Assistant Professor / BME, Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai	

10	<b>Mr. R.Shankar,</b> Assistant Professor / BME, Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai	Internal Members
11	<b>Mrs. T.Yamuna,</b> Assistant Professor / BME, Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai	
12	<b>Mrs. M. Divya,</b> Assistant Professor / BME, Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai	
13	<b>Mrs. K.K.Leka,</b> Assistant Professor / BME Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai	
14	<b>Ms. M.Mohanavalli,</b> Assistant Professor / BME Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai	
15	<b>Ms. N.Ageela,</b> Assistant Professor / BME Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai	

BoS / BME 5.1	: <b>WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF BIOMEDICAL ENGINEERING.</b>
	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 5.2	: <b>CONFIRMATION OF THE 04<sup>th</sup> BOARD OF STUDIES MEETING MINUTES OF THE DEPARTMENT OF BIOMEDICAL ENGINEERING AND ACTION TAKEN REPORT OF 04<sup>th</sup> BOARD OF STUDIES MEETING.</b>
	The Chairman, BOS of the Biomedical Engineering briefed about the changes made in the Regulation 2019 Semester I to VIII syllabus through Meeting Minutes and Action taken report of the 04 <sup>th</sup> Board of Studies Meeting.

BoS / BME 5.3	: <p><b>TO CONSIDER AND APPROVE THE CHANGES INCORPORATED IN R-2019 FROM 2019 – 2023 BATCH COMPARED TO 2020 – 2024 BATCH FOR B.E. BME PROGRAMME.</b></p> <ul style="list-style-type: none"> <li>• The Chairman, BOS of the Biomedical Engineering listed the changes incorporated in R-2019 from 2019 – 2023 batch compared to 2020 – 2024 batch for B.E.BME programme among the Board of Studies members.</li> <li>• BOS members reviewed and approved the same.</li> </ul>
BoS / BME 5.4	: <p><b>TO CONSIDER AND APPROVE THE SYLLABI OF COURSES OFFERED TO OTHER DEPARTMENTS FOR B.E. BME PROGRAMME.</b></p> <p>The Chairman, BOS of the Biomedical Engineering presented the syllabi of Open Elective offer from B.E. Biomedical Engineering to others programme.</p> <p>The BoS members suggested the following:</p> <ul style="list-style-type: none"> <li>• Dr. M. Rammasubba Reddy suggested to show variations in the subject title in BME papers including Core and Professional Elective papers and Open Electives,</li> <li>• For the remaining subjects all the BoS members accepted.</li> </ul>
BoS / BME 5.5	: <p><b>TO CLAIM CREDITS OF 12 WEEKS NPTEL ONLINE COURSE FOR B.E. BME PROGRAMME</b></p> <p>The Chairman, BOS of the Biomedical Engineering presented the claim credits for undertaking 12 Weeks NPTEL online course related to BME, Medical Electronics and Health Care domain among the Board of Studies members.</p> <ul style="list-style-type: none"> <li>• BOS members reviewed and approved the same.</li> </ul>
BoS / BME 5.6	: <p><b>DISCUSSION TO INNOVATIVE TEACHING / LEARNING AND ASSESSMENT METHODS OF EXTERNAL MEMBER'S INSTITUTION.</b></p> <p>The Chairman, BOS of the Biomedical Engineering requested the BOS members of various Institutions to share Innovative Teaching, Learning and Assessment methods followed in their institutions. The BOS shared the following points.</p> <p>The BoS members suggested the following:</p> <ul style="list-style-type: none"> <li>• Dr.S.Manimegalai shared Innovative Group Seminars, Model based</li> </ul>

		Classes, Mini Projects and Reports of Research Articles to be conducted as a part of Quality Assessment methods.
BoS / BME 5.7	:	<p><b>DISCUSSION TO BEST PRACTICES FOLLOWED IN EXTERNAL MEMBER'S INSTITUTION.</b></p> <ul style="list-style-type: none"> <li>• Mr. V. Angappa suggested to conduct Industry Conclave for Industrial – Academic Interaction as a part of exposure to the industrial demands.</li> <li>• Mr. V. Angappa suggested to introducing specific laboratory courses offered by Industry personnel to make Industry – Academia continuous interaction with vendors.</li> </ul>
BoS / BME 5.8	:	<p><b>SUGGESTION FOR NEW CURRICULUM AND SYLLABI FOR NEW REGULATION 2022 (R-2022)</b></p> <ul style="list-style-type: none"> <li>• Dr. S. Manimegalai suggested to include the following subjects in New Curriculum and Syllabi of New Regulation 2022 (R-2022), <ul style="list-style-type: none"> <li>✓ Ergonomics in Healthcare,</li> <li>✓ Cloud Computing in Healthcare System,</li> <li>✓ Data Analytics in Biomedical Engineering,</li> <li>✓ Augmented Reality and Virtual Reality in Health Care.</li> </ul> </li> <li>• Dr. M. Rammasubba Reddy suggested to Group Assignments and Projects for Teachers to be conducted as a part of Quality Assessment methods.</li> </ul>
BoS / BME 5.9	:	<p><b>ANY OTHER MATTER</b></p> <ul style="list-style-type: none"> <li>• Dr. J. Krishnan suggested to refer Anna University electives under new regulation for vertical orienting specialization.</li> <li>• Mr. V. Angappa suggested to introduce Industrial courses and programming courses to meet the standards of Health care domain sectors.</li> </ul>
BoS / BME 5.10	:	<p><b>VOTE OF THANKS</b></p> <p>❖ <b>Dr. G. S. Satheesh Kumar, Associate Professor / BME</b>, proposed the vote of thanks for the 5th BoS meeting conducted on 20.07.2022. She 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>

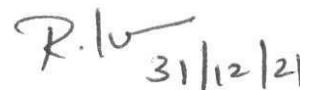


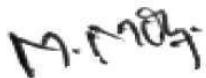
CHAIRMAN  
BOARD OF STUDIES

**MEMBERS PRESENT IN ONLINE**

1.	<b>Dr. G. S. Satheesh Kumar,</b> Associate Professor & Head Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai.	Chairman
2.	<b>Dr. M. Ramasubba Reddy,</b> Professor, Department of Applied Mechanics, Indian Institute of Technology, Chennai	University Nominee
3.	<b>Dr. J. Krishnan,</b> Professor, Department of Instrumentation Engineering, Annamalai University, Chidambaram, Cuddalore District.	Academic Experts
4.	<b>Dr. P. Manimegalai,</b> Associate Professor, Department of Biomedical Engineering, School of Engineering and Technology, Karunya Institute of Technology and Sciences, Coimbatore.	
5.	<b>Mr. V. Angappa,</b> Managing Director, Mega Tech Scientific Instruments, 70, Rajunaidu Street, Sivanandha Colony, Coimbatore.	Industry Expert

**MEMBERS PRESENT**

1.	<b>Dr. V. Venkatachalam</b> Principal, Erode Sengunthar Engineering College, Perundurai.	
2.	<b>Dr. G. S. Satheesh Kumar,</b> Associate Professor & Head Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai.	
3.	<b>Dr. R. Kalaiyani,</b> Professor, Department of Electronics and Communication Engineering, Erode Sengunthar Engineering College, Perundurai.	
4.	<b>Dr. A. Sathish Kumar,</b> Professor / BME Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai.	

5.	<b>Mr.K.Balasubramanian,</b> Assistant Professor, Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai.	
6.	<b>Mr. R.Shankar,</b> Assistant Professor / BME, Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai	
7.	<b>Mrs. T.Yamuna,</b> Assistant Professor / BME, Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai	
8.	<b>Mrs.M.Dhivya,</b> Assistant Professor, Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai.	
9.	<b>Mrs. K.K.Leka,</b> Assistant Professor / BME Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai	
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# Department of Biomedical Engineering

The 05<sup>th</sup> Board of studies meeting held on 20.07.2022 through the following link:

Google online meet link: <https://meet.google.com/wax-hxdu-hqe>

