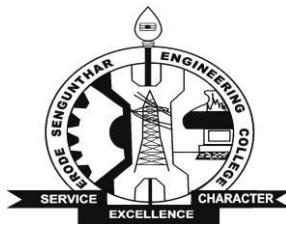


ERODE SENGUNTHAR ENGINEERING COLLEGE

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

PERUNDURAI, ERODE - 638 057



Department of Biomedical Engineering
6th BOARD OF STUDIES MEETING

30th May 2023 @ 10.00 a.m.

ZOOM ONLINE MEET

Link: <https://us06web.zoom.us/j/89259428431?pwd=N0thNFNGSVJBYU9nY29QVklavIJ2UT09>



DEPARTMENT OF BIOMEDICAL ENGINEERING

06th Board of Studies Meeting

Mode: Through Online (Zoom Meeting Link:

<https://us06web.zoom.us/j/86738567856?pwd=ZkVEDnBIdU5UNkR4UVRJcFp3NjZIUT09>

Date & Time: 30.05.2023 & 10.00 a.m.

AGENDA

The 06th Board of Studies Meeting is convened to get the approval for the Curriculum for all the Semesters and syllabus of I & II semesters under the Regulations 2023, Vertical Courses offered by Biomedical Engineering and online Courses.

BoS / BME 6.1	Welcome address and Opening Remarks by Chairman, Board of studies in the department of Biomedical Engineering
BoS / BME 6.2	Confirmation of the 5 th Board of Studies Meeting Minutes of the Department of Biomedical Engineering and Action taken report of 5 th Board of Studies meeting.
BoS / BME 6.3	To consider and approve the curriculum: I to VIII Semester for B.E. BME Programme offered under Regulation 2023.
BoS / BME 6.4	To consider and approve the Syllabi: I and II Semester courses for B.E. BME Programme offered under Regulation 2023.
BoS / BME 6.5	To consider and approve Vertical courses identified for B.E. BME Programme offered under Regulation 2023.
BoS / BME 6.6	To Confirm and Approve Verticals for Awarding Honors, Honors With Specialization and Minor Degree – B.E Biomedical Engineering in Regulations 2019 for students admitted in the Academic Year 2021-22 onwards as per the direction of Anna University (Letter No 5749/AU/CAC/Honours/2022 dated 16.11.2022).
BoS / BME 6.7	Any other Matter
BoS / BME 6.8	Vote of Thanks

DEPARTMENT OF BIOMEDICAL ENGINEERING

MINUTES OF THE MEETING

The 06th Board of Studies meeting of Department of Biomedical Engineering was held on 30th May 2023 at 10.00 a.m. through online.

1. The following members were present:

1	Dr. G. S. Satheesh Kumar, Associate Professor & Head Department of Biomedical Engineering, Erode Sengunthar Engineering College, Perundurai.	Chairman	<i>G.SK</i>
2	Dr. T. Kesavamurthy, Professor, Department of Electronics and Communication Engineering, PSG College of Technology, Peelamedu, Coimbatore – 641 004	University Nominee	
3	Dr. N. Sivakumaran, Professor, Dept. of Instrumentation and Control Engineering National Inst 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	Academic Experts	ON-LINE MODE
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, ECG Analyst, Healthwatch Telediagnostics Private Limited, 12, Ground Floor, Itteri Road, Near Ramalingam Hospital, Ram Nagar, Meyyanur, Salem – 636005	Meritorious Alumnus nominated by the Principal	

7	Dr. A. Sathish Kumar, Professor / BME Erode Sengunthar Engineering College, Perundurai.	Internal Members	<i>A. Sathish Kumar</i>
8	Mr. K. Balasubramanian, Assistant Professor / BME Erode Sengunthar Engineering College, Perundurai		<i>K. Balasubramanian</i>
9	Mrs. M. Divya, Assistant Professor / BME Erode Sengunthar Engineering College, Perundurai		<i>M. Divya</i>
10	Ms. M. Mohanavalli, Assistant Professor / BME Erode Sengunthar Engineering College, Perundurai		<i>M. Mohanavalli</i>
11	Mrs. K. K. Leka, Assistant Professor / BME Erode Sengunthar Engineering College, Perundurai		<i>K. K. Leka</i>
12	Ms. N. Ageela, Assistant Professor / BME Erode Sengunthar Engineering College, Perundurai		<i>N. Ageela</i>
13	Mrs. B. Pradeepa, Assistant Professor / BME Erode Sengunthar Engineering College, Perundurai		<i>Pradeepa. B</i>

BoS / BME 6.1	:	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 6.2	:	CONFIRMATION OF THE 05th BOARD OF STUDIES MEETING MINUTES OF THE DEPARTMENT OF BIOMEDICAL ENGINEERING AND ACTION TAKEN REPORT OF 05th BOARD OF STUDIES MEETING.
		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 05 th Board of Studies Meeting.
BoS / BME 6.3	:	TO CONSIDER AND APPROVE THE CURRICULUM I TO VIII SEMESTER FOR THE B.E. BIOMEDICAL ENGINEERING PROGRAMME OFFERED UNDER REGULATIONS 2023

	<p>The Chairman, BOS of the Biomedical Engineering presented the R2023 Curriculum of all semesters B.E. Biomedical Engineering among the Board of Studies members.</p> <p>The BoS members suggested the following:</p> <ul style="list-style-type: none"> • Dr.T.Kesavamurthy, Professor / ECE / PSG / Coimbatore, suggested to ensure all Vertical Courses (Professional Elective) offered by Biomedical Engineering is framed under the guidelines of Anna University new syllabus. • Dr.N.Sivakumaran, Professor / ICE / NIT / Trichy asked to limitation for the number of vertical courses in the curriculum. • Dr.D.K.Ravish, Associate Professor / ME / Dr.AIT / Bangaluru, suggested to Group Assignments and Projects for Teachers to be conducted as a part of Quality Assessment methods. • Mr.A.Shankar, Manager / Medical and Health Service / TÜV SÜD South Asia / Chennai suggested to ‘Fundamentals of Biochemistry’ can be changed as ‘Medical Biochemistry’. • Mr.A.Shankar, Manager / Medical and Health Service / TÜV SÜD South Asia / Chennai enquired about delivery method for the course “Tamil Heritage and Tamils and Technology” courses for different students. • For the remaining subjects BOS members reviewed and approved the same.
BoS / BME 6.4	<p>TO CONSIDER AND APPROVE THE SYLLABI OF I AND II SEMESTER COURSES FOR B.E. BME PROGRAMME OFFERED UNDER REGULATION 2023.</p> <p>The Chairman, BOS of the Biomedical Engineering presented the R2023 Syllabi of I and II semesters B.E. Biomedical Engineering among the Board of Studies members.</p> <p>The BoS members suggested the following:</p> <ul style="list-style-type: none"> • Dr. T. Kesavamurthy, Professor / ECE / PSG / Coimbatore, suggested for updating the Text Books and Reference Books with latest edition and suggested to include web resources. • Mr. A. Shankar, Manager / Medical and Health Service / TÜV SÜD South Asia / Chennai, suggested to ‘Patient Safety, Standards and Ethics’ can be changed as ‘Medical Ethics’.

		<ul style="list-style-type: none"> • Mr. A. Shankar, Manager / Medical and Health Service / TÜV SÜD South Asia / Chennai, suggested including some advanced experiments as application based on the Kidney, Liver and pancreatic function test of the human body in Biochemistry Laboratory. • For the remaining subjects all the BoS members accepted.
BoS / BME 6.5	:	<p>TO CONSIDER AND APPROVE VERTICAL COURSES IDENTIFIED FOR B.E. BME PROGRAMME OFFERED UNDER REGULATION 2023.</p> <p>The Chairman, BOS of the Biomedical Engineering presented the Vertical courses identified for B.E. BME Programme offered under Regulation 2023 among the Board of Studies members.</p> <ul style="list-style-type: none"> • Dr. T. Kesavamurthy, Professor / ECE / PSG / Coimbatore, suggested to ensure all Vertical Courses (Professional Elective) offered by Biomedical Engineering is framed under the guidelines of Anna University syllabus. • Dr. N. Sivakumaran, Professor / ICE / NIT / Trichy, asked to limitation for the number of vertical courses in the curriculum. The Chairman replied that the vertical courses are limited to 6 categories as per Regulations 2023. • BOS members reviewed and approved the same.
BoS / BME 6.6	:	<p>To Confirm and Approve Verticals for Awarding Honors, Honors With Specialization and Minor Degree – B.E Biomedical Engineering in Regulations 2019 for students admitted in the Academic Year 2021-22 onwards as per the direction of Anna University (Letter No 5749/AU/CAC/Honours/2022 dated16.11.2022).</p> <p>The Chairman, BOS of the Biomedical Engineering to present the Verticals for Awarding Honors, Honors With Specialization and Minor Degree – B.E Biomedical Engineering in Regulations 2019 for students admitted in the Academic Year 2021-22 onwards as per the direction of Anna University (Letter No 5749/AU/CAC/Honours/2022 dated16.11.2022) to approval.</p> <ul style="list-style-type: none"> • BOS members reviewed and approved the Verticals for awarding Honors, Honors with specialization and Minor degree – B.E Biomedical Engineering.
BoS / BME 6.7	:	ANY OTHER MATTER
BoS / BME 6.7		The Chairman, BOS of the Biomedical Engineering presented the online courses related to Biomedical Engineering, Medical Electronics and Health

		Care domain among the Board of Studies members. <ul style="list-style-type: none"> • BOS members reviewed and approved the same.
	:	VOTE OF THANKS
BoS / BME 6.8		<p>❖ Dr. G. S. Satheesh Kumar, Associate Professor / BME, proposed the vote of thanks for the 6th BoS meeting conducted on 30.05.2023. 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>



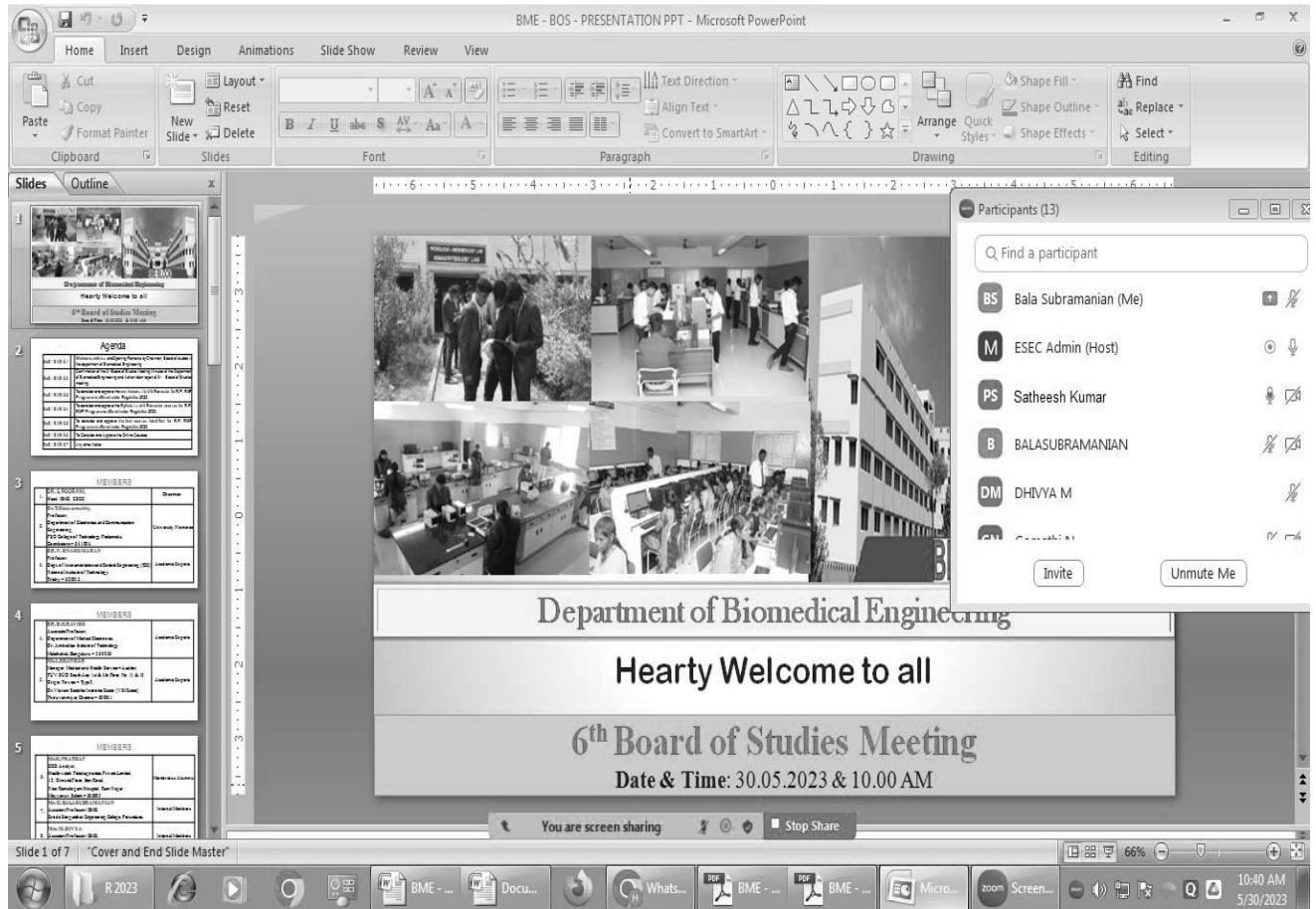
CHAIRMAN
BOARD OF STUDIES

Department of Biomedical Engineering

The 06th Board of studies meeting held on 30.05.2023 through the following link:

Zoom online meet link:

<https://us06web.zoom.us/j/86738567856?pwd=ZkVEdnBIdU5UNkR4UVRJcFp3NjZIUT09>



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Dr T Kesavamurthy DHIVYA M Bala Subramanian Mohanavalli M Gomathi N

Dr T Kesavamurthy DHIVYA M Bala Subramanian Connecting to audio ... Gomathi N

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Table: B.E BME – CBCS – R2023 SEMESTER II

THEORY

Code No	Course	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
23BS201	Vector Calculus and Complex Variables	3	1	0	4	40	60	100	BS
23BS212	Medical Physics	3	0	0	3	40	60	100	BS
23HS201	Professional English	3	0	0	3	40	60	100	HS
23BM202	Fundamentals of Biochemistry	3	0	0	3	40	60	100	PC
23ES224	Fundamentals of Electron Devices and Circuits	3	0	0	3	40	60	100	ES
23TPS02	Soft Skills – II	1	0	1	1.5	40	60	100	EEC

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Zoom Meeting

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DHIVYA M Bala Subramanian SHANKAR ARU... RAVISH D K Gomathi N

DHIVYA M Bala Subramanian SHANKAR ARUMUGAM RAVISH D K Gomathi N

Mohanavalli M LEKA K K Dr.G.S.SATHEESH KUMAR Prathap K BALASUBRAMA...

Mohanavalli M LEKA K K Satheesh Kumar Prathap K BALASUBRAMA...

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