

ERODE SENGUNTHAR ENGINEERING COLLEGE



(An Autonomous Institution, Affiliated to Anna University, Chennai) PERUNDURAI, ERODE – 638 057



Department of Biomedical Engineering

7th BOARD OF STUDIES MEETING

12th January 2024 @ 11.00 a.m.

GOOGLE MEET

Link: https://meet.google.com/rzh-sztqtpw?authuser=0&hl=en



ERODE SENGUNTHAR ENGINEERING COLLEGE, PERUNDURAI - 638057

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



DEPARTMENT OF BIOMEDICAL ENGINEERING

07th Board of Studies Meeting

Mode: Through Online (Google Meet Link: <u>https://meet.google.com/rzh-sztq-tpw?authuser=0&hl=en</u>)

Date & Time: 12.01.2024 & 11.00 a.m.

AGENDA

The 07th Board of Studies Meeting is convened to get the approval for the Curriculum for all the Semesters and syllabus of III & IV Semesters under the Regulations 2023, Vertical Courses offered by Biomedical Engineering under the Regulations 2023and Review the Vertical Courses offered by Biomedical Engineering under the Regulations 2019.

BoS / BME 7.1	Welcome address and Opening Remarks by Chairman, Board of studies in the department of Biomedical Engineering
BoS / BME 7.2	Confirmation of the 6 th Board of Studies Meeting Minutes of the Department of Biomedical Engineering and Action taken report of 6 th Board of Studies meeting.
BoS / BME 7.3	To consider and approve the curriculum: I to VIII Semester for B.E. BME Programme offered under Regulation 2023.
BoS / BME 7.4	To consider and approve the Syllabi: III and IV Semester courses for B.E. BME Programme offered under Regulation 2023.
BoS / BME 7.5	To consider and review Vertical courses identified for B.E. BMEProgramme offered under Regulation 2023 & Regulation 2019.
BoS / BME 7.6	Any other Matter
BoS / BME 7.7	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:

	Dr. G.S. Sathessh Kumar,					
	Associate Professor & Head					
1	Department of Biomedical Engineering,	Chairman				
	Erode Sengunthar Engineering College, Perundurai.					
	Dr. T. Kesavamurthy,					
	Professor,					
2	Department of Electronics and Communication Engineering,	University Nominee				
	PSG College of Technology, Peelamedu,	·				
	Coimbatore – 641 004					
	Dr. N. Sivakumaran,					
	Professor,					
3	Dept. of Instrumentation and Control Engineering National Institute of					
	Technology					
	Trichy – 620015	Academic				
	Dr. D. K. Ravish,	Experts				
	Associate Professor,					
4	Department of Medical Electronics,					
	Dr. Ambedkar Institute of Technology,					
	Malathahali, Bangaluru – 560 056					
	Mr. A. Shankar,					
	Manager, Medical and Health Service – Auditor,					
	TÜV SÜD South Asia,	Representative from				
5	1st & 4th Floor, No: 11 & 13,	Industry / Corporate				
	Origin Towers- Type 2,	Sector				
	Dr. Vikram Sarabhai Instronic Estate (VSI Estate),					
	Thiruvanmiyur, Chennai – 600041					

	Mr.K. Prathap,	
	PM - Service & Calibration Engineer,	
	Ababil Healthcare Pvt, Ltd	Meritorious Alumnus
6	Region : Coimbatore & Erode	nominated by the Principal
	Plot no.20, KVT Garden phase - III, V S Mani Nagar,	Tincipai
	Madhavaram, Chennai – 600 060,	
	Dr. A. Satheesh Kumar,	
7	Assistant Professor / BME	
	Erode Sengunthar Engineering College, Perundurai	
	Mr. K. Balasubramanian,	
8	Assistant Professor / BME	
	Erode Sengunthar Engineering College, Perundurai	
	Mrs. M. Divya,	
9	Assistant Professor / BME	
	Erode Sengunthar Engineering College, Perundurai	
	Ms. M. Mohanavalli,	
10	Assistant Professor / BME	
	Erode Sengunthar Engineering College, Perundurai	Internal Members
	Mrs. K. K. Leka,	
11	Assistant Professor / BME	
	Erode Sengunthar Engineering College, Perundurai	
	Mrs. N. Gomathi,	
12	Assistant Professor / BME	
	Erode Sengunthar Engineering College, Perundurai	-
	Ms. N.Ageela,	
13	Assistant Professor / BME	
	Erode Sengunthar Engineering College, Perundurai	
	Mrs.B.Pradeepa,	
14	Assistant Professor / BME	
	Erode Sengunthar Engineering College, Perundurai	

	:	WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN,
		BOARD OF STUDIES IN THE DEPARTMENT OF BIOMEDICAL
		ENGINEERING.
BoS / BME 7.1		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.
	:	CONFIRMATION OF THE 06 th BOARD OF STUDIES MEETING
		MINUTES OF THE DEPARTMENT OF BIOMEDICAL ENGINEERING
		AND ACTION TAKEN REPORT OF 06 th BOARD OF STUDIES
BoS / BME 7.2		MEETING.
D 05 / D 111E /.2		The Chairman, BOS of the Biomedical Engineering brief 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 06 th Board of
		Studies Meeting.
		TO CONSIDER AND APPROVE THE CURRICULUM I TO VIII
		SEMESTER FOR THE B.E. BIOMEDICAL ENGINEERING
		PROGRAMME OFFERED UNDER REGULATIONS 2023.
		The Chairman, BOS of the Biomedical Engineering presented the R2023
		Curriculum of all semesters B.E. Biomedical Engineering to the Board of
BoS / BME 7.3	:	Studies members.
	•	The BoS members suggested the following:
		• Dr. N. Sivakumaran, Professor / ICE / NIT / Trichy, suggested to
		include the course on Cyber security in Health Sector in the
		Curriculum of B.E. Biomedical Engineering.
		For the remaining subjects BOS members reviewed and approved the same.
		TO CONSIDER AND APPROVE THE SYLLABI OF III AND IV
BoS / BME 7.4	:	SEMESTER COURSES FOR B.E. BME PROGRAMME OFFERED
		UNDER REGULATION 2023.
		The Chairman, BOS of the Biomedical Engineering presented the R2023
		Syllabi of III and IV semesters B.E. Biomedical Engineering to the Board
		of Studies members.
		The BoS members suggested the following:
		-

		 Dr.T.Kesavamurthy, Professor / ECE / PSG / Coimbatore, suggested to enhance the student knowledge in the field of Pathology and Microbiology theory and laboratory through Microbiology and pathology external experts while handling the subject. Dr.D.K.Ravish, Associate Professor / ME / Dr.AIT / Bangaluru, suggested that Pathology and Microbiology laboratory can be conducted in an external mode through either Medical College Laboratory or Microbiology Laboratory. Dr.D.K.Ravish, Associate Professor / ME / Dr.AIT / Bangaluru, suggested to arrange Hospital training for various Multi Speciality and MNC Hospital for students. Dr.D.K.Ravish, Associate Professor / ME / Dr.AIT / Bangaluru, suggested to include MOSFET based amplifiers can include first unit of Analog and Digital Electronics. Mr.A.Shankar, Manager / Medical and Health Service / TÜV SÜD South Asia / Chennai suggested to arrange many Guest lecture, Hospital and Industrial visit to various medical based organizations. Mr.A.Shankar, Manager / Medical and Health Service / TÜV SÜD South Asia / Chennai recommended to subject Object Oriented Programming Unit II (Object Oriented Programming Basics) is move to Unit I (Java Basics) and Unit I (Java Basics) is move to Unit II (Object Oriented Programming Basics).
BoS / BME 7.5	:	TO REVIEW THE VERTICAL COURSES IDENTIFIED FOR B.E. BME PROGRAMME OFFERED UNDER REGULATION 2023 AND REGULATION 2019. The Chairman, BOS of the Biomedical Engineering presented the Vertical
	·	courses identified for B.E. BME Programme offered under Regulation 2019 and Regulation 2023 to the Board of Studies members. BOS members reviewed and approved the same.
BoS / BME 7.6	:	ANY OTHER MATTER

	:	VOTE OF THANKS
		 Mr.K.Balasubramanian, Assistant Professor / BME, proposed the
		vote of thanks for the 7 th BoS meeting conducted on 12.01.2024. He
BoS / BME 7.7		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.

yik

CHAIRMAN BOARD OF STUDIES

Department of Biomedical Engineering

The 07th Board of studies meeting held on 12.01.2024 through the following link:

Google Meet online link: <u>https://meet.google.com/rzh-sztq-tpw?authuser=0&hl=en</u>

Snapshots of Meeting

	ME ESEC (You, presenting	g)		Stop presenting	People	
9 F					Mute all	Add peo
	y mirror, don't share you r a different window inst	ir entire screen or browser window. lead.	Stop presenting	Poorani shivkumar (Poor	1	×
			Ignore		Dr Kesavamurthy	y T - PS 😳
					Mohanavalli M	5%
				Dr Kesavamurthy T - PSG	Natarajan Sivakun	maran 🦞
					Poorani shivkuma	ar (Poo 😐
		PARTMENT OF BIOMEDICAL EN	ICINEEDING	7 others	PRATHAP K	S.
		Hearty Welcome to all			RAVISH D K	S.
				₽ +; :	shankar A	2
				HOD BME ESEC	and the to	*
rzh-szto	q-tpw	📌 📭	e e 💿 \vartheta 🗉		0	*** E
R2019 - VE	pdf	E - R2019 - VEpdf 🔨 🔁 BME - R20	19 - VEpdf 🔨 🔁 BME - R20	23 - 202pdf		SI
Bos Discu		🖒 🚺 🔛 meet.googl			I× • 🗊 =	
) bos biscu				Microsoft PowerP		
		T	T			
igned in as TS	1122 × S Whats	App 🗙 🛛 🔀 Inbox (2,762) -	hodbme@esec.ac 🗙 🎑 Meet - rzh-sztq	-tpw 💿 × (+)		
	1122 × SWhats		hodbme@esec.ac 🗙 🚺 Meet - rzh-sztq		× ∞ § ⊙ 8	+ 🗆 🕕
e 🔒 me		pw?authuser=0&hl=en	hodbme@esec.ac 🗙 🚺 Meet - rzh-sztq		_	D D D presenting
HOD BM	et.google.com/rzh-sztq-t IE ESEC (You, presenting)	pw?authuser=0&hl=en	hodbme@esec.at 🗙 🚨 Meet - rzh-sztą		_	op presenting
HOD BM	et.google.com/rzh-sztq-t IE ESEC (You, presenting)	pw?authuser=0&hl=en	hodbme@esec.a: × Meet - rzh-sztą		_	op presenting
HOD BM	et.google.com/rzh-sztq-t IE ESEC (You, presenting) mirror, don't share your 6 rent window instead.	pw?authuser=0&hl=en antire screen or browser window. Share rd of Studies Meeting conducted on 30.05	Stop presenting		Sto	op presenting
HOD BM	et.google.com/rzh-sztq-t IE ESEC (You, presenting) Anterna mirror, don't share your o rent window instead	pw?authuser=0&hl=en entire screen or browser window. Share rd of Studies Meeting conducted on 30.05 ACTION TAKEN REPORT	Stop presenting		Sto	subramanian K
HOD BM	et.google.com/rzh-sztq-t IE ESEC (You, presenting) Internet Immror, don't share your of rent window instead	pw?authuser=0&hl=en entire screen or browser window. Share rd of Studies Meeting conducted on 30.05 ACTION TAKEN REPORT Suggestion Given	Stop presenting		Dr Satheesh Kumar	subramanian K
HOD BM	et.google.com/rzh-sztq-t E ESEC (You, presenting) Anternet mirror, don't share your of rent window instead	pw?authuser=0&hl=en entire screen or browser window. Share rd of Studles Meeting conducted on 30.05 ACTION TAKEN REPORT Suggestion Given Suggested for updating the Text Books and Reference Books with latest edition	Stop presenting Stop presenting 2023 Action Taken Incorporated new text book with recent edition in		Dr Satheesh Kumar	pp presenting
HOD BM	et.google.com/rzh-sztq-t E ESEC (You, presenting) Addatases mirror, don't share your of rent window instead G th Boa Name of the Expert Dr. T. Kesavamurthy,	pw?authuser=0&hl=en entire screen of browser window. Share rd of Studies Meeting conducted on 30.05 ACTION TAKEN REPORT Suggested for updating the Text Books and Reference Books with latest edition and suggested to include web resources.	Stop presenting 2023 Action Taken Incorporated new text book	E C C A	Dr Satheesh Kumar Balas	subramanian K
Contractions of the second sec	et.google.com/rzh-sztq-t E ESEC (You, presenting) Contract orient window instead	pw?authuser=0&hl=en entire screen or browser window. Share rd of Studies Meeting conducted on 30.05 ACTION TAKEN REPORT Suggestion Given Suggested for updating the Text Books and Reference Books with latest edition and suggested to include web resources. Suggested to ensure all Vertical Courses offered by Biomedical Engineering is	Stop presenting The Ignore of Stop 2023	RAVISH D K	Dr Satheesh Kumar Natarajan Sivaku	subramanian K
Contractions of the second sec	et.google.com/rzh-sztq-t E ESEC (You, presenting) Contract mirror, don't share your o rent window instead	pw?authuser=0&hl=en entire screen or browser window. Share rd of Studles Meeting conducted on 30.05 ACTION TAKEN REPORT Suggestion Given Suggested for updating the Text Books and Reference Books with latest edition and suggested to include web resources. Suggested to ensure all Vertical Courses	22023 Action Taken Incorporated new text book with recent edition in Syllabus All the Vertical Courses incorporated based on the Regulation 2021, Anna University Curriculum and	RAVISH D K	Dr Satheesh Kumar Natarajan Sivaku Stor Natarajan Sivaku	pp presenting
A meeting of the second s	et.google.com/rzh-sztq-t E ESEC (You, presenting) Addenaes mirror, don't share your of rent window instead	entire screen of browser window. Share and of Studies Meeting conducted on 30.05 ACTION TAKEN REPORT Suggested for updating the Text Books and Reference Books with latest edition and suggested to include web resources. Suggested to ensure all Vertical Courses offered by Biomedical Engineering is framed under the guidelines of Anna University new syllabus.	Stop presenting Contraction Taken Action Taken Incorporated new text book with recent edition in Syllabus All the Vertical Courses incorporated based on the Regulation 2021, Anna University Curriculum and syllabus Vertical Courses limited to	RAVISH D K	Dr Satheesh Kumar Natarajan Sivaku Stor Natarajan Sivaku	pp presenting
HoD BM HoD BM HoD BM SLNo. I I L I I I I I I I	et.google.com/rzh-sztq-t E ESEC (You, presenting) Administration mirror, don't share your of rent window instead.com G th Boa Name of the Expert Dr. I. Kesavamurthy. Professor / ECE / PSG / Combatere	pw?authuser=0&hl=en entire screen or browser window. Share rd of Studies Meeting conducted on 30.05 ACTION TAKEN REPORT Suggested for updating the Text Books and Reference Books with latest edition and suggested to include web resources. Suggested to ensure all Vertical Courses offered by Biomedical Engineering is framed under the guidelines of Anna	2023 Stop presenting Action Taken Incorporated new text book with recent edition in Syllabus All the Vertical Courses incorporated based on the Regulation 2021, Anna University Curriculum and Syllabus Vertical Courses limited to 7 Vertical (Professional Elective Courses) in	RAVISH D K	Dr Satheesh Kumar Natarajan Sivaku Stor Natarajan Sivaku	subramanian K (kar A) (kar A)
HoD BM HoD BM HoD BM SLNo. I I L I I I I I I I	et.google.com/rzh-sztq-t E ESEC (You, presenting) Addentes mirror, don't share your of rent window instead	pw?authuser=0&hl=en entire screen or browser window. Share rd of Studies Meeting conducted on 30.05 ACTION TAKEN REPORT Suggested for updating the Text Books and Reference Books with latest edition and suggested to include web resources. Suggested to ensure all Vertical Courses offered by Biomedical Engineering is framed under the guidelines of Anna University new syllabus. Asked to limitation for the number of	2023 Action Taken Incorporated new text book with recent edition in Syllabus All the Vertical Courses incorporated based on the Regulation 2021, Anna University Curriculum and sylCauses limited to 7 Verticals (Professional	RAVISH D K	Sto Cr Satheesh Kumar Natarajan Sivaku Mohanavalli M	pp presenting
HoD BM HoD BM HoD BM SLNo. I I L I I I I I I I	et.google.com/rzh-sztq-t E ESEC (You, presenting) Administration rent window instead a set of Boa Name of the Expert Or.T.Kesavamurthy, Professor / ECE / PSG / Combatore Or.T.Kesavamurthy, Professor / ECE / PSG / Combatore Dr.N.Sivakumaran, Professor / ICE / NIT / Trichy	pw?authuser=0&hl=en entire screen or browser window. Share rd of Studles Meeting conducted on 30.05 ACTION TAKEN REPORT Suggested for updating the Text Books and Reference Books with latest edition and suggested to include web resources. Suggested to ensure all Vertical Courses offered by Biomedical Engineering is framed under the guidelines of Anna University new syllabus. Asked to limitation for the number of vertical courses in the curriculum. Suggested to Include Tenging Course	22023 Stop presenting Image: Ima	RAVISH D K	Sto Cr Satheesh Kumar Natarajan Sivaku Mohanavalii M H	pp presenting subramanian K subramanian K subram
A meeting of the second s	et.google.com/rzh-sztq-t E ESEC (You, presenting) Administration rent window instead a set of Boa Name of the Expert Or.T.Kesavamurthy, Professor / ECE / PSG / Combatore Or.T.Kesavamurthy, Professor / ECE / PSG / Combatore Dr.N.Sivakumaran, Professor / ICE / NIT / Trichy	pw?authuser=0&hl=en entire screen or browser window. Share rd of Studles Meeting conducted on 30.05 ACTION TAKEN REPORT Suggested for updating the Text Books and Reference Books with latest edition and suggested to include web resources. Suggested to ensure all Vertical Courses offered by Biomedical Engineering is framed under the guidelines of Anna University new syllabus. Asked to limitation for the number of vertical courses in the curriculum. Suggested to Include Tenging Course	Stop presenting Stop presenting 2023 Action Taken Incorporated new text book with recent edition in Syllabus All the Vertical Courses incorporated based on the Regulation 2021, Anna University Curriculum and syllabus Verticals (Professional Elective Courses) in Regulation 2023	Contractions Contraction Cont	Dr Satheesh Kumar Natarajan Sivaku Mohanavalli M HOD BME ESEC	subramanian K subramanian K subramanian K subramanian K subramanian K subramanian K subramanian K subramanian K subramanian K

	ifferent window instead.	entire screen or browser window. Share	Stop presenting Ignore		۳ ک	
	6 th Boa	rd of Studies Meeting conducted on 30.05	.2023	Dr Kesavamurthy	Dr Satheesh Kumar	Balasubramar
SLNo.	Name of the Expert	ACTION TAKEN REPORT Suggestion Given	Action Taken		*	
Ï.,	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.		RAVISH D K	Natarajan Sivaku	shankar A
2.	Dr.T.Kesavamurthy, Professor / ECE / PSG / Coimbatore	Suggested to ensure all Vertical Courses offered by Biomedical Engineering is franced under the guidelines of Anna University new syllabus.	All the Vertical Courses incorporated based on the Regulation 2021, Anna University Curriculum and svllabus	X Dhivya Ganesh	X Mohanavalli M	Pradique Inn with PRATHAP K
3.	Dr.N.Sivakumaran, Professor / ICE / NIT / Trichy	Asked to limitation for the number of vertical courses in the curriculum.	Vertical Courses limited to 7 Verticals (Professional Elective Courses) in Regulation 2023		H HOD BME ESEC	