



ERODE SENGUNTHAR ENGINEERING COLLEGE

(An Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai,
Accredited by National Board of Accreditation (NBA), New Delhi &
National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade
PERUNDURAI -638 057, TAMILNADU, INDIA.



Department of Mechanical Engineering 10th BOARD OF STUDIES MEETING

5th May 2025 @ 11.30AM

Zoom meeting link

<https://us06web.zoom.us/j/86930629651?pwd=piQdPy2X64rb3NKRkVBLGyYNUZ9EBE.1>

Meeting ID: 869 3062 9651

Pass code: 638438


**Chairman - BoS
Dept. of Mech Engg. - ESEC**



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DEPARTMENT OF MECHANICAL ENGINEERING

MINUTES OF 10th BOARD OF STUDIES MEETING

MODE: Through Online

Zoom link & Meeting ID

<https://us06web.zoom.us/j/86930629651?pwd=piQdPy2X64rb3NKRkVBLGyYNUZ9EBE.1>

Meeting ID: 869 3062 9651

Venue: MECHANICAL SMART CLASS ROOM

5th May 2025 @ 11.30 A.M.

AGENDA

The 10th Board of Studies Meeting is convened to review the curriculum of Regulations 2023 BE Mechanical Engineering (English and Tamil medium), modified in accordance with the suggestions by the academic council and the approval for the Regulation 2023 - Curriculum (I to VIII Semesters), Syllabi for the seventh and eight semesters of BE Mechanical Engineering (English & Tamil Medium).

BoS /MECH / 10.1	:	Welcoming Board of Studies members and opening remarks by the Chairman, Board of Studies, and department of Mechanical Engineering.
BoS /MECH / 10.2	:	To review and approve the minutes and action taken reports of previous 9 th BOS meeting.
BoS/ MECH / 10.3	:	To review and approve the changes in R-2023 curriculum for BE Mechanical Engineering (Both English and Tamil Medium).
BoS /MECH / 10.4	:	To review and approve the syllabus for the subjects modified and added upto 6 th semesters as per the modified curriculum.


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BoS /MECH / 10.5	:	To consider and approve the syllabus of seventh semester and eight semester of R2023 UG Mechanical programs. (Both English and Tamil Medium).
BoS /MECH /10.6	:	Any other points suggested by the members.

MINUTES OF THE MEETING


The 10th Board of Studies meeting of Department of Mechanical Engineering, Erode Sengunthar Engineering College (Autonomous), Perundurai, Erode, Tamil Nadu was held on 05th May 2025 at 11.30 AM. through online.

The following members were present:

S.No	Name of the Members with affiliation	Category
1.	Dr. Y.ROBINSON Professor and Head, Department of Mechanical Engineering, Erode Sengunthar Engineering College, Perundurai-638057.	Chairman
2.	Dr. K. Kumaravel, Associate Professor, Department of Mechanical Engineering, Government College of Technology, Thadagam Road, Coimbatore. 641004 Mobile: 9486457183 Mail ID: kumaravel.k.mech@gct.ac.in	University Nominee
3.	Dr. N. Alagumurthi, Professor and Head, Department of Mechanical Engineering, Puducherry Technological University Pillaichavady, Puducherry-605 014 Phone: 9486143090 Email: alagumurthi@ptuniv.edu.in	Academic Experts
4.	Dr. S. Senthilraja Professor, Department of Mechatronics Engineering, SRM Institute of Science and Technology, Kattankulathur - 603203 Mobile: 8015058258 Mail id: senthils9@srmist.edu.in	
5	Mr. Senthil Kumar N S Expert I/Senior Manager I-Operations Capgemini Engineering Coimbatore, Tamil Nadu, India Email : senthilfeb20@gmail.com Mobile: 9900114197	Industrial Expert related to Placement


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6.	Mr. Pradheep John R, Senior Technical Consultant, Alchemy Solutions Private Ltd, Bangalore, India. Email: pradheep.john@gmail.com Mobile: 9894399351.	Alumnus nominated by the Principal
7.	Dr. N. Saravanan, Professor / MECH	Internal Members
8.	Dr. P. Thangavel Professor / MECH	
9.	Dr.M.Vijay Anand Professor / MECH	
10	Dr. J. Balaji, Associate Prof. / MECH	
11.	Dr. S. Suresh, Associate Prof. / MECH	
12.	Dr. S. Navaneethakrishnan, Associate Prof. / MECH	
13.	Dr.J.Manivannan Associate Prof. / MECH	
14.	Dr.N.Elango Associate Prof. / MECH	
15.	Prof. V.P. Krishnamurthy, Assistant Professor / Mech	
16.	Prof. P. Chokkalingam, Assistant Professor / Mech	
17	Prof. N.S. Mohan, Assistant Professor / Mech	
18	Prof. G. Dhayanithi, Assistant Professor / Mech	
19	Prof. S. Karthikeyan, Assistant Professor / Mech	
20	Prof. A. Prabhakaran, Assistant Professor / Mech	
21	Prof. C.Chelladurai Assistant Professor / Mech	


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BoS / MECH / 10.1	<p>WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES, DEPARTMENT OF MECHANICAL ENGINEERING.</p> <p>The Chairman of the Board of Studies welcomed all the members to the meeting and briefed the agenda of the current meeting.</p> <p>The members present in the Board of Studies Meeting are given in Annexure I.</p>
BoS / MECH / 10.2	<p>TO REVIEW AND APPROVE THE MINUTES AND ACTION TAKEN REPORTS OF PREVIOUS 9th BOS MEETING.</p> <p>The Chairman, BOS of the Mechanical Engineering presented the minutes of the previous 9th BOS meeting and also action taken reports of the same. The Board thoroughly have gone through them and found completed.</p>
BoS / MECH 10.3	<p>TO REVIEW AND APPROVE THE CHANGES IN R-2023 CURRICULUM FOR BE MECHANICAL ENGINEERING (BOTH ENGLISH AND TAMIL MEDIUM).</p> <p>The Chairman BOS, has narrated the members the changes made in the R2023 curriculum of BE Mechanical Engineering Program as follows:</p> <p>The Course "Python programming" which was kept as embedded course has been added "Artificial Intelligence (AI)" concepts in II-Semester and it has been changed "Python programming and AI" as per the suggestions of the Board of Science and Humanities.</p> <p>The course "Finite Element Analysis" has been changed as embedded course and it is shifted from the 6th semester to 7th semester. Also introduced new embedded course "Advanced CNC Technology" (Collaboration with Glory Engineering Works, Coimbatore, & Essarr Engineering, Coimbatore) in 6th Semester instead of "Computer Integrated Manufacturing" course in order to make students to get industry skill.</p> <p>Based on the suggestions of BOS, "Computer Aided Modeling (3D) Laboratory" in the 5-Semester is partially changed 60/40 ratio (is to be practiced manually at 40% experiments) from the 5th semester onwards in order to make the students understand the Drawing concepts clearly.</p> <p>The Chairman said that no much change had been made in the curriculum from 3rd semester to 5th semester. After careful discussions the Board resolved to approve the changes.</p>


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BoS / MECH 10.4	<p>TO REVIEW AND APPROVE THE SYLLABUS FOR THE SUBJECTS ADDED IN THE FIRST FOUR SEMESTERS AS PER THE MODIFIED CURRICULUM.</p>
	<p>The Chairman BOS has presented the syllabus of the following newly introduced courses for discussion and approval:</p> <ol style="list-style-type: none"> 1. Python programming and AI - Second semester 2. Advanced CNC Technology – sixth semester 3. Finite Element Analysis - seventh semester <p>After thorough discussions, the Board resolved to approve the syllabus of the above courses.</p>
BoS / MECH 10.5	<p>TO CONSIDER AND APPROVE THE SYLLABUS OF FIFTH SEMESTER AND SIXTH SEMESTER COURSES OF R2023 UG MECHANICAL PROGRAMS.</p>
	<p>The Chairman, BoS has presented the syllabuses of seventh and eighth semester courses of BE Mechanical Engineering (both English and Tamil medium) for consideration and approval.</p> <p>Dr. K. Kumaravel, University nominee, has informed to add some new emerging topics in the syllabus of “Automobile engineering” course with latest text books and reference books, instead of very old volumes. Also he emphasized that to ensure the students internship training program with some reputed companies along with stipend basis.</p> <p>Dr.N. Alagumurthi, Academic expert, has said that each units of the syllabus be given uniform number of contact periods, instead of having one unit with more periods and others with less number of periods.</p> <p>Mr. R. Pradeep John has informed that few exercises in Computer Aided Modeling (3D) Laboratory have to be practiced manually. Chairman clarified that partially changed 60/40 ratio in syllabus and hence Manual practicing is converted in this laboratory.</p> <p>Dr. Senthil rajas have suggested that students may undergo some real time projects with some reputed industries and presented the same for end semester examination. Also he said as three hours per week schedule under Mini- Project will not suffice to complete the project within the stipulated hours.</p>


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BoS / MECH 10.6	ANY OTHER ITEMS
	<p>Dr. K. Kumaravel appreciated that the structure of the curriculum is good for all the programs.</p> <p>Dr.N. Alagumurthi also appreciated that the structure of the curriculum and syllabus content was good and appreciate the board chairman.</p> <p>Finally the Chairman expressed his sincere thanks to the members for having provided the valuable in formations and a suggestion to improve the quality of the syllabus as well as it is meeting the current requirements of all stakeholders.</p>



CHAIRMAN
Board of Studies - Mechanical Engineering

Chairman - BoS
Dept. of Mech Engg. - ESEC

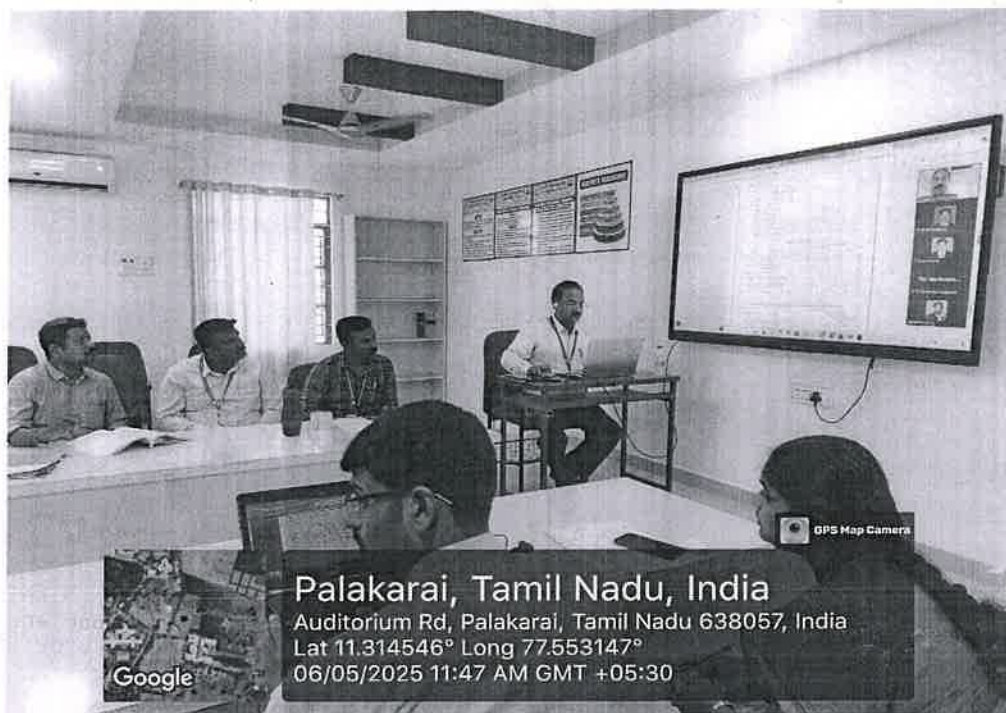


Fig.1 Snap shot for Board of studies meeting held on 05.05.2025



Fig-2 Snap shot for Board of studies meeting held on 05.05.2025

[Signature]
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ANNEXURE – I

The 10th Board of Studies meeting of Department of Mechanical Engineering, Erode Sengunthar Engineering College (Autonomous), Perundurai, Erode, Tamil Nadu was held on 05th May 2025 at 11.30 AM. through online.


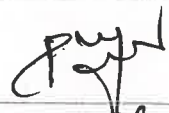
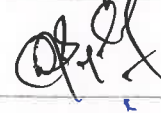

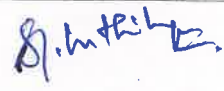


The following members were present:

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2.	DR. K. KUMARAVEL, Associate Professor, Department of Mechanical Engineering, Government College of Technology, Thadagam Road, Coimbatore. 641004 Mobile: 9486457183 Mail ID: kumaravel.k.mech@gct.ac.in	University Nominee	Present in ONLINE
3.	DR. N. ALAGUMURTHI, Professor and Former Head, Department of Mechanical Engineering, Puducherry Technological University Pillaichavady, Puducherry-605 014 Phone: 9486143090 Email: alagumurthi@ptuniv.edu.in	Academic	

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4.	DR. S. SENTHILRAJA Professor, Department of Mechatronics Engineering, SRM Institute of Science and Technology, Kattankulathur - 603203 Mobile: 8015058258 Mail id: senthils9@srmist.edu.in		Present in ONLINE
5.	MR. SENTHIL KUMAR N S Expert I/Senior Manager I-Operations Capgemini Engineering Coimbatore, Tamil Nadu, India Email :senthilfeb20@gmail.com Mobile: 9900114197	Industrial Expert related to Placement	
6.	MR. PRADHEEP JOHN R, Senior Technical Consultant, Alchemy Solutions Private Ltd, Bangalore, India. Email: pradheep.john@gmail.com Mobile: 9894399351.	Alumnus nominated by the Principal	
7.	Dr. N. Saravanan, Professor / MECH	Internal Members	
8.	Dr. P. Thangavel Professor / MECH		
9.	Dr.M.Vijay Anand Professor / MECH		
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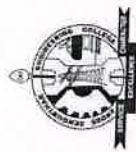

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15.	Prof. V.P. Krishnamurthy, Assistant Professor / Mech	Internal Members	
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21.	Prof. C.Chelladurai Assistant Professor / Mech		



Signature of Board Chairman

Chairman - BoS
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DEPARTMENT OF MECHANICAL ENGINEERING



ACTION TAKEN REPORT – 10TH BOARD OF STUDIES MEETING (05.05.2025)

Sl. No.	Name of the Expert	Suggestions Given	Action Taken	Remarks
1.	Dr.K. Kumaravel	<p>Suggested inclusion of recent and emerging topics in the Automobile Engineering subject</p> <p>Recommended the inclusion of the most recent editions of textbooks and reference materials in the syllabus for each course.</p>	<p>Accepted and emerging topics have been identified and incorporated into the syllabus.</p> <p>The syllabus has been updated to reflect the latest and most relevant textbooks and references across all subjects.</p>	-
2.	Dr.N.Alagumurthi	<p>Recommended that all units in the syllabus maintain a uniform number of contact periods instead of allocating more hours to certain units and fewer to others. Also emphasized the importance of students undergoing industry internships.</p> <p>Suggested signing more Memoranda of Understanding (MoUs) with industries and institutions to strengthen academic-industry collaboration.</p>	<p>Syllabus structure revised to ensure uniform distribution of contact periods across all units. Provisions and credits for internships have been integrated where applicable.</p> <p>Initiatives have been taken to identify and approach potential industry/institutional partners for signing new MoUs.</p>	
3.	Mr.PradheepJohn	<p>Suggested that certain exercises in the Computer Aided Modeling (3D) Laboratory be practiced manually for better understanding.</p>	<p>Based on the suggestion, the lab syllabus has been modified allowing the students for manual practice alongside software tools.</p>	

4.	Dr.S.SenthilRaja	Recommended students take up real-time projects in collaboration with reputed industries and present their outcomes during end-semester exams.	Necessary actions have been taken to implement real-time project collaboration.	
		All faculty members should actively participate in more Faculty Development Programs (FDPs) and Short-Term Training Programs (STTPs) to continually update and enrich their technical knowledge.	Faculty members have been encouraged and advised to enroll in relevant FDPs and STTPs regularly. Participation will be monitored and supported institutionally.	



CHAIRMAN

Board of Studies-Mechanical Engineering

Chairman - BoS

Dept. of Mech Engg. - ESEC