



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 9th BOARD OF STUDIES MEETING

10th July 2024 @ 11.00AM

Zoom meeting link

<https://us06web.zoom.us/j/89024056670?pwd=SSXdsR8YogtqIn1xYiZBwGQ2qfeOiM.1>

Meeting ID: 890 2405 6670

Pass code: 730074



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DEPARTMENT OF MECHANICAL ENGINEERING

MINUTES OF 9th BOARD OF STUDIES MEETING

MODE: Through Online

Zoom link & Meeting ID

<https://us06web.zoom.us/j/89024056670?pwd=SSXdsR8YogtqIn1xYiZBwGQ2qfeOiM.1>

Meeting ID: 890 2405 6670

Venue: MECHANICAL SMART CLASS ROOM

10th July 2024 @ 11 A.M.

AGENDA

The 9th Board of Studies Meeting is convened to review the curriculum of Regulations 2023 BE Mechanical Engineering (English and Tamil medium), curriculum of M.E., (Manufacturing Engineering) and M.E., (Industrial Safety Engineering), 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 Fifth and Sixth semesters of BE Mechanical Engineering (English & Tamil Medium), Revised Curriculum for M.E., Industrial Safety Engineering and M.E., Manufacturing Engineering.

BoS /MECH / 9.1	:	Welcoming Board of Studies members and opening remarks by the Chairman, Board of Studies, Department of Mechanical Engineering.
BoS /MECH / 9.2		To review and approve the minutes and action taken reports of previous 8th BOS meeting.
BoS/ MECH / 9.3	:	To review and approve the changes in R2023 curriculum for BE Mechanical Engineering (Both English and Tamil Medium).
BoS /MECH / 9.4	:	To review and approve the syllabus for the subjects added in the first four semesters as per the modified curriculum.

BoS /MECH / 9.5	:	To consider and approve the syllabus of Fifth semester and Sixth semester of R2023 UG Mechanical programs.
BoS /MECH / 9.6	:	To consider and approve the changes in the curriculum of R2023 of ME Manufacturing Engineering and ME Industrial Safety Engineering, as suggested by the Academic Council members.
BoS /MECH / 9.7	:	Any other points suggested by the members.

MINUTES OF THE MEETING

The 9th Board of Studies meeting of Department of Mechanical Engineering, Erode Sengunthar Engineering College (Autonomous), Perundurai, Erode, Tamil Nadu was held on 10th July 2024 at 11 AM . through online.

The following members were present:

S.No	Name of the Members with affiliation	Category
1.	Dr. M. Pandian, 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
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. J. Balaji, Associate Prof. / MECH	
10.	Dr. S. Suresh, Associate Prof. / MECH	
11.	Dr. S. Navaneethakrishnan, Associate Prof. / MECH	
12.	Prof. V.P. Krishnamurthy, Assistant Professor / Mech	
13.	Prof. P. Chokkalingam, Assistant Professor / Mech	
14.	Prof. N.S. Mohan, Assistant Professor / Mech	
15.	Prof. G. Dhayanithi, Assistant Professor / Mech	
16.	Prof. S. Karthikeyan, Assistant Professor / Mech	
17	Prof. A. Prabhakaran, Assistant Professor / Mech	

BoS /MECH / 9.1	<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 / 9.2	<p>TO REVIEW AND APPROVE THE MINUTES AND ACTION TAKEN REPORTS OF PREVIOUS 8TH BOS MEETING.</p> <p>The Chairman, BOS of the Mechanical Engineering presented the minutes of the previous 8th BOS meeting and also action taken reports of the same. The Board thoroughly have gone through them and found completed.</p>
BoS / MECH 9.3	<p>TO REVIEW AND APPROVE THE CHANGES IN R2023 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 "Engineering Physics" which was kept as embedded course has been changed as theory and practical course separately as per the suggestions of the Board of Science and Humanities.</p> <p>The practical course "Engineering Chemistry Laboratory" which was taught in the first semester has been shifted to second semester due to administrative reasons.</p> <p>Due to practical difficulties on having "Engineering Mechanics" course in third semester, this course is being introduced in the first semester in updated curriculum applicable for 2024 -25 admitted batch.</p> <p>Based on the suggestions of BOS, An exclusive "Machine Drawing Laboratory" (to be practiced manually) is introduced in the third semester in order to make the students understand the Drawing concepts clearly.</p> <p>The practical course "Computer Aided Drafting 3D" laboratory has been moved to Fifth semester from Third semester, where the students will learn to draw the part and assembled diagrams of mechanical elements using SOLIDWORKS software.</p> <p>On the advice of the previous BOS meeting, the "Production Technology" course is introduced as embedded course in the updated curriculum in third semester applicable for 2024-25 admitted batches onwards. The Chairman said that no much change had been made in the curriculum from fifth semester to eighth semester. After careful discussions the Board resolved to approve the changes.</p>

BoS / MECH 9.4	: TO REVIEW AND APPROVE THE SYLLABUS FOR THE SUBJECTS ADDED IN THE FIRST FOUR SEMESTERS AS PER THE MODIFIED CURRICULUM.
	: The Chairman BoS has presented the syllabus of the following newly introduced courses for discussion and approval: <ol style="list-style-type: none"> 1. Engineering Mechanics - First semester 2. Machine Drawing Laboratory - Third semester 3. Production Technology - Third semester 4. Manufacturing Processes - Fourth semester 5. Strength of Materials - Fourth semester <p>After thorough discussions, the Board resolved to approve the syllabus of the above courses.</p>
BoS / MECH 9.5	: TO CONSIDER AND APPROVE THE SYLLABUS OF FIFTH SEMESTER AND SIXTH SEMESTER COURSES OF R2023 UG MECHANICAL PROGRAMS.
	: The Chairman, BoS has presented the syllabuses of Fifth and Sixth semester courses of BE Mechanical Engineering (both English and Tamil medium) for consideration and approval. <p>Dr. K. Kumaravel, University nominee, has informed to add recent text books and reference books, instead of very old volumes.</p> <p>Dr. K. Kumaravel has also emphasized that number of experiments on all laboratories have to be either reduced or can be merged with other similar experiments, in order to facilitate the absentees also perform all exercises without any lapse.</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 Laboratory have to be practiced manually. Chairman clarified that Machine Drawing lab is introduced in Third semester where students are practicing to draw the diagrams manually. Hence Manual practicing does not require in this laboratory.</p> <p>Dr. K. Kumaravel and Dr. Senthil raja have suggested that students may be asked to go through the literatures thoroughly on the particular topic and advised to submit the report based on the outcome of literatures review and presented the same for end semester examination, as three hours per week schedule under Mini- Project will not suffice to complete the project within the stipulated hours.</p>


BoS / MECH 9.5 (Cont...)	<p>Dr. K. Kumaravel and Mr. N. Senthilkumar has urged us to include "Hybrid Electric Vehicle" as one of the courses in the curriculum. The Chairman informed that "Hybrid Electric Vehicle" is being introduced under Professional Electives.</p> <p>After thorough discussions, the Board resolved to approve the syllabuses of the Fifth and Sixth semester courses of BE Mechanical Engineering programs.</p>
BoS / MECH 9.6	<p>TO CONSIDER AND APPROVE THE CHANGES IN THE CURRICULUM OF R2023 OF ME MANUFACTURING ENGINEERING AND ME INDUSTRIAL SAFETY ENGINEERING, AS SUGGESTED BY THE ACADEMIC COUNCIL MEMBERS.</p>
	<p>The Chairman, BOS has informed that Academic Council members suggestion to offer Professional Electives from the second semester onwards, instead of from first semester, as few students may join the courses after commencement of classes.</p> <p>The Course "Research Methodology and IPR" has to be offered in the first semester itself, commonly to all PG programs.</p> <p>The another member of Academic Council suggested to offer the course "OHSAS 18000 & ISO 14000" as professional core instead of professional elective.</p> <p>After having gone through the curriculum of PG programs, the Board resolved to approve the changes made in the curriculum of PG programs.</p>
BoS / MECH 9.7	<p>ANY OTHER ITEMS</p>
	<p>Dr. K. Kumaravel appreciated that the structure of the curriculum is good for all the programs.</p> <p>Dr.N. Alagumurthi suggested conducting such meetings in physical mode, as it is very difficult to follow up in online meetings due to internet and power cut issues.</p> <p>Finally the Chairman expressed his sincere thanks to the members for having provided the valuable informations and a suggestion to improve the quality of the syllabus as well as it is meeting the current requirements of all stakeholders.</p>




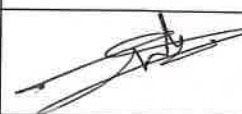



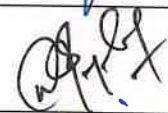




CHAIRMAN
 Board of Studies - Mechanical Engineering
 Chairman - BoS
 Dept. of Mech Engg. - ESEC

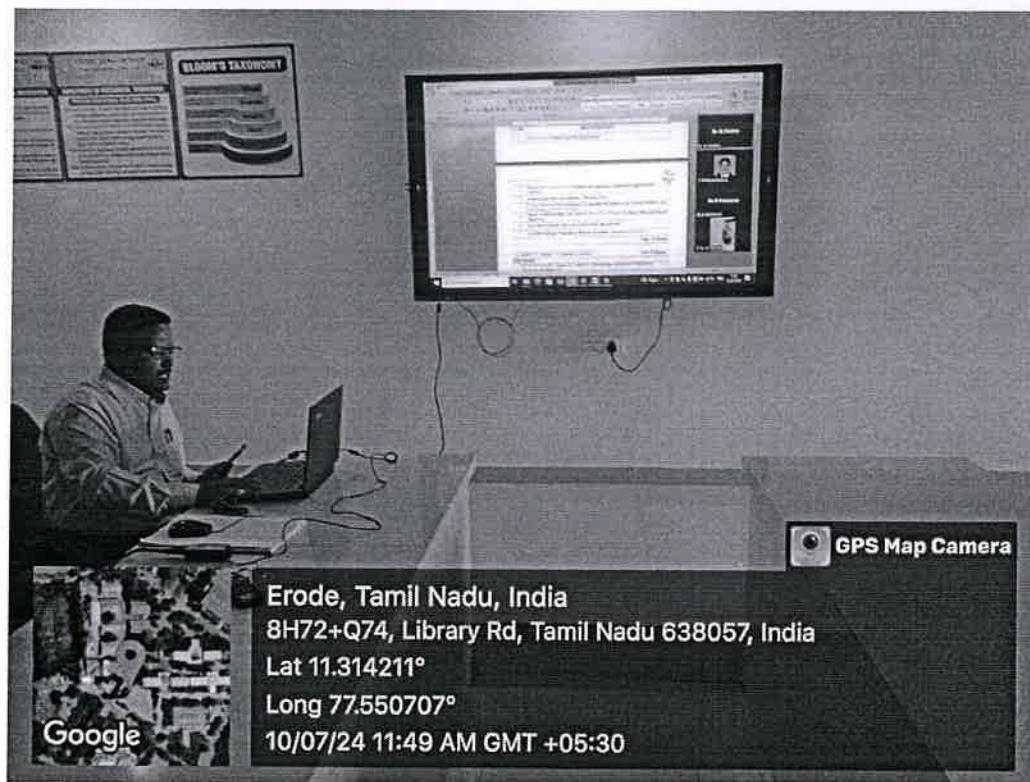
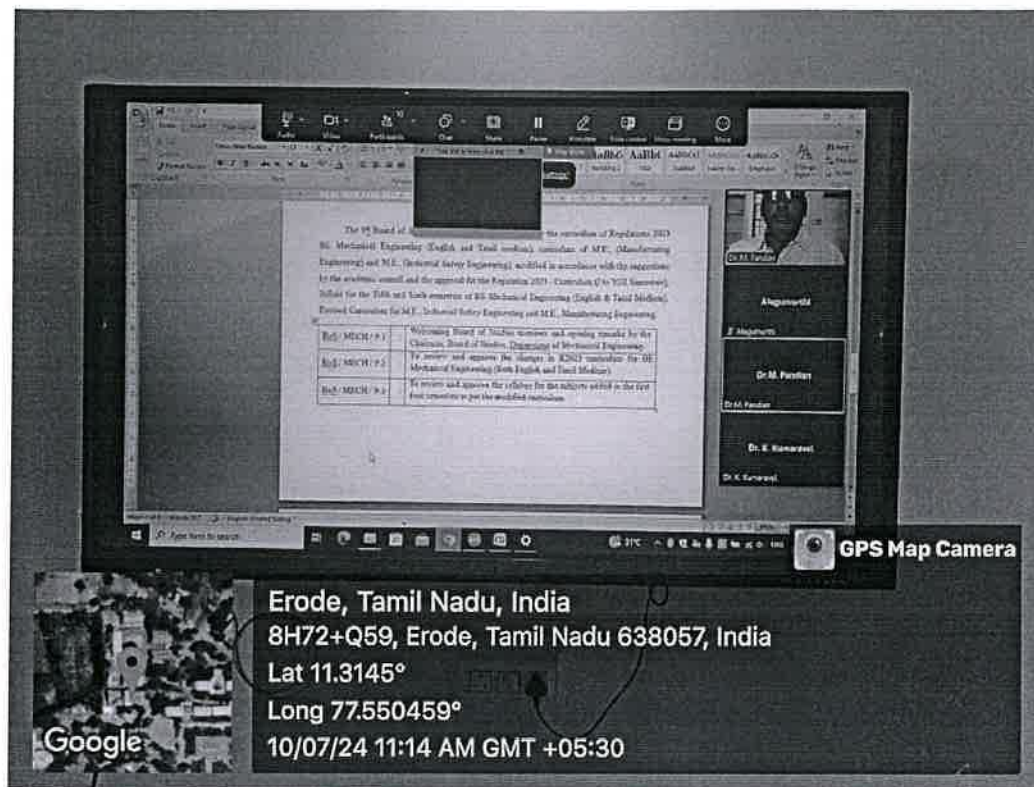
ANNEXURE – I

The 9th Board of Studies meeting of Department of Mechanical Engineering, Erode Sengunthar Engineering College (Autonomous), Perundurai, Erode, Tamil Nadu was held on 10th July 2024 at 11 AM. through online.

The following members were present:

S.No	Name of the Members with affiliation	Category	Signature
1.	Dr. M. Pandian, 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	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 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	

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	Present in ONLINE
7.	Dr. N. Saravanan, Professor / MECH	Internal Members	
8.	Dr. P. Thangavel, Professor / Mech		
9.	Dr. J. Balaji, Associate Prof. / MECH		
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16.	Prof. S. Karthikeyan, Assistant Professor / Mech		
17.	Prof. A. Prabhakaran, Assistant Professor / Mech		



Snap shot for Board of studies meeting held on 10.07.2024



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DEPARTMENT OF MECHANICAL ENGINEERING

ACTION TAKEN REPORT FOR 9th BOS MEETING CONDUCTED ON 10.07.2024

Sl.No.	Name of the Expert	Suggestion Given	Action Taken	Remarks
1.	Dr. K. Kumaravel	Add latest editions of Text Books in the syllabus.	Accepted..	-
2.	Dr. K. Kumaravel & Mr. N S Senthilkumar	Kindly reduce the number of experiments or exercises in the laboratories or merge the exercises, if possible.	Accepted and changed the syllabus of the concerned lab as suggested.	-
3.	Dr. K. Kumaravel	As Mini-project cannot be carried out by the students with 3 hours per week schedule, it is suggested that outcome of the literature review can be submitted as report and to be presented for evaluation.	Accepted.	-
4.	Mr. Pradheep John	In Computer Aided Modelling lab, few exercises may be practiced manually.	In order to make the students understand the concepts of Drawing clearly, Machine Drawing lab is introduced in the updated curriculum where the students would draw the diagrams manually.	-

Sl.No.	Name of the Expert	Suggestion Given	Action Taken	Remarks
5	Dr. K. Kumaravel & Mr. N S Senthilkumar	It is suggested to include Hybrid Electric Vehicle as one of the course in the curriculum.	Hybrid Electric Vehicle courses is included in the curriculum as professional elective.	-
6	Dr. S. Senthil Raja & Dr. N. Alagumurthi	As it is very difficult to follow up the presentation in online meetings, such meetings in future may be conducted in offline.	Accepted.	-
7.	Dr.N. Alagumurthi	As some embedded courses are introduced in this regulation, assessment procedure must be explicitly informed to the Professors and Students.	Accepted. Information related to assessment of Embedded courses is passed on to the staff members through faculty meetings and to the students through Class committee meetings and also through regulations manual.	-


Chairman - Bos
 Dept. of Mech Engg. - ESEC