



DEPARTMENT OF MECHANICAL ENGINEERING

REF: DSEC/BoS/ME004/2024

Date: 03.10.2024

Minutes for Board of Studies Meeting – IV

The Fourth board of studies meeting for the Department of Mechanical Engineering was held on 03.10.2024 at 2.00 p.m. in the Board Room- DSEC, convened by the Head of the department as the Chair.

The following members were present for the Board of Studies meeting:

S.NO	NAME OF THE MEMBER WITH DESIGNATION AND OFFICIAL ADDRESS	RESPONSIBILITY IN THE BoS	SIGNATURE
1	Dr. M.Chellappan, Professor & Head Department of Mechanical Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur-621212.	Chairman	
External Members			
2	Dr. K.Chockalingam Professor Department of Mechanical Engineering, Thiagarajar College of Engineering, Madurai- 625 015	University Nominee	
3	Dr. N.Nandakumar Professor & HoD, PG -Engineering Design Department of Mechanical Engineering, Government College of Technology, Coimbatore – 641 013	Academic Expert	
4	Dr. A.Bovas Herbert Bejaxhin Associate Professor, Department of Mechanical Engineering, Saveetha School of Engineering, Saveetha Institute of Medical And Technical Sciences, Thandalam, Chennai - 602 105.	Academic Expert	
5	Mr. T.Vimalraj General Manager, R&D Wheels India Limited, Padi, Chennai- 600 050.	Industrial Expert	

6	Mr. C.Fredrick Co – Founder & Technical Manager, Dexterity Design Services Private Limited, Chennai.	Alumnus	<i>C. Fredrick</i>
Internal members			
7	Dr.S.Anbu Associate Professor Department of Mechanical Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur.	Subject Expert	<i>S. Anbu</i>
8	Mr. S. Suthagar , Assistant Professor Department of Mechanical Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur.	Subject Expert	<i>S. Suthagar</i>
9	Mr. S.Karparajan Assistant Professor Department of Mechanical Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur.	Subject Expert	<i>S. Karparajan</i>
10	Mr. R. Anandhan , Assistant Professor Department of Mechanical Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur.	Subject Expert	<i>R. Anandhan</i>
11	Mr. R. Rajesh , Assistant Professor Department of Mechanical Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur.	Subject Expert	<i>R. Rajesh</i>

Agenda for the Board of Studies Meeting – Mechanical Engineering

1. Introduction – Overview of the Institution and the Department.
2. Discussion on Curriculum Structure – Review of R2021 (Anna University) and R2023 regulations.
3. Curriculum and Syllabi Review – Discussion on the curriculum and syllabi for:
 - B.E. Mechanical Engineering (Semesters III to VIII)
 - M.E. CAD/CAM (Semesters I to IV)
under Autonomous Regulation 2023 for students admitted in the academic year 2023–2024 (First Year).
4. Approval of Courses – Finalization of:

- Professional Electives
 - Open Electives
 - Employability Enhancement Courses for the B.E. Mechanical Engineering program.
5. Evaluation System – Discussion and approval of the assessment and evaluation methodology.
 6. Curriculum Uniqueness – Deliberation on the distinctive features and innovative aspects of the curriculum.

Minutes of the 4th Board of Studies Meeting – Mechanical Engineering

Item I: Welcome Address

Dr. M. Chellappan, Chairman (BoS), welcomed the external and internal members to the **4th Board of Studies meeting** held on **03.10.2024 at 02:00 PM** in the **Boardroom, DSEC**. Following the welcome address, the agenda was presented for discussion. The curriculum and syllabi for **B.E. Mechanical Engineering (MECH) and M.E. CAD/CAM** were then introduced, and the minutes of the meeting are recorded as follows.

Item II: Discussion of B.E., Curriculum and Syllabus from (III to VIII) semester under R-2023

Based on the suggestions provided by the members, it was **resolved to approve the syllabi** for **B.E. Mechanical Engineering** with the following modifications:

- **Prerequisites** for all courses should be clearly specified while framing the syllabus.
- **Web resources** should be included along with textbooks and reference materials.
- The syllabus for **U23MEV42 – Additive Manufacturing Processes** should be **reduced** in the area of **Verticals IV – 3D Printing**.
- CO and PO mapping should be included for all subjects
- Green energy technology-based subjects should be included.
- Industrial safety based subjects should be included
- In the fifth semester, for the subject *Dynamics of Machines*, the weightage of topics in reference books should be arranged with the most relevant first, followed by others.

Item III: Approval for Professional Elective, Open Elective and Employability Enhancement Courses etc., for B.E Mechanical engineering programme.

One more vertical, Modern Mobility Systems, should be included.

➤ Piping Software may be added in the Process Equipment and Piping Design Verticals.

- Refrigeration and Air conditioning course to be added in the Diversified Course group.

- In Vertical 4, for the subject *Printing Technology*, the textbook is missing and should be added
- In Vertical 1, for the subject *Design Course and Standards*, reference books are missing and should be added.
- In Vertical 2, for the subject *Sensors and Instrumentation*, the following books should be added to the reference list:

1. B.C. Nakra & K.K. Choudhary – *Instrumentation, Measurement, and Analysis*

2. J.P. Holman – *Sensors and Instrumentation*

- In Vertical 1, for the subject *Design of Pressure Vessels*, *Design of Pressure Vessels* by Mohinder L. Laya should be added to the reference books

Item IV: Discussion of M.E., Curriculum and Syllabus from (I to IV) semester under R-2023

The M.E. curriculum and syllabus from Semester I to IV under R-2023 were discussed and approved without any comments.

Item IV: General

- The editions of the textbook and reference books should be updated with recent years, maintaining a uniform format of author followed by title
- Add a sample question paper aligned with the revised Bloom's Taxonomy

C.C:


Chairman-BOS