



MUTHAYAMMAL ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi, Accredited by NAAC, NBA & Affiliated to Anna University)
Rasipuram - 637 408, Namakkal Dist., Tamil Nadu.

Department of Mechatronics Engineering

Minutes of 4th Board of Studies Meeting

Venue: Mech Research Centre

Date: 04.05.2024

- | Sl.No. | Members |
|--------|---|
| 1. | Dr. N. Natarajan – Chairman, Board of Studies
Professor & Head,
Department of Mechanical Engineering,
Muthayammal Engineering College,
Rasipuram-637408. |
| 2. | Dr. R. Arularasan – University Nominee
Professor,
Department of Mechanical Engineering,
UCE – BIT Campus,
Tiruchirappalli – 620 024 |
| 3. | Dr. A. Baraniraj – External Subject Expert
Associate Professor,
Department of Mechanical Engineering
Government College of Engineering
Salem – 636011. |
| 4. | Mr. P. Anand - Industry Expert
Assistant Engineer,
Oil & Ash Handling Division,
Mettur Thermal Power Station-I TANGEDCO Ltd,
Salem- 636406. |
| 5. | Mr. S. Aravindha Balaji - Industry Expert
Senior Consultant,
GEMBA CONCEPTS,
No.10 L Dr.Rajkumar Road below Kajaria world,
Rajajinagar ,Bangaluru- 560010. |

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Chairman-Board of Studies
Department of Mechanical Engineering
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6. **Dr. S. Sundaram - Member**
Professor & Dean/Mech-MEC
7. **Dr. K. Gunasekaran - Member**
Professor/Mech- MEC
8. **Dr. P. Suresh - Member**
Professor & Dean /Mech /MEC
9. **Dr. R. Senthil Kumar -Inter Disciplinary Member**
Professor & HoD /MZ /MEC
10. **Dr. J. Rangarajan -Inter Disciplinary Member**
Professor /ECE /MEC
11. **Dr. J. Bensamraj- Member**
Professor/Mech -MEC
12. **Dr. S. Boopathi - Member**
Professor/Mech -MEC
13. **Dr. R. Manivannan - Member**
Professor/Mech -MEC
14. **Dr. D. Velmurugan - Member**
Associate Professor/Mech - MEC
15. **Dr. T. Yuvaraj- Member**
Associate Professor/Mech - MEC
16. **Dr. S. Perumal-Member**
Assistant Professor /MZ/MEC

Agenda

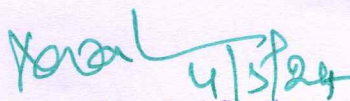
- R2023- Curriculum & Syllabi (I Sem to VIII Sem) for Mechanical Engineering and Mechatronics Engineering under choice Based Credit System (CBCS).
- R2023- Curriculum & Syllabi under Choice Based Credit system (CBCS) for M.E – CAD/CAM.

Minutes of Meeting

- The Chairman welcomed all the members for the 8th Board of Studies Meeting of the Mechanical Engineering Board.

- The previous meeting minutes were discussed and rectified.
- Academic Expert Suggests for CO-PO Mapping should be done using numbers.
- The members appreciated the introduction of New courses in professional core & Elective Courses in mechanical engineering program like:
 - Mechatronics and IoT
 - Production planning and control,
 - Process planning and Cost estimation.
- The Contents of the following courses are updated,
 - Engineering Materials and Metallurgy
 - Manufacturing Technology
 - Fluid Mechanics and Machinery
 - Hydraulics and Pneumatics
 - Mechanics of Machines
 - Strength of Materials
 - Finite Element Analysis
 - Design of Transmission Systems
 - Thermal Engineering
- The following laboratory courses are merged
 - Computer aided machine Drawing & Computer Aided Manufacturing Laboratory
 - Strength of Materials and Fluid machinery laboratory.
 - Metrology and Dynamics Laboratory
- The following New Laboratory courses introduced like Mechatronics and IoT laboratory, Simulation laboratory were introduced.
- Included internship in 4th sem, 5th sem and 7th semester in Mechanical Engineering and Mechatronics Engineering.
- Latest version of text books and reference books are updated.
- Members insisted to offer Finite Element Analysis in VI Semester instead of V Semester.
- The Humanities and Social Sciences courses (HS), Basic Science (BS) were discussed and finalized.
- The Anna University Nominee Suggested that the entire mandatory course included in the Curriculum is with reference of UGC guide lines and AICTE Curriculum for Mechanical Engineering and Mechatronics Engineering.
- General Engineering Science (ES) baskets and model Curriculum for the first year of Mechanical Engineering and Mechatronics Engineering were discussed and finalized.
- Curriculum is suggested by Curriculum Development Committee (CDC) and the same is reviewed and recommended.

- Discussed about the Curriculum considering the guidelines of UGC, AICTE, Premier Institutions, Foreign Universities, PEOs, POs and PSOs of the program and the views of the stakeholders.
- The attainment level of Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) were discussed.
- Discussion about the Value Added Courses, Employability Courses, Entrepreneurship and Skill Development Courses which were suggested by the stakeholders is made.
- In the program of Mechatronics Engineering the following subjects has been introduced in the basket also in curriculum,
 - Electronics Manufacturing Technology
 - Medical Mechatronics
- The Contents of the following courses are updated,
 - Transforms and Boundary Value Problems
 - Design of Machine Elements
 - Manufacturing Technology
 - Applied Hydraulics and Pneumatics
 - Robotics Machine Vision System
 - Micro Controller PLC
 - Automatic Robots
- Finally the Chairman thank to all the members for their Presence and also for their Valuable Suggestions towards the important of the Curriculum and Syllabus of the Mechanical Engineering and Mechatronics Engineering.


 Chairman-Board of Studies
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