



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY



An Autonomous Institution

Affiliated to Pondicherry University, Approved by AICTE, New Delhi.

Accredited by NAAC with 'A' Grade

Kalitheerthalkuppam, Puducherry- 605 107.

Department of Mechanical Engineering

Minutes of the Meeting of 2nd Board of Studies for Department of Mechanical Engineering held on 29.01.2026

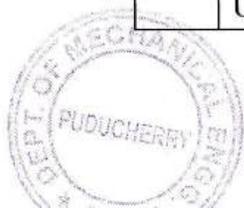
The meeting of 2nd Board of Studies for the Department of Mechanical Engineering was held on 29.01.26 at 10.00 am on online mode.

Zoom Link:

<https://us06web.zoom.us/j/88121906075?pwd=62C7QqJWgrO9MU5EaaEpdgBbbAyVdy.1>

Members attended:

Sl. No.	Name with designation & Address	Category
1.	Dr. B. RADJARAM Professor and Head, Department of Mechanical Engineering, Manakula Vinayagar Institute of Technology, Puducherry.	Chairman
2.	Dr. S. RAVI Professor & Head , Department of Manufacturing Engg. Annamalai University, Chidambaram, Tamil Nadu.	University Nominee
3.	Dr. T. SENTHILVELAN Professor & Former Head, Department of Mechanical Engineering, Puducherry Technological University Puducherry.	Expert Member
4.	Dr. N. SENDHIL KUMAR- Dean (Student Welfare), Associate Professor, Department of Mechanical Engineering, National Institute of Technology, Karaikal Puducherry.	Expert Member
5.	Dr. R.MURUGANANDHAN, Associate Professor, Department of Mechanical Engineering, College of Engg., Anna University, Guindy, Chennai.	Expert Member



6.	Er A. NARAYANAN- Vice president, MGM-SAFL, Chennai.	Industry Expert
7.	Er. G. VIGNESH KUMAR (2015-19), Consultant, KPMG Global services, Bangalore.	Alumni member
8.	All faculty members of the Department of Mechanical Engineering.	Members
9.	Dr. Govindan Vedhanayagam, Associate Professor and Head, Department of Robotics and Automation.	Co-opt Member
10.	Mr. S. Ravichandran, Associate Professor, Department of Mathematics	Co-opt Member
11.	Mr. K. Anand, Associate Professor, Department of Physics.	Co-opt Member
12.	Mr. S. Balaji, Assistant Professor, Department of Computer Science.	Co-opt Member
13.	Mr. D. Balaji, Assistant Professor, Department of Electrical & Electronics Engg.	Co-opt Member

Agenda for BOS meeting:

- 1) Welcome Address by Chairperson, Board of Studies (BoS).
- 2) To confirm the Minutes of the 1st Board of Studies Meeting held on 19.07.2025.
- 3) To approve the changes made in the 1st Year curriculum and syllabi as suggested by the experts.
- 4) To submit proposed B.Tech Degree Mechanical Engg - Curriculum and Syllabi for IIIrd & IVth semester under Regulations 2025 for the students admitted in the Academic Year 2025-2026 for discussion.
- 5) Clarification on passing requirement.
- 6) Any other item with the permission of chair

Agenda 1: Welcome Address and Introduction

At the commencement of the meeting, Dr. B. Radjaram, Chairman – BoS, welcomed all the BoS members and thanked them for their valuable participation. The Chairman introduced the faculty members of the Department of Mechanical Engineering and the co-opted members from various departments of the institution. The meeting then proceeded with the agenda items.



Agenda 2: To confirm the Minutes of the 1st Board of Studies Meeting held on 19.07.2025.

The Chairman presented and discussed the minutes of the 1st BoS Meeting with all members. He also summarized the 1st Year syllabus and curriculum prepared as per the recommendations of the BoS members. The Chairman confirmed with all members that the 1st BoS meeting Minutes stand approved.

Agenda 3: To approve the changes made in the 1st Year curriculum and syllabi as suggested by the experts.

The Chairman confirmed with all members that the suggestions provided by the members, along with the required changes were incorporated into the 1st Year syllabus.

Agenda 4: To discuss and approve the B.Tech Degree Curriculum and syllabi for IIIrd & IVth semester under Autonomous Regulations 2025 for the students admitted in the Academic Year 2025-2026.

- The Chairman presented the proposed curriculum for **Second Year (IIIrd and IVth semesters)** for discussion and suggestions.
- **Prof. Dr. T. Senthilvelan** enquired about the content and coverage feasibility of the **25UMEP36- Advanced Manufacturing Process Lab**, considering the volume of content. After discussion, the syllabus was accepted with certain recommendations to include **CNC Part Programming** in the lab syllabus and also to introduce **CNC Machine as Theory-cum-Practical**, with **one week allotted separately for teaching the theory part**.
- Prof. Dr.T.Senthilvelan appreciated for treating **25UMET33-Fluid Mechanics and Machinery** and **25UMET34-Applied Thermodynamics** in the 3rd semester as individual theory course since the content is vast.
- Prof. Dr. T. Senthilvelan raised a query regarding teaching of Robotics theory part for the practical course **25URAP48-Robotics Lab**. The Chairman clarified that Robotics-related topics will be covered under **25UMET44-Mechatronics, Robotics & Control** theory course in the 4th semester.



- **Prof. Dr. R. Muruganandhan** suggested reducing a subject credit from **4 to 3** for **25UMET32-Mechanics of Solids**.
- Prof. Dr. T. Senthilvelan clarified that the course includes **3 hours analytical + tutorial hours**, hence **4 credits** are appropriate.
- It was suggested to include the **tutorial hours separately in the timetable**.
- The Chairman informed that **Machine Drawing** is clubbed with **CAD Lab** and formed as an integrated course **25UMEI45-Computer aided machine drawing theory & Lab**, he further added that the students will practice **manual machine drawing in class**, followed by practical implementation in **CAD Lab**.
- **Prof. Dr. R. Muruganandhan** requested to review the syllabus content and suggested revising the title of **Unit II** as: **“Preparation of Manual Drawings of Parts and Assembly”**
- For practical part, it was suggested to title as: **“Preparation of 2D Computer Aided Drawings for Parts and Assembly.”**
- The Chairman presented the syllabus content of **25UMET44-Mechatronics, Robotics & Control**, mentioning that the previously given syllabus in Pondicherry University for the respective subject felt to be vast and, based on student’s feedback and it was difficult to complete.
- **Prof. Dr. T. Senthilvelan** agreed and the recommended certain corrections on **revising and reducing the content** suggesting to shift **Unit II – Sensors to Metrology and Mechanical Measurements theory course in 5th semester**, and also mentioned that instead of LVDT/transducer, include **non-contact measurement methods in the syllabus**.
- **Prof. Dr. Ravi** and other BoS members also affirmed the suggestions given.
- **Prof. Dr. N. Sendhil Kumar** enquired about the credits allotted for the **Mini Project**.
- **Prof. Dr. N. Sendhil Kumar** questioned about the syllabus of **25UMEP46-Thermal Engineering Lab**. He mentioned to remove the experiments based on Heat & Mass Transfer and include the 4 experiments in Heat & Mass Transfer making it as an Integrated course in 5th semester.
- **Prof. Dr. T. Senthilvelan** suggested splitting the credit allocation for **Seminar as 1 credit** and **CVV as 1 credit** in the final year curriculum for better credit distribution.
- The Chairman discussed the syllabus content with the Industrial Expert **Mr. A. Narayanan** of Production & Operations Management.



- Prof. Dr. T. Senthilvelan suggested including **Project Management** as one unit instead of **CPM and PERT**, so that students can learn about **national/international contracts, pricing, tenders, etc.**

Agenda 5: Clarification on passing requirement.

The members clarified that the passing requirement is a minimum of 40% marks in the end-semester exam and overall aggregate of 40% marks. The members recommended this as the same condition is being followed in Pondicherry University Regulation (R2023), and the same can be updated in the B.Tech Regulations 2025 in Autonomous.

Resolution:

- The Chairman confirmed with all members that the **First BoS Minutes** stand approved.
- The BoS members approved the **revised First Year syllabus and curriculum (R2025)**.
- The members provided suggestions for revision and improvement in **IInd year(IIIrd & IVth semester)** syllabus.
- The Chairman agreed to incorporate the recommendations in the revised curriculum draft.
- The Chairman informed the members that the hard copy of the revised IInd Year syllabus will be shared shortly.
- It was also informed that the **Third BoS Meeting** will be conducted for the final approval of the **Second year syllabus before reopening of 3rd semester.**

The meeting is ended with vote of thanks.



Dr. B. RADJARAM

Professor and Head/Chairman

Dr. B. RADJARAM, M.Tech., Ph.D.
Professor & Head
Dept of Mechanical Engineering
Manakula Vinayagar Institute of Technology
Puducherry-605 007.

