



Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering
 Sector No. 26, Pradhikaran,
 Nigdi, Pune – 411 044

Minutes of Meeting: 11th Board of Studies Mechanical on 29th Nov 2025

The Eleventh Board of Studies Mechanical meeting was held on Saturday, 29th November 2025 at 10.00 am in **Offline and online mode: Google Meet**: <https://meet.google.com/jes-yumc-ojf>

The following members were present:

Sr. No	Name	Designation
1.	Dr Pravin R Kale, Professor Head of Department	Chairman
2.	Dr Gautam S. Chandekar, HOD, Mechanical Engineering Department, Cummins College of Engineering, Pune.	University Nominee
3.	Dr Suhas S. Mohite, Professor, Mechanical Department, COEP, Pune	Subject Expert other than Parent University
4.	Dr Nitin Gulhane, Professor, VJTI Mumbai	Academic Representative
5.	Dr Nitesh P. Yelve, Assistant Professor, Mechanical Engineering Department, IIT, Bombay, Mumbai	Academic Representative
6.	Ms. Shubhda Padwal, Harman International Pvt Ltd, Pune	Alumni Representative
7.	Dr P A Deshmukh – Professor Subject Expert, Heat Transfer	Subject Expert
8.	Dr Narendra R. Deore – Professor Specialization: Computational Fluid Dynamics	Subject Expert
9.	Dr U. G. Potdar – Professor Specialization: Combustion	Subject Expert
10.	Mr. Sanjiwan K. Bhoite – Associate Professor Module Coordinator – Manufacturing Engineering	Subject Expert
11.	Dr L. V. Awadhani – Associate Professor Module Coordinator – Design Engineering	Subject Expert
12.	Mr. U. I. Shaikh – Assistant Professor Module Coordinator – Thermal Engineering	Subject Expert
13.	Dr R. A. Gujar – Associate Professor Module Coordinator-Robotics and Automation Engg.	Subject Expert
14.	Dr A B Lingayat – Assistant Professor, PG Coordinator Computational Mechanics, Module Coordinator Skill enhancement.	Subject Expert
15.	Mr. A. A. Panchwadkar, Associate Professor Specialization: Noise Vibration & Harshness	Subject Expert

16.	Dr N. Vivekanandan – Associate Professor Specialization: Industrial Safety Engg	Subject Expert
17.	Dr Sanjay P. Salve – Associate Professor Specialization: Refrigeration & Air Conditioning	Subject Expert
18.	Dr C. L. Ladekar, Associate Professor Specialization: Heat Transfer	Subject Expert
19.	Dr Mrs. N. A. Mandhare – Associate Professor Specialization: Turbo-machines	Subject Expert
	Dr L. V. Awadhani – Associate Professor, Autonomy Coordinator	Secretary

Leave of absence was granted to the following Members and Invitees:

Sr. No	Name	Designation
1.	Dr Hemant Raghunath Sonawane, Executive Director, Pune Metro, Pune	Industry Representative
2.	Dr D. G. Thakur, Professor, Department of Mechanical Engineering, Defence Institute of Advanced Technology, Pune	Subject Expert other than Parent University
3.	Mr. Rajendra Londhe, GM, Kubota Agriculture Machinery (I) Pvt. Ltd, Pune	Experts for special courses of Studies
4.	Dr Santosh S. Hosmani. Professor, Department of Metallurgical Engineering and Materials Science, IIT, Indore	Academic Representative
5.	Mr. Rahul Yadav, Vice President, Anand Group of Industries, Chakan Pune,	Industry Representative
6.	Mr Vidyut Mhetras, Founder and CEO, VINIDAs Gurukulam of Entrepreneurship and HRD	Experts for special courses of Studies
7.	Dr S B. Matekar-Associate Professor PG Coordinator- Engineering Design	Subject Expert
8.	Dr Mrs Jaya Goyal- Assistant Professor Specialization: Energy Engineering	Subject Expert

The agenda for the meeting was as under:

Sr. No.	Description	Action Required
1.	Statutory Matters Confirm the MOM and Action taken report of 10 th BOS meeting dated 28 th May, 2025.	Confirmation from the BOS
2.	B Tech Syllabus for Regulation 2023	Discussion and Approval
3.	Minor Changes in FY, SY, TY Regulation 2023, M Tech Engineering Design, M Tech CM	Discussion and Approval

4.	Changes in Curriculum Structure 2023 Regulations	Discussion and Approval
5.	Closure of B Tech Working Professional Programme	Discussion and Approval
6.	Suggestions received through the Academic Audit	Information
7.	Any other point with the permission of the Chair	Discussion and Approval

Dr L V Awadhani welcomed all the members of the Board of Studies Mechanical.

11:01 Statutory matters

To confirm the Minutes of the last BoS Meeting (dated:28/05/2025)

Dr P R Kale welcomed all the members of the BoS Team, he presented and read the MOM of the last BOS.

Dr P R Kale also expressed actions taken-

In the syllabus in Autonomy Cycle 2, the weightage for theory and lab is nearly 50% each. Courses are with 2 Th + 2 Lab credits and 3 Th + 1 Lab. As per suggestions Mini project for workshop practice 3 is included.

It was resolved to confirm the minutes of the Tenth BoS meeting.

11:02 B Tech Syllabus for Regulation 2023

Dr. L.V. Awadhani proposed the UG structure in accordance with the implementation of NEP for B.Tech, highlighting the inclusion of two core courses: Mechanical Vibrations and Acoustics, and Refrigeration & Air Conditioning. He also presented the list of Professional Elective Courses 4 and 5 offered by different modules in the 7th and 8th semesters. Project stage I and MDM Project will be for both scheme A and B and is offered in the 7th semester.

Dr Nitesh P. Yelve asked why there are two schemes, so Dr. Awadhani explained the same. Dr. Awadhani also brought to notice that scheme C cancellation, which was there in the previous regulation.

Dr R. A. Gujar presented the PEC offered by the Automation Module. Industrial Process Automation is offered as PEC 4, and Biomechanics and Biomedical Engineering as PEC 5. BOS members appreciated the contents of the syllabus and gave some suggestions:

- Reframing of the course outcomes to include verbs like Evaluate, Analyse, etc.

- CO to be mapped with POs 7, 8, 7, 8, 9.
- Dr Suhas Mohite recommended adding an expert lecture from a medical background.

Mr. S. K. Bhoite presented the PEC offered by the Production Module. The suggestions received from the BOS members for different courses are given below:

Operations Research:

- Reframe the course outcomes to a higher level.
- Dr Suhas Mohite suggested including programming assignments and software to solve complex problems.

Lean Six Sigma:

- Dr Suhas Mohite suggested introducing some assignments in FA such that PO9 can be mapped.

Engineering Economics and Management:

- Ms. Shubhda Padwal suggested including the cost and financial statement.
- As the Tendering unit is introduced in the course, Dr. Mohite suggested mapping ethics-related PO as it involves ethical practices to be followed for the fair tendering process.
- Elaboration of topics to be made while framing the syllabus.
- Update the Course Outcome 4.

Smart Manufacturing

- Dr Suhas Mohite suggested including the industrial visit to provide exposure related to the course.

Mr. U. I. Shaikh presented the courses offered by the Thermal module. The Suggestions received from BOS members are:

Refrigeration and Air Conditioning:

- Dr Suhas Mohite suggested including recent issues like global warming, air quality, environment, and sustainability related to RAC.
- HVAC is not mentioned in the syllabus. Include the same in the syllabus.
- Theory syllabus is exhaustive, try to make it concise the same.

- For the RAC lab study, experiments can be reduced to reduce the number of experiments.
- Club visit experiments in the experiment list.
- Reframe the CO6.

No suggestions were there for the Thermal Analysis of Bio System, Electronic System Cooling, and Thermal Management system for electric vehicle.

Dr. G. G. Momin presented the syllabus for Power Plant Technology and suggestions received are:

- Dr Suhas Mohite suggested including emerging trends in the Power Plant Technology.
- Include the sustainability aspect in the syllabus.

Dr. Sanjay Salve presented the syllabus for Solar Energy Technology, and the suggestions received are :

- Dr. Mohite suggested including economic, technological development, reliability, recycling, and life of equipment aspects in the syllabus.

Dr. Ishan Sathone presented the Project guidelines under the skill enhancement module, and no suggestions were there. Internship guidelines were already approved in the 10th BOS.

Dr. L. V. Awadhani presented the PEC offered under the Design Module. The suggestions received for the different courses are as below:

Mechanical Vibration and Acoustics (Theory and Lab):

- Dr Suhas Mohite suggested to include Eigen value numerical and vibration mitigation systems in the theory course.
- Introducing numerical related to multi-degree freedom system.

No suggestions were received for Adhesive Technology and Computer-Aided Design courses. For Product Design and Development, BOS members suggested re-framing the course outcomes.

11:03 Minor Changes in FY, SY, TY Regulation 2023, M Tech Engineering Design, M Tech CM

- For **Turbo-machines Lab** (PEC 3 Lab) selecting number of experiments updated.
- For the Programming & Problem-solving Laboratory 1 course minor changes such as interchange of software from Python to Matlab, reframing of course outcome, updating book list, etc. were presented.
- For MDM 3D printing the change of Printer name is required.

It was resolved to approve Minor Changes

11:04 Changes in Curriculum Structure 2023 Regulations

Dr. L. V. Awadhani presented the proposed curriculum structure for the 2023 regulations which includes the following points.

- Academic standing committee decision on reducing TY Open elective course, redistribution of Programme core and elective courses and EEM courses ownership to the departments was explained to the BoS members.
- Currently most of the TY Programme electives are programme core courses and this creates a gap to a learner in linking various courses in the curriculum. Hence he presented a detailed proposal of placement of various core courses and the programme elective courses to be applicable to FY batch entering in AY 2026-27.
- For TY batch entering in AY 2026-27 he presented the structure and the programme core courses and programme elective courses.
- There is no change in the SY curriculum for the batch entering in AY 2026-27. But this batch will have TY courses changed as mentioned in the previous point.

It was resolved to approve Curriculum Structure 2023 Regulations

11:05 Closure of B Tech Working Professional Programme

Dr. Sanjay Salve presented the number of admissions for working professional programme for 2023-24, 2024-25 and 2025-26 academic year for Civil, Mechanical and Computer courses due to less admission it is proposed for closure of B Tech Working Professional Programme and same was approved by the BOS members.

11:06 Suggestions received through the Academic Audit

Mr. U.I. Shaikh informed BoS of suggestions received and action taken through Academic Audit. The suggestions received are;

- Fluid Mechanics (PCC Semester 4) - Less Credits, Practical numbers are more
- Heat Transfer (PCC Semester 5) - Less Credits (Already implemented)
- Engineering Thermodynamics (ECC Semester 2) - No use of Practical Remove these experiments
- CAE Lab (VSEC Semester 6) - Merge with computational lab

11:07 Any other point with the permission of the Chair

Dr. L. V. Awadhani presented the Change in the MDM Course Name,

- Previous MDM Name: Product Design and Development
- Proposed name: Human-Centered Product Innovation

Currently this MDM is not applicable for Mechanical Engineering students. With the new title and changing a common course on aesthetics and ergonomics it can be applicable to Mechanical Engineering students as well.

It was resolved to approve the change in MDM name and make it available to Mechanical Engineering students.

On behalf of PCCoE and Team Mechanical, HOD and Chairman BoS Dr P R Kale expressed gratitude towards the contribution and Time devoted by all the external and internal BoS members.

Prepared by:
Mr. G. D. Kale



Dr P R Kale
Professor and Head,
Chairman Board of Studies
Mechanical Engineering Department

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BoS Meeting Photographs (Offline and Online)

