



**Annasaheb Dange College of Engineering and  
Technology, Ashta  
An Autonomous Institute**

**Minutes of Meeting**

**BOS Meeting: “M.Tech – Design Engineering” - Revision 0**

**Day & Date – Saturday, 29<sup>th</sup> March, 2025**

**DEPARTMENT OF MECHANICAL ENGINEERING**



Sant Dnyaneshwar Shikshan Sanstha's  
**Annasaheb Dange College of Engineering and Technology**  
Ashta, (District: Sangli)  
**Department of Mechanical Engineering**  
**BOS: MINUTES OF MEETING**  
**Date: 29<sup>th</sup> March, 2025**



**BOS Meeting Report & Minutes**

**Day & Date – Saturday, 29<sup>th</sup> March, 2025**

Mode: Hybrid

Time: 10.30 am to 12.30 pm

**Members present for the Meet**

Sr. No	Name of Expert	Designation	Sr. No	Name of Expert	Designation
1	Dr. M. M. Jadhav	Chairman (HOD)	17	Mr. A. R. Mane	Member
2	Dr. V. R. Naik	VC Nominee	18	Mr. Y. P. Ballal	Member
3	Dr. S. S. Mohite	Academic Expert-1	19	Mr. G. B. Pawar	BOS In-Charge
4	Dr. S. S. Ahankari	Academic Expert-2	20	Mr. K. J. Burle	Member
5	Mr. Anil A. Kute	Alumni Representative	21	Mr. H. H. Patil	Member
6	Dr. Ramesh S. Gavade	Industry Representative	22	Mr. S. V. Patil	Member
7	Dr. A. P. Patil	Expert for Special Courses	23	Mr. P. V. Mali	Member
8	Mr. V. V. Khade	Expert for Special Courses	24	Mr. G. M. Chendke	Member
9	Dr. L. Y. Waghmode	In-Charge Director	25	Mr. S. T. Ghutukade	Member
10	Dr. S. P. Chavan	Member	26	Mr. S. V. Nishandar	Member
11	Dr. P. D. Kulkarni	Member	27	Mr. P. B. Patil	Member
12	Dr. V. B. Patil	Member	28	Mr. A. A. Mohite	Member
13	Dr. A. A. Jadhav	Member	29	Ms. S. S. Jadhav	Member
14	Dr. A. R. Kadam	Member	30	Ms. P. U. Shinde	Member
15	Dr. R. R. Gaji	Member	31	Mr. A. G. Sanadi	Member
16	Mr. A. M. Pirjade	Member	32	Mr. A. G. Koparde	Member



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## **Agenda of the Meet**

<b>Sr. No.</b>	<b>Time</b>	<b>Particulars</b>
1.	10.30 am to 10.35 am	Welcome
2.	10.35 am to 10.40 am	Introduction of BOS Committee Members
3.	10.40 am to 10.45 am	To confirm the minutes of 10 <sup>th</sup> meeting of BOS
4.	10.45 am to 10.50 am	To note the action taken report on the decisions taken during 10 <sup>th</sup> meeting of BOS
5.	10.50 am to 10.55 am	Discussion on Department Achievements.
6.	10.55 am to 11.00 am	Discussion on Vision and Mission Statements
7.	11.00 am to 11.05 am	Discussion on Feedback from stakeholders on curriculum
8.	11.05 am to 12.00 pm	To discuss and modify the M.Tech – Design Engineering Curriculum structure and Detailed Curriculum as per NEP guidelines.
9.	12.00 pm to 12.05 pm	Vote of thanks



## **Minutes of Meeting**

1. Dr. M. M. Jadhav, Chairman (BOS) & Head of Mechanical Engineering Department chaired the meeting. Mr. G. B. Pawar welcomed all the members of BOS and Mechanical Department for Board of Studies 11<sup>th</sup> Meeting.
2. Mr. G. B. Pawar (Department BOS Incharge) briefed Minutes of meeting, suggestions and action taken report of previous (10<sup>th</sup>) BOS meeting and confirmed by BOS experts.
3. Dr. M. M. Jadhav discussed about the revision of Vision, Mission statements of Institute and Vision, Mission, PEOs and PSOs of Department. Regarding that the feedbacks from all stakeholders are collected.
4. Mr. A. M. Pirjade (PG Coordinator) presented M.Tech (Design Engineering) curriculum structure along with detailed curriculum of all courses of each semester prepared as per the guidelines prescribed by Institute, AICTE, UGC and NEP.
5. Mr. A. M. Pirjade briefed about professional Elective, Open elective, Mandatory, Self-learning & Vocational skill courses and its importance of floating to students as per demand of NEP.
6. Dr. S. S. Mohite suggested revisiting the names of course like Advance solid Mechanics, Machining Dynamics and assuring the content can be mapped to course outcome statements.
7. Dr. S. S. Mohite advised to take the self-learning courses from NPTEL which will be strictly from design domain only.
8. Dr. S. S. Mohite & Mr. Anil Kute suggested giving credits for Internship to retain its importance by adjusting the credits from Dissertation Phase -I credits.
9. Dr. S. S. Mohite instructed to add 2 experiments on optimization in the course Computational Methods and Optimization.
10. Dr. S. S. Mohite informed to add practical design problems in all Professional elective courses along with standard handling books, design data books and ISO Codes if possible.





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11. Dr. S. S. Mohite and Dr. Ramesh Gavade suggested to use IOT, wireless communication, AI driven data analysis, predictive maintenance, Industry 4.0 & application of Machine learning in Condition Monitoring course.
12. Dr. S. S. Mohite advised to add Transient and harmonic analysis experiments in FEA Laboratory.
13. Dr. S. S. Mohite advised to add content of Transient response and content related to MATLAB in the course Automatic Control.
14. Dr. S. S. Mohite suggested floating seminar topics based on Real life case studies.
15. Mr. S. V. Nishandar expressed Vote of Thanks to all BOS Members for their valuable suggestions & guidance.



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**The detailed suggestions for different courses are summarized below:**

**M.Tech – Design Engineering**

**SEMESTER-I**

<b>Course Code</b>	<b>Course</b>	<b>Suggestions given</b>
0DEMC501	Computational Methods and Optimization	<ul style="list-style-type: none"><li>• Lab content on optimization need to be added</li></ul>
0DEPC502	Advanced Design Engineering	<ul style="list-style-type: none"><li>• If possible change the subject name.</li><li>• Why “advanced” name to the subject</li></ul>
0DERM503	Research Methodology	No Suggestion
0DEPE504	Advanced Solid Mechanics	<ul style="list-style-type: none"><li>• Suggested to change the name as a solid mechanics or continuum mechanics</li></ul>
0DEPE505	Analysis and Synthesis of Mechanisms	<ul style="list-style-type: none"><li>• Practical design problems to be given for tutorial</li><li>• Student should make use of the design data book</li></ul>
0DEPE506	Mechanics of Composite Materials	<ul style="list-style-type: none"><li>• Suggested to add manufacturing techniques for the composite materials and applications also visit can be planned</li></ul>
0DEPE507	Tribology	No Suggestion
0DEPE508	Process Equipment Design	No Suggestion
0DEPE509	Design for Manufacturing and Assembly	<ul style="list-style-type: none"><li>• Unit number 5 robust design approach need to be rethink Optimum design maybe appropriate approach</li><li>• In unit number 6 case studies are to be included</li></ul>
0DEPE510	Experimental Stress Analysis	No Suggestion
0DEPE511	Reliability Engineering	No Suggestion
0DEPE512	Condition Monitoring and Fault Diagnosis	<ul style="list-style-type: none"><li>• ISO 10816 specific standard need to be identified and added</li><li>• Add iot devices in predictive maintenance</li></ul>
0DEPE513	Reverse Engineering	<ul style="list-style-type: none"><li>• Suggested to add adequate case studies</li><li>• 3D scanner is possible to be provided</li></ul>
0DEMA514	English for Research Paper Writing	No Suggestion



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**M.Tech – Design Engineering**

**SEMESTER- II**

Course Code	Course	Suggestions given
0DEPC515	Advanced Finite Element Analysis	<ul style="list-style-type: none"><li>• Transient analysis in lab case study</li></ul>
0DEPC516	Advanced Vibration and Acoustics	<ul style="list-style-type: none"><li>• NCH term missing maybe added in 6 unit</li><li>• Experiment on shaker machine should be added</li></ul>
0DEPE517	Fracture Mechanics	No Suggestion
0DEPE518	Vehicle Dynamics	No Suggestion
0DEPE519	Robotics	<ul style="list-style-type: none"><li>• Applications in aerial sector industrial applications</li><li>• Maybe agriculture drones</li></ul>
0DEPE520	Product Design and Development	<ul style="list-style-type: none"><li>• Introduction to quality standard should be added</li></ul>
0DEPE521	Machine Tool Design	No Suggestion
0DEPE522	Machining Dynamics	No Suggestion
0DEPE523	Automatic Control	<ul style="list-style-type: none"><li>• Add transient response</li><li>• Like sinusoidal step impulse response</li><li>• Content related to matlab is to be added</li></ul>
0DEPE524	Computational Fluid Dynamics	No Suggestion
0DEPE525	Design for Sustainability	<ul style="list-style-type: none"><li>• Circular economy to be added</li><li>• Recycling and reuse based approach must be taught</li></ul>
0DEPE526	Material Handling Equipment Design	<ul style="list-style-type: none"><li>• One topic should be added related to concrete handling in construction engineering</li></ul>
0DEOE527	Open Elective	No Suggestion
0DEMA528	Pedagogy Studies	No Suggestion
0DEV529	Seminar	<ul style="list-style-type: none"><li>• Seminars should be on real life case studies</li></ul>





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**SEMESTER- III**

Course Code	Course	Suggestions given
0DESC530	Self Learning Course I	No Suggestion
0DEMA531	Internship	<ul style="list-style-type: none"><li>• Suggested to have four credits to the internship</li><li>• Credits from Dissertation Phase -I can be given to internship</li></ul>
0DEV532	Dissertation Phase I	<ul style="list-style-type: none"><li>• Check for credit balance</li></ul>


**M.Tech – Design Engineering**

**SEMESTER- IV**

Course Code	Course	Suggestions given
0DESC533	Self Learning Course II	No Suggestion
0DEV534	Dissertation Phase II	No Suggestion

**Common suggestions if any:**

- Exit after 1st year is to be added
- Multi-disciplinary courses current trending subjects are asked to identified and if possible that can be added
- Suggested to give practical design problems for professional elective subjects during tutorial hour
- Python lab can be added in suitable semester

  
**Prepared By:**  
**BOS In-charge**

  
**Approved by**  
**H.O.D**  
**Mechanical Engineering**