

VIDYA PRATISHTHAN'S KAMALNAYAN BAJAJ INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING (NBA Accredited)

Minutes of BOS Meeting

Date: 27/02/2024

Minutes of the 2nd **BOS Mechanical Engineering** Meeting of BOS Members held on 27/02/2024 at 03.00 pm (Online Mode / BFL Conference Hall).


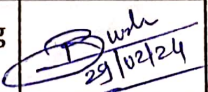
Online meet link :- <https://meet.google.com/bem-ajdt-yba>

Agenda:

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1. B.Tech. and M.Tech. FY I Semester results to be discussed.
2. B.Tech. First Year Curriculum modification based on the student feedback, if required.
3. B.Tech. SE to BE Curriculum and SE Syllabus (Semester III and IV) need to be finalized.
4. Any other points as per the requirements.
5. M. Tech. second-year syllabus.

Following BOS Members were present in the meeting: -

| Sr. No. | Name of Attendees | Designation | Sign |
|---------|--------------------|---|---|
| 1. | Dr. R. S. Bichkar | Principal, VPKBIET, Baramati |  |
| 2. | Dr. S. M. Bhosle | Chairman of BOS & Head of Mechanical Engineering Department VPKBIET, Baramati |  29/02/24 |
| 3. | Dr. N. K. Chougule | Member BOS, HOD Mechanical Engg, at COEP Technological University, Pune | Online Present |
| 4. | Dr. A. V. Muley | Member BOS, Associate Professor, at COEP Technological University, Pune | Online Present |
| 5. | Dr. Narendra Deore | Member BOS, Nominee from SPPU, Pune | Online Present |
| 6. | Dr. Dinesh Kamble | Member BOS, Professor Mechanical Engg VIIT, Pune | Online Present |
| 7. | Mr. Viraj Jamdar | Member, Meritorious Alumnus | Online Present |

| | | | | |
|-----|---------------------|---|---|-----------------|
| 8. | Dr. M. S. Lande | BOS Member, Mechanical Engineering, VPKBIET, Baramati | <i>(msl)</i> | |
| 9. | Dr. P. R. Chitragar | | <i>g</i> | |
| 10. | Dr. A. H. Kolekar | | <i>ahk</i> | |
| 11. | Dr. V. B. Gawande | | <i>vgawande</i> | |
| 12. | Dr. V. C. Todkari | | <i>vtodkari</i> | |
| 13. | Mr. P. D. Kale | | <i>pkale</i> | |
| 14. | Mr S V Shelge | | <i>svshelge</i> | |
| 15. | Mr. V. B. Bhagwat | | <i>vbbhagwat</i> | |
| 16. | Mr. D. D. Rupanwar | | <i>ddrupanwar</i> | |
| 17. | Mr. H. P. Borate | | <i>hpborate</i> | |
| 18. | Mr. K. M. Jadhav | | <i>kmjadhav</i> | |
| 19. | Mr. P. V. Dhandore | | <i>pvdhandore</i> | |
| 20. | Ms. M. S. Yadav | | <i>msyadav</i> | |
| 21. | Mr. S. H. Kumbhar | | <i>shkumbhar</i> | |
| 22. | Mr. D. S. Bhosle | | <i>dsbhosle</i> | |
| 23. | Mr. S. C. Mahadik | | Member Secretary, Mechanical Engineering, VPKBIET, Baramati | <i>smahadik</i> |

In the BOS meeting following points were discussed:

1. The failed students can take the re-exam within 15 days.
2. Engineering Chemistry & Engineering Mathematics results are low for that academic audit should be done to analyze the reasons and also identify weak students and take remedial action for results improvement.
3. For Engineering Mathematics III syllabus should be program-wise (more oriented towards applications of math in Mechanical Engg) or else Numerical & Statistical Methods courses can be introduced instead of Engineering Mathematics III. Also the subject teacher should think of introducing assignments related to Matlab, Statistical Analysis & Probability in mathematics III subject.

- FM subject should be included either in Sem-III or in Sem-IV as a core course of Mechanical Engg.

- Instead of ISE, we can go for continuous assessment + Assignments + Activity for 40% marks

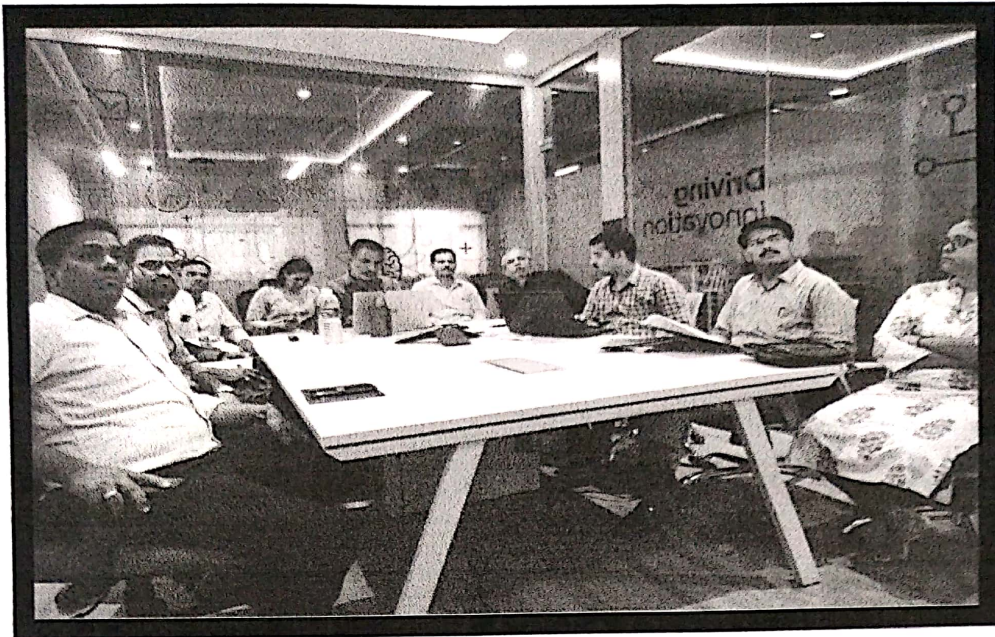
4. The structure for additional 8 Credits per multiple exit at FE, BE & TE are prepared and approved as per suggestion in first BOS meeting on 7 Sep 2023.



4. End-Sem exam heads (courses) count eight or more than 8 is on a higher side and may cause burden to students to try to reduce if possible.
5. Solid Mechanics course is missing from sem III & sem IV content, it may be introduced at the place of entrepreneurship course at Second Year level.
6. Solid mechanics can not be introduced under multidisciplinary minor, it has to be introduced as a core course.
7. Can we merge Engineering thermodynamics & applied thermodynamics? Subject teachers should think of it, *part of thermodynamics can be added in BME.*
8. Concept of self study for a few courses can be introduced like COEP.
9. In all lab practices one computer based experiment should be introduced for example - use of Ansys for design & thermal subjects, also use of MS-excel for doing calculations and plotting graphs / charts for math or statistics.
10. Tutorial contents are missing in Mathematics III, use of computer based tools, programming as a part of tutorial.
11. Instead of Solid Modeling & Drafting the subject name should be Computer Aided Geometric Modeling.
12. For the Kinematics of Machinery subject we can have oral instead of practical and for Computer Aided Geometric Modeling we can have practical instead of oral. (As per subject convenient faculty can decide for whether OR/PR exam should be conducted)
13. For the Kinematics of Machinery subject we can introduce six Co's instead of five CO's or combine Unit No. 3 & 4.
14. We can change the content of unit 2 of the workshop subject from FY B. Tech. based on student feedback received (Prof. V B Bhagwat).
15. M. Tech Robotics & Automation syllabus, internship can be kept in III semester or try if the courses offered in SEM-III can be taken in MOOCS form, so as to allow students to be in Industry if required for dissertation.

Link for recorded meeting: -

https://drive.google.com/file/d/1280E81pg00EvuH0eolXgvM_LuzDjt3Qa/view?usp=sharing



| Course Code | Courses Name | Teaching Scheme | | Examination Scheme and Marks | | | | | | | Credits | | | | | |
|--------------|---|-----------------|----------|------------------------------|-----------|------------|------------|------------|-----------|-----------|------------|-----------|----------|----------|-----------|---|
| | | TH | PR | Assn | ISE | ESF | TW | PR | O R | Total | T H | P K | T U I | Total | | |
| BS23201 | Mathematics - III | 3 | | 1 | 10 | 30 | 60 | 20 | | | | 120 | 3 | | 1 | 4 |
| ME23202 | Manufacturing Processes | 3 | 2 | | 10 | 30 | 60 | 20 | 30 | | | 150 | 3 | 1 | | 4 |
| ME23203 | Engineering Thermodynamics | 3 | 2 | | 10 | 30 | 60 | 20 | | 30 | | 150 | 3 | 1 | | 4 |
| MD23XX X | Introduction to Robotics | 2 | 2 | | 10 | 20 | 40 | 20 | 30 | | | 120 | 2 | 1 | | 3 |
| OE230XX | Open Elective | 2 | | | | | 60 | | | | | 60 | 2 | | | 2 |
| GS23202 | Entrepreneurship/ Economics/ Management Courses | 3 | | | 10 | 20 | 40 | | | 30 | | 100 | 3 | | | 3 |
| ME23204 | PBL | 1 | 2 | | | | | 20 | 30 | | | 50 | | 2 | | 2 |
| GS23203 | Environmental Studies | 2 | | | | | | | | | | | | | | |
| Total | | 19 | 8 | 1 | 50 | 130 | 320 | 100 | 90 | 60 | 750 | 16 | 5 | 1 | 22 | |

S. M. Bhosle
25/02/2024
Dr. S. M. Bhosle

BOS Chairman & HoD
Mechanical Engineering
VPKBIET, Baramati

R. S. Bichkar
Dr. R. S. Bichkar

Principal
VPKBIET, Baramati