



Marathwada Mitramandal's College of Engineering, Pune
An Autonomous Institute

BOARD OF STUDIES IN ENGINEERING SCIENCE AND HUMANITIES

Date: 05/07/2024

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Minutes of Board of Studies Meeting

Date of Meeting: 05th July 2024

Venue: MB603

Following members were present in the meeting:

1. Dr. P. K. Katare
2. Dr. Vivek Mallick
3. Dr. V. M. Bhandari
4. Dr. Radhika Menon
5. Mr. Vilas P. Rabde
6. Ms. Madhura A. Barshikar
7. Mr. Saurabh Varma
8. Dr. A. S. Sawaikar
9. Ms. M. S. Taware
10. Mr. A. N. Bochare
11. Dr. V. N. Patil
12. Dr. K. N. Handore
13. Mr. P. P. Yeanre
14. Ms. A. G. Joshi
15. Ms. D. S. Sisodia
16. Ms. V.Y. Shinde
17. Mr. A. S. Shinde
18. Mr. S. M. Sarate
19. Ms. D. R. Sangpal
20. Ms. S. A. Mashalkar
21. Mr. S. L. Karche
22. Mr. R. B. Kamble
23. Ms. S. D. Kar
24. Ms. S. Ghosh
25. Dr. M. A. Mane
26. Ms. Mallika C. H.

Agenda of meeting

1. Discussion of first year syllabus structures for UG
2. Approval of Credit structure of Engineering Science and Humanities courses
3. Approval of First Year Syllabus for UG
4. Any other point with the permission of Chairperson

Agenda	Responsibility and Target Date
Item 1: Discussion of first year syllabus structure for UG	
<ul style="list-style-type: none"> • At the beginning the Chairperson of BOS in Engineering Science & Humanities Dr. P. K. Katare gave a welcome address and briefed about the agenda of the meeting. • Syllabus structures of UG of all departments were discussed at length. • BoS suggested to prepare combined structure for 4 years. 	BoS Chairperson
Item 2: Approval of Credit structure of Engineering Science and Humanities courses	
<ul style="list-style-type: none"> • Courses and credit structure of each subject of Engineering science and Humanities was discussed and approved. 	BoS Chairperson
Item 3: Approval of First Year Syllabus for UG	
<p>S1: Applied Physics</p> <ol style="list-style-type: none"> 1. Similar proportion to be maintained between the weightage of each unit in the theory exam and required lectures per unit 2. Tools of CIE to be mentioned in the guidelines 3. Assessment rubrics of tools for continuous assessment of CIE and TW to be prepared 4. Consensus between the number of lectures available in a semester and total number of lectures required to complete the course to be ensured 	Dr. A. Sawaikar Ms. M. S. Taware Mr. A.N. Bochare
<p>S2: Applied Chemistry</p> <ol style="list-style-type: none"> 1. Dr.V. M. Bhandari suggested addition of reputed general reference books. And also suggested relating the topics with real time applications. 2. Prof. (Dr.) Radhika Menon mam asked to make equal hrs (duration) for each unit according to equal distribution of units in exam (ETE). 3. Refer safety manual for Applied Chemistry. Display Lab Safety Rules Dos & Don'ts. 4. The course structure and detail syllabus of Applied chemistry and Chemistry Lab was discussed and approved. 5. Number of lectures as per content needs to be revised. 6. Invite industry safety experts for the sessions on safety measures. 	Dr. V. N. Patil Dr.K. N. Handore Mr. P. P. Yenare
<p>S3 and S4: Engineering Mathematics – I and II</p> <ol style="list-style-type: none"> 1. Statements of prerequisite should be reframed. 2. Change multivariable word in CO3 of engineering Mathematics – I by several variables. 3. Do not use word discrete system for Fourier series representation. 4. Remove vector calculus from the syllabus of engineering mathematics – II. 5. Make two different units for Numerical methods to cover Numerical integration and Numerical differentiation. 6. Competitive examinations (like GATE, MPSC) based multiple choice 	Ms. V.Y. Shinde Ms. D. R. Sangpal Ms. A. G. Joshi Mr. A. S. Shinde Mr. S. M. Sarate Ms. D. S. Sisodia



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<p>question should be added in course content.</p> <p>7. Activities (Model making, presentation, etc.) for the students should be listed.</p>	
<p>S5: Geomatics</p> <ol style="list-style-type: none">1. The number of each unit should be equally divided or can be differ by one hour; there should not be drastic difference in number of lectures.2. IIRS (Indian institute of remote sensing) course content can be refereed for further future scope.3. The syllabus content found to be satisfactory by the BOS members.4. Some contents need to be shuffled in the fourth unit5. Course should be focused more on applications based.	<p>Ms. S. A. Mashalkar Ms. S. D. Kar Mr. R. B. Kamble</p>
<p>S6: Communication Skills</p> <ol style="list-style-type: none">1. Dr. Radhika Menon: Inquired about the software for the Language Lab and suggested including assessment rubrics.2. Dr. Vivek Mallick: Emphasized the need to assist students to enhance their comprehension abilities.3. Dr. V. M. Bhandari: Proposed adding components on gender sensitization, moral values, ethical use of social media under Digital Literacy modules.4. Dr. Vilas Radbe: No objections, agreed with the syllabus structure.5. Mr. Saurabh Verma: Highlighted the importance of developing students' presentation skills through practice, despite the increasing role of AI. Ms. Madhura Barshikar: Advocated for an activity-based approach to the course, recommending activities such as group discussions.	<p>Dr. M. A. Mane</p>
<p>S7: Indian Culture & Civilization</p> <ol style="list-style-type: none">1. Make the syllabus as "IKS applied to Engineering" as per the guidelines of NEP page 24.2. Few sections can be replaced with ancient structure.3. Vedic Mathematics and Architecture should be there in curriculum.4. Students should study about the history and flourished educational practices of ancient India.5. BoS suggested that Architecture should be included in the curriculum, so the students get to know about ancient temples and such engineering skills.	<p>Ms. S. Ghosh</p>
<p>S8: Yoga and Meditation</p> <ol style="list-style-type: none">1. Documentation of effect of yoga through questionnaires and basic medical diagnosis needs to be added.	<p>Ms. Mallika C. H.</p>
<p>S9: Performing Arts</p> <ol style="list-style-type: none">1. Suggested different books for the course content.	<p>Mr. S. L. Karche</p>
<p>Finally, Dr. M.A. Mane gave vote of thanks to all members of BoS for their valuable inputs.</p>	

Head

Department of Engineering Science and Humanities