



Minutes of the Board of Studies (BoS) Meeting

Dr. Ashwini Save, Head of Department and Chairman of Board of Studies (BoS) in Computer Engineering welcomed all members of Board and meeting commenced. She Highlighted the points of Agenda which are mentioned below:

Agenda

1. Review and Approval of First Year (FE) Curriculum
2. Adoption of University of Mumbai (UoM) Syllabus for Higher Semesters
3. Implementation of Examination and Evaluation Systems as per Autonomy Guidelines
4. Suggestions for Improvement in Standards of Teaching and Research
5. Any Other Academic Matter with the Permission of the Chair

Agenda 1: Review and Approval of First Year (FE) Curriculum

The proposed First Year curriculum was presented and detailed discussions were held regarding the course structure, credit distribution, learning outcomes, assessment methodology, and alignment with the National Education Policy (NEP) and industry requirements.

During the discussion:

- **Dr. Smita Ambarkar, V.C. Nominee Expert**, sought clarification regarding the weightage of Internal Assessments (IA-I and IA-II) and their relation to Continuous Assessment. **Dr. Ashwini Save** clarified that IA-I and IA-II are conducted independently and are not included in Continuous Assessment. The assessments ensure complete syllabus coverage, with the first three modules assessed through IA-I and the remaining three modules through IA-II.
- **Dr. Sumedh Pundkar** enquired whether the proposed workshop course was Electronics-based or Hardware-based. He suggested incorporating Electronics-oriented practical components if not already included. **Dr. Save** presented the detailed syllabus and clarified that the workshop was primarily Electronics-based. The members appreciated the relevance and structure of the workshop syllabus.

- **Dr. Bhavna Arora** appreciated the credit-based curriculum structure and observed that the inclusion of Python Programming in the First Year curriculum would provide students with a strong foundation and significantly benefit them throughout their engineering studies.

Resolution:

After detailed deliberations, the Board unanimously approved the proposed First Year curriculum. The members appreciated the inclusion of Python Programming, Electronics-based workshop activities, and well-defined assessment mechanisms. The Board recommended effective implementation and periodic review of the curriculum to ensure continuous improvement and academic excellence.

Agenda 2: Adoption of University of Mumbai (UoM) Syllabus for Higher Semesters

(Sem-III to Sem-VIII)

The department presented the proposal to adopt the University of Mumbai syllabus for higher semesters (Sem-III to Sem-VIII) during the transition phase of autonomy. The Board reviewed the curriculum structure, course outcomes, assessment schemes, and their relevance to current academic and industry requirements.

The members observed that adopting the University of Mumbai syllabus would ensure continuity for existing students while facilitating a smooth transition towards a fully autonomous curriculum framework.

Resolution:

The Board unanimously approved the adoption of the University of Mumbai syllabus for higher semesters during the transition period. The department was advised to progressively enrich the curriculum with value-added courses, industry-oriented content, skill-based learning components, and emerging technologies in future revisions.

Agenda 3: Implementation of Examination and Evaluation Systems as per Autonomy Guidelines

The Chairperson presented the proposed examination and evaluation framework developed in accordance with autonomous institution guidelines. The framework included Continuous Assessment, Internal Assessments, End Semester Examinations, grading policies, moderation mechanisms, and Outcome-Based Education (OBE) practices.

During the discussion:

- **Dr. Nilesh Yadav** emphasized the importance of incorporating assignments, quizzes, and mini-projects as components of Continuous Assessment to promote active learning and student engagement.
- **Dr. Ashwini Save** informed the Board that these components had already been integrated into the evaluation framework and were being effectively implemented through Term Work assessment.
- **Dr. Smita Ambarkar** sought clarification regarding the rubrics used for evaluating Term Work. **Dr. Save** explained the rubrics and assessment parameters adopted by the department to ensure transparency, fairness, and consistency in evaluation. **Dr. Ambarkar** further recommended extending rubric-based evaluation practices to First Year courses as well.

Resolution:

The Board approved the proposed examination and evaluation framework and appreciated its alignment with autonomous regulations and Outcome-Based Education principles. The Board recommended the continued use of transparent, rubric-based assessment practices across all semesters, including First Year courses, wherever applicable.

Agenda 4: Suggestions for Improvement in Standards of Teaching and Research

The Board discussed various measures to enhance the quality of teaching-learning processes and strengthen the research culture within the department.

The following suggestions were offered by the members:

- **Dr. Tatwadarshi P. N.** suggested encouraging faculty members and students to publish research papers, file patents and copyrights, and actively participate in research and innovation activities. He also recommended organizing Faculty Development Programmes (FDPs), workshops, internships, and expert lectures on emerging technologies.
- **Dr. Smita Ambarkar and Dr. Sumedh Pundkar** suggested providing greater opportunities for internships and industry exposure to students of higher semesters to enhance their employability and practical skills.
- **Dr. Nilesh Yadav** recommended motivating students to enroll in NPTEL, SWAYAM, and other MOOC-based certification courses to strengthen their domain knowledge and improve industry readiness.

Resolution:

The Board appreciated the valuable suggestions and recommended their implementation in a phased manner. The department shall actively promote research publications, intellectual property creation, industry-academia interaction, internship opportunities, FDPs, expert sessions, and participation in online certification programmes to enhance academic and professional development.

Agenda 5: Any Other Academic Matter with the Permission of the Chair

With the permission of the Chair, the members discussed general academic matters related to curriculum enrichment, student development initiatives, and strengthening industry-academia collaboration.

The members appreciated the efforts of the institution and the department in successfully implementing autonomy and expressed confidence in the department's academic vision and initiatives. They assured their continued support and guidance for future curriculum development and academic enhancement.

Resolution:

The Board placed on record its appreciation for the efforts undertaken by the department in implementing autonomy and resolved to extend continued support and guidance towards enhancing academic quality, research culture, and student development activities.

Conclusion

Dr. Ashwini Save proposed the vote of thanks and expressed gratitude to all the Board members for their active participation, valuable suggestions, and constructive feedback.

The meeting ended with vote of Thanks by HoD.

Key Recommendations of the Board of Studies

1. The First Year curriculum was approved with appreciation for the inclusion of Python Programming, which will strengthen students' programming foundation and support their learning in higher semesters.
2. The Board appreciated the Electronics-based Workshop course and recommended its effective implementation to enhance students' practical and hands-on learning experience.
3. The Board endorsed the use of Continuous Assessment through assignments, quizzes, and mini-projects to promote active learning, critical thinking, and continuous student engagement.
4. The Board recommended the adoption of rubric-based evaluation practices across all courses, including First Year courses, to ensure transparency, consistency, and fairness in assessment.
5. The Board approved the adoption of the University of Mumbai syllabus for higher semesters during the transition phase of autonomy and recommended gradual enrichment of the curriculum with industry-oriented and emerging technology content.
6. The Board recommended periodic review and updating of the curriculum to align with the National Education Policy (NEP), Outcome-Based Education (OBE), and current industry requirements.
7. The Board emphasized strengthening research and innovation activities by encouraging faculty members and students to publish research papers, file patents, and seek copyright registrations.
8. The Board recommended organizing Faculty Development Programmes (FDPs), workshops, expert lectures, and industry interaction sessions to enhance teaching effectiveness and technical competency.
9. The Board suggested providing increased internship opportunities and industry exposure for higher semester students to improve employability and practical skills.
10. The Board recommended motivating students to undertake NPTEL, SWAYAM, and other MOOC-based certification courses to enhance domain knowledge and industry readiness.
11. The Board encouraged strengthening industry-academia collaboration through expert talks, internships, collaborative projects, and skill-development initiatives.
12. The Board expressed its appreciation for the department's efforts towards the successful implementation of autonomy and assured continued support for academic excellence, curriculum development, and quality enhancement initiatives.