

Minutes

Minutes of the online meeting of the Board of Studies (Mathematics) held on January 16, 2023 at 4.00 p.m. Following members were present for the meeting.

1. Mr. Channayya Hiremath (Assistant Professor and Head of Department)
2. Prof. Dr. Thakar Sarita., Head, Department of Mathematics, Shivaji University, Kolhapur
3. Dr. Ashok Vitthal Bingi, Associate Professor, Mathematics Department, St. Xavier's College, Mumbai.
4. Pof. Dr. Shaikh Sadikali, Professor and Head Department of Mathematics, Maulana Azad College of Arts, Science and Commerce, Aurangabad.
5. Dr. Rajeev Sapre, Ex. Associate Professor and Head of Mathematics Department, Gogate Joglekar College, Ratnagiri.
6. Mr. Dhananjay M Kshirsagar Assistant Professor, ACS College, Lanja.
7. Miss Gayatri Joshi Assistant Professor, ASP College, Devrukh.
8. Mr. Ramesh Patil Finolex Industry, Ratnagiri.
9. Mr. Uday B. Bhatye Assistant Professor, ASP College, Devrukh.
10. Mr. Akshay Pabye Alumni ASP College, Devrukh.

Item No. 1: Welcome and Introduction of New Members.

Chairperson Mr. Hiremath welcomed new members Dr. Ashok Bingi and Dr. Sadikali Shaikh to the Board of Studies in Mathematics. New members introduced themselves, sharing their background and expertise in mathematics.

The following matters were discussed in the meeting and, consequently, the resolutions were passed as per the agenda.

Item No. 2: To review the minutes of the meeting held on 30th march,2022.

Assistant Professor Gayatri Joshi read the minutes from the meeting held on 30th march,2022.

The minutes were approved unanimously by all present members.

Resolution: It was resolved to accept and approve the minutes of the meeting held 30th march,2022.

Proposed by Dr. Gayatri Joshi and Seconded by Dr. Ashok Bingi

Item No. 3: To Review the current syllabus of FYBSc, SYBSc and FYBcom

Mr. Hiremath presented the current syllabi for FYBSc, SYBSc, and FYBCom, underscoring the necessity to realign them with NEP-2020. He highlighted the importance of incorporating the policy's six key verticals to ensure a comprehensive and futuristic curriculum. During the discussion, members scrutinized the existing syllabi, with Dr. Thakkar suggesting that while the current framework is adequate, modifications are necessary to conform to NEP-2020 guidelines. She stressed the need for targeted revisions to enhance the curriculum's relevance and effectiveness

Resolution: It is unanimously resolved that revisions are necessary in the F.Y.B.Sc. and S.Y.B.Sc. and FYBCom Mathematics syllabi to align with NEP-2020 guidelines.

Proposed by Mr. Hiremath Channayya

Seconded by Dr. Thakkar Sarita

Item No. 4: To discuss the new Course structure of B.Sc. (Mathematics) Programme under NEP-2020 considering all six verticals.

During the BOS meeting, Mr. Channayya Hiremath, Head of the Mathematics Department, unveiled a preliminary framework for the BSc Mathematics Programme, aligned with NEP-2020 guidelines. He

further elaborated on the incorporation of NEP-2020's six key verticals into the undergraduate program. He emphasized the need to align the curriculum with NEP-2020, incorporating its six key verticals to ensure a comprehensive and futuristic approach.

Dr. Ashok Bingi proposed that Mathematics be offered as a Major or Minor subject for science students at the FY level, with a tailored syllabus to match the chosen specialization. He also suggested that two theory papers will be retained each semester at the first-year level, either as minor or major subjects.

Dr. Sadikali Shaikh suggested designating Quantitative Aptitude as a vertical that is Open Elective, recognizing its significance for students preparing for competitive examinations. He emphasized its utility as a valuable skill-set for students pursuing various career paths.

Item No. 5: To start skill-based certificate courses.

Dr. Rajeev Sapre proposed the incorporation of Vedic Mathematics as a Skill Enhancement Course (SEC), recognizing its exceptional utility in fostering rapid calculation techniques and competitive exam success. By integrating Vedic Mathematics, students will develop enhanced cognitive abilities, expediting their calculations and amplifying their competitive exam readiness. Dr. Sapre recommended introducing Mathematical Practicals as an SEC in FYBSc, enhancing students' practical skills.

Dr. Sarita Thakkar suggested allocating two semesters for Mathematics courses in the Computer Science program

- Semester 1: Quantitative Aptitude
- Semester 2: Descriptive Statistics and Probability

She emphasized that these courses would be highly beneficial for Computer Science students, providing them with essential mathematical foundations.

Resolution: The committee unanimously agreed to develop a new structure for the BSc (Mathematics) program under NEP, incorporating all six verticals.

Proposed by Mr. Channayya. Hiremath

Seconded by Dr. Thakar Sarita

Item No. 6: Any other subject with the permission of the Chairman.

No other matters were discussed and the meeting concluded with the vote of thanks by Mr. Hiremath. The meeting ended at 5:30 pm.