

Meeting of the Board of Studies of Mathematics and Statistics department, Sophia College
held on May 8, 2021.

The meeting was conducted via Zoom at 4.00pm.

The meeting was attended by Mrs. Pradnya Kandeparkar, Mrs. Reena Deepak Nagda, Ms. Gayatri Maniar, Ms Vidya Konar and Mrs Sandra Mendes.

Changes were made to the syllabus of Mathematics Paper 1 (Calculus), Semester 2 and Mathematics Paper 2 (Discrete Mathematics), Semester 1 and 2.

In the Calculus paper, Vector Calculus was dropped and more applications of derivatives was included in the syllabus like Geometric Interpretation of Derivatives- applications such as rate of change in area and volume.

In the Discrete Mathematics Paper, topics of Recurrence relations and Spanning of trees were included. Complex numbers was merged with Polynomials so that students would be able to connect both topics in terms of concepts and applications.

Further, the following points were also discussed in the meeting.

- a. Due to the new online method of teaching, it was suggested to focus more on the applications of the theory while covering the syllabus.
- b. It was suggested to conduct projects and Internal Assessment with a focus on the interpretation of the results along with the analytical methods. This will ensure that the students understanding of the topics could be evaluated effectively.
- c. Students will be encouraged to take up courses online which could enable them to get a wider perspective of the concepts of the syllabus
- d. While working on Practicals, to ask the students to work on inference and interpretation along with the analysis methods.
- e. The examinations of the year was held online using the MCQ format. Faculty must focus on teaching the students to understand and apply the results and concepts taught.
- f. The format of evaluation is now 50 marks for Internal Assessment and 50 marks for the Semester End Examination. Atleast two tests or evaluation methods are to be conducted during the semester.
- g. The theory and the practical examinations will be conducted via the Zoom licensed platform with the students enrolled in the google classroom of the department. The department, staff and students were given the official sophiacollege.edu.in email account. The department and the staff were given G-Suite accounts.
- h. The faculty was encouraged to create short term or bridge courses (certificate course that would give the students one or two credits) that would enable students to look beyond the syllabus and into career – oriented application techniques – Suggestions given were Qualitative Techniques using software such as Excel, Python, R etc. These courses can also be conducted by external expertise.

The Head of the department thanked the members for attending the meeting and for their valuable suggestions. Since this BOS has met its tenure of three years, the Head once again thanked the faculty and looks forward to having some of the members for to give their valuable contribution for another three years.




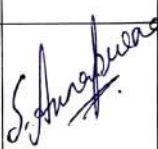


Sandra

SANDRA MENDES
HOD, Mathematics &
Statistics
Sophia College for Women

ATTENDANCE

Department of Mathematics & Statistics Board of Studies Meeting

Date: 08.05.2021 Time: 4.00P.M Venue: ZOOM

No	Designation	Name of the Board of Studies Member	Signature
1.	Chairperson	Ms. Sandra Mendes Associate Professor and Head, Dept of Mathematics & Statistics Sophia College Autonomous	
2.	Faculty Member	Ms. Vidya Konar Assistant Professor, Dept of Mathematics & Statistics Sophia College Autonomous	
3.	The Vice-Chancellor's Nominee	Mrs. Smita Rajesh Patgaonkar Associate Professor and Head, Dept of Statistics Kirti M Doongursee College of Arts, Science & Commerce, Mumbai 400028	
4.	Subject Expert 1	Mrs. Pradyna Khandeparkar Senior Adjunct Professor, Dept of Statistics, SVK's NMIMS University, Mumbai 400056	
5.	Subject Expert 2:	Dr. Ananthnarayan Hariharan Assistant Professor, Department of Mathematics, IIT Bombay Mumbai 400076	
6.	Subject Expert 1(Statistics):	Dr. S. Annapurna Associate Professor, Dept of Statistics , St. Xavier's College – Autonomous, Mumbai 400001	
7.	Subject Expert 2 (Mathematics):	Mrs Rekha Watve-Paradkar Associate Professor & Head, Department of Maths, SIES College of Arts, Science & Commerce, Mumbai 400020	
8.	Subject Expert 3 (Mathematics):	Mrs. Reena Shah <i>Dr. Reena Nagda</i> Assistant Professor and Coordinator, B.Sc(Comp. Sc) Mulund College of Commerce, Mumbai 400080	
9.	Representative from industry/corporate sector:	Mrs. Harshada Shringarpure Assistant Vice President – Actuarial (Valuation team lead) Kotak Mahindra Life Insurance Company Ltd., Mumbai	
10.	The Postgraduate Meritorious Alumnus:	Ms. Gayatri Maniar Shah Assistant Vice President, Leadership & Professional Development Team	