



**Department of Life Sciences,
Sophia College (Autonomous), Mumbai
13th Meeting of the Board of Studies (Life Sciences)
Held on Saturday 21st September 2024, at 1.15 pm
Venue: Virtual Meeting on Zoom platform.**

MEMBERS:

Name	Designation
Dr. Sree Nair	Chairperson: Assistant Professor and Head, Department of Life Sciences, Sophia College (Autonomous), Mumbai
Dr. Priya Sundarrajan	Vice Chancellor's Nominee: Professor, Department of Life Sciences and Biochemistry, St. Xavier's College (Autonomous), Mumbai
Dr. Indu Anna George	Subject Expert: Associate Professor and Head, Department of Life Sciences, University of Mumbai
Dr. Krishanu Ray	Subject Expert (from outside the parent university): Professor and Chairperson, Department of Biological Sciences, TIFR, Mumbai.
Dr. Swati Patankar	Subject Expert (from outside the parent university): Professor, Department of Biosciences and Bioengineering IIT-Mumbai.
Dr. Aditee Ghate	Representative from the Industry or the Corporate Sector/ Allied Area: General Manager -Compliance and Commercial Excellence Integrace Health
Dr. Radhika Tendulkar	Post-Graduate Meritorious Alumnus Assistant Professor, Department of Life Sciences and Biochemistry, St. Xavier's College (Autonomous), Mumbai

Minutes of the meeting:

To discuss changes and suggest further improvisations/any editing required in the approved syllabi for implementation in the academic year 2024-2025.

1. The chairperson welcomed and introduced all members attending the BOS meeting.
2. The meeting was held on 21st September, 2024, at 1.15 pm as an online meeting using a zoom platform.
3. The members who attended the meeting were Dr Swati Patankar, Dr Priya Sundarrajan, Dr Indu George, Dr. Krishanu Ray, Dr Sree Nair, Mr.Mayur Gaikwad, Dr.Geetanjali Ganguli, Ms.Rhea Nawalkar and Ms.Archana Jethwa, Mr Riddhesh Ahire.
4. Dr Nair proposed the agenda to be discussed in the meeting.

Agenda 1: To pass the minutes of the twelfth BOS meeting on **23rd April, 2024.**

The minutes of the 12th BOS were proposed by Dr. Sundarrajan and seconded by Mr.Gaikwad.

Agenda 2: To discuss and approve the Syllabus introduced for FYBSc Life Sciences Courses of studies under NEP, for the First and Second Semesters, for the Academic Year 2024-2025. To recommend changes if any are required.

Member suggestions to Agenda 2:

1. OE-1, in Semester 2 Gene editing techniques as the subtopic with CRISPR as examples.

The members gave consent to the proposed syllabus.

Semester I and II syllabus under NEP was discussed and approved by the members

Agenda 3: To discuss and approve Syllabus introduced for SYBSc Life Sciences Courses of studies under NEP, for the Third and Fourth Semesters, for the Academic Year 2024-2025. To recommend changes if any required.

The 2 credits VSC Bioinformatics practical syllabus and 2 credits Field projects were discussed.

Member suggestions to Agenda 3:

1. Dr. Priya Sundarrajan suggested keeping Bioinformatics as TY Elective Paper.
2. She also suggested shifting AGE and PAGE practical to TY.
3. Dr. Radhika Tendulkar suggested doing simple maintenance of model organisms as FP.
4. All members approved the Field Project of 2 credits.
5. The members gave consent to the proposed syllabus.

Responses to the query/suggestions:

1. Dr. Nair discussed that in the earlier Non NEP syllabus, Paper III of SY Semesters 3 and 4 consisted of Bioinformatics both in theory and practical. Ms. Nawalkar and Dr. Ganguli

explained the course structure and involvement of only life science students.

2. It was mentioned that the AGE and PAGE has been added as demonstration experiments in SY level.
3. In response to utilizing model organisms for field projects, Dr. Nair responded that as the allotment for field projects has been announced late in the semester, thus the students would perform toxicity assay on the model organisms this time, and from the next semester the projects will be properly streamlined.

The members discussed and approved all the new additions/deletions under the NEP syllabus.

Agenda 4: TYBSc Life Sciences Courses: To discuss the existing approved Syllabus for TYBSc Life Sciences Courses of studies, for the Fifth and Sixth Semesters, for the Academic Year 2024-2025. To recommend changes if any required.

Discussion regarding Paper IV practical were done

- Addition of phosphate analysis in water sample by Stannous chloride method
- Deletion of BOD/DO/COD from Water analysis for physicochemical characteristics

Member suggestions to agenda 4: The change in the syllabus was approved by the members without suggestions

Agenda 5: M.Sc Life Sciences Courses: To discuss the existing approved Syllabus for M.Sc Life Sciences Courses of studies under NEP, for the Third Semesters, for the Academic Year 2024-2025. To recommend changes if any required.

Member suggestions to agenda 5:

1. The members gave consent to the proposed NEP syllabus for Semester 4

Dr Nair presented details of add-on courses, events organized, and publications. Nair

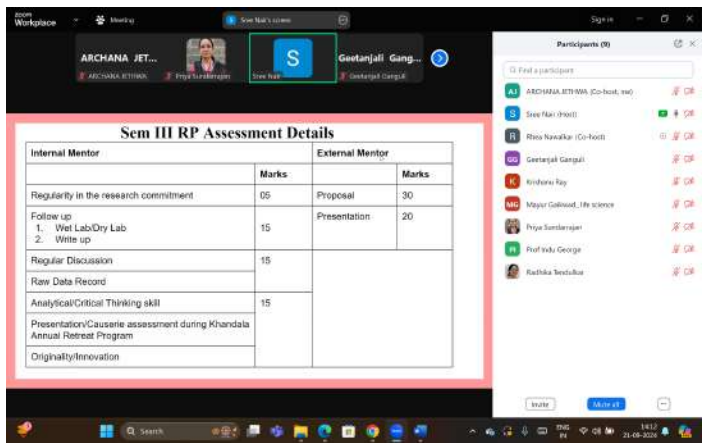
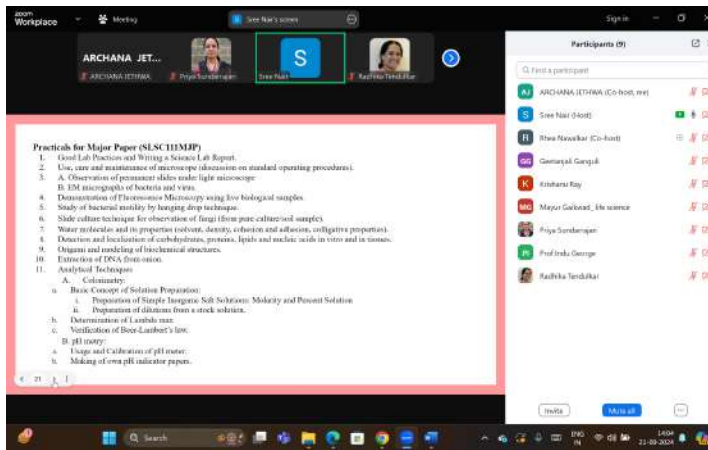
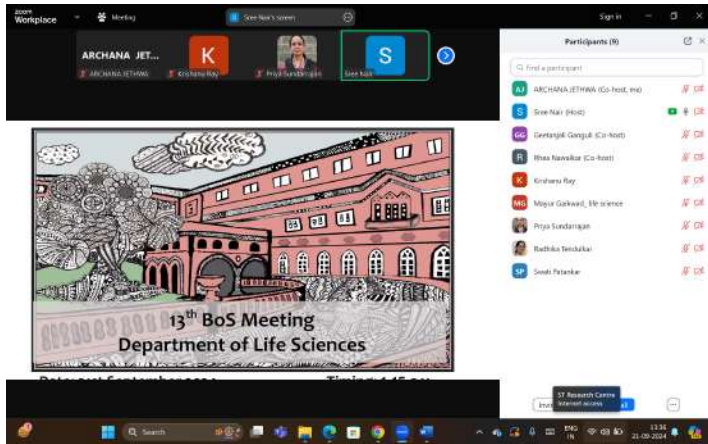
The BoS members appreciated the efforts taken by the department.

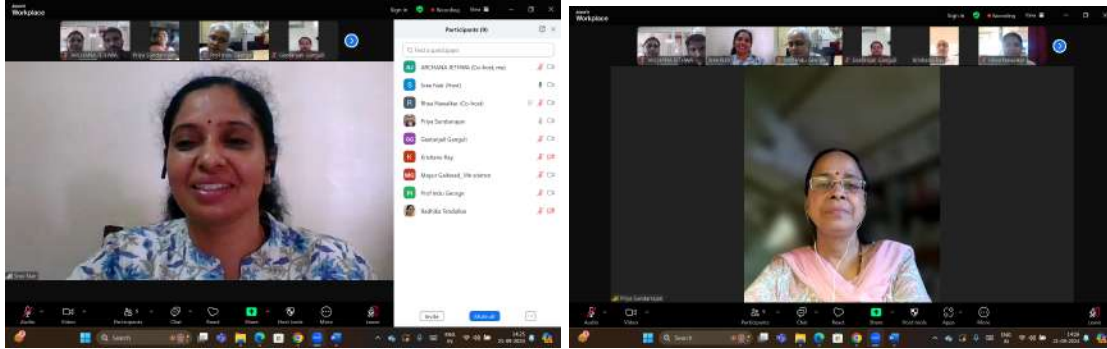
Dr Sree Nair thanked the Board of Studies members for their suggestions and discussions.

The chair thanked everyone for attending the meeting.

The meeting ended at 2.15 pm.

Images from the Zoom meeting





Online Ratification mail



The VC nominee further ratified the proposed NEP syllabus

HoD
Department of Life Science