



Anekant Education Society's

**Tuljaram Chaturchand College  
of Arts, Science, Commerce, Baramati  
(Autonomous)**

**DEPARTMENT OF MICROBIOLOGY**

(Faculty of Science and Technology)

**Minutes of Board of Studies Meeting No.9**

**Date of Meeting: 23/10/2023**

**Venue: Department of Microbiology**

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**October,2023**

Anekant Education Society's  
Tuljaram Chaturchand College of Art's, Science &  
Commerce, Baramati.  
Department of Microbiology

NOTICE


Date: - 12/10/2023

A meeting of BOS members of Board of Studies in Microbiology is scheduled on Monday 23<sup>th</sup> Oct, 2023 at 11.00am to 5.30pm. All members are requested to attend the meeting.


The agenda for the BOS meeting will include the following items:

1. To confirm the minutes of the previous meeting held on..7.1.2023.
2. To design and approve curriculum of S.Y.B.Sc Semester IV (2022 pattern) to be implemented from the academic year 2023-2024.
3. To design and approve curriculum of M.Sc.-II Semester IV (2022 pattern) to be implemented from the academic year 2023-2024.
4. To design and approve curriculum of F.Y.B.Sc. Semester II (2023 pattern as per NEP-2020) to be implemented from the academic year 2023-2024.
5. To design and approve curriculum of M.Sc.I Semester II (2023 pattern as per NEP-2020) to be implemented from the academic year 2023-2024.
6. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
7. Any other issue with the permission of the chairman.

Venue:- Microbiology lab-1

  
BoS Chairman & Head  
Dept.of Microbiology

  
IQAC  
Coordinator

  
Principal

Anekant Education Society's  
Tuljaram Chaturchand College, Baramati  
(Autonomous)

Department of Microbiology

**AGENDA OF THE MEETING**

The agenda of the meeting included the following subjects:

Agenda of Meeting:

1. To confirm the minutes of the previous meeting held on 9/6/2023.
2. To design and approve curriculum of S.Y.BSc semester IV (2022 pattern) to be implemented from the academic year 2023-2024.
3. To design and approve curriculum of M.Sc-II Semester-IV (2022 pattern) to be implemented from the academic year 2023-2024.
4. To design and approve curriculum of F.Y.B.Sc semester-II (2023 pattern as per NEP-2020) to be implemented from the academic year 2023-2024.
5. To design and approve curriculum M.Sc\_I semester-II (2023 pattern as per NEP-2020) to be implemented from the academic year 2023-2024.
6. To discuss and incorporate the relevant feedbacks of the stakeholders (Students, Teachers, Parents, alumni, and employers) in the curriculum.
7. Any other matter with the permission of the chair.

**List of Members Present for the BOS Meeting**

A meeting of BoS members in Microbiology was conducted through hybrid mode on 23<sup>rd</sup> October 2023.

The following members attended the meeting through offline mode:

Sr.No.	Name of Member	Designation
1.	<b>Dr. Sunil Pawar</b> Associate Professor, Department of Microbiology, T. C. College, Baramati.	Chairman
2.	<b>Dr. Milind Gajbhiye</b> Associate Professor, Department of Microbiology, T. C. College, Baramati.	Member
3.	<b>Dr. Mrs. Yogini Mulay</b> Associate Professor, Department of Microbiology, T. C. College, Baramati.	Member
4.	<b>Mr. Dhaval Doshi</b> Assistant Professor, Department of Microbiology, T. C. College, Baramati.	Member
5.	<b>Ms. Komal Jagtap</b> Assistant Professor, Department of Microbiology, T. C. College, Baramati.	Member
6.	<b>Ms. Priti Bhosale</b> Assistant Professor, Department of Microbiology, T. C. College, Baramati.	Member
7.	<b>Mr. Pradip Lonkar</b>	Industry Expert
8.	<b>Ms. Chaitrali Pathak</b>	Student representative
	The following members attended the meeting through online mode:	
9.	<b>Dr. Snehal Kulkarni</b>	Expert from SPPU
10.	<b>Dr. AV Petkar</b>	Expert from other University

## MINUTES OF THE MEETING

Concerning the Notice dated 12<sup>th</sup> October 2023, issued by the college, the meeting of Board of Studies in Microbiology was held on 23<sup>rd</sup> October 2023 at 11am in the Department of Microbiology, T. C. College, Baramati. This meeting of BoS members in Microbiology was conducted through hybrid mode. The meeting was conducted adhering to the guidelines and protocols set by the college. Dr. S.T. Pawar, Chairman, BoS welcomed the members and presented the agenda of meeting.

### 1. To confirm the minutes of the BOS meeting held on 9<sup>th</sup> June 2023.

Dr. M. H. Gajbhiye read the minutes of the BOS meeting held on 9<sup>th</sup> June 2023 and put forward to the BOS members for the approval.

**Resolution No. 1:** The minutes of the previous Board of Studies meeting were approved and confirmed.

### 2. To design the syllabus of SYBSc Sem IV (2022 Pattern).

The syllabus of following papers of SYBSc Sem IV (2022 Pattern) was discussed and finalized:

Class	Pattern	Semester	Course code	Course title	Course Type	No. of credits
SYBSc	2022	IV	USMB241	Air and Water Microbiology	Theory	03
			USMB242	Bacterial Genetics	Theory	03
			USMB243	Practical course based on USMB241 and USMB242	Practical	02
						Total=8

**Resolution No. 2:** The syllabus of SYBSc Sem IV (2022 Pattern) has been unanimously approved by all members of the BOS.

### 3. To design the syllabus of MSc Part II Sem IV (2022 Pattern).

In the second session, the syllabus of following papers of M. Sc. II Sem IV (2022 Pattern) was discussed and finalised:

Class	Pattern	Semester	Course Code	Course Title	Course Type	No. of Credits
M.Sc.	2022	IV	PSMB241	Pharmaceutical Microbiology	Theory	4
M.Sc.	2022	IV	PSMB242	Molecular Biology II	Theory	4
M.Sc.	2022	IV	PSMB243	Microbial Technology	Theory	4
M.Sc.	2022	IV	PSMB244 (A)	Medical Microbiology	Theory	4

M.Sc.	2022	IV	PSMB244 (B)	Mathematics for Biological Science	Theory	4
M.Sc.	2022	IV	PSMB245	Dissertation I	Project	4
M.Sc.	2022	IV	PSMB246	Dissertation II	Project	4
M.Sc.	2022	IV	SD24	Skill development II		2
						Total= 30

**Resolution No. 3:** The syllabus of M.Sc. II Sem IV (2022 Pattern) has been unanimously approved by all members of the BoS.

#### 4. Restructuring of the syllabus for F.Y.B.Sc. - Sem II (2023 pattern)

The preliminary draft of the syllabus of FYBSc Semester II was prepared with reference to National Education Policy (2020) guidelines. In all, the syllabus of eight papers was prepared that included four theory and four practical papers. Prof. MH Gajbhiye, Dr. Mrs. YR Mulay, Mr. Dhawal Doshi, Mrs Priti Bhosale, Miss PNKamble and Mrs. NT Deokate prepared the basic draft of syllabus of Semester II of FYBSc. The syllabus was also sent by mail to all the members of BoS.

The syllabus was discussed meticulously and the curriculum of the following courses was finalized as shown below.

Class	Pattern	Semester	Course code	Course title	Course Type	No. of credits
FYBSc	NEP 2020	II	MIB-151-MJM	Basic Biochemistry and Bacterial Cytology	(Theory)	02
			MIB-152-MJM	Fundamental Microbiology	(Theory)	02
			MIB-153-MJM	Techniques in Microbiology	(Practical)	02
			MIB-161-MN	Basic Medical Microbiology	(Theory)	02
			MIB-166-OE	Food Microbiology	(Theory)	02
			MIB-167-OE	Biofertilizer Production(Practical)	(Practical)	02
			MIB-171-VSC	Agriculture Microbiology(Practical)	(Practical)	02
			MIB-176-SEC	Clinical Pathology(Practical )	(Practical)	02

**Resolution No. 4:** The syllabus of FYBSc Sem II (NEP Pattern) has been unanimously approved by all members of the BOS.

**5. To design the syllabus of MSc Part I Sem II (NEP Pattern).**

The preliminary draft of M. Sc. I Sem II was prepared by Mr. Dhawal Doshi and Ms. Komal Jagtap. The syllabus was also sent by mail to all the members of BoS. Mr. Dhawal Doshi presented the credit distribution structure for MSc I in the first session of the meeting.

The syllabus was discussed meticulously and the curriculum of the following courses was finalized as shown below.

Class	Pattern	Semester	Course Code	Course Title	Course Type	No. of Credits
M.Sc.	NEP 2020	II	MI-551-MJM	Pharmaceutical Microbiology	Theory Major (Mandatory)	4
M.Sc.	NEP 2020	II	MI-552-MJM	Industrial Waste water treatment	Theory Major (Mandatory)	4
M.Sc.	NEP 2020	II	MI-553-MJM	Practical Course III	Practical Major (Mandatory)	2
M.Sc.	NEP 2020	II	MI-554-MJM	Practical Course IV	Practical Major (Mandatory)	2
M.Sc.	NEP 2020	II	MI-561-MJE(A)	Virology	Theory Major (Elective)	4
M.Sc.	NEP 2020	II	MI-561-MJE(B)	Biophysical techniques	Theory Major (Elective)	4
M.Sc.	NEP 2020	II	MI-561-MJE(C)	Developmental Biology	Theory Major (Elective)	4
M.Sc.	NEP 2020	II	MI-581-OJT/FP	On job training/Field projects	Training/Project OJT/FP	4

**Resolution No. 5:** The syllabus of M.Sc. I Sem II (NEP 2020 Pattern) has been unanimously approved by all members of the BOS.

**6. To discuss and incorporate the relevant feedbacks of the stakeholders (Students, Teachers, Parents, alumni, and employers) in the curriculum.**

➤ **Feedback received for the syllabus of SYBSc Sem IV (2022 Pattern).**

**From Students:** The inclusion of courses like "Air and Water Microbiology" and "Bacterial Genetics" offers a diverse understanding of microbiology. The practical course based on the theoretical content provides hands-on experience, enhancing practical skills

**From Employees (Assuming Industry Perspective):** The emphasis on air and water microbiology is relevant for industries dealing with environmental monitoring.

**From Parents:** The syllabus covers important aspects of microbiology, providing a solid foundation for further studies or careers.

**From Alumni:** Alumni found that the combination of theoretical courses and practical experience has prepared them well for their post-graduate studies or careers. Feedback from alumni who have applied the knowledge gained in air and water microbiology and bacterial genetics in their careers could be valuable.

**From Teachers:** The syllabus covers a balanced mix of theoretical and practical aspects of microbiology. The practical course based on USMB241 and USMB242 provides an opportunity for interactive teaching methods.

➤ **Feedback received for the syllabus of MSc-II Sem IV (2022 Pattern).**

**From Students:** The mix of theoretical and practical courses seems well-balanced, providing a comprehensive understanding of pharmaceutical microbiology.

**From Teachers:** The syllabus includes a good range of courses covering various aspects of pharmaceutical microbiology. The allocation of credits aligns with the expected workload for both theoretical and practical courses. The inclusion of skill development courses reflects an awareness of the importance of practical skills in the field.

**From Parents:** The syllabus appears comprehensive, covering both theoretical and practical aspects of pharmaceutical microbiology.

**From Alumni:** The syllabus seems well-structured, covering key areas in pharmaceutical microbiology. The inclusion of a dissertation and skill development aligns with practical expectations in the workforce.



**From Employers:** The syllabus includes practical components (dissertation, skill development) that may enhance students' employability. Courses and Microbial Technology are likely to provide students with relevant skills for the industry.

➤ **Feedback received for syllabus of F.Y.B.Sc. - Sem II (2023 pattern)**

**From students:** The syllabus seems to cover a diverse range of microbiology topics, including basic biochemistry, medical microbiology, food microbiology, and clinical pathology. Practical components in courses like Techniques in Microbiology, Biofertilizers Production, Agriculture Microbiology, and Clinical Pathology provide hands-on learning opportunities.

**From employees (Assuming Industry Perspective):** The inclusion of practical courses related to biofertilizers production and agriculture microbiology could be valuable for students seeking careers in related industries.

**From Parents:** Practical components could enhance the students' learning experience and practical skills.

**From Alumni:** Alumni appreciated the comprehensive coverage of microbiology topics, which can provide a strong foundation for further studies or careers.

**From Teachers:** The inclusion of practical components provides scope for interactive and hands-on teaching methods.

➤ **Feedback received for syllabus of M.Sc-I. - Sem II (2023 pattern)**

**From Students:** The syllabus provides a good mix of core courses in pharmaceutical microbiology and practical training, offering a well-rounded education.

**From Employees (Assuming Industry Perspective):** The focus on pharmaceutical microbiology and industrial wastewater treatment aligns with industry needs, preparing students for potential roles in pharmaceutical and environmental sectors. On-the-job training and field projects offer practical experience, making graduates more employable.

**From Parents:** The syllabus seems to offer a specialized and practical education, potentially increasing employability.

**From Alumni:** Alumni found that the focus on practical courses and on-the-job training has prepared them well for their careers. The availability of elective courses may have allowed alumni to specialize in areas of interest.

**From Teachers:**The syllabus provides a structured and comprehensive approach to pharmaceutical microbiology education.

**Resolution No. 6:**Feedback was collected by the entire stakeholder&was incorporated in the syllabus.

**7. Any other matter with permission of Chairman**

Further, the discussion on the syllabus of course work for the PhD students was initiated and all the members grant sanction to the conduct of course work in Microbiology according to the syllabus of Savitribai Phule University, Pune.

**Resolution No. 7:** The members granted sanction to the conduct of course work in Microbiology according to the syllabus of Savitribai Phule University, Pune.

All the BoS members discussed the syllabus throughout and approved it after the inclusion of appropriate comments. Also, the students' feedback was collected, and appropriate suggestions were incorporated in the syllabus.

In all, the committee reached a consensus that the content of the syllabi is appropriate as per the respective title of the paper. The chairman assured that the syllabi of various papers will be compiled and edited maintaining the uniform formatting in a single file.

The meeting was concluded with permission of Hon Chairman followed by vote of thanks by Mr. D. V. Doshi.

  
**Chairman**  
Board of Studies  
**HEAD**

**Department of Microbiology**  
Tuljaram Chaturchand College  
Baramati, Dist. Poona

  
**IQAC**  
**Coordinator**

**Coordinator**  
Internal Quality Assurance Cell  
Tuljaram Chaturchand College of  
Arts, Science and Commerce,  
Baramati (Pune)-413102

  
**Principal**

**Principal**  
Tuljaram Chaturchand College  
Baramati