



Shiv Chhatrapati Shikshan Sanshthas

**Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)**

Department of Microbiology

Structured Work Plan

Academic Year 2025-26

Name of the Teacher: Dr. D. V. Vedpathak

**Details of Classes to be taught**

Class	Course Title	Course Type	Course Code	Semester	Credit	Total Teaching Hrs.
B.Sc.I	Methods in Microbiology	DSC	101IMB1102	I	3	45

**Summary of Lesson Plan**

Unit	Units to be Covered	Expected No. of Lectures	Date	Academic Activities to be Organized	No. of Test/ Assignment
I	Microscopy	10	07/07/2025 to 30/07/2025	Seminars	CAT-I
II	Microbial Staining Techniques	12	04/08/2025 to 02/09/2025	Field Survey	CAT-II
III	Sterilization and disinfection	13	03/09/2025 to 29/09/2025	Poster presentation	CAT-III
IV	Effect of environmental factors on microbial growth and survival	10	30/09/2025 to 17/10/2025	Quiz	SEE

Teacher

HOD

Principal



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Academic Year 2025-26

Name of the Teacher: Dr. D. V. Vedpathak

**Details of Classes to be taught**

Class	Course Title	Course Type	Course Code	Semester	Credit	Total Teaching Hrs.
B.Sc.II	Applied Microbiology	DSC	201MIB3101	III	3	45

**Summary of Lesson Plan**

Unit	Units to be Covered	Expected No. of Lectures	Date	Academic Activities to be Organized	No. of Test/ Assignment
I	Air Microbiology	10	26/06/2025 To 19/07/2025	Seminars	CAT-I
II	Water microbiology	12	24/07/2025 To 23/08/2025	Field Survey	CAT-II
III	Wastewater Microbiology	13	28/08/25 To 25/09/2025	Poster presentation	CAT-III
IV	Food and milk microbiology	10	26/09/2025 To 17/10/2025	Quiz	SEE

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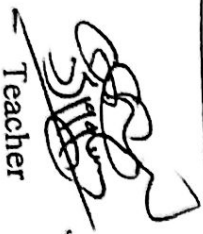
Name of the Teacher: Dr. D. V. Vedpathak

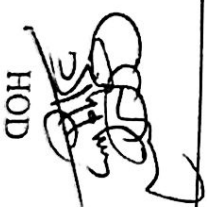
**Details of Classes to be taught**

Class	Course Title	Course Type	Course Code	Semester	Credit	Total Teaching Hrs.
M.Sc.I	Food and Dairy Microbiology	DSC	601MIB1103	I	3	45

**Summary of Lesson Plan**

Unit	Units to be Covered	Expected No. of Lectures	Date	Academic Activities to be Organized	No. of Test/ Assignment
I	Industrial Food fermentations	12	17/07/2025 to 07/08/2025	Seminars	CAT-I
II	Food spoilage and preservation	12	08/08/2025 to 04/09/2025	Field Survey	CAT-II
III	Quality assurances in foods	12	06/09/2025 to 03/10/2025	Poster presentation	CAT-III
IV	Advanced Food Microbiology	9	04/10/2025 to 17/10/2025	Quiz	SEE

  
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Details of Classes to be taught

Class	Course Title	Course Type	Course Code	Semester	Credit	Total Teaching Hrs.
B.Sc.I	Microbial Nutrition	DSC	101MIB2102	II	3	45

Summary of Lesson Plan

Unit	Units to be Covered	Expected No. of Lectures	Date	Academic Activities to be Organized	No. of Test/ Assignment
I	Cultivation media and Pure culture methods	10	04/12/25 to 01/01/26	Seminars	CAT-I
II	Microbial Nutrition and nutrient transport	12	02/01/26 to 24/01/26	PPT Presentation	CAT-II
III	Microbial Transport	13	29/01/26 to 28/02/26	Poster presentation	CAT-III
IV	Microbial Growth	10	12/03/26 to 31/03/26	Quiz	SEE

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Department of Microbiology  
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Academic Year 2025-26

Name of the Teacher: Dr. D. V. Vedpathak

**Details of Classes to be taught**

Class	Course Title	Course Type	Course Code	Semester	Credit	Total Teaching Hrs.
B.Sc.II	Environmental Microbiology	DSC	201MIB2101	IV	3	45

**Summary of Lesson Plan**

Unit	Units to be Covered	Expected No. of Lectures	Date	Academic Activities to be Organized	No. of Test/ Assignment
I	Microbial Ecology and interactions	12	01/02/2025 To 24/12/2025	Seminars	CAT-I
II	Plant growth promoting rhizobacteria	12	29/12/2025 To 28/01/2026	PPT Presentation	CAT-II
III	Soil microbiology : Microbial transformation of C,N,S,P in soil	11	02/02/26 To 25/02/2026	Poster presentation	CAT-III
IV	Bioremediation	10	02/03/26 To 25/03/2026	Quiz	SEE

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Dr. D. V. Vedpathak

Dep. of Microbiology  
Rajarshi Shahu Mahavidyalaya  
Latur - 413 512

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**Details of Classes to be taught**

Class	Course Title	Course Type	Course Code	Semester	Credit	Total Teaching Hrs.
B.Sc.III	Agricultural Microbiology	DSC-(IKS)	301MIB6102	VI	3	45

**Summary of Lesson Plan**

Unit	Units to be Covered	Expected No. of Lectures	Date	Academic Activities to be Organized	No. of Test/ Assignment
I	Agronomical importance of Microbial communities in soil	12	01/12/2025 to 24/12/25	Seminars	CAT-I
II	Plant Pathology	11	29/12/25 to 13/01/26	Field Survey	CAT-II
III	Agriculture in the Vedic period	12	19/01/26 to 16/02/26	Poster presentation	CAT-III
IV	Jaivik Krishi	10	17/02/26 to 23/03/26	Quiz	SEE

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