



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Department of Biotechnology
Structured Work Plan for Teaching
Academic Year 2024-25 (Term-I)

1. Details of Classes to be taught

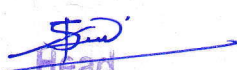
Class	Name of Teacher	Subject	Course Title and Code	Lab Course and Code	Total Lectures
B.Sc. BT. III (IV Sem.)	Dr. Sachin S. Kulkarni	Biotechnology	R DNA Technology U-RDT-627	Lab Course XVII Batch A+B	45 (3-Credits Th. 01 credit practical)
M.Sc. BT I (I Sem.)	Dr. Sachin S. Kulkarni	Biotechnology	Bioinformatics U-LAC-633	Lab Course IV 601BIO1203 (Batch A+B)	(01 credit practical)

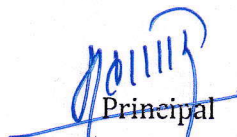
2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No of Test/ Assignment with topic and date
1	Unit 1: Principals of Gene Cloning	10	01.07.2024 to	Group Discussion	Online MCQ Test
2	Unit II: R-DNA Techniques	12	23.07.2024 to 12.08.2024	Seminar	Activity based Unit Test-I Home Assignment 05.08.2024
3	Unit III: Library construction and screening	12	13.08.2024 to 11.09.2024	Guest lecture	Surprise Test
4	Unit IV: Applications of R-DNA technology	11	12.09.2024 to 14.10.2024	Guest Lecture	Unit Test II (MCQ) 23.09.2024

Date:25 June,2024


Course Teacher


HOD
Department of Biotechnology
Rajarshi Shahu Mahavidyalaya
(Autonomous) Latur-413 531


Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Department of Biotechnology and FPT
Teaching Plan

Timetable Duration : December 2024 to March 2025


Name of the Teacher : **Sachin Kulkarni**

Details of Classes to be taught


Class	Division	Course Title	Course Code	Total Teaching Hrs
B.Sc. BT III	A	Introduction to Bioinformatics	U-IBI-727	45

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
Unit I: Introduction to bioinformatics and data generation	13	12/07/2024 To 31/12/2024	Quiz	Online MCQ Test
Unit II: Biological Database and its Types	12	01/01/2025 To 28/01/2025	Coaching for Entrance Examination (IIT JAM, JNU etc)	Activity based Unit Test-I Home Assignment 27.01.2025
Unit III: Sequence Alignments and Visualization	10	29/01/2025 To 24/02/2025	Workshop	Surprise Test
Unit IV: Introduction to Genomics and Proteomics	10	25/02/2025 To 29/03/2025	Guest Lecture	Unit Test II (MCQ) 01.03.2025


Course Teacher


Head
Department of Biotechnology
Rajarshi Shahu Mahavidyalaya
(Autonomous) Latur-413 531


Principal
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)