



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

Department of Biotechnology
Structured Work Plan for Teaching
Academic Year 2026-27 (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 (Sem.)	Dr. Sachin Kulkarni	Biotechnology	Computational Biology 301BIO5303	Computational Biology 301BIO5303	15 (2-Credits)

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 I: Introduction to Bioinformatics and Data Generation	04	23.06.2026 TO 14.07.2026	Group Discussion: Importance of Digital Literacy in Biotechnology	CAT-1
2	Unit II: Biological Databases and Data Repositories	04	23.07.2026 TO 18.08.2026	Quiz + Hands-on Practice	CAT-2
3	Unit III: Sequence Alignments and Comparative Analysis	03	19.08.2026 TO 15.09.2026	Guest Lecture: ICT Applications in Research	Surprise Test
4	Unit IV: Visualization of Molecular Structures	04	16.09.2026 TO 21.10.2026	Document Preparation Exercise / Practical Demonstration	CAT -3


Course Teacher


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


Principal
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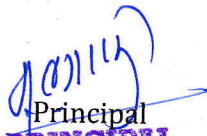
Class	Name of Teacher	Subject	Course Title and Code	Lab Course and Code	Total Lectures
M.Sc. BT. II (IV Sem.)	Dr. Sachin Kulkarni	Biotechnology	Genetic Engineering 602BIO3101	Lab Course -IX (Based on MMC-VII) 602BIO3104	45 (4-Credits)

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 I: DNA isolation and Sequencing methods.	09	22.06.2026 TO 06.07.2026	Group Discussion	CAT-1
2	Unit II: Tools of Genetic Engineering	11	13.07.2026 TO 03.08.2026	Aptitude Quiz Competition	CAT- 2
3	Unit III: Screening and Selection of Recombinants.	12	04.08.2026 TO 31.08.2026	Data Interpretation Activity	Surprise Test
4	Unit IV: Expression of gene in higher organism	13	01.09.2026 TO 07.10.2026	Mock Test & Discussion	CAT -3


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