



**SARDAR PATEL UNIVERSITY**  
**Vallabh Vidyanagar, Gujarat**  
**(Reaccredited with 'A' Grade by NAAC (CGPA 3.25))**  
**Syllabus with effect from the Academic Year 2022-2023**

Master Degree in Bioinformatics  
M.Sc. (Bioinformatics) Semester (IV)

Course Code	PT04CBIC51	Title of the Course	Project Work
Total Credits of the Course	24	Hours per Week	24

Course Objectives:	<ul style="list-style-type: none"><li>• Identify and define the research problem</li><li>• Generate research questions and hypothesis</li><li>• Students will be able to collect data and will learn to interpret their results and also able to discuss and present their findings.</li></ul>	
Course Content		
Unit	Description	Weightage* (%)
		100
Teaching-Learning Methodology	Students will be assigned a research problem on which they will work. They will be conducted project work in a suitably equipped laboratory.	

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Project report Examination (As per CBCS R.6.8.3)	30%
2.	University Examination	70%
Course Outcomes: Having completed this course, the learner will be able to		
1.	Identify and define the research problem	
2.	Generate research questions and hypothesis	
3.	Students will be able to collect data and will learn to interpret their results and also able to discuss and present their findings.	
Suggested References:		
Sr. No.	References	
On-line resources to be used if available as reference material		
Online Resources:-		



Master Degree in Bioinformatics  
M.Sc. (Bioinformatics) Semester (IV)

Course Code	PT04CBIC52	Title of the Course	Comprehensive Viva
Total Credits of the Course	1	Hours per Week	1

Course Objectives:	The objective of the paper is to <ol style="list-style-type: none"><li>1. Provide knowledge about Practical based on theory papers</li><li>2. Get familiar with basic instrumental techniques.</li><li>3. Evaluate the knowledge gained by dissertation students after conducting research independently</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
	Evaluation of knowledge gained doing practical work during dissertation by conducting comprehensive viva	200/300/600

Teaching-Learning Methodology	
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	University Examination	100%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Defend the questions related to the dissertation work they did.

Suggested References:	
Sr. No.	References

On-line resources to be used if available as reference material
Online Resources:--