LIFE SCIENCES FOR ENGINEERS LAB

Course Code	19BS1351	**Year**	II	**Semester**	I
Course Category	Basic Sciences	**Branch**	ME	**Course Type**	Practical
Credits	1	**L – T – P**	0 – 0 – 2	**Prerequisites**	NIL
Continuous Internal Evaluation	25	**Semester End Evaluation**	50	**Total Marks**	75

Course Outcomes		**Levels**
After successful completion of the course, the student will be able to		
CO1	Understand basic facts and concepts in life sciences.	L2
CO2	Evaluate and explain different processes in industrial applications	L5
CO3	Summarize the applications of various spheres in life sciences in relevance to future studies.	L2
CO4	Develop the ability to apply the principles of Mendalian laws and acquire problem solving skills.	L3

Contribution of Course Outcomes towards achievement of Program Outcomes & Strength of correlations (3-High, 2: Medium, 1: Low)														
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
CO1	3								2				1	
CO2	3								2				1	
CO3	3								2				1	
CO4	3								2				1	

Syllabus		
Expt. No	**Contents**	**Mapped COs**
1.	Microscopy	CO1, CO3
2.	Dissect & mount different parts of plants using Microscope	CO1, CO3
3.	Estimation of Proteins by using Biuret method	CO1, CO2
4.	Estimation of enzyme activity.	CO1, CO2
5.	Estimation of chlorophyll content in some selected plants.	CO1, CO3
6.	Nitrogen Cycle: Estimation of Nitrates /Nitrites in soil by using Spectrophotometer	CO2, CO3
7.	Mendal's laws	CO1, CO4
8.	Solve Problems based on Mapping.	CO2, CO4