

### LIFE SCIENCES FOR ENGINEERS LAB

<b>Course Code</b>	19BS1451	<b>Year</b>	II	<b>Semester</b>	II
<b>Course Category</b>	Basic Sciences	<b>Branch</b>	EEE	<b>Course Type</b>	Lab
<b>Credits</b>	1	<b>L-T-P</b>	0-0-2	<b>Prerequisite</b>	NIL
<b>Continuous Internal Evaluation:</b>	25	<b>Semester End Evaluation:</b>	50	<b>Total Marks:</b>	75

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

<b>Contribution of Course Outcomes towards achievement of Program Outcomes &amp; Strength of correlations (3: High, 2: Medium, 1: Low)</b>														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
<b>CO1</b>	3						2							
<b>CO2</b>	3						2							
<b>CO3</b>	3						2							
<b>CO4</b>	3						2							
<b>CO5</b>	3						2							

<b>Syllabus</b>		
Expt. No	Contents	Mapped CO
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