LIFE SCIENCES FOR ENGINEERS LAB

Course Code	19BS1451	**Year**	II	**Semester**	II
Course Category	Basic Sciences	**Branch**	ECE	**Course Type**	Lab
Credits	1	**L-T-P**	0-0-2	**Prerequisites**	Nil
Continuous Internal Evaluation	25	**Semester End Evaluation**	50	**Total Marks**	75

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

Contribution of Course Outcomes towards achievement of Program Outcomes & Strength of correlations (3:High, 2: Medium, 1:Low)

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2
CO1	3						2							
CO2	3						2							
CO3	3						2							
CO4	3						2							

Syllabus

Expt.No	**Contents**	**Mapped CO**
I	Microscopy	CO1, CO3
II	Dissect & mount different parts of plants using Microscope	CO1, CO3
III	Estimation of Proteins by using Biuret method	CO1, CO2
IV	Estimation of enzyme activity.	CO1, CO2
V	Estimation of chlorophyll content in some selected plants.	CO1, CO3
VI	Nitrogen Cycle: Estimation of Nitrates /Nitrites in soil by using Spectrophotometer	CO2,CO3
VII	Mendal's laws	CO1, CO4
VIII	Solve Problems based on Mapping.	CO2, CO4