

Prasad.V.Potluri Siddhartha Institute of Technology, Kanuru, Vijayawada

LIFE SCIENCES FOR ENGINEERS LAB (Common to all)

Course Code	19BS1451	Year	II	Semester	II
Course Category	Basic Sciences	Branch	IT	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	Apply techniques/procedures of life sciences principles to solve problems (L3)
CO2	Analyze the result of the conducted experiment for a given Sample (L4)
CO3	Conduct experiments as a team / individual by using equipment available in the laboratory(L3)
CO4	Infer an effective report based on experiments(L4)

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
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CO1	3						2							
CO2	3						2							
CO3	3						2							
CO4	3						2							

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