LIFE SCIENCES FOR ENGINEERS LAB

Course Code		19BS1351	Year	II	Semester	Ι		
Cou Cate		Basic Sciences	Branch	CE	Course Type	Lab		
Cre	dits	1	L-T-P	0-0-2	Prerequisites	Nil		
Continuous Internal Evaluation:		25	Semester End Evaluation:	50 Dutcomes	Total 75 Marks:			
After su	After successful completion of the course, the student will be able to							
CO1	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)													
	PO1	PO2		0				Ŭ ź		,	PO11	PO12	PSO1	PSO2
CO1	3						2							
CO2	3						2							
CO3	3						2							
CO4	3						2							

Syllabus					
Expt.No	Contents	Mapped CO			
Ι	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			