COURSE OBJECTIVES AND LEARNING OUTCOMES

F.Y.B.Sc. COMPUTER SCIENCE SEMESTER II

SUBJECT: USCS205 CALCULUS

Sr. No.	Learning Objective	Learning Outcomes
1.	To grasp important concepts of Calculus in a scientific way	Students apply principles of differential and integral calculus of real functions and sequences and series
2.	To introduce various definition of partial derivatives of functions in a gradual and logical way	Students organize solving of complex problems by combining the acquired mathematical concepts and principles
3.	To Describe the relation between the definite integral of a function and areas between the graph of that function and the horizontal axis	Students implement the Skill to formulate a problem through Mathematical modelling and simulation
4.	To work with the interpretations of the derivative as the slope of a tangent line and an instantaneous rate of change of a function	Students' eeffectively uses derivatives to solve authentic real-life application problems