

Course Number and Name													
BCS406-OBJECT ORIENTED PROGRAMMING AND DATA STRUCTURES													
Course Description													
<ul style="list-style-type: none">To develop solutions to given problems using class object concepts.To understand the concepts offloading, inheritance and polymorphismTo learn the basic data structures and its operations.													
Prerequisites							Co-requisites						
Fundamentals of Computing and Programming							Nil						
required, elective, or selected elective (as per Table 5-1)													
required													
Course Outcomes (COs)													
CO1: Develop solutions to a given problems using class object concepts.													
CO2 : Illustrate overloading, inheritance and polymorphism concepts with example.													
CO3 : Explain the basic data structures and its operations													
CO4 : Make use of basic data structures to solve problems.													
CO5: To develop programs using C++ which forms the basic for advanced programming?													
CO6 : Outline various searching and sorting algorithms.													
Student Outcomes (SOs) from Criterion 3 covered by this Course													
COs/SOs	a	b	c	d	e	f	g	h	i	j	k		
CO1	M	H				M							
CO2	M			H	M				M		M		
CO3	M	M			M								
CO4	L						M				M		
CO5	H	H	L	M			M		M	M	M		
CO6	M					H					H		