

Course Number and Name												
<b>BCE094 - OPTIMIZATION TECHNIQUES</b>												
Credits and Contact Hours												
<b>3 &amp; 45</b>												
Course Coordinator's Name												
Dr.Krishnakumar												
Course objective												
<ul style="list-style-type: none"> <li>To introduce the students to the basic concepts and principles of optimization, linear programming and queuing theory</li> </ul>												
Prerequisites						Co-requisites						
Fundamentals of Computing and Programming						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	Understanding the Concept of optimization and classification of optimization problems.											
CO2	Formulation simplex methods variable with upper bounds											
CO3	Study the Queuing Model, poisson and exponential distributions											
CO4	Understand the maximization and minimization of convex functions											
CO5	To study equality constraints, inequality constraints											
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			
	CO2							M	H			
	CO3	L			M			M	H			
	CO4							M	H			
	CO5							M	H			