

Course Number and Name												
BEC704 - ANTENNA AND WAVE PROPAGATION												
Course Objectives												
<ul style="list-style-type: none"> • Students will be introduced to antennas, their principle of operation • Antenna analysis and their applications. • Introduce the student to wave propagation over ground, through troposphere and ionosphere; diversity principles, • Propagation effects in microwave systems, satellite, space, and radar links 												
Prerequisites						Co-requisites						
Electromagnetic Fields and waves.						Nil						
Course Outcomes (COs)												
CO1 Define various antenna parameters												
CO2 Analyze radiation patterns of antennas												
CO3 Evaluate antennas for given specifications.												
CO4 Illustrate techniques for antenna parameter measurements												
CO5 To understand the various applications of antennas												
CO6 Discuss radio wave propagation												
Student Outcomes (SOs) from Criterion 3 covered by this Course												
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	
CO1	H					M			H		M	
CO2	M	M	H	M	M					L		
CO3	M		M	H			M		M			
CO4	M		M	M	H		M				H	
CO5		L								M		
CO6		M				L						