

Course Number and Name												
BEC503 - TRANSMISSION LINES, NETWORKS AND WAVEGUIDES												
Course Objectives												
<ul style="list-style-type: none"> <li>To introduce the various types of transmission lines and to discuss the losses associated.</li> <li>To give thorough understanding about impedance transformation and matching.</li> <li>To impart knowledge on filter theories and waveguide theories</li> </ul>												
Prerequisites						Co-requisites						
BEC403-Electromagnetic Fields and waves.						Nil						
Course Outcomes (COs)												
CO1: Discuss the fundamental concepts of wave propagation in Transmission Lines and Wave Guides												
CO2 : Analyze the line parameters and various losses in transmission lines.												
CO3 : Apply smith chart for line parameter and impedance calculations												
CO4 : Evaluate the characteristics of parallel plane and rectangular wave guides.												
CO5: Evaluate the characteristics of Circular waveguides.												
CO6 : Evaluate the characteristics of resonators.												
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	M			M		
CO2	M	L					M		M			
CO3	M	M		H	M				M	L		
CO4	M	M	M		H		M					
CO5		M								M		
CO6				M					L			