Course Number and Name

BEC703- MICROWAVE ENGINEERING

Course Description

- Microwave Engineering introduces the student to RF/microwave analysis methods and design techniques..
- Scattering parameters are defined and used to characterize devices and system behavior. Passive and active devices commonly utilized in microwave subsystems are analyzedTo analyze the current popular distributed systems such as peer-to-peer (P2P) systems will also be analyzed.
- To understand about microwave measurements.

Prerequisites	Co-requisites
Transmission lines networks and wave guides	Nil

Course Outcomes (COs)

CO1 Demonstrate the ability to identify formulate and solve microwave network related problems

CO2 Understand the need for the different microwave components and their specifications.

CO3 Understand the working principles of different microwave sources

CO4 Demonstrate the ability to identify microwave active devices along with their applications.

CO5 Know how to model and determine the performance characteristics of a microwave circuit or system ..

CO6 Identify the measurement techniques for different parameters like VSWR, impedance, frequency, power of microwave sources and loads.

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				M	
CO2	M	M	M	M					H		M
CO3	M		M	M	M						
CO4	M				M		M			H	
CO5		M	M						M		M
CO6				M		H					