

Course Number and Name												
BEE301- CIRCUIT THEORY												
Course Description												
To develop problem solving skills and understanding of circuit theory through the application of techniques and principles of electrical circuit analysis to common circuit problems.												
Prerequisites						Co-requisites						
BEE101-Basic Electrical and Electronics Engineering						NIL						
Course Outcomes (COs)												
Co1- To develop an understanding of the fundamental laws and elements of electric circuits.												
Co2- To develop the ability to apply circuit analysis to DC and AC circuits												
Co3- To understand advanced mathematical methods such as Laplace and Fourier transforms along with linear algebra and differential equations techniques for solving circuits problem												
Co4- To learn the "alphabet" of circuits, including wires, resistors, capacitors, inductors, Voltage and current sources, and operational amplifiers.												
Co5- To Understand about sinusoidal steady state analysis												
Co6-To analyse about coupled circuits												
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	H	H	L	M	L			H	M
	CO2	M	H	H	M	M	H	M	M		L	M
	CO3	H	M		H	H		M			L	L
	CO4	H	M		H	H	L	M	M		L	M
	CO5	M	M	M	M	H		M			L	L
	CO6	M	H	H	H	L	M	L			H	M