

Course Outcomes (CO) - B. Tech. - SEMESTER III

Sr. No.	Subject Code	Course Title	Code	Course Outcome
1	MH210	Engineering Mathematics – III	a	Develops the ability of evaluating multiple integrals, area, volume & some Standard relation between area, volume & line Integral by using Differential theorem.
			b	Expand a given function in to the infinite trigonometric series solution for differential integrals.
			c	Develops the applicability of some scalar & vector function arising in engineering field & ability to interpret physically of some operational relation.
			d	Develops the ability to solve Heat, Wave & Laplace equation arising in different branches of engineering & helpful to solve initial value problem & boundary value problem.
			e	Gain the statistical knowledge to establish a co-relation between variables, regression & Probability with different distribution applicable to real word problems. It has great importance in Research and Development.
2	EC209	Linear Electronics	a	Be able to understand detail concept of BJT with its application as amplifier
			b	Be able to discriminate between amplifier and negative feedback amplifier
			c	Be able to design and model oscillator circuits for different parameter
			d	Understanding of FET which provides background of IC technology.
3	EE201	Electricals Circuits	a	Understand the use of circuit analysis theorems and methods including graph theory approach for both dc and ac system in phasor domain.
			b	Develop a mathematical model (differential equations) of a given electric circuit and solve it using technique of domain transformation.

			c	Understand the nitty-gritty of poly-phase circuits including unbalance.
4	EE203	Electrical Machines-I	a	Explain the principle of operation of single phase and three phase induction motors and transformers.
			b	Apply the knowledge of electrical network theorems and magnetic circuits to the different three phase machines.
			c	Students are able to understand single phase and three phase induction motors and transformers.
			d	Be able to work in a team and communicate effectively.
5	CE209	Solids and Fluids Mechanics	Solid Mechanics	
			a	Explain mechanics of deformable bodies, their behavior and response to different types of static loadings in terms of constitutive relationship of load v/s displacement, stress v/s strains and mechanical constants.
			b	Understand the concepts of internal response quantity like stresses and strains specific to the type of loading e.g. direct, shear, bending, torsion etc.
			c	Explain and draw load actions in finite continuous bodies in terms of shear force diagrams, bending moment diagrams and axial force diagrams
			d	Apply the concepts to their day to day mechanical phenomena and can have better insight and better understanding of relevant mechanics
			Fluid Mechanics	
			a	To understand the various fundamental concepts used in the fluid mechanics
			b	To understand the various flows and quantification of same under different systems and situations.
			c	To develop the ability to analyze the fluid at different conditions.
			d	To get able to apply different approaches for the fluid flow problems.