SRI VASAVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

COUSE OUTCOMES SUMMARY II-I EEE A.Y:2020-21

CO#	CO STATEMENT	BTL
	ELECTRICAL CIRCUIT ANALYSIS –II (C211)	
C211.1	Differentiate three- phase circuits under balanced condition	Apply
C211.2	Differentiate three- phase circuits under unbalanced condition	Analyze
C211.3	Analyze the transient response of electrical networks for different types of excitations.	Apply
C211.4	Analyze parameters for different types of network	Analyze
C211.5	Realize electrical equivalent network for a given network transfer function	Apply
	ELECTRICAL MACHINES –I (C 212)	
C212.1	Assimilate the concepts of electro mechanical energy conversion.	Apply
C212.2	Mitigate the ill effects of Armature Reaction and improve commutation in dc machines.	Analyze
C212.3	Understand the torque production mechanism and control the speed of dc motors.	Apply
C212.4	Analyze the performance of single phase transformers.	Analyze
C212.5	Predetermine regulation, losses and efficieny of single phase transformers.	Apply
	ELECTRONIC DEVICES AND CIRCUITS (C213)	
C213.1	Describe the basic concepts of semiconductor physics	Understand
C213.2	Describe the operation and characteristics of PN junction diode and special diodes	Understand
C213.3	Describe Operation and Working of rectifiers and regulators	Understand
C213.4	Describe the characteristics of various transistor configurations and different biasing, stabilization and compensation techniques used in transistor circuits.	Understand
C213.5	Describe the operation and characteristics of FET, Thyristors, Power IGBTs and Power MOSFETs	Understand
	Electro magnetic fields (C214)	
C214.1	Determine electric fields and potentials using guass law	Apply
C214.2	Determine the capacitance, energy stored in dielectrics	Apply
C214.3	Analyze the magnetic field intensity due to current.	Analyze
C214.4	Determine the magnetic forces and torque produced by currents in magnetic field	Apply
C214.5	Analyze self and mutual inductances and the energy stored in the magnetic field	Analyze
	Thermal and Hydro Prime Movers (C215)	
C215.1	Explain the basic air standard cycles and performance of different types of IC engines	Understand
C215.2	Construct the velocity triangles to calculate the performance of steam turbines	Create
C215.3	Differentiate various types of gas turbines and governing cycles	Analyze
C215.4	Select appropriate vane condition for calculating the work done	Evaluate
C215.5	Solve problems on Hydraulic turbines	Apply
	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS (C216)	
C216.1	Describe the Basic Concepts and Principles of Managerial economics	Remember
C216.2	Explain the production cost concepts	Understand
C216.3	Evaluate the market competition & determine pricing	Evaluate
C216.4	Describe the types of industrial organization	Understand
C216.5	Analyze the financial statements	Analyze

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