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

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

CO#	CO STATEMENT	BTL
	Electronic Devices and Circuits (C211)	
C211.1	Describe the fundamentals of semiconductor materials and their characteristics and Explain the operation of various diodes and distinguish between their characteristics.	Understand
C211.2	Illustrate the operation of different types of rectifiers with and without filters.	Apply
C211.3	Describe the operation of different types of transistors in different configurations and observe their characteristics.	Understand
C211.4	Analyze different types of transistors biasing and thermal stabilization techniques	Analyze
C211.5	Analyze the small signal low frequency different types of transistors amplifier models.	Anaiyze
	Switching Theory and Logic Design (C 212)	
C212.1	Explain the structure of number systems and its applications.	Understand
C212.2	Design circuits to solve problems using gates to replicate all logic functions.	Create
C212.3	Analyze combinational logic circuits and design combinational logic circuits using programmable logic devices.	Analyze and Create
C212.4	Analyze sequential logic circuits.	Analyze
C212.5	Design sequential circuits in terms of FSM.	Create
	Signals and Systems (C213)	
C213.1	Differentiate the various classifications of signals andsystems	Understand
C213.2	Analyze the frequency domain representation of signals using Fourierconcepts	Apply
C213.3	Classify the systems based on their properties and determine the response ofLTI Systems.	Understand
C213.4	Know the sampling process and various types of samplingtechniques.	Understand
C213.5	Apply Laplace and z-transforms to analyze signals and Systems (continuous &discrete).	Apply
	Random Variables and Stochastic Processes (C214)	
C214.1	Understand the basics of probability,events,sample space and how to use them to real lifeproblems.	Understand and Apply
C214.2	Analyze that the random variable is always a numerical quantity	Analyze
C214.3	Understand the multiple random variables and relate through examples to real problems	Understand and Apply
C214.4	Understand the concept of random processes in both deterministic and non determinstic types, & correlation functions	Understand
C214.5	Evaluate the autocorrelation andits relation with power density spectrum and its properties	Evaluate
C214.6	Evaluate the linear systems with random inputs	Evaluate
	Object Oriented Programming through Java (C215)	
C215.1	Develop a familarity with oops concepts	Understand
C215.2	Describe important characteristics of oops and the features of such systems	Remember
C215.3	Describe the features and applications of important standard protocols	Analyze
C215.4	Gaining practical experience of inter -process communication in oops environment	Apply
C215.5	Describe the applications of important standard protocols which are used in oops	Create
	Managerial Economics & Financial Analysis (C216)	
C216.1	Expliain the concept and importance of managerial economics with problems	Understand
C216.2	Describe an idea of production methods and technical relation ship between input and output	Understand
C216.3	Determine the types of markets and pricing methods and strategies	Understand
C216.4	Analyze the financial statements	Analyze
C216.5	Evaluate the investment proposals in projects	Evaluate

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