SRI VASAVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
DEPARTRMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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

CO#	CO Statement	BTL
	Course Name: Micro Processors & Micro Controllers (C321)	
C321.1	Describe the basics of 8086 microprocessors architectures and its Functionalities.	Understand
C321.2	Design and develop 8086 Microprocessor based systems for real time applications using low level language like ALP	Analyze
C321.3	Interface external peripherals and I/O devices and program the 8086 microprocessor	Apply
C321.4	Describe the basics of 80386 and 80486 microprocessors architectures and its Functionalities.	Understand
C321.5	Describe the basics of 8051 microcontrollers architectures and its functionalities.	Analyze
C321.6	Describe the basics of PIC microcontrollers architectures and its functionalities.	Apply
	Course Name:Micro Wave Engineering (C322)	
C322.1	Describe the EM-Wave characteristics and TE,TM &TEM Mode analysis with respect to rectangular wave guide	Understand
C322.2	Summarize the TE,TM &TEM Mode analysis with respect to circular waveguide, cavity Resonators	Understand
C322.3	Analyze the principles , working and operation of different types of high frequency oscillators and amplifiers of O-type tubes	Analyze
C322.4	Analyze the principles , working and operation of different types of high frequency oscillators and amplifiers of M-type tubes	Analyze
C322.5	Measure and illustrate the scattering parameters of different multiport microwave junctions and ferrite components	Evaluate
C322.6	Demonstrate the different blocks in microwave bench set-up and identify various types of high	Apply
	Course Name: VLSI Design (C323)	
C323.1	Demonstrate the IC Fabrication process and design MOS inverters with different loads.	Create
C323.2	Design layouts of CMOS circuits.	Create
C323.3	Apply basic circuit concepts and scaling techniques on CMOS.	Apply
C323.4	Apply chip input and output circuits, testing techniques to CMOS	Apply
C323.5	Apply FPGA design systems and synthesis techniques	Apply
C323.6	Analyze low power CMOS circuits.	Analyze
	Course Name: Digital Signal Processing(C324)	
C324.1	Interpret, represent and process discrete/digital signals & systems and Discuss the properties of LTI systems in terms of z-transforms	**Understand**
C324.2	Compute and analyze signal spectra using DFT/FFT algorithms.	**Analyze**
C324.3	Design IIR filters to suit specific requirements for specific applications and basic structures of IIR Systems.	**Create**
C324.4	Design FIR filters to suit specific requirements for specific applications and basic structures of FIR Systems.	**Create**
C324.5	Design multi rate digital signal processing of signals through system	**Create**
C324.6	Discuss the architecture of a digital signal processor and some programming issues in floating-point digital signal processor	**Understand**
	Course Name: OOPs through Java (C325)	
C325.1	Develop a familarity with oops concepts	Understand
C325.2	Describe important characteristics of oops and the features of such systems	Remember
C325.3	Describe the features and applications of important standard protocols	Analyze
C325.4	Gaining practical experience of inter -process communication in oops environment	Apply
C325.5	Describe the applications of important standard protocols which are used in oops	Create
C325.6	Describe the important characteristics of oops	Remember

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