



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

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

CO#	CO STATEMENT	BTL
Computer Architecture and Organization (C311)		
C311.1	Understand the architecture of ancient and modern computers, distinguish software & Hardware and Analyze the performance of a computer using performance equation	Analyzing
C311.2	Familiar about instruction, addressing mode and different languages	Understanding
C311.3	Identify different types of instructions and addressing modes.	Analyzing
C311.4	Differentiate I/O devices and interface circuits.	Apply
C311.5	Analyze the performance of the hierarchical of memory	Analyzing
C311.6	Differentiate the Hardwired and Micro Programmed control	Analyzing
Linear I C Applications (C312)		
C312.1	Identify different configurations of op-amp analyze the parameters of op-amp and observe the frequency response of operational amplifier	Analyze
C312.2	Understand non ideal characteristics of operational amplifier parameters	Understand
C312.3	Demonstrate linear and non applications of operational amplifiers	Apply
C312.4	Select active filter, multipliers and modulators according to the required application	Apply
C312.5	Implement various applications of special function Op-Amp ICs such as 555 IC and Analog multiplier, PLL.	Analyze
C312.6	Demonstrate and compare the performance of various types of ADC and DAC using Op-Amp	Apply
Digital I C Applications (C313)		
C313.1	Discuss the basic concepts of different logic families and how to interface different CMOS logic families.	Understand
C313.2	Describe about the basic elements of VHDL Programming language.	Understand
C313.3	Illustrate different modeling techniques in digital electronics.	Apply
C313.4	Analyze, design, simulate and implement combinational logic circuits using VHDL.	Create
C313.5	Analyze, design, simulate and implement sequential logic circuits using VHDL.	Create
C313.6	Evaluate and Create different models of Finite State Machines for design of sequential circuits.	Create
Digital Communications(C314)		
C314.1	Analyze the recording of the digital data from a analog data in a compact disc	Analyze
C314.2	Analyze & Apply various types of digital communication methods. Eg: Mobile Communications and Computer Network	Analyze
C314.3	Analyze & Calculate BER in digital communication channels..	Analyze
C314.4	Analyze the information rate, entropy & channel capacity in the information transmission channel.	Analyze
C314.5	Analyze suitable source code for the given application	Analyze
C314.6	Analyze & Design different error correcting codes for the given application.	Analyze
Antenna and Wave Propagation(C315)		
C315.1	Understand the concepts of Antenna fundamentals and its radiation.	Understand
C315.2	Analyze radiation mechanism for different antennas	Analyze
C315.3	Design and analyze the antenna arrays	Create
C315.4	Analyze the reflector antennas, lens Antennas, horn antennas and micro strip antenna	Analyze
C315.5	Discuss the techniques to measure the Gain, Radiation pattern of an Antenna	Understand
C315.6	Explain the mechanism of the atmospheric effects on radio wave propagation.	Understand

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