



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

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

CO#	CO Statement	BTL
Course Name: Power Electronic Controllers & Drives (C321)		
C321.1	Explain the fundamentals of electric drive and different electric braking methods	Understand
C321.2	Analyze the operation of three phase converter fed dc motors and four quadrant operations of d	Analyze
C321.3	Describe the converter control of dc motors in various quadrants of operation	Understand
C321.4	Know the concept of speed control of induction motor by using AC voltage controllers and vol	Understand
C321.5	Differentiate the stator side control and rotor side control of three phase induction motor.	Understand
C321.6	Explain the speed control mechanism of synchronous motors	Understand

Course Name:Power System Analysis (C322)		
C322.1	Design Impedance Diagram For A Power System	Create
C322.2	Analyse Aybusand Zbusfor A Power System Networks	Analyze
C322.3	Describe The Load Flow Solution Of A Power System	Understand
C322.4	Calculate Fault Currents For All Types Faults To Design Protective Devices	Apply
C322.5	Calculate Sequence Components Of Currents For Unbalanced Power System	Apply
C322.6	Analyze The All Stability Concepts Of A Power System	Analyze

Course Name: MICROPROCESSOR AND MICROCONTROLLER (C323)		
C323.1	Discuss 8086 microprocessor architecture and its functionalities	Understand
C323.2	Illustrate Minimum and maximum mode operations for 8086 Microprocessor.	Analyze
C323.3	Interface external peripherals and I/O devices and program the 8086 microprocessor.	Apply
C323.4	Discuss 8051 Microcontroller architectures and its functionalities	Understand
C323.5	Discuss and Illustrate PIC 18 microcontroller architecture and its functionalities	Analyze
C323.6	Design and develop PIC 18 Microcontroller for real time applications using "C"	Apply

Course Name: Data Structures through C++(C324)		
C324.1	define the Concepts of OOPS, Data Structures and basic terminology used in Data Structures	Remember
C324.2	Discuss basic understanding and knowledge of Stacks, Queues using Abstract Data Type	Understand
C324.3	solve the problems using Linked List in C++	Apply
C324.4	compare the linear data structures with non linear data structures and explain the different	Analysis
C324.5	compute the Shortest Path, Minimum Cost Spanning Trees for the given graph	Evaluate
C324.6	choose the best sorting techniques in terms of Time Complexity	Create

Course Name: NEURAL NETWORKS AND FUZZY LOGIC (C325)		
C325.1	Describe artificial neuron models	understand
C325.2	Execute learning methods of ANN	Apply
C325.3	Analyze different algorithms of ANN	Analyze
C325.4	Distinguish between classical and fuzzy sets	Analyze
C325.5	Analyze different modules of Fuzzy logic controller.	Analyze
C325.6	Execute Neural Networks and fuzzy logic for real-time applications	Apply

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