



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

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

CO#	CO Statement	BTL
<b>Course Name:Electrical Measurements &amp; Instrumentation (C221)</b>		
C221.1	Choose instrument for measurement of voltage and current for A.C and D.C.	Apply
C221.2	Calibrate energy meter by suitable method	Evaluate
C221.3	Calibrate ammeter and potentiometer.	Evaluate
C221.4	Select suitable bridge for measurement of electrical parameters.	Apply
C221.5	Use the ballistic galvanometer and flux meter for magnetic measuring instruments	Apply
<b>Course Name:Electrical Machines-II (C222)</b>		
C222.1	Describe the operation and performance of three phase induction motor	Understand
C222.2	Analyze the torque-speed relation, performance of induction motor and induction generator	Analyze
C222.3	Describe starting of single phase induction motors.	understand
C222.4	Determine The Voltage Regulation Of Synchronous Generator	Apply
C222.5	Describe the Parallel operation of synchronous generators	understand
<b>Course Name:DIGITAL ELECTRONICS(C223)</b>		
C223.1	Discuss the structure of number systems and its applications	Understand
C223.2	Minimize the Boolean functions using Boolean algebra, k map& Tabular method	Apply
C223.3	Design different combinational logic circuits	Create
C223.4	Design combinational logic circuits using programmable logic devices	Create
C223.5	Design different sequential logic circuits	Create
<b>Course Name: CONTROL SYSTEMS (C224)</b>		
C224.1	Derive the transfer function of physical systems and determination of overall transfer function using block diagram algebra and signal flow graphs	Analyze
C224.2	Determine time response specifications of second order systems and to determine error constant	Understand
C224.3	Analyze absolute and relative stability of LTI systems using Routh's stability criterion and the root locus method	Analyze
C224.4	Analyze the stability of LTI systems using frequency response methods	Analyze
C224.5	Design Lag, Lead, Lag-Lead compensators to improve system performance from Bode diagram	Design
<b>Course Name: POWER SYSTEMS-I (C225)</b>		
C225.1	Outline the different components of thermal power plants	Understand
C225.2	List the different components of nuclear Power plants.	Remember
C225.3	Differentiate AC/DC distribution systems	Analyze
C225.4	Identify the different components of air and gas insulated substations	Understand
C225.5	Determine stength of underground cables	Apply
<b>Course Name: SIGNALS&amp; SYSTEM (C226)</b>		
C226.1	Describe the concept and functions of management , theories of motivation	Remember
C226.2	Explain the different of methods of inspection , inventory &Project management	Understand
C226.3	Describe the different functional areas of an organization& their responsibilities	Understand
C226.4	Define the meaning of vision, mission , goals and strategies	Remember
C226.5	Describe the importance of ethics in functional areas	Remember

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