



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of Mechanical Engineering

COURSE OUTCOMES

Academic year-2022-2023

Year/sem- II-II

CO Number	Course Outcome(CO) Statement- At the end of the Course, the students will be able to	Blooms Taxonomy
MATERIAL SCIENCE & METALLURGY (C221)		
C221.1	Interpret the Structure of Metals and phase diagrams of materials	Apply
C221.2	Distinguish different types of Ferrous metals, Non-ferrous Metals and Alloys	Analyze
C221.3	Interpret different heat treatment processes to get desired mechanical properties of metals	Analyze
C221.4	Describe the powder metallurgy	Understand
C221.5	Compare the unique nature of ceramics and composite materials.	Analyze
COMPLEX VARIABLES & FOURIER TRANSFORMS (C222)		
C222.1	Demonstrate the ability to write and evaluate a proof of Cauchy-Riemann equations and give examples of each proof technique described.	Evaluate
C222.2	Understand the basic principles of Line integrals. And solving the Residue theorem	Apply
C222.3	Apply discrete and continuous probability distributions	Apply
C222.4	Infer the statistical inferential methods based on small and large sampling tests	Apply
C222.5	Design the components of a classical hypothesis test	Apply
DYNAMICS OF MACHINERY (C223)		
C223.1	Compute frictional losses, torque transmission of mechanical systems.	Evaluate
C223.2	Analyze dynamic force analysis of slider crank mechanism and design of flywheel.	Apply
C223.3	Analyze stabilization of sea vehicles, aircrafts and automobile vehicles and Understand the working of various types of governors	Apply
C223.4	Understand balancing of reciprocating and rotary masses.	Understand
C223.5	Understand how to determine the natural frequencies of continuous systems starting from the general equation of displacement.	Understand
THERMAL ENGINEERING-I (C224)		
C224.1	Compare the Air standard Cycles with Actual Cycles	Analyze
C224.2	Classify the essential components of IC engine	Understand
C224.3	Describe the combustion phenomenon in SI and CI engines	Understand
C224.4	Evaluate the performance of an IC Engine	Evaluate
C224.5	Interpret the basic principles of Gas turbines, Jet propulsion and rocket engineering	Apply
INDUSTRIAL ENGINEERING & MANAGEMENT (C225)		
C225.1	Describe the role of industrial engineer and list the function of management	Understand
C225.2	Illustrate the Design of Plant Layout and study of quantitative techniques for optimal design of Plant Layout	Apply
C225.3	Distinguish between time study and Method study	Analyze
C225.4	Interpret control charts for assessment of process quality	Understand
C225.5	List out the functions of Human Resource Management, Personnel and	Remember