

Department of ME	
B.Tech - III-Year	
CO	Subject Name -CO Statements
C302:Design of Machine Members –I	
CO#	# Student will be able to
C302.1	Student will be able to Acquire the knowledge about properties of engineering materials and their selection in the design process.
C302.2	Student will be able to Understand the principles of design, component behaviour subjected to different loading conditions (static and dynamic) and criteria of failure (Theories of Failures).
C302.3	Student will be able to Understand the concepts of stress concentration in machine members and fatigue loading.
C302.4	Student will be able to Design on the basis of strength and rigidity and analyse the stresses and strains induced in machine elements.
C302.5	Student will be able to Design of different mechanical components like fasteners, joints, shafts, couplings and springs.
C302.6	Student will be able to Use existing as well as develop new design analysis, and synthesis of mechanical components, by considering the economic criteria and ethical standards.