

## ADVANCED MECHANICS OF SOLIDS

CO#	# Student will be able to
CO-1	Understand the concepts of mechanics of solids and its application to the behavior of structures (shear centre, unsymmetrical bending) under different loading conditions.
CO-2	Analyze and design the sections for curved beams.
CO-3	Understanding and apply the analogy models developed for analyzing the non-circular bars subjected to torsion
CO-4	Explain the responses of structures on elastic foundation various end conditions and evaluate at different loading scenarios.
CO-5	Analyze the stresses developed between two contacting bodies.
CO-6	Analyze stress in three dimensional bodies like bars and bending of plates