BAE2305:SOLID MECHANICS

BAE2305	COURSE OUTCOMES
CO1	**Evaluate** St. Venant's principle by assessing the basic concepts related to stress and strains.
CO2	**Calculate** the shear force, bending moment, stresses in a beam under given load conditions.
CO3	**Analyze** deflection of beams by Macaulay's and area moment methods and evaluate stresses in beams.
CO4	**Investigate** the buckling of column at different end conditions using Rankine's, Johnsons and Energy method.
CO5	**Investigate** the principle stresses and strains and its effect on different structures.