SUBJECT NO-AE51003, SUBJECT NAME- APPLIED ELASTICITY

LTP- 3-0-0,CRD- 3

SYLLABUS :-

Prerequisites: AE31005

3 - 0 - 0: 3 CreditsIntroduction, three-dimensional stress, strain tensors, generalized Hooke s Law, Constants of elastic materials, Strain energy, applications in two and three-dimensional problem, introduction to thermoelasticity, introduction to plasticity, yield conditions, associated flow rules, viscoelastic behavior.