SUBJECT NO-AE40031, SUBJECT NAME- COMPUTATIONAL FLUID DYNAMICS

LTP- 3-0-0,CRD- 3

SYLLABUS :-

Prerequisites: AE21002, AE31003

3 - 0 - 0: 3 CreditsIntroduction to grid generation; various grid generation techniques; finite difference method, convergence and stability, explicit and implicit methods; finite difference method applied to model equations; Numerical solutions Euler equations, incompressible and compressible Navier-Stokes equations, Concepts of flux splitting and limiters.