



THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-15

(A Govt. Aided Autonomous Institution affiliated to Anna University)

- ***where Quality and Ethics matter***



QEEE COURSES

FUNDAMENTAL CONCEPTS IN FLUID KINEMATICS - FLUID DYNAMICS

COURSE CONTENT:

Kinematics of Fluid Flow: Lagrangian and Eulerian description, streamline, streakline and pathline, acceleration of a fluid element

Differential form of Conservation Equations: Continuity equation, stream-function, rotation and angular deformation, irrotational flow, velocity potential