



Techno-Social Excellence
Marathwada Mitra Mandal's
INSTITUTE OF TECHNOLOGY (MMIT)
Lohgaon, Pune-411047.

“Mechanized Design Application”
Department of Mechanical Engineering

Course Name: Fluid Mechanics
Class: SE Mechanical Engineering
Course Code: 202049 (2019 Pattern)

Course Objectives:

1. To understand basic properties of fluids.
2. To learn fluid statics and dynamics
3. To study basics of flow visualization
4. To understand Bernoulli's theorem and its applications.
5. To understand losses in flow, drag and lift forces
6. To learn to establish relation between flow parameters.

Course Outcomes:

- CO1. DETERMINE various properties of fluid
- CO2. APPLY the laws of fluid statics and concepts of buoyancy
- CO3. IDENTIFY types of fluid flow and terms associated in fluid kinematics
- CO4. APPLY principles of fluid dynamics to laminar flow
- CO5. ESTIMATE friction and minor losses in internal flows and DETERMINE boundary layer formation over an external surface
- CO6. CONSTRUCT mathematical correlation considering dimensionless parameters, also ABLE to predict the performance of prototype using model laws