News Letter

Department of Mechanical Engineering

Sri Vasavi Engineering College

Volume- 3 Issue- 2

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Guest lectures /seminars/FDP's organized in the Department

S.No	Date	Description of the Event
1.	09/10/2015 -10/10/2015	Two day FDP on **Application Of Matlab in Thermal Engineering** by Dr. T. Srinivas, Prof of ME, VIT Vellore

Terms related to Mechanical Engineering

1. **Viscosity:**

   Dynamic Viscosity:

   The amount of resistance of one layer of fluid over other layer of fluid.

   Kinematic Viscosity:

   It is the ratio of dynamic viscosity to density.

2. **Buoyancy:**

   When a body is immersed in a liquid, it is lifted up by a force equal to weight of liquid displaced by the body. The tendency of liquid to lift up an immersed body is buoyancy. The upward thrust of liquid to lift up the body is called buoyancy force.

3. **Bernoulli's Equation:**

   $P/\gamma + V^2/2g + Z$ = Constant Where, P = pressure, V = velocity, Z = Datum Head

4. **Fluid discharge/Fluid flow:**

   Quantity of fluid flowing per second. (through a section of pipe/ through a section of channel)Q=AV, where, V= velocity of fluid, A= cross-sectional area of pipe/channel

   Note: $1m^3$ = 1000 L1 cusec = 1 ft^3/sec1 ft = 0.3048 m