

### **MEE205 Thermodynamics - I (2+0+0 2 Units)**

- Basic concepts, energy and energy conversions and surroundings, temperature of scales.
- Quantitative relations of zeroth, first, second and third laws of thermodynamics and definitions and laws.
- The first Law of thermodynamics, applications to open and closed systems.
- Second law of thermodynamics and Heat Cycles.
- The steady State flow equation (Bernoulli's Equation) and applications.
- The ideal gas, Heat and Work.
- Use of steam tables and charts