



“Techno – Social Excellence”  
MarathwadaMitraMandal’s  
**INSTITUTE OF TECHNOLOGY (MMIT)**  
Lohgaon, Pune-411047.

“Mechanized Design Application”  
**Department of Mechanical Engineering**

**Course Name: Turbo Machines**  
**Course Code: 302044**

**Class: TE Mechanical Engineering**  
**(2015Pattern)**

**Course Objectives:**

1. To provide the knowledge of basic principles, governing equations and applications of turbo machine.
2. To provide the students with opportunities to apply basic thermo-fluid dynamics flow equations to Turbo machines.
3. To explain construction and working principle and evaluate the performance characteristics of Turbo Machines.

**Course Outcomes:**

- CO1 - Apply thermodynamics and kinematics principles to turbo machines.
- CO2 - Analyze the performance of turbo machines.
- CO3 - Ability to select turbo machine for given application.
- CO4 - Predict performance of turbo machine using model analysis.
- CO5 - Understand mechanisms behind working of Turbines.
- CO6 - Apply knowledge of Turbo machines to optimize the efficiencies of turbines.

