

MVSR Engineering College, Nadergul.

Department of Mechanical Engineering

COURSE OUTCOMES

Class: B.E.IV Year I Sem (Mech. Engg.)

Name of the Course: **THERMAL TURBO MACHINES**

Course Code: ME 401

At the end of the course student is able to

CO.No.	Course Outcome	POs
M401.1	Analyze situations of Thermal gradients in Turbo machines and apply the situation of fluid flow analysis with energy conversion principles for work transfer.	PO1,PO2,PO7,PO12
M401.2	Develop knowledge about working principles of work absorption and work producing situations	PO1,PO2,PO3,PO10
M401.3	Understand applications of Thermodynamics with fluid flow behavior and compressibility effects	PO1,PO2,PO3,PO4
M401.4	Attain knowledge of Power production using External combustion engines, with methods of improving efficiencies	PO4,PO5,PO6,PO7,P O9
M401.5	Demonstrate the learnt fundamentals in applying for real time situations such as undertaking final dissertation projects on Thermal turbo Machines and power plants with knowledge of International standards and testing.	PO5,PO6,PO7,PO8,P O9,PO10,PO11,PO12
M401.6	Establish and compute one dimensional thermodynamic analysis of Compressors, Turbines (both for air & Vapour working fluids) and analyzing using velocity triangles for single and multi stages.	PO1,PO2,PO3,PO4,P O9, PO10,PO12