MVSR Engineering College, Nadergul.

Department of Mechanical Engineering

COURSE OUTCOMES

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

Name of the Course: **COMPUTER AIDED ENGINEERING LAB**

Course Code: ME 433

At the end of the course student is able to

Co.no	Course Outcome	POs
M433.1	Recall and distinguish the various commands and features of ANSYS package for analysis with respective to various engineering applications.	PO1,PO2,PO4,PO5,PSO1
M433.2	Determine stresses, strains and displacements and static, thermal and combined load conditions of trusses and beams using 2-D and 3-D elements	PO1,PO2,PO4,PSO1
M433.3	Analyze simple 3-D components using tetrahedron and brick elements to compute static structural parameters	PO1,PO2,PO4,PSO1
M433.4	Predict eigen values and mode shapes of beam using modal and harmonic analysis and also perform linear /nonlinear buckling analysis of columns and shells.	PO1,PO2,PO4,PSO1
M433.5	Simulate steady state heat transfer and transient heat transfer conditions for applications like castings and chimneys	PO1,PO2,PO4,PSO1
M433.6	Solve structural problems using finite element approach with MATLAB software	PO1,PO2,PO5,PSO1