

# Course Outcomes

Class: B.E.III (Mech. Engg.)

Name of the Course: ME 382 – CAD/CAM Laboratory

Name of the Teachers: S.Srinivas & K.Karthik Rajashekar

Course outcomes:

No.	Course Outcome	Po's mapped
<b>M382.1</b>	Demonstrate the fundamentals of modeling software features and capabilities. Prepare the sketch of simple mechanical components. Explain different types of features in part modeling & assembly of parts.	P01, P02, PS0-1
<b>M382.2</b>	Identify the mass properties & sectional properties of part & assembly and validate the assembly with interference detection.	P04, P05, PS0-1, P03
<b>M382.3</b>	Practice assembly modeling such as steam engine cross head, connecting rod, Non -return valve etc. Show process sheet and Bill of materials in assembly drawings.	PS0-1, P05, P02, P03
<b>M382.4</b>	Represent tolerance & geometrical dimensioning on the drawing with sectional views and plotting the drawing.	PS0-1, P05, P02, P04, P03
<b>M382.5</b>	Define CAM and explain different operations like facing, Turning, Taper turning and contouring on CNC lathe machine. Demonstrate pocketing and contouring operations in CNC milling.	PS0-1, P05, P02, P01
<b>M382.6</b>	Illustrate simulation & development of NC code using CAM software. Explain FMS concept Robot & material handling systems and Exercises in 3D printing.	PS0-1, P05, P02, P03