

MVSR Engineering College, Nadergul.
Department of Mechanical Engineering
COURSE OUTCOMES

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

Name of the Course: **Computer Drafting Lab**

Course Code: ME 232

At the end of the course student is able to

CO.No.	Course Outcome	POs Mapped
ME 232.1	Describe a drawing, a template, drawing file extensions. Apply the commands NEW, OPEN, SAVEAS and CLOSE to start a new drawing, name and save the current drawing into a specified folder, open a drawing, save the current drawing with a specified name and close the drawing.	PO1,PO3,PO4,P O5,PO6,PO10, PSO1
ME 232.2	Describe the Cartesian coordinate system using absolute and relative coordinates. Describe the Polar coordinate system. Apply the LINE command to draw lines using Cartesian coordinate system with both absolute and relative coordinates.	PO1,PO3,PO4,P O5,PO9,PO10, PSO1
ME 232.3	Apply the LINE command to draw lines using Polar coordinate system. Explain how to create, close and edit a POLYLINE Describe a regular polygon and different methods used to construct them. Apply the POLYGON, RECTANGLE, ELLIPSE and AREA commands.	PO1,PO4,PO5,P O12, PSO2
ME 232.4	Apply the MIRROR and the ROTATE commands to mirror and rotate the objects. Apply the ARRAY command to array objects in polar or rectangular patterns. Describe single line text, text style and text justification. Apply the UNITS, DIST and PROPERTIES commands to set the display units, make inquiries about drawing objects and measure distances. Apply the ORTHO, POINT, DIVIDE and MEASURE commands. Use of 3D tool in AutoCAD to produce figures	PO1,PO8,PO9,P O10, PSO1
ME 232.5	Apply the TRIM & EXTEND commands to shorten and lengthen objects at selected cutting edges. Apply the OFFSET command to insert objects parallel to existing objects. Apply the commands ZOOM, PAN, REGEN to control the drawing.	PO1,PO3,PO8,P O9,PO10,PO12, PSO2

	<p>Describe drawing limits, drawing scale and drawing units. Apply the PROPERTIES and LTSCALE commands to display and edit properties of drawing objects and set the LINETYPE scale of objects.</p> <p>Describe the drawing limits, drawing extents, drawing scale and drawing units.</p>	
ME 232.6	<p>Describe the object properties, LINETYPE, LINETYPE scale and how to select object using a pick, a window, and a crossing window.</p> <p>Describe how to assign and edit LINETYPES, BYLAYER and set the LINETYPE scale.</p> <p>Apply the CIRCLE and ARC commands to draw circles and arcs.</p> <p>Apply the OSNAP command to set the object snap modes for AutoSnap, enable and disable object snap and use object snap to complete drawings.</p> <p>Apply the MOVE, COPY commands to move and copy objects in the current drawing.</p>	PO1,PO3,PO6,PO7,PO9,PO10,PSO1