



University of Global Village (UGV), Barisal

Experiment list of Sessional Course

Winter-2026

Name of Subject: Engineering Drawing and CAD Sessional

Department: CSE

Subject Code: ME 0715-2102

Semesters: 3rd

Section:

Session:

Credit: 1

SL No:	Title of Practical Skills	Lab Topic	Learning Outcome	Signature of lab Expert
1	Setting up page and units	Introduction to AutoCAD	Understanding engineering Drawing and Key Interface Element also Page setup (Unit, Limit, Dimension style)	
2	Orthographic drawing of a V-Block	Draw an object using 2D polyline, a single object that is composed of line and arc segments, circle.	Drawing simple orthographic drawing	
3	Advance Dimensioning and cross-sectional view of a Flanged Sleeve	Draw an cross sectional image, adding dimensions and fills an enclosed area or selected objects with a hatch pattern, solid fill, or gradient fill	Advance Dimensioning and adding hatch pattern, solid fill, or gradient fill	
4	Draw a ball bearing using modify tool bar	To construct a geometry using basic modify Tools like Erase, Copy, Move, Rotate, Offset, Mirror	Understanding and using basic modify tools	

SL No:	Title of Practical Skills	Lab Topic	Learning Outcome	Signature of lab Expert
5	Isometric Drawing of Z-Bracket or an Offset Pivot Bracket	Draw the Isometric views of 3D machine parts and organize your work by dimensioning	Drawing simple isometric drawing	
6	3d Drawing of a cam shaft	Use CYLINDER for the main shaft, EXTRUDE to turn 2D cam shapes into 3D, and UNION to fuse all the parts into one solid piece.	Creating a complex 3D drawing	
7	3d drawing of a worm gear	Use the HELIX command and the SWEEP command	Creating a complex 3D drawing	

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