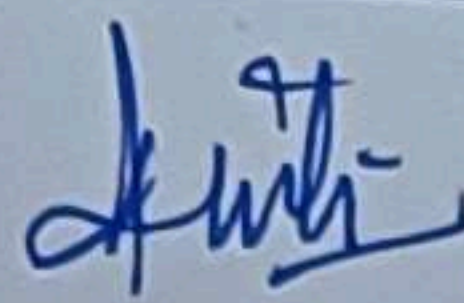# DEPARTMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC SUNDERNAGAR

LESSON PLAN FOR Computer Applications in Civil Engg.(G-I) (SEMESTER-5TH)SESSION: (Aug-Dec 2025)

S.No.	MONTH	WEEK	CONTENTS	REMARKS
1	August	Week 2	Unit I: Introduction : Starting up of Auto CAD, Auto CAD Window.	
		Week 3	Toolbar, drop down menu, Command window, saving the drawing. Introduction of Graphic screen.	
		Week 4	Checking of Practical Files	
		Week 5	Unit II: Drawing, Editing, Dimensioning Commands :	
2	September	Week 1	Co-ordinates, drawing limits, grid, snap, orthographic features. Drawing commands, line, circle, poly-line, multiline, ellipse, polygon etc.	
		Week 2	Editing commands – Copy, move, offset, fillet, chamfer, trim, lengthen, mirror, rotate, array etc.	
		Week 3	Checking of Practical Files	
		Week 4	Working with hatches, fills, dimensioning, text etc	
		Week 5	Unit III: Submission/ Working Drawing : Drawing T, L, I, E, H with absolute, consecutive and polar coordinate system	
3	October	Week 1	Preparation of line plan of a residential building Preparation of detailed plan of a two-room residential building	
		Week 2	Practice on making plans .	
		Week 3	Checking of Practical Files	
		Week 4	Elevation, Section, Site Plan (using different type of layers) Introduction to STAAD Pro, (Expert may be invited to demonstrate) Introduction to MS Project/Primavera	
		Week 5	Checking of Practical Files	
4	November	Week 1	Unit IV: Use of artificial Intelligence in Building Design (Expert may be invited to demonstrate)	
		Week 2	Checking of Practical Files	
		Week 3	Checking of Practical Files	
		Week 4	Viva - Voce & Practice on Plans	
		Week 5	Practice on Detailed Plans of a two room residential building.	

Signature of Teacher
(Er Ishan Sharma)

Signature of H.O.D
(Er Anita Joshi)