

Lesson Planning (Theory)

Branch : Civil Engineering

Semester : 5th

Subject : Computer Application In Civil Engg. Session : August-December 2026

Teacher: Er. Rana Kunal / Er. Anuj Rana

Class Room : A-201

S.No.	No. of WEEKS	Chapter/ Unit Description	Detail of Contents	Reference Resources	Remarks
1	3 WEEKS	Unit I: Introduction	o Starting up of Auto CAD, Auto CAD Window, Toolbar, drop down menu, Command window, saving the drawing. o Introduction of Graphic screen.	R1,R2	
2	3 WEEKS	Unit II: Drawing, Editing, Dimensioning Commands	o Co-ordinates, drawing limits, grid, snap, orthographic features. o Drawing commands, line, circle, poly-line, multiline, ellipse, polygon etc.	R1,R2	
3	3 WEEKS	Unit II: Drawing, Editing, Dimensioning Commands Unit III: Submission/ Working Drawing	o Editing commands – Copy, move, offset, fillet, chamfer, trim, lengthen, mirror, rotate, array etc. o Working with hatches, fills, dimensioning, text etc o Drawing T, L, I, E, H with absolute, consecutive and polar coordinate system o Preparation of line plan of a residential building o Preparation of detailed plan of a two-room residential building, Elevation, Section, Site Plan (using different type of layers)	R1,R2	
4	3 WEEKS	Unit III: Submission/ Working Drawing	o Introduction to STAAD Pro, (Expert may be invited to demonstrate) o Introduction to MS Project/Primavera	R1,R2	
5	2 WEEKS	o Unit IV: Use of artificial Intelligence in Building Design	(Expert may be invited to demonstrate)	R1,R2	

REFERENCE RESOURCES

- Reference Manual of AutoCAD by Auto Desk
- AutoCAD 2013 by IPH publication.

Signature of Teacher

Signature of H.O.D/OIC