

LESSON PLAN : PR-3.Building planning & drawing Lab-1 , SESSION -2025-2026 (SUMMER 2026) BATCH-2024-2027 (4th Semester)

Discipline: civil engineering	Semester: 4th	Name of the Teaching Faculty:GOURANG CHARAN PRADHAN,Sr.Lect. In civil Engg.
Subject: PR.3-Building planning & drawing Lab-1	No. of days/ per week class allotted: 4	Semester From Date : 22-12-2025 to Date: 18-04-2026 No. of Weeks: 15
Week	Class Day	Theory/ Practical Topics
1ST	1	☐ Draw various types of lines, graphical symbols for materials, doors and windows, symbols for sanitary, water supply and electrical installations and write abbreviations as per IS 962.
	2	☐ Draw various types of lines, graphical symbols for materials, doors and windows, symbols for sanitary, water supply and electrical installations and write abbreviations as per IS 962.
	3	☐ Write summary of observations of all technical details from the given drawing (One/Two BHK)obtained from the professional architect or civil engineer (Group activity in four students)
	4	☐ Write summary of observations of all technical details from the given drawing (One/Two BHK)obtained from the professional architect or civil engineer (Group activity in four students)
2ND	1	Draw line plans to suitable scale for any Five Public Buildings from the following (School Building, Primary Health Centre, Bank, Post Office, Hostel, Restaurant, Community Hall and Library).
	2	Draw line plans to suitable scale for any Five Public Buildings from the following (School Building, Primary Health Centre, Bank, Post Office, Hostel, Restaurant, Community Hall and Library).
	3	Principles of planning for Residential and Public buildingAspect, Prospect, Orientation, Grouping, Privacy, Elegance, Flexibility, Circulation, Furniture requirements, Sanitation, Economy.
	4	Principles of planning for Residential and Public buildingAspect, Prospect, Orientation, Grouping, Privacy, Elegance, Flexibility, Circulation, Furniture requirements, Sanitation, Economy.

3RD	1	Principles of planning for Residential and Public building Aspect, Prospect, Orientation, Grouping, Privacy, Elegance, Flexibility, Circulation, Furniture requirements, Sanitation, Economy.
	2	☑ Space requirement and norms for minimum dimension of different units in the residential and public buildings as per IS 962.
	3	☑ Space requirement and norms for minimum dimension of different units in the residential and public buildings as per IS 962.
	4	☑ Space requirement and norms for minimum dimension of different units in the residential and public buildings as per IS 962.
4TH	1	☑ Rules and bye-laws of sanctioning authorities for construction work.
	2	☑ Rules and bye-laws of sanctioning authorities for construction work.
	3	☑ Rules and bye-laws of sanctioning authorities for construction work.
	4	☑ Rules and bye-laws of sanctioning authorities for construction work.
5TH	1	☑ Plot area, built up area, super built up area, plinth area, carpet area, floor area and FAR (Floor Area Ratio).
	2	☑ Plot area, built up area, super built up area, plinth area, carpet area, floor area and FAR (Floor Area Ratio).
	3	☑ Plot area, built up area, super built up area, plinth area, carpet area, floor area and FAR (Floor Area Ratio).
	4	☑ Line plans for residential building of minimum three rooms including water closet (WC), bath and staircase as per principles of planning.
6TH	1	☑ Line plans for residential building of minimum three rooms including water closet (WC), bath and staircase as per principles of planning.
	2	☑ Line plans for residential building of minimum three rooms including water closet (WC), bath and staircase as per principles of planning.
	3	☑ Drawing of Single storey Load Bearing residential building (2 BHK) with staircase
	4	☑ Drawing of Single storey Load Bearing residential building (2 BHK) with staircase

7TH	1	☑ Drawing of Single storey Load Bearing residential building (2 BHK) with staircase
	2	☑ Drawing of Single storey Load Bearing residential building (2 BHK) with staircase
	3	☑ Data drawing –plan, elevation, section, site plan, schedule of openings, construction notes with specifications, area statement, Planning and design of staircase- Rise and Tread for residential and public building.
	4	☑ Data drawing –plan, elevation, section, site plan, schedule of openings, construction notes with specifications, area statement, Planning and design of staircase- Rise and Tread for residential and public building.
8TH	1	☑ Data drawing –plan, elevation, section, site plan, schedule of openings, construction notes with specifications, area statement, Planning and design of staircase- Rise and Tread for residential and public building.
	2	☑ Data drawing –plan, elevation, section, site plan, schedule of openings, construction notes with specifications, area statement, Planning and design of staircase- Rise and Tread for residential and public building.
	3	☑ Working drawing – developed plan, elevation, section passing through staircase or WC and bath.
	4	☑ Working drawing – developed plan, elevation, section passing through staircase or WC and bath.
9TH	1	☑ Working drawing – developed plan, elevation, section passing through staircase or WC and bath.
	2	☑ Working drawing – developed plan, elevation, section passing through staircase or WC and bath.
	3	☑ Foundation plan of Load bearing structure.
	4	☑ Foundation plan of Load bearing structure.
10TH	1	☑ Foundation plan of Load bearing structure.
	2	☑ Foundation plan of Load bearing structure.
	3	Drawing of Two storeyed Framed Structure (G+1), residential building (2 BHK) with staircase.
	4	Drawing of Two storeyed Framed Structure (G+1), residential building (2 BHK) with staircase.
11TH	1	Drawing of Two storeyed Framed Structure (G+1), residential building (2 BHK) with staircase.
	2	Drawing of Two storeyed Framed Structure (G+1), residential building (2 BHK) with staircase.
	3	Data drawing – developed plan, elevation, section, site plan, schedule of openings, construction notes with specifications, area statement, Planning and design of staircase- Rise and Tread for residential and public building.

	4	Data drawing – developed plan, elevation, section, site plan, schedule of openings, construction notes with specifications, area statement. Planning and design of staircase- Rise and Tread for residential and public building.
12TH	1	Data drawing – developed plan, elevation, section, site plan, schedule of openings, construction notes with specifications, area statement. Planning and design of staircase- Rise and Tread for residential and public building.
	2	☑ Working drawing of Framed structure – developed plan, elevation, section passing through staircase or WC and bath.
	3	☑ Working drawing of Framed structure – developed plan, elevation, section passing through staircase or WC and bath.
	4	☑ Working drawing of Framed structure – developed plan, elevation, section passing through staircase or WC and bath.
13TH	1	☑ Foundation plan of Framed Structure.
	2	☑ Foundation plan of Framed Structure.
	3	☑ Foundation plan of Framed Structure.
	4	☑ Details of RCC footing, Column, Beam, Chajjas, Lintel, Staircase and slab
14TH	1	☑ Details of RCC footing, Column, Beam, Chajjas, Lintel, Staircase and slab
	2	☑ Details of RCC footing, Column, Beam, Chajjas, Lintel, Staircase and slab
	3	Definition, Types of perspective, terms used in perspective drawing, principles used in perspective drawing
	4	Definition, Types of perspective, terms used in perspective drawing, principles used in perspective drawing
15TH	1	Definition, Types of perspective, terms used in perspective drawing, principles used in perspective drawing
	2	☑ Two Point Perspective of small objects only such as steps, monuments, pedestals.
	3	☑ Two Point Perspective of small objects only such as steps, monuments, pedestals.
	4	☑ Two Point Perspective of small objects only such as steps, monuments, pedestals.



Signature
29/12/24

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