

Lesson Plan (SUMMER-2025)

Discipline: Architectural Assistantship Branch		Semester: 4TH , Name of Faculty : Kalyani Mohanty
Subject: Analysis Of Structure	No. of days per week Class allotted: 4	Semester From Date: 04-02-2025 To date : 17-05-2025
Week	Class Day	Theory
1st	1st	Introduction:
	2nd	Aim, object and scope of study the subject.
	3rd	Aim, object and scope of study the subject.
	4th	Aim, object and scope of study the subject.
2nd	1st	Aim, object and scope of study the subject.
	2nd	Solution of determinate beams:
	3rd	Define a beam
	4th	Define a beam
3rd	1st	Explain various types of supports.
	2nd	Explain various types of supports.
	3rd	Explain various types of supports.
	4th	Explain various types of supports.
4th	1st	Explain various types of beams.
	2nd	Explain various types of beams.
	3rd	Explain various types of beams.
	4th	Explain various types of beams.
5th	1st	State and illustrate the concept of shear force, bending moment, shear force and bending moment diagram in case of cantilever and simply supported beam subjected to concentrated load and U.D.L acting separately.
	2nd	
	3rd	
	4th	
6th	1st	Bending stress in beams: Show the use of pure bending equation (No derivation) for
	2nd	
	3rd	

	4th	Bending stress in beams. Show the use of pure bending equation (no derivation) for followings.
7th	1st	
	2nd	
	3rd	
	4th	Rectangular solid.
8th	1st	Rectangular solid.
	2nd	Rectangular solid.
	3rd	Rectangular solid.
	4th	Circular, solid.
9th	1st	Circular, solid.
	2nd	Circular, solid.
	3rd	Circular, solid.
	4th	Slope and deflection of beams by double integration method: State and explain the differential equation of elastic curve (expression only).
10th	1st	
	2nd	
	3rd	
	4th	
11th	1st	State and explain the sign conventions for slopes and deflection.
	2nd	State and explain the sign conventions for slopes and deflection.
	3rd	State and explain the sign conventions for slopes and deflection.
	4th	State and explain the sign conventions for slopes and deflection.
12th	1st	State and explain the sign conventions for slopes and deflection.
	2nd	State and explain the sign conventions for slopes and deflection.
	3rd	State and explain the sign conventions for slopes and deflection.
	4th	State and explain the sign conventions for slopes and deflection.
13th	1st	State and explain the sign conventions for slopes and deflection.
	2nd	State and explain the sign conventions for slopes and deflection.
	3rd	State and explain the slope and deflection calculation for simply supported beam subject to single concentrated load at mid span and U.D.L over entire span.
	4th	State and explain the slope and deflection calculation for simply supported beam subject to single concentrated load at mid span and U.D.L over entire span.

14th	1st	State and explain the slope and deflection calculation for simply supported beam subject to single concentrated load at mid span and U.D.L over entire span.
	2nd	State and explain the slope and deflection calculation for simply supported beam subject to single concentrated load at mid span and U.D.L over entire span.
	3rd	State and explain the slope and deflection calculation for simply supported beam subject to single concentrated load at mid span and U.D.L over entire span.
	4th	State and explain the slope and deflection calculation for simply supported beam subject to single concentrated load at mid span and U.D.L over entire span.
15th	1st	State and explain the slope and deflection calculation for simply supported beam subject to single concentrated load at mid span and U.D.L over entire span.
	2nd	State and explain the slope and deflection calculation for simply supported beam subject to single concentrated load at mid span and U.D.L over entire span.
	3rd	State and explain the slope and deflection calculation for simply supported beam subject to single concentrated load at mid span and U.D.L over entire span.
	4th	State and explain the slope and deflection calculation for simply supported beam subject to single concentrated load at mid span and U.D.L over entire span.

BOOK REFERENCE:

1	Strength of materials
2	Structural Analysis-II

Concerned faculty:
Kalyani Mohanty

Lesson Plan

Discipline: Architectural		Semester: 4TH , Name of Faculty : Nilay Jyoti Behera
Subject: ESTIMATION AND SPECIFICATION	No. of days per week Class allotted: 4	Semester From Date: 04-02-2025 To date : 17-05-2025
Week	Class Day	Theory
1st	1st	Introduction:
	2nd	State and explain the aim and objective of the subject.
	3rd	Discuss what an estimate is.
	4th	Explain in detail different types of estimate: Rough estimate, detailed estimate, quantity estimate.
2nd	1st	Explain the methods used in plinth area calculation with an example.
	2nd	Units of measurement.
	3rd	Units of measurement.
	4th	Method of building estimates.
3rd	1st	Method of building estimates.
	2nd	Method of building estimates.
	3rd	Method of building estimates.
	4th	State and explain the centerline method of estimation of a building.
	1st	State and explain the centerline method of estimation of a building.

4th	2nd	State and explain the centerline method of estimation of a building.
	3rd	State and explain the centerline method of estimation of a building.
	4th	State and explain the centerline method of estimation of a building.
5th	1st	State and explain the centerline method of estimation of a building.
	2nd	Estimate of buildings.
	3rd	Estimate of buildings.
	4th	Estimate the detailed quantity of a single roomed building.
6th	1st	Estimate the detailed quantity of a single roomed building.
	2nd	Estimate the detailed quantity of a single roomed building.
	3rd	Estimate the detailed quantity of a single roomed building.
	4th	Estimate the detailed quantity of a single roomed building.
7th	1st	Estimate the detailed quantity of a single roomed building.
	2nd	Estimate the detailed quantity of a single roomed building.
	3rd	Estimate the detailed quantity of a single roomed building.
	4th	Estimate the detailed quantity of a single roomed building.
8th	1st	Estimate detailed quantity of a single roomed building with provision for one kitchen, one toilet and front verandah.
	2nd	
	3rd	
	4th	
9th	1st	
	2nd	
	3rd	
	4th	
10th	1st	
	2nd	
	3rd	Analysis of rate.
	4th	Analyse the rates of cement concrete work (1:4:8 and 1:2:4).
11th	1st	Analyse the rates of cement concrete work (1:4:8 and 1:2:4).
	2nd	Analyse the rates of cement concrete work (1:4:8 and 1:2:4).
	3rd	Analyse the rates of Brick work with (1:6) cement mortar.
	4th	Analyse the rates of Brick work with (1:6) cement mortar.
12th	1st	Analyse the rates of Brick work with (1:6) cement mortar.
	2nd	Specifications: Plain cement concrete in foundation.

12th	3rd	Specifications: Plain cement concrete in foundation.
	4th	Specifications: Plain cement concrete in foundation.
13th	1st	Brick work in foundation and super structure.
	2nd	Brick work in foundation and super structure.
	3rd	Brick work in foundation and super structure.
	4th	Brick work in foundation and super structure.
14th	1st	R.C.C work in foundation and super structure.
	2nd	R.C.C work in foundation and super structure.
	3rd	R.C.C work in foundation and super structure.
	4th	R.C.C work in foundation and super structure.
15th	1st	Plastering.
	2nd	Flooring (A.S flooring, terrazzo flooring, marble, tile)
	3rd	
	4th	Painting.

BOOK REFERENCE:

1	Estimate and valuation
2	Estimating & costing

Concerned faculty:
Nilay Jyoti Behera

Lesson Plan

Discipline: Architectural		Semester: 4TH , Name of Faculty : Ipsita Dash
Subject: BUILDING AND ENVIRONMENTAL SCIENCE	No. of days per week Class allotted: 4	Semester From Date: 04-02-2025 To date : 17-05-2025
Week	Class Day	Theory
1st	1st	Climatic condition:
	2nd	Introduction to Climatology and its effect on human comfort.
	3rd	Introduction to Climatology and its effect on human comfort.
	4th	Brief study of world climatic zones, tropical climate in particular.
2nd	1st	Brief study of world climatic zones, tropical climate in particular.
	2nd	Brief study of world climatic zones, tropical climate in particular.
	3rd	Elements of climate:
	4th	Solar Radiation, Temperature, Humidity, Wind and Precipitation data and measurement
3rd	1st	
	2nd	Influence of topography and vegetation on climatic design
	3rd	Influence of topography and vegetation on climatic design
	4th	Influence of topography and vegetation on climatic design
4th	1st	Climatic control in building:
	2nd	Shading devices: vertical devices and horizontal devices.

	3rd	Shading devices: vertical devices and horizontal devices.
	4th	Shading devices: vertical devices and horizontal devices.
5th	1st	Ventilation and air flow principles, principles of natural ventilation
	2nd	Ventilation and air flow principles, principles of natural ventilation
	3rd	Ventilation and air flow principles, principles of natural ventilation
	4th	Ventilation and air flow principles, principles of natural ventilation
6th	1st	Design and Orientation of building, building material and construction in warm humid climate.
	2nd	
	3rd	
	4th	
7th	1st	Brief idea about different means of mechanical control for heating, ventilation, cooling, air-conditioning.
	2nd	
	3rd	
	4th	
8th	1st	Introduction to landscape design: Definitions(Different types of Open spaces, e.g. Park, Natural Green areas, Playground)
	2nd	
	3rd	
	4th	
9th	1st	Factors that influence landscape design.
	2nd	Factors that influence landscape design.
	3rd	Factors that influence landscape design.
	4th	Factors that influence landscape design.
10th	1st	Principles of landscape design
	2nd	Principles of landscape design
	3rd	Principles of landscape design
	4th	Principles of landscape design
11th	1st	Principles of landscape design
	2nd	Principles of landscape design
	3rd	Different landscape style and historic landscape(only sketch.)
	4th	
12th	1st	Japanese
	2nd	Japanese
	3rd	Mughal

	4th	Mughal
13th	1st	English
	2nd	English
	3rd	Properties and Behaviour of sound: Brief Introduction to architectural acoustics-characteristics and measurement of sound, frequency, intensity, decibel scale(only
	4th	
14th	1st	Source, path receiver, reflection and absorption.
	2nd	Reverberation time calculations using Sabine's formula. (with the example of an auditorium)
	3rd	
	4th	Definition of dead room, live room and diffusion.
15th	1st	Definition of echo, flutter echo, creep and focusing.
	2nd	General brief description of acoustical materials –acoustical tiles, fibre board, acoustic plaster and composite materials
	3rd	
	4th	

BOOK REFERENCE:

1	Manual of Tropical housing and building (Part-I)
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Concerned faculty:
Ipsita Dash

Lesson Plan

Discipline: Architectural		Semester: 4TH , Name of Faculty : IPSITA DASH
Subject: BUILDING SERVICES	No. of days per week Class allotted: 4	Semester From Date: 04-02-2025 To date : 17-05-2025
Week	Class Day	Theory
1st	1st	Water supply: Principles of water supply system (Standards adopted for water supply as per NBC recommendation.)
	2nd	
	3rd	
	4th	
2nd	1st	Basic idea of water treatment process.
	2nd	Basic idea of water treatment process.
	3rd	Basic idea of water treatment process.
	4th	Basic idea of water treatment process.
3rd	1st	Water distribution system from reservoirs (Methods of laying out of distribution pipes).
	2nd	
	3rd	
	4th	
4th	1st	Municipal connections and positions
	2nd	Municipal connections and positions

	3rd	Municipal connections and positions
	4th	Municipal connections and positions
5th	1st	Elements of domestic water supply (sump, overhead tank, types of taps, types of valves, pipe size and pipe fittings)
	2nd	
	3rd	
	4th	
6th	1st	Sanitation: Importance of sanitation in relation to public health.
	2nd	Importance of sanitation in relation to public health.
	3rd	Refuse types, collection and disposal Separate, combined and partially separated methods.
	4th	
7th	1st	Elements of domestic sanitation.
	2nd	
	3rd	
	4th	
8th	1st	Types of septic Tank
	2nd	construction of septic tank
	3rd	Volume calculation
	4th	Soak Pit
9th	1st	Soak Pit
	2nd	Manhole
	3rd	Manhole
	4th	Inspection chamber
10th	1st	Inspection chamber
	2nd	Sanitary connections and fittings (wash basin, showers, kitchen sink, water closet, Flushing cistern, Bidets and Urinals)
	3rd	
	4th	
11th	1st	Traps (P-trap, Q-trap and S-trap)
	2nd	
	3rd	
	4th	
12th	1st	Anti siphon and ventilation pipes, Soil pipe and waste pipe
	2nd	House drainage and Sewerage: Laying of simple house drainage systems and sub-soil drains.

	3rd	Laying of simple house drainage systems and sub-soil drains.
	4th	Laying of simple house drainage systems and sub-soil drains.
13th	1st	Laying of simple house drainage systems and sub-soil drains.
	2nd	Laying of simple house drainage systems and sub-soil drains.
	3rd	Laying of simple house drainage systems and sub-soil drains.
	4th	Laying of simple house drainage systems and sub-soil drains.
14th	1st	Laying of simple house drainage systems and sub-soil drains.
	2nd	Laying of simple house drainage systems and sub-soil drains.
	3rd	Laying of simple house drainage systems and sub-soil drains.
	4th	Laying of sewers
15th	1st	Laying of sewers
	2nd	Laying of sewers
	3rd	Laying of sewers
	4th	Laying of sewers

BOOK REFERENCE:

1	Water supply and sanitation (B.C. Punmia)
2	Water supply and sanitation (G.S. Biridi)

Concerned faculty:
IPSITA DASH

Lesson Plan

Discipline: Architectural		Semester: 5TH , Name of Faculty : NILAYA JYOTI BEHERA
Subject: ARCHITECTURAL DESIGN-I	No. of days per week Class allotted: 5	Semester From Date: 04-02-2025 To date : 17-05-2025
Week	Class Day	Theory
1st	1st	Design a small single family residence (single storied): Background study (Self Study)- anthropometrics, activity analysis, bubble diagram, functional requirement, area analysis.
	2nd	
	3rd	
	4th	
	5th	
2nd	1st	
	2nd	
	3rd	
	4th	
	5th	
3rd	1st	Single line conceptual drawing.
	2nd	Single line conceptual drawing.
	3rd	Single line conceptual drawing.
	4th	Single line conceptual drawing.

	5th	Single line conceptual drawing.
4th	1st	Double line plan and elevations (preliminary drawings).
	2nd	Double line plan and elevations (preliminary drawings).
	3rd	Double line plan and elevations (preliminary drawings).
	4th	Double line plan and elevations (preliminary drawings).
	5th	Double line plan and elevations (preliminary drawings).
5th	1st	Double line plan and elevations (preliminary drawings).
	2nd	Double line plan and elevations (preliminary drawings).
	3rd	Double line plan and elevations (preliminary drawings).
	4th	Presentation drawings.
	5th	Presentation drawings.
6th	1st	Site Plan
	2nd	Site Plan
	3rd	Ground Floor Plan
	4th	Ground Floor Plan
	5th	Two Elevations
7th	1st	Two Elevations
	2nd	Two Sections
	3rd	Two Sections
	4th	Terrace Plan
	5th	Terrace Plan
8th	1st	A duplex bungalow: Design to include all the above steps of chapter -I
	2nd	
	3rd	
	4th	
	5th	
9th	1st	Design to include all the above steps of chapter -I
	2nd	Design to include all the above steps of chapter -I
	3rd	Design to include all the above steps of chapter -I
	4th	Design to include all the above steps of chapter -I
	5th	Design to include all the above steps of chapter -I
	1st	Site analysis
	2nd	Site analysis

10th	3rd	Site analysis
	4th	Site analysis
	5th	Site analysis
11th	1st	Site analysis
	2nd	Site analysis
	3rd	Site analysis
	4th	Site analysis
	5th	Site analysis
12th	1st	Presentation drawing
	2nd	Presentation drawing
	3rd	Presentation drawing
	4th	Presentation drawing
	5th	Presentation drawing
13th	1st	☐ Site plan
	2nd	☐ Site plan
	3rd	☐ Ground floor plan showing interior arrangement
	4th	☐ Ground floor plan showing interior arrangement
	5th	☐ First Floor Plan
14th	1st	☐ First Floor Plan
	2nd	☐ Two Elevations
	3rd	☐ Two Elevations
	4th	☐ Two sections
	5th	☐ Two sections
15th	1st	☐ Two sections
	2nd	☐ Terrace Plan
	3rd	☐ Terrace Plan
	4th	☐ Terrace Plan
	5th	☐ Terrace Plan

BOOK REFERENCE:

1	Time saver standard for Building types
2	Neufert Architect's Data
3	

Concerned faculty:
NILAYA JYOTI BEHERA

<u>Lesson Plan</u>		
Discipline: Architectural		Semester: 5TH , Name of Faculty : IPSITA DASH
Subject: LANDSCAPE DESIGN	No. of days per week Class allotted: 3	Semester From Date: 04-02-2025 To date : 17-05-2025
Week	Class Day	Theory
1st	1st	Fundamentals of site planning
	2nd	
	3rd	Explain with drawings and sketches.
2nd	1st	Explain with drawings and sketches.
	2nd	Explain with drawings and sketches.
	3rd	Landscape Details: Paving
3rd	1st	Landscape Details: Paving
	2nd	Landscape Details: Paving
	3rd	Landscape Details: Paving
4th	1st	Boundary wall with entrance gate
	2nd	Boundary wall with entrance gate
	3rd	Boundary wall with entrance gate
5th	1st	Retaining wall
	2nd	Retaining wall

	3rd	Retaining wall
6th	1st	Retaining wall
	2nd	Retaining wall
	3rd	Water body
7th	1st	Water body
	2nd	Water body
	3rd	Water body
8th	1st	Planter box
	2nd	Planter box
	3rd	Planter box
9th	1st	Planter box
	2nd	Lamp post
	3rd	Lamp post
10th	1st	Lamp post
	2nd	Seating
	3rd	Seating
11th	1st	Design of Parking lots
	2nd	Design of Parking lots
	3rd	Design of Parking lots
12th	1st	Design of Parking lots
	2nd	Design of Parking lots
	3rd	Design of Open Spaces: Parks (Neighborhood or city level)
13th	1st	Parks (Neighborhood or city level)
	2nd	Parks (Neighborhood or city level)
	3rd	Parks (Neighborhood or city level)
14th	1st	Parks (Neighborhood or city level)
	2nd	Boulevards and pavement
	3rd	Boulevards and pavement
15th	1st	Boulevards and pavement
	2nd	Boulevards and pavement
	3rd	Boulevards and pavement

BOOK REFERENCE:

1	Time saver standard for Landscape Architecture.

Concerned faculty:
IPSITA DASH

<u>Lesson Plan</u>		
Discipline: Architectural Assistantship Branch		Semester: 5TH , Name of Faculty : SAI SAMPARNA ACHARYA
Subject: WORKING DRAWING-I	No. of days per week Class allotted: 5	Semester From Date: 04-02-2025 To date : 17-05-2025
Week	Class Day	Theory
1st	1st	Excavation plan and section.
	2nd	Excavation plan and section.
	3rd	Excavation plan and section.
	4th	Excavation plan and section.
	5th	Foundation plans and sections.
2nd	1st	Foundation plans and sections.
	2nd	Foundation plans and sections.
	3rd	Foundation plans and sections.
	4th	Foundation plans and sections.
	5th	Foundation plans and sections.
3rd	1st	Foundation plans and sections.
	2nd	Foundation plans and sections.
	3rd	Ground floor plan in detail.

	4th	Ground floor plan in detail.
	5th	Ground floor plan in detail.
4th	1st	Ground floor plan in detail.
	2nd	Ground floor plan in detail.
	3rd	Ground floor plan in detail.
	4th	Ground floor plan in detail.
	5th	Ground floor plan in detail.
	5th	Ground floor plan in detail.
5th	1st	First floor plan in detail
	2nd	First floor plan in detail
	3rd	First floor plan in detail
	4th	First floor plan in detail
	5th	First floor plan in detail
6th	1st	First floor plan in detail
	2nd	First floor plan in detail
	3rd	First floor plan in detail
	4th	Lintel level plan of all the floors(showing details of lintel and chhaja
	5th	Lintel level plan of all the floors(showing details of lintel and chhaja
7th	1st	Lintel level plan of all the floors(showing details of lintel and chhaja
	2nd	Lintel level plan of all the floors(showing details of lintel and chhaja
	3rd	Lintel level plan of all the floors(showing details of lintel and chhaja
	4th	Lintel level plan of all the floors(showing details of lintel and chhaja
	5th	Lintel level plan of all the floors(showing details of lintel and chhaja
8th	1st	Lintel level plan of all the floors(showing details of lintel and chhaja
	2nd	Second floor plan (if necessary).
	3rd	Second floor plan (if necessary).
	4th	Second floor plan (if necessary).
	5th	Second floor plan (if necessary).
9th	1st	Second floor plan (if necessary).
	2nd	Second floor plan (if necessary).
	3rd	Second floor plan (if necessary).
	4th	Second floor plan (if necessary).
	5th	Roof / Terrace plan.
	1st	Roof / Terrace plan.

10th	2nd	Roof / Terrace plan.
	3rd	Four sides working elevation
	4th	Four sides working elevation
	5th	Four sides working elevation
11th	1st	Four sides working elevation
	2nd	Four sides working elevation
	3rd	Four sides working elevation
	4th	Four sides working elevation
	5th	Four sides working elevation
12th	1st	Sections (through staircase and toilet)
	2nd	Sections (through staircase and toilet)
	3rd	Sections (through staircase and toilet)
	4th	Sections (through staircase and toilet)
	5th	Sections (through staircase and toilet)
13th	1st	Sections (through staircase and toilet)
	2nd	Plumbing/sanitary lay out with specification
	3rd	Plumbing/sanitary lay out with specification
	4th	Plumbing/sanitary lay out with specification
	5th	Electrical layout
14th	1st	Electrical layout
	2nd	Electrical layout
	3rd	Local authority approval drawing as per the building Bye-Laws
	4th	Local authority approval drawing as per the building Bye-Laws
	5th	Local authority approval drawing as per the building Bye-Laws
15th	1st	Local authority approval drawing as per the building Bye-Laws
	2nd	Local authority approval drawing as per the building Bye-Laws
	3rd	Local authority approval drawing as per the building Bye-Laws
	4th	Local authority approval drawing as per the building Bye-Laws
	5th	Local authority approval drawing as per the building Bye-Laws

BOOK REFERENCE:

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Concerned faculty:
SAI SAMPARNA ACHARYA

<u>Lesson Plan</u>		
Discipline: Architectural Assistantship Branch		Semester: 4TH , Name of Faculty : SAI SAMPARNA ACHARYA
Subject: DESCRIPTIVE GEOMETRY	No. of days per week Class allotted: 4	Semester From Date: 04-02-2025 To date : 17-05-2025
Week	Class Day	Theory
1st	1st	Surface development: Development of the surface of geometrical solids (Cube, Cuboids, Pyramid, Prism, Cylinder and Cone.)
	2nd	
	3rd	
	4th	
2nd	1st	Development of the surface of geometrical solids cut by sectional planes
	2nd	
	3rd	
	4th	
3rd	1st	Development of the surface of geometrical solids cut by sectional planes
	2nd	Development of the surface of geometrical solids cut by sectional planes
	3rd	Development of the surface of geometrical solids cut by sectional planes
	4th	Development of the surface of geometrical solids cut by sectional planes
	1st	Development of the surface of geometrical solids cut by sectional planes

4th	2nd	Development of the surface of geometrical solids cut by sectional planes
	3rd	Development of the surface of geometrical solids cut by sectional planes
	4th	Isometric view of the following: Geometrical forms.
5th	1st	Isometric view of the following: Geometrical forms.
	2nd	Isometric view of the following: Geometrical forms.
	3rd	Isometric view of the following: Geometrical forms.
	4th	Isometric view of the following: Geometrical forms.
6th	1st	Cubical forms.
	2nd	Cubical forms.
	3rd	Cubical forms.
	4th	Cubical forms.
7th	1st	Cubical forms.
	2nd	Complex forms
	3rd	Complex forms
	4th	Complex forms
8th	1st	Complex forms
	2nd	Complex forms
	3rd	Axonometric view of the following: Group of solids
	4th	Group of solids
9th	1st	Group of solids
	2nd	Group of solids
	3rd	Group of solids
	4th	Group of solids
10th	1st	Group of solids
	2nd	Group of solids
	3rd	Interior view of a small building.
	4th	Interior view of a small building.
11th	1st	Interior view of a small building.
	2nd	Interior view of a small building.
	3rd	Interior view of a small building.
	4th	Interior view of a small building.
12th	1st	Interior view of a small building.
	2nd	

12th	3rd	Perspective view: One point perspective. Interior of a kitchen or any other room
	4th	
13th	1st	Two point perspectives of solid geometrical forms
	2nd	
	3rd	
	4th	
14th	1st	Two point perspectives of solid geometrical forms
	2nd	Two point perspectives of solid geometrical forms
	3rd	Two point perspectives of solid geometrical forms
	4th	Measuring point method of solid geometrical forms
15th	1st	Measuring point method of solid geometrical forms
	2nd	Measuring point method of solid geometrical forms
	3rd	Measuring point method of solid geometrical forms
	4th	Measuring point method of solid geometrical forms

BOOK REFERENCE:

1	
2	

Concerned faculty:
SAI SAMPARNA ACHARYA

Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 5TH , Name of Faculty : SAI SAMPARNA ACHARYA
Subject: AUTO CAD-II	No. of days per week Class allotted: 5	Semester From Date: 04-02-2025 To date : 17-05-2025
Week	Class Day	Theory
1st	1st	Project on 2D.
	2nd	Project on 2D.
	3rd	Project on 2D.
	4th	Project on 2D.
	5th	Project on 2D.
2nd	1st	Project on 2D.
	2nd	Project on 2D.
	3rd	Project on 2D.
	4th	Project on 2D.
	5th	Project on 2D.
3rd	1st	Project on 2D.
	2nd	Project on 2D.
	3rd	Project on 2D.

	4th	Project on 2D.
	5th	Project on 2D.
4th	1st	Introduction to 3D-Modelling
	2nd	Introduction to 3D-Modelling
	3rd	Introduction to 3D-Modelling
	4th	Introduction to 3D-Modelling
	5th	Introduction to 3D-Modelling
5th	1st	Isometric VIEW/perspective VIEW
	2nd	Isometric VIEW/perspective VIEW
	3rd	Isometric VIEW/perspective VIEW
	4th	Isometric VIEW/perspective VIEW
	5th	Isometric VIEW/perspective VIEW
6th	1st	Co-ordinate system
	2nd	Co-ordinate system
	3rd	Co-ordinate system
	4th	Co-ordinate system
	5th	Co-ordinate system
7th	1st	3D entities and commands
	2nd	3D entities and commands
	3rd	3D entities and commands
	4th	3D entities and commands
	5th	3D entities and commands
8th	1st	3D entities and commands
	2nd	3D entities and commands
	3rd	3D entities and commands
	4th	3D entities and commands
	5th	3D entities and commands
9th	1st	3D entities and commands
	2nd	3D entities and commands
	3rd	3D entities and commands
	4th	3D entities and commands
	5th	3D entities and commands
	1st	3D viewing and editing

10th	2nd	3D viewing and editing
	3rd	3D viewing and editing
	4th	3D viewing and editing
	5th	3D viewing and editing
11th	1st	3D viewing and editing
	2nd	3D viewing and editing
	3rd	3D viewing and editing
	4th	3D viewing and editing
	5th	3D viewing and editing
12th	1st	Rendering
	2nd	Rendering
	3rd	Rendering
	4th	Rendering
	5th	Rendering
13th	1st	Project
	2nd	Project
	3rd	Project
	4th	Project
	5th	Project
14th	1st	Project
	2nd	Project
	3rd	Project
	4th	Project
	5th	Project
15th	1st	Project
	2nd	Project
	3rd	Project
	4th	Project
	5th	Project

BOOK REFERNCE:

1	Mastering AutoCAD 2016 and AutoCAD LT 2016
2	AutoCAD 2016® and AutoCAD LT® 2016: ESSENTIALS
3	AutoCAD

Concerned faculty:
SAI SAMPARNA ACHARYA

Lesson Plan

Discipline: Architectural		Semester: 6TH , Name of Faculty : NILAY JYOTI BEHERA
Subject: Photoshop	No. of days per week Class allotted: 5	Semester From Date: 04-02-2025 To date : 17-05-2025
Week	Class Day	Theory
1st	1st	1.0 Introduction to Photoshop
	2nd	1.1 What is Photoshop?
	3rd	1.2 System requirements
	4th	1.3 Image size and resolution
	5th	1.4 Creating working space
2nd	1st	1.5 Scanning images
	2nd	1.6 Saving images
	3rd	1.7 Opening images
	4th	1.8 Importing images
	5th	1.9 Placing files
3rd	1st	2.0 Introduction to tools
	2nd	2.1 Tool box
	3rd	2.2 Tool option bars
	4th	2.2 Tool option bars
	5th	2.3 Tools presets
4th	1st	2.3 Tools presets
	2nd	2.4 Selection tools
	3rd	2.4 Selection tools
	4th	2.5 Selection menu
	5th	2.5 Selection menu
5th	1st	3.0 Working with layer 3.1 What is a layer?
	2nd	
	3rd	
	4th	3.2 Blending Modes

	5th	3.2 Blending Modes
6th	1st	3.2 Blending Modes
	2nd	3.3 Features of an adjustment layer
	3rd	3.3 Features of an adjustment layer
	4th	3.3 Features of an adjustment layer
	5th	3.4 Working with layers
7th	1st	4.0 Creating shapes and mat painting 4.1 Painting
	2nd	4.2 Drawing 4.3 Pen tool
	3rd	4.4 Work path
	4th	4.5 Painting tools
	5th	4.6 Brush presets
8th	1st	5.0 Transforming and retouching 5.1 Cropping images
	2nd	5.2 Working with canvas size
	3rd	5.3 Transforming objects
	4th	5.4 Working with clone stamp tools
	5th	5.5 Retouching the image
9th	1st	6.0 Colour and tonal adjustments 6.1 Colour corrections
	2nd	6.2 Sharpening images 6.3 Colour models
	3rd	6.4 Colour gamuts
	4th	6.5 Adjusting colour display for cross-platform
	5th	6.6 Variation 6.7 Changing Screen mode
10th	1st	7.0 Filters 7.1 Distorting with liquefy command
	2nd	
	3rd	
	4th	7.2 Pattern maker
	5th	7.2 Pattern maker
	1st	7.2 Pattern maker

11th	2nd	7.3 Filter Gallery
	3rd	
	4th	
	5th	7.4 Filters
12th	1st	8.0 Text 8.1 Text tool
	2nd	
	3rd	
	4th	
	5th	
13th	1st	8.2 Creating text effects using filters
	2nd	8.2 Creating text effects using filters
	3rd	8.2 Creating text effects using filters
	4th	8.2 Creating text effects using filters
	5th	8.2 Creating text effects using filters
14th	1st	9.0 Working with channels and masking
	2nd	9.1 Channels and bit depth
	3rd	9.2 Converting between bit depths
	4th	9.2 Converting between bit depths
	5th	9.3 Converting between modes
15th	1st	9.3 Converting between modes
	2nd	9.4 Features of mask
	3rd	9.4 Features of mask
	4th	9.5 Working with alpha-channels
	5th	9.5 Working with alpha-channels

BOOK REFERENCE:

1	Photoshop Bible
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2	Adobe Photoshop class room in a book
3	Photoshop
4	Photoshop down dirty Tricks
5	How to do everything with Photoshop a beginner's guide

Concerned faculty:
NILAY JYOTI BEHERA

Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 6TH , Name of Faculty : N J BEHERA/IPSITA DASH/BASANTI PANIGRAHI
Subject: PROJECT WORK PHASE-II	No. of days per week Class allotted: 8	Semester From Date: 04-02-2025 To date : 17-05-2025
Week	Class Day	Theory
1st	1ST	Case Study
	2nd	Case Study
	3rd	Case Study
	4th	Case Study
	5th	Case Study
	6th	Case Study
	7th	Case Study
	8th	Case Study
2nd	1ST	Case Study
	2nd	Case Study
	3rd	Case Study
	4th	Case Study
	5th	Case Study
	6th	Case Study
	7th	Case Study
	8th	Case Study
3rd	1ST	Case Study
	2nd	Case Study
	3rd	Case Study
	4th	Case Study
	5th	Case Study
	6th	Site Analysis
	7th	Site Analysis
	8th	Site Analysis
	1ST	Site Analysis

4th	2nd	Site Analysis
	3rd	Site Analysis
	4th	Site Analysis
	5th	Site Analysis
	6th	Site Analysis
	7th	Site Analysis
	8th	Site Analysis
5th	1ST	Site Analysis
	2nd	Site Analysis
	3rd	Site Analysis
	4th	Site Analysis
	5th	Site Analysis
	6th	Site Analysis
	7th	Site Analysis
	8th	Site Analysis
6th	1ST	Site Analysis
	2nd	Site Analysis
	3rd	Concept Design
	4th	Concept Design
	5th	Concept Design
	6th	Concept Design
	7th	Concept Design
	8th	Concept Design
7th	1ST	Concept Design
	2nd	Concept Design
	3rd	Concept Design
	4th	Concept Design
	5th	Concept Design
	6th	Concept Design
	7th	Concept Design
	8th	Concept Design
	1ST	Concept Design
	2nd	Concept Design

8th	3rd	Concept Design
	4th	Concept Design
	5th	Concept Design
	6th	Plan
	7th	Plan
	8th	Plan
9th	1ST	Plan
	2nd	Plan
	3rd	Plan
	4th	Plan
	5th	Plan
	6th	Plan
	7th	Plan
	8th	Plan
10th	1ST	Elevation
	2nd	Elevation
	3rd	Elevation
	4th	Elevation
	5th	Elevation
	6th	Elevation
	7th	Elevation
	8th	Elevation
11th	1ST	Elevation
	2nd	Elevation
	3rd	Section
	4th	Section
	5th	Section
	6th	Section
	7th	Section
	8th	Section
	1ST	Section
	2nd	Section
	3rd	Views

12th	4th	Views
	5th	Views
	6th	Views
	7th	Views
	8th	Views
13th	1ST	Views
	2nd	Views
	3rd	Views
	4th	Views
	5th	Views
	6th	Views
	7th	Report
	8th	Report
14th	1ST	Report
	2nd	Report
	3rd	Report
	4th	Report
	5th	Report
	6th	Report
	7th	Report
	8th	Presentation
15th	1ST	Presentation
	2nd	Presentation
	3rd	Presentation
	4th	Presentation
	5th	Presentation
	6th	Presentation
	7th	Presentation
	8th	Presentation

BOOK REFERENCE:

1	
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2	
3	
4	
5	

Concerned faculty:
N J BEHERA/IPSITA DASH/BASANTI PANIGRAHI

Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 6TH , Name of Faculty : SMRUTI SHITA MOHANTY
Subject: LIFESKILL	No. of days per week Class allotted: 2	Semester From Date: 04-02-2025 To date : 17-05-2025
Week	Class Day	Theory
1st	1st	SOCIAL SKILL
	2nd	SOCIAL SKILL
2nd	1st	SOCIAL SKILL
	2nd	SOCIAL SKILL
3rd	1st	SOCIAL SKILL
	2nd	PROBLEM SOLVING
4th	1st	PROBLEM SOLVING
	2nd	PROBLEM SOLVING
5th	1st	PROBLEM SOLVING
	2nd	PROBLEM SOLVING
6th	1st	PRESENTATION SKILL
	2nd	PRESENTATION SKILL
7th	1st	PRESENTATION SKILL
	2nd	PRESENTATION SKILL
8th	1st	PRESENTATION SKILL
	2nd	GROUP DISCUSSION AND INTERVIEW TECHNIQUE
9th	1st	GROUP DISCUSSION AND INTERVIEW TECHNIQUE
	2nd	GROUP DISCUSSION AND INTERVIEW TECHNIQUE
10th	1st	GROUP DISCUSSION AND INTERVIEW TECHNIQUE
	2nd	GROUP DISCUSSION AND INTERVIEW TECHNIQUE
11th	1st	WORKING IN TEAM
	2nd	WORKING IN TEAM
12th	1st	WORKING IN TEAM
	2nd	WORKING IN TEAM
13th	1st	WORKING IN TEAM

13th	2nd	TASK MANAGEMENT
14th	1st	TASK MANAGEMENT
	2nd	TASK MANAGEMENT
15th	1st	TASK MANAGEMENT
	2nd	TASK MANAGEMENT

BOOK REFERENCE:

1	Basic Managerial Skills for All
2	Creativity and problem solving
3	Decision making & Problem
4	Develop Your Assertiveness
5	Body Language

Concerned faculty:
SMRUTI SHITA MOHANTY