



Criteria 2.6. Student Performance and Learning Outcomes

2.6.1 The institution has stated learning outcomes (Program and Course outcomes), graduate attributes, which are integrated into the assessment process and widely published through the website and other documents, and the attainment of the same is evaluated by the institution

// Sushant // University

Academic Year

2023-2024

Course Activity Sheet
(Planning and Review)

Academic Year 2023-2025
 Programme M.DES(1D)
 Semester I
 Course Name MATERIAL STRUCTURE, PERFORMANCE: PRIMARY MATERIAL
 Course Code 23 MID-1POS
 LTP 2-1-0
 School School of Design
 Faculty Anand Mohan Bajpai

Planning Checklist

S. No	Activity	Status
1	Is the syllabus copy maintained and submitted by the faculty member?	Yes/No ✓
2	Is lecture plan signed and updated by the faculty member?	YES.
3	Is previous year question paper made available?	July sheet. YES
4	Is Time Table made available?	YES
5	Number of Assignments planned	2
6	Number of quiz planned	2
7	Digital Learning LX (LMS – Review) Is it updated with following (suggestive) : Syllabus Reference material Video links Quiz/Assignment	YES.
8	Is mapping of students available on ERP along with the timetable?	YES.
9	Suggest atleast one innovative way for better engagement of students in this course	Reference material shared with the students.

Anand Bajpai
15-9-23
(Signature of Faculty Member with Date)

[Signature]
(Signature of Dean with Date)



Mid-Semester Review

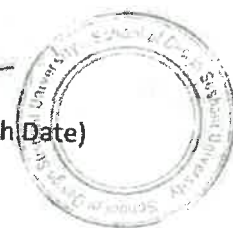
S.No	Activity	Status
1.	Is the attendance updated on ERP?	Yes/No
2.	Percentage of students who are not meeting the attendance criteria of 75%	0 y.
3.	Pass percentage in Internal Assessment so far	100 y.
4.	Identification and motivation for toppers Student RollNo Name 1 230MPDES001 Ankit. 2 230MPDES002 Anushka. 3 4	Mention the activities All six co's for The subjects were attended. & Reference notes & ppt provided to the students.
5.	Identification and motivation for weaker students Student RollNo Name 1 2 3 4	Mention the activities . There is no slow learner in this subject

Dean's Review and recommendations

Reviewed.
Focus on research

A. B. Jai
9/10/23
(Signature of Faculty Member with Date)

Kumar
(Signature of Dean with Date)



End-Semester Review

S.No	Activity	Status
1.	Is the attendance updated on ERP?	Yes/No
2.	Percentage of students who are not meeting the attendance criteria of 75%	0%
3.	Pass percentage	100%
4.	Summary of CO attainment CO1 1.8 CO2 2.28 CO3 2.184	All 5x CO's For The Subject were attained.
5.	Student Feedback	Classes Planned as per Lesson Plan.
6.	Exit Feedback by faculty member for improvement in future	The course was completed as per deliverables.

Dean's Review

Reviewed

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A. P. Bipi
16/10/23.

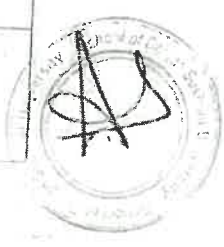
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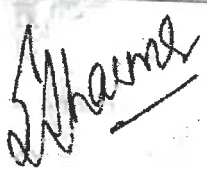
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Anand Mahan Bajpai, SU0918									
Timings	9:10 AM - 10:00 AM	10:05 AM - 10:55 AM	11:00 AM - 11:50 AM	11:55 AM - 12:45 PM	12:45 PM - 1:25 PM	1:25 PM - 2:15 PM	2:20 PM - 3:10 PM	3:15 PM - 4:05 PM	4:10 PM - 5:00 PM
Monday		23MID-1P01 Studio I (primer + 1 Major project) Anand Bajpai, SU0918 Practical	23MID-1P01 Studio I (primer + 1 Major project) Anand Bajpai, SU0918 Practical	23MID-1P01 Studio I (primer + 1 Major project) Anand Bajpai, SU0918 Practical		21MID-3P04 Universal Design Anand Bajpai, SU0918 Practical	21MID-3P04 Universal Design Anand Bajpai, SU0918 Practical	21MID-3P04 Universal Design Anand Bajpai, SU0918 Practical	
Tuesday									
Wednesday	21BIA-SP02 Fundamentals of BIM Anand Bajpai, SU0918 Practical	21BIA-SP02 Fundamentals of BIM Anand Bajpai, SU0918 Practical	21BIA-SP02 Fundamentals of BIM Anand Bajpai, SU0918 Practical	23MDS-1P01 Seminar: Fundamentals of Design* Anand Bajpai, SU0918 Practical	23MDS-1P01 Seminar: Fundamentals of Design* Anand Bajpai, SU0918 Practical	23MDS-1P01 Seminar: Fundamentals of Design* Anand Bajpai, SU0918 Practical	21MID-3P01 Studio III (Thesis) Anand Bajpai, SU0918 Practical	21MID-3P01 Studio III (Thesis) Anand Bajpai, SU0918 Practical	21MID-3P01 Studio III (Thesis) Anand Bajpai, SU0918 Practical
Thursday									
Friday	21BIA-3P01 Form, Structure & Materials I Anand Bajpai, SU0918 Practical	21BIA-3P01 Form, Structure & Materials I Anand Bajpai, SU0918 Practical				21BIA-3P01 Form, Structure & Materials I Anand Bajpai, SU0918 Practical	23MID-1P05 Materials, Structure, Performance: primary materials Anand Bajpai, SU0918 Practical	23MID-1P05 Materials, Structure, Performance: primary materials Anand Bajpai, SU0918 Practical	



SUSHANT UNIVERSITY
ACADEMIC CALENDAR 2023-24

ODD SEMESTER	
Orientation	01-11 Aug 2023
Start of ODD Semester	
3rd, 5th, 7th and 9th Semester	7-Aug-23
1st Semester	14-Aug-23
Fresher's Day	29-Sep-23
Mid Semester Evaluation (MSE)	
3rd, 5th, 7th and 9th Semester (Faculty to submit all marks to the Dean by-)	11-Oct-23
1st Semester (Faculty to submit all marks to the Dean by-)	2-Nov-23
Diwali Break	10 Nov to 13 Nov 2023
Convocation	Between 20 Nov to 24 Nov 2023
Last Teaching Day of the Semester	1-Dec-23
End Semester Examination (ESE)	04 Dec to 22Dec 2023
Winter Break (For Students Only)	23 Dec 2023 to 7 Jan 2024
EVEN SEMESTER	
Start of EVEN Semester	8-Jan-24
Sports Meet and Annual Function	15 Feb to 17 Feb 2024
Mid Semester Evaluation (MSE) (Faculty to submit all marks to the Dean by-)	14-Mar-24
Last Teaching Day of the Semester	3-May-24
End Semester Examination (ESE)	06 May to 24 May 2024
Summer Break (For Students Only)	25 May 2024 onwards
Please note: For 2023 admitted students, classes may be held on Saturdays as well in the first Semester	
Submitted for your kind approval.	
 Pro-Vice Chancellor & Registrar 	



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Materials, structure, performance: primary materials

Course Code: 23MID-1P05

Credits: 03

Course Objective

The course comprises of the knowledge of Building Construction and Services- from basics to advance and aims at understanding the techniques used in the building industry. The learning outcomes that students are expected to achieve in this course include:

- Ability to analyse and understand natural light
- Ability to apply light theory to building design.
- Ability to design and create basic lighting schemes encompassing the following – mood, accent, distribution and function.
- Learn and use the terms common to the Building Industry.
- Will be able to identify and safely use hand and technique commonly used in the Building Industry.
- Will display safe and professional work practices.
- Will be able to understand and utilize basic principles used in Building Construction & Services.

Course Outcomes

By the end of the course, the student will be able to:

CO1: Understand the professional terms used in industry.

CO2: Understand the materials and the methods & techniques used in a building construction.

CO3: Understand and demonstrate the services required to make a building function smoothly on day-to-day basis.

Course Contents

Module 1:

- Introduction to Basics of Construction.
- Brick Masonry & Stone Masonry.
- Arches & Lintels.

Module 2:

- Doors & Windows.
- Staircase & False Ceiling.
- Partition & Paneling.

Module 3:

- Introduction to Services.
- Damp Protection & Termite Protection.
- Fire protection, Paints & Polishes.

Pedagogy



Lectures, practical demonstration, tutorials, personal study, day visits. Each student is required to work in studio and to follow up the sessions with further research in given assignments.

Text Books

- Barry, R. Construction of Buildings, East West Press Pvt. Ltd, New Delhi, 1999
- McKay, W.B.; Building Construction (vol I, II, III & IV), Orient Longman, London, 1988
- Allen, Edwards., Fundamentals of Building Construction: Materials and Methods. John Wiley & Sons, New York, 1999
- Punamia B.C.; Building Construction, Laxmi Publication (P) Ltd, New Delhi, 1993
- Chudley, R.; Building Construction Handbook, Butterworth Heinemann, Oxford, 1988
- Why Buildings Stand Up: The Strength of Architecture, Mario Salvadori
- Building Structures Illustrated, Francis D. K. Ching, Barry S. Onouye, Douglas Zuberbuhler
- Architecture: Form, Space, and Order, Francis D. K. Ching
- Materials For Design, Victoria Ballard Bell

Course Assessment Components

This course is of 100 marks and will have the following assessment components. Final Grades will be based on the relative performance of a student in the class

Mid Semester Examination	Quiz(s)/ Presentation (s)	Assignment(s)	Total Internal Component	End Semester Examination
15	15	10	40	60

Course Outcomes to Program Outcomes and Program Specific Outcomes Mapping Matrix

POs (Program Outcomes)- At the end of the program the students will be able to:

PO-1	Knowledge & Expertise of Design Field
PO-2	Research
PO-3	Information & Digital Literacy
PO-4	Problem Solving
PO-5	Communication and presentation skills
PO-6	Behavioral skills, Teamwork and leadership
PO-7	Globalization
PO-8	Ethical, Social and professional understanding



PO-9	Employability, Entrepreneurship
PO-10	Lifelong learning
PO-11	Organizational behavior
PO-12	Finance and marketing

PSOs (Program Specific Outcomes)

PSO-1	Developing a professional mind set by a well-designed pedagogical structure. Inculcating critical thinking and teamwork as basic graduate attributes with adherence to the moral and ethical code of conduct to perform equally well in the areas of employability and entrepreneurship
PSO-2	Gaining updated knowledge and understanding regarding contemporary developments, smart materials, cutting edge technology, state of the art advancements, etc. in the field of interior and construction to develop an intuitive and innovate approach and contribution towards the field of design.
PSO-3	Approaching problem solving attributes through a strong research background. Attaining adequate scholarly knowledge by exposing students for referring to editorials, volumes, papers, journals, and authentic e-platforms. Encouraging prospective graduates for higher degree of research, studies, explorations and develop novel prototypes and products.
PSO-4	Imbibing a sense of appreciation towards different history, culture, tradition, craftsmen, artists alike and developing collaborative approach to protect and prosper the identity and authenticity of design community.
PSO-5	Inculcating the habits of constructive criticism, self-evaluation and lifelong learning through cross-collaboration, design studio culture, hands-on working. Acknowledging the betterment of the society by working for the needy and the under privileged through the Social drives and programmers.
PSO-6	Imbibing a sense of appreciation towards different history, culture, tradition, craftsmen, artists alike and developing collaborative approach to protect and prosper the identity and authenticity of design and architecture community.



Relationship between the Course Outcomes (COs) and Program Outcomes (POs) / Program Specific Outcomes (PSOs)

Matrix 1- Mapping of COs with POs and PSOs

Course Outcomes (COs)	Program Outcomes (POs)	Program Specific Outcomes (PSOs)

	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	PO 10	PO 11	PO 12	PS O1	PS O2	PS O3	PS O4	PS O5	PS O6
CO1	M	M	L					M	M	L			L	L	H	M	H	M
CO2	H	M	M					M	M	M			M	H	M	L	M	L
CO3	M	M	M					L	M	M			M	M	M	H	M	M

Where H= High relationship (covers up to 75-95% of the desired outcome); M=Medium (covers up to 50 to 75%); L=Low (covers up to 10-50% of the desired outcome)



COURSE OUTLINE

Course Title: Materials, Structure, Performance: primary materials

Term: I

Academic Year: 2023-24

Core/Elective: Core

Course Code: 23MID-1P05

Credits: 03

Course Designed by: Anand Mohan Bajpai

E-mail: anandbajpai@sushantuniversity.edu.in

Course Conducted by: Anand Mohan Bajpai

E-mail: anandbajpai@sushantuniversity.edu.in

Pre-requisites:

1. Course Outcomes:

Upon successful completion of the course, the student should be able to

CO1: Understand basic principle of load and force.

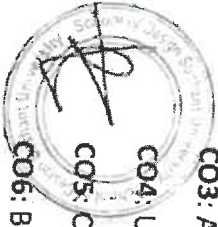
CO2: Understand relevant structural systems and their elements.

CO3: Attain the knowledge of how relevant materials behave structurally and basic application of materials.

CO4: Understand of the complete repertoire of materials, quality, use and fixing of each material.

CO5: Components of a building and technical nomenclature associated with it.

CO6: Building standards associated with building components.



CO7: Sourcing materials.

CO8: Real cost values.

2. Reference Books

- Barry, R. Construction of Buildings, East West Press Pvt. Ltd, New Delhi, 1999
- McKay, W.B.; Building Construction (vol I,II,III & IV), Orient Longman, London, 1988
- Allen, Edwards., Fundamentals of Building Construction : Materials and Methods. John Wiley & Sons, New York, 1999
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	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	PO 10	PO 11	PO 12	PS O1	PS O2	PS O3	PS O4	PS O5	PS O6
CO1	M	M	L					M	M	L			L	L	H	M	H	M
CO2	H	M	M					M	M	M			M	H	M	L	M	L
CO3	M	M	M					L	M	M			M	M	M	H	M	M

Where H= High relationship (covers up to 75-95% of the desired outcome); M=Medium (covers up to 50 to 75%); L=Low (covers up to 10-50% of the desired outcome)



Course Title: Materials, Structure, Performance: primary materials**Term: I****Academic Year: 2023-24****Core/Elective: Core****Credits: 03****Course Code: 23MID-1P05****Course Designed by: Anand Mohan Bajpai****E-mail: anandbajpai@sushantuniversity.edu.in****Course Conducted by: Anand Mohan Bajpai****E-mail: anandbajpai@sushantuniversity.edu.in****Pre-requisites:****1. Course Outcomes:**

Upon successful completion of the course, the student should be able to

CO1: Understand basic principle of load and force.**CO2:** Understand relevant structural systems and their elements.**CO3:** Attain the knowledge of how relevant materials behave structurally and basic application of materials.**CO4:** Understand of the complete repertoire of materials, quality, use and fixing of each material.**CO5:** Components of a building and technical nomenclature associated with it.**CO6:** Building standards associated with building components.

CO7: Sourcing materials.

CO8: Real cost values.

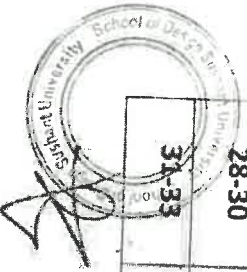
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- McKay, W.B. ;Building Construction (vol I,II,III & IV), Orient Longman, London, 1988
- Allen, Edwards,, Fundamentals of Building Construction : Materials and Methods. John Wiley & Sons, New York, 1999
- Punamia B.C. ; Building Construction , Laxmi Publication (P) Ltd, New Delhi, 1993
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3. Lecture Plan (Total Sessions -45)

Session No.	Session Topic / Sub-topic Description	Unit No.	Date		Methodology used (PPT, White Board, Audio/Video, Practical, Visit, Self-Study based)	Deans Remark with Date
			Planned on	Taken on		
1-3	Introduction to Construction Materials	I	03.08.2023	18.08.2023	Notes and lecture-based sessions	
4-6	Types of Construction Materials	I	03.08.2023	25.08.2023	Notes and lecture-based sessions	
7-9	Construction Methods and Techniques	I	03.08.2023	1.09.2023	Notes and lecture-based sessions	
10-12	Masonry, timber frame, steel frame, and reinforced concrete.	I	03.08.2023	08.09.2023	Notes and lecture-based sessions	
13-15	Case Studies and Modern Innovations	I	03.08.2023	15.09.2023	Field Visit	
16-18	Basic principles behind each method and their typical applications.	I	03.08.2023	22.09.2023	Notes and lecture-based sessions	
19-21	Introduction to construction drawings	II	03.08.2023	29.09.2023	Notes and lecture-based sessions	
22-24	Types of stairs	II	03.08.2023	06.10.2023	Notes and lecture-based sessions	
25-27	Foundation of a building	II	03.08.2023	13.10.2023	Notes and lecture-based sessions	
28-30	Foundation of a building (Mid Term Exam)	II	03.08.2023	20.10.2023	Notes and lecture-based sessions	
31-33	Structure of a building.	II	03.08.2023	27.10.2023	Notes and lecture-based sessions	



34-36	Structure of a building	II	03.08.2023	03.11.2023	Notes and lecture-based sessions	
37-39	Mid Semester Review	II	03.08.2023	10.11.2023	Notes and lecture-based sessions	✓
40-42	Mid Semester Review	II	03.08.2023	17.11.2023	Notes and lecture-based sessions	✓
43-45	Internal Submission	II	03.08.2023	24.11.2023	Notes and lecture-based sessions. <i>Submission discussed one on one</i>	✓

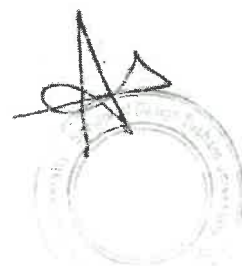


STUDENTS LIST (ODD SEM- 2023)

Program: M. DES (ID)

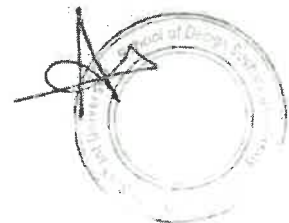
Semester: 1

S. No.	ENROLLMENT NO.	STUDENT NAME	PROGRAME
1	230MDES004	Freya Choudhary	M.DES (ID)
2	230MDES009	Riya Tiyaagi	M.DES (ID)
3	230MDES001	Ankit Kumar	M.DES (ID)
4	230MDES011	Shaunaq Suri	M.DES (ID)
5	230MDES012	Tanya Prasad	M.DES (ID)
6	230MDES006	Nitanshi Goel	M.DES (ID)
7	230MDES003	Chahat Gupta	M.DES (ID)
8	230MDES005	Nikita Bisht	M.DES (ID)
9	230MDES007	Poornima Tanwar	M.DES (ID)
10	230MDES010	Sarvesh Sharma	M.DES (ID)



Materials, Structure, Performance primary materials

Date :20-11-2017



CHAPTER-1 STONES

1.0 Introduction:

All the building structures are composed of different types of materials. These materials are either called building materials or materials of construction. It is very essential for a builder, may be an architecture or engineer or contractor, to become conversant thoroughly with these building materials.

The knowledge of different types of material, their properties and uses for different purposes provides an important tool in the hands of the builders in achieving economy in material cost. The material cost in a building range 30 to 50 percent cost of total cost construction. In addition to material economy, the correct use of material results in better structural strength, functional efficiency and esthetic appearance

1.1 Classification of Rocks:

Building stones are obtained from rocks occurring in nature and classified in three ways.

1. Geological classification
2. Physical classification
3. Chemical classification

I. Geological Classification:

According to this classification, the rocks are of the following types.

Building Materials & Construction

a. **Igneous rocks:** Rocks that are formed by cooling of Magana (molten or pasty rocky material) are known as igneous rocks.

Eg: Granite, Basalt and Dolerite etc.

b. **Sedimentary rocks:** these rocks are formed by the deposition of production of weathering on the pre-existing rocks.

Examples: gravel, sandstone, limestone, gypsum, lignite etc.

c. **Metamorphic rocks.** These rocks are formed by the change in character of the pre-existing rocks. Igneous as well as sedimentary rocks are changed in character when they are subject to great heat and pressure. Known as metamorphism.

Examples: Quartzite, Schist, Slate, Marble and Gneisses.

II. Physical Classification:

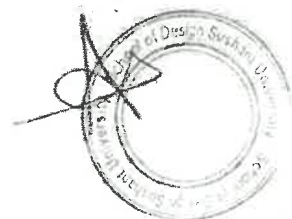
This classification based on general structure of rocks. According to this, the rocks are classified into three types

a. **Stratified Rocks:** These rocks possess planes of stratification or cleavage and such rocks can be easily split along these planes

Ex: sedimentary rocks

b. **A stratified rock:** The structure may be crystalline granular or compact granular.

Examples: Igneous rocks and Sedimentary rocks affected by movements of the earth.



c. **Foliated Rocks:** These rocks have a tendency to split up in a definite direction only. Ex: Metamorphic rocks.

III. Chemical Classification:

According to this classification rocks are classified into three types.

Stones

a. **Siliceous rocks:** In these rocks, silica is predominating. The rocks are hard; durable and not easily effected by weathering agencies. Ex: Granite, Quartzite, etc.

b. **Argillaceous Rocks:** In these rocks, clay predominates. The rocks may be dense and compact or may be soft.

Ex: slates, Laterites etc.

c. **Calcareous rocks:** In these rocks, calcium carbonate predominates. The durability to these rocks will depend upon the constituents present in surrounding atmosphere.

Ex: Lime Stone, marble etc.

1.2 Uses of stones:

1. **Structure:** Stones are used for foundations, walls, columns, lintels, arches, roofs, floors, damp proof course etc.

2. **Face works.** Stones are adopted to give massive appearance to the structure. Wall are of bricks and facing is done in stones of desired shades. This is known as composite masonry.

3. **Paving stones:** These are used to cover floor of building of various types such as residential, commercial, industrial etc. They are also adopted to form paving of roads, foot paths etc.

4. **Basic material:** Stones are disintegrated and converted to form a basic material for cement concrete, forum of roads, calcareous cements, artificial stones, hallow blocks etc. 5.

Misalliances: Stones are also used for

- (i) ballast for railways
- (ii) flux in blast furnace
- (iii) Blocks in the construction of bridges, piers, abutments, retaining walls, light houses, dams etc.

1.3 Qualities of a good building stone:

The following are the qualities or requirements of a good building stone.

1. **Crushing strength:** For a good building stone, the crushing strength should be greater than 1000kg per cm².

2. **Appearance:** Good building stone should be a uniform color, and free from clay holes, spots of other color bands etc. capable of preserving the color for longtime.

3. **Durability:** A good building stone should be durable. The factors like heat and cold alternative wet and dry, dissolved gases in rain, high wind velocity etc affect the durability.

4. **Fracture:** For good building stone its fracture should be sharp, even and clear.

5. **Hardness:** The hardness greater than 17, treated as hard used in road works. It is between 14 to 17, medium hardness, less 14 said be poor hardness.

6. **Percentage wear:** For a good building stone, the percentage wear should be equal to or less than 3 percent.



7. **Resistance to fire:** A good building stone be fire proof. Sandstone, Argillaceous stone resists fire quite well
8. **Specific gravity:** For a good building stone the specific gravity should be greater than 8.7 or so.
9. **Texture:** A good building stone should have compact fine crystalline structure should be free from cavities, cracks or patches of stuff or loose material.
10. **Water absorption:** For a good building stone, the percentage absorption by weight after 24 hours should not exceed 0.60.
11. **Seasoning:** Stones should be well seasoned before putting into use. A period of about 6 to 12 months is considered to be sufficient for proper seasoning.
12. **Toughness Index:** Impact test, the value of toughness less than 13 – Not tough, between 13 and 19 – Moderate, greater than 19- high

REQUIREMENTS OF GOOD BUILDING STONES

The following are the quality requirements of good building stones:

1. STRENGTH

Generally, most of the building stones have high strength to resist the load coming on it. Therefore, it is not of prime concern when it comes to check the quality of stones. But when the stones are to be used in large structures, it becomes necessary to check the compressive strength of stones.

Compressive strength of building stones generally falls within the range of 60 to 200N/mm².

2. DURABILITY

Building stones should be capable to resist the adverse effects of natural forces like wind, rain and heat. It must be durable and should not deteriorate due to the adverse effects of the above natural forces.

3. HARDNESS

When stones are used in floors, pavements or aprons of bridges, they become subjected to wearing and abrasive forces caused by movement of men or machine over them. So it is required to test hardness of stone.

Hardness of stone is determined by Mohs scale.

4. TOUGHNESS

Toughness of stones means its ability to resist impact forces. Building stones should be tough enough to sustain stresses developed due to vibrations. The vibrations may be due to the machinery mounted over them or due to the loads moving over them. The stone aggregates used in the road constructions should be tough.

5. SPECIFIC GRAVITY



The more the specific gravity of stone, the heavier and stronger the stone is.

Therefore, stones having higher specific gravity values should be used for the construction of dams, retaining walls, docks and harbors. The specific gravity of good building stone is between 2.4 and 2.8.

6. POROSITY AND ABSORPTION

Porosity of building stones depend upon the mineral constituent and structural formation of the parent rock. If stones used in building construction are porous then rain water can easily enter into the pore spaces and cause damage to the stones. Therefore, building stone should not be porous.

Water absorption of stone is directly proportional to the porosity of rock. If a stone is more porous then it will absorb more water and cause more damage to stone.

In higher altitudes, the freezing of water in pores takes place and it results into the disintegration of the stone.

Permissible limits of water absorption for some the commonly used building stones are as follow.

Type of Stone	Maximum limit of Water Absorption (%)
Sandstone	10
Limestone	10
Granite	1
Shale	10
Slate	1
Quartzite	3

7. DRESSING

Giving required shape to the stone is called dressing. It should be easy to dress so that the cost of dressing is reduced. However, the care should be taken so that, this is not be at the cost of the required strength and the durability.



8. APPEARANCE

In case of the stones to be used for face works, where appearance is a primary requirement, its colour and ability to receive polish is an important factor.

Light colored stones are more preferred than dark colored stones as the color are likely to fade out with time.

9. SEASONING

Good stones should be free from the quarry sap. Lateritic stones should not be used for 6 to 12 months after quarrying. They are allowed to get rid of quarry sap by the action of nature. This process of removing quarry sap is called seasoning.

10. WORKABILITY

Stone should be workable. Stone is said to be workable when the work involved in stone working (such as cutting, dressing & shaping) is economical and easy to conduct.

11. COST

Cost is an important consideration in selecting a building material. Proximity of the quarry to building site brings down the cost of transportation and hence the cost of stones comes down.

12. FIRE RESISTANCE

Stones should be free from calcium carbonate, oxides of iron, and minerals having different coefficients of thermal expansion. Igneous rock show marked disintegration principally because of quartz which disintegrates into small particles at a temperature of about 575°C. Limestone, however, can withstand a little higher temperature; i.e. up to 800°C after which they disintegrate.



Dt:22-06-2012

- **QUARRYING OF STONES:**

- Stones are extracted from natural rocks in different sizes. The various methods which are involved in the extraction of stones from rock beds are collectively termed as "Quarrying of Stones".

- Open part of the natural rock from which useful material is obtained is known as quarry.
- For this purpose particular rock is inspected (checked) for particular work and then quarrying operations are to be started.

- **Methods of quarrying:**

- It is depending upon the rock and purpose for which it is to be used.

- Commonly two methods are used for quarrying.

- (1) Quarrying by digging

- (2) Quarrying by blasting

- **(1) Quarrying by digging:**

- This is done by three methods.

- **(a) By driving steel wedges into fissures:**

- Fissures, cracks, planes of cleavages are all weak points in the rock and by taking the advantage of these weak points, steel wedges are driven in these natural fissures or cracks, so that rock splits easily.

- **(b) By drilling artificial line of holes:**

- Some times line of holes (in rows) is drilled with the help of chisel and hammer. Thus, the solidity of rock mass is divided into small portions and artificial fissures are made. Steel wedges are driven in these artificially made fissures. Then all the wedges are hammered simultaneously and consequently the rock cracks along the face of holes.

- **(c) By swelling hard wooden pegs:**

- Some times hard wooden pegs are driven in either natural or artificially made fissures and are kept soaked with water. And in this way rock is splitted.

- **(d) Quarrying by blasting:**

- When the rock is very hard and unfissured then quarrying is done by blasting. Blasting is the process of loosening the hard and closely packed material with the help of explosive materials. Various explosives which are used for blasting purposes are:



- Gun powder or black powder
- Dynamite
- Cordite Detonator
- Fuses

But mostly two explosives are used which are gun powder and dynamite. Where gun powder is the mixture of potassium nitrate, charcoal and sulphur and dynamite is the mixture of nitroglycerine.

There are four main operations are involved in blasting.

- Boring hole in the rock
- Charging with the explosives
- Tamping
- Firing.

- **DRESSING OF STONES:**

- Dressing of stones is a process in which their surfaces are prepared to a form, fit to be used for any constructional purpose. Dressing is according to the type of work and demand.

- **Purpose of Dressing:**

- To give them good looking.
- To provide horizontal and vertical joints in the masonry.
- To make them fit, to be used for particular construction.

Generally to give them neat/good appearance.

- **Methods of Dressing**

Rough dressing Fair dressing OR

- Dressing at quarry site: Dressing at construction site
- Scabbling Hammering Self faced, quarry faced Chisel Tooled Fluted
Pointed

- **(1) ROUGH DRESSING OR DRESSING AT QUARRY SITE:**

- There are three main methods of rough dressing, which are a sunder:
- (i) **Scabbling:**



- In scabbling only irregular angles are taken off with a scabbling hammer and therefore that dressing is called scabbling.
- **(ii) Hammer Dressing:**
 - In hammer dressing stones are roughly dressed at a site with the help of quarry hammer and therefore work is called hammer dressing.
- **(iii) Self faced, quarry faced (OR) Rock faced Dressing:**
 - In this type of dressing, stone are only splitted into either as face stones or as corner stones and nothing special is done.
- **(2) FAIR DRESSING OR DRESSING AT BUILDING SITE:**
 - There are four main methods of Fair dressing, which are a sunder:
 - **(i) Chiseled Dressing:**
 - About one inch width on all the four sides of the exposed surfaces of the stones is chiseled to give them a better appearance. This work is done with the help of chisel made of cast iron.

Dt:23/6/2017

INTRODUCTION TO BRICKS:

Bricks are obtained by moulding clay in rectangular blocks of uniform size and then by drying and burning these blocks. As bricks are of uniform size, they can be properly arranged, light in weight and hence bricks replace stones. Bricks are widely used in building construction because of their adequate strength, durability, availability and low cost. They can be made in desired shape and size.

Composition of good Brick Earth

Following are the constituents of good brick earth:

According to IS: 2117 – 1975, the clay for bricks should preferably conform to the following composition for good results:

1. Alumina or clay : 20 to 30% by weight
2. Silt : 20 to 35% by weight
3. Silica or Sand : 35 to 50% by weight
4. Other ingredients(Lime (CaO), Iron oxide(FeO), Magnesia Oxide(MgO), Manganese(Mn), Sodium, Potash, etc) : 1 to 2 % by weight

NOTE: • The total content of clay and silt shall not be less than 50% by weight.
• The total soluble minerals should not be more than 1% by weight.

Function of various ingredients of Brick Earth



Following are the constituents of good brick earth and their functions:

1. **Alumina:** It is the chief constituent of every kind of clay. A good brick earth should contain about 20% to 30% of alumina. This constituent imparts plasticity to the earth so that it can be moulded. If alumina is present in excess, with inadequate quantity of sand, the raw bricks shrink and warp on drying and become too hard when burnt.
2. **Silica:** It exists in clay either as free or combined. As free sand, it is mechanically mixed with clay and in combined form it exists in chemical composition with alumina. A good brick earth should contain about 50% to 60% of silica. **The presence of this constituent prevents cracking, shrinking and warping of raw bricks.** It thus imparts uniform shape to the bricks. The durability of bricks depends on the proper proportion of silica in brick earth. The excess of silica destroys the cohesion between particles and the bricks become brittle.
3. **Lime:** A small quantity of lime not exceeding 5 % is desirable in good brick earth. It should be present in a very finely powered state, otherwise it causes flaking on the bricks. The lime prevents shrinkage of raw bricks. The excess of lime causes the brick to melt and hence its shape is lost. The lumps of lime if present are converted into quick lime after burning and this quick lime slakes and expands in presence of moisture. Such an action results in splitting of bricks into pieces.
4. **Oxide of iron:** A small quantity of oxide of iron to the extent of about 5 to 6 percent is desirable in good brick earth. It helps as lime to fuse sand. It also imparts red color to the bricks. The excess of oxide of iron makes the bricks dark blue or blackish. If, on the other hand, the quantity of iron oxide is comparatively less, the bricks will be yellowish in color.
5. **Magnesia:** A small quantity of magnesia in brick earth imparts yellow tint to the bricks and decreases shrinkage. But excess of magnesia leads to the decay of bricks.

Harmful Ingredients: The ingredients like, lime, iron pyrites, alkalis, pebbles, organic matter should not present in good brick earth.

Requirements of good brick earth

A good brick earth should satisfy the following requirements:-

- a) It should have required proportion of clay, sand and other ingredients.
- b) It should be free from harmful ingredients like alkalies and Iron Pyrites, etc.
- c) It must be free from pebbles, lumps and other organic matter.
- d) It should not shrink, warp or crack excessively.
- e) It should become homogenous on thorough mixing.

Manufacture of Bricks

The manufacturing of brick involved the following operations:

1. Preparation of clay
2. Moulding
3. Drying &
4. Burning



Preparation of Clay The preparation of clay involves following operations:

- a) **Unsoiling** : Top layer of 20cm depth is removed as it contain impurities.
 - b) **Digging** : Clay dug out from ground is spread on level ground about 60cm to 120cm heaps.
 - c) **Cleaning**: Stones, pebbles, vegetable matter etc removed and converted into powder form.
 - d) **Weathering**: Clay is exposed to atmosphere from few weeks to full season.
 - e) **Blending**: Clay is made loose and any ingredient to be added is spread over the top by turning it up and down in vertical direction.
 - f) **Tempering**: Clay is brought to a proper degree of hardness, then water is added to clay and whole mass is kneaded or pressed under the feet of men or cattle. For large scale, tempering is usually done in a pug mill.
- Process**: - Clay with water is placed in pug mill from the top. When the vertical staff is rotated by electric power, steam or diesel or turned by pair of bullocks, Clay is thoroughly mixed up by the actions of horizontal arms and knives. When clay is sufficiently pugged, hole at the bottom of tub, is opened out and the pugged earth is taken out from ramp for the next operation of moulding.

Moulding

Clay, which is prepared from pug mill, is sent for the next operation of moulding.

Following are the two ways of moulding

d Moulding: Moulds are rectangular boxes of wood or steel, which are open at top and bottom. Steel moulds are more durable and used for manufacturing bricks on large scale Bricks prepared by hand moulding are of two types: a) Ground moulded bricks b) Table moulded bricks

The Manufacturing of bricks is consists of following processes:

1. Preparation of brick clay
2. Moulding of Bricks
3. Drying
4. Burning of bricks

First two operations are already discussed in the previous two parts of the article in the same blog. In this blog I am going to discuss with you the Drying and the Burning of the bricks:

• Drying Of Bricks:

Drying of the bricks at lower temperature is done to strengthen the bricks to have sufficient strength so that they do not crack or crumble while holding and carrying them in hand.



Finally bricks are to be stacked in the kiln, but they must possess the sufficient strength to maintain their shape while the transportation and loading operations, so drying of the bricks is important process. Drying of the bricks can be done in two ways:

(a) **Natural Drying:** Natural drying is done by putting the bricks in the under the air circulation, generally avoided to direct Sun-light.

(b) **Artificial Drying:** In artificial burning bricks are put under a temperature of about 120 degrees Celsius in a tunnel like structure where arrangements are there to maintain the temperature.

These tunnel kilns can be period or continuous. In periodic kilns the bricks are dried periodically, but in the continuous they are put continuously at one end and dried bricks are taken out at the other end.

- **Burning of Bricks:**

Bricks are burned at high temperature to gain the strength, durability, density and red color appearance.

All the water is removed at the temperature of 650 degrees but they are burnt at an temperature of about 1100 degrees because the fusing of sand and lime takes place at this temperature and chemical bonding takes between these materials after the temperature is cooled down resulting in the hard and dense mass.

Bricks are not burnt above this temperature because it will result in the melting of the bricks and will result in a distorted shape and a very hard mass when cooled which will not be workable while brickwork. Bricks can be burnt using the following methods:

- (a) Clamp Burning
- (b) Kiln Burning

- **Clamp Burning:**

Clamp is a temporary structure generally constructed over the ground with a height of about 4 to 6 m. It is employed when the demand of the bricks is lower scale and when it is not a monsoon season.

This is generally trapezoidal in plan whose shorter edge among the parallel sides is below the ground and then the surface raising constantly at about 15 degrees to reach the other parallel edge over the ground.



School of Design, Sushant University

Individual Assignment – Odd Sem 2023

Program: M.Des (ID)

Sem: I

Course Name: Material, structure, performance: primary materials

Course Code: 23MID-1P05

Faculty: Anand Mohan Bajpai

Maximum Marks: 10

Submission Deadline: 15 September, 2023

Course Outcomes

CO1: Understand the professional terms used in industry.

CO2: Understand the materials and the methods & techniques used in a building construction.

CO3: Understand and demonstrate the services required to make a building function smoothly on day-to-day basis.

Assignment: |

Student need to Understand the basic details and technique used during load & frame structure construction from foundation level to terrace level. (CO1, C02)

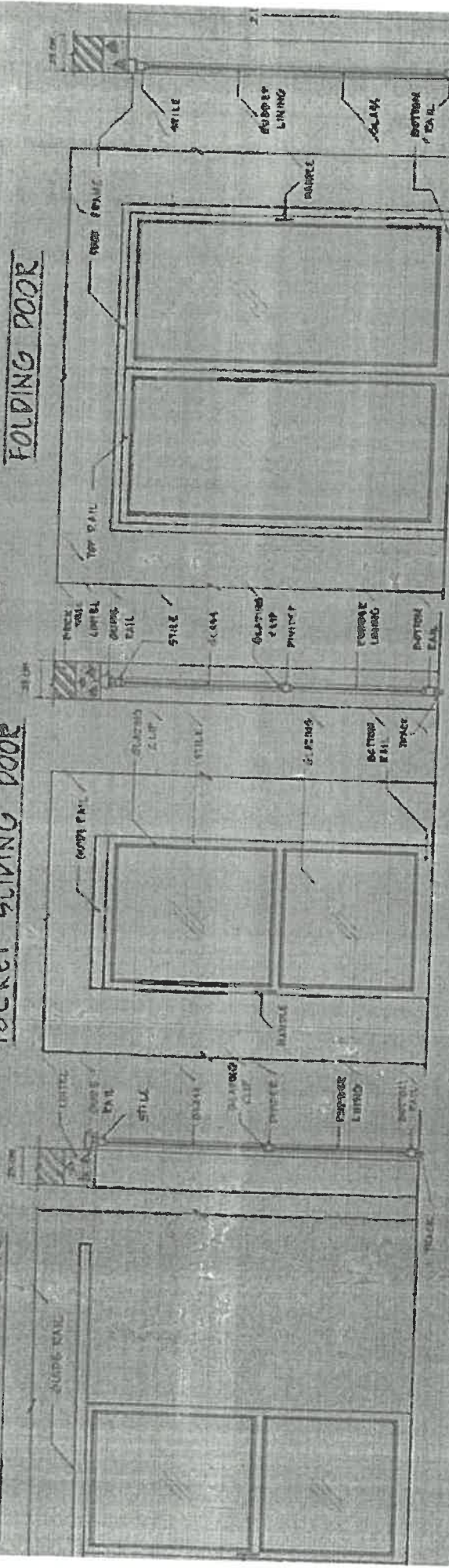
Submission Format – Student need to sketch & present these construction details on scale in grid book.



WALL SLIDING DOOR

POCKET SLIDING DOOR

FOLDING DOOR



ELEVATION

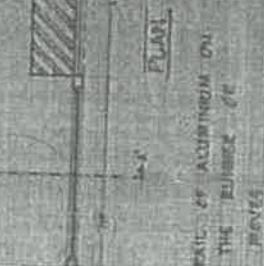
SECTION AA

ELEVATION

SECTION BB

ELEVATION

SECTION CC



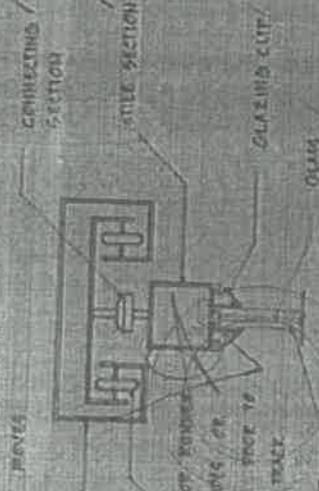
PLAN



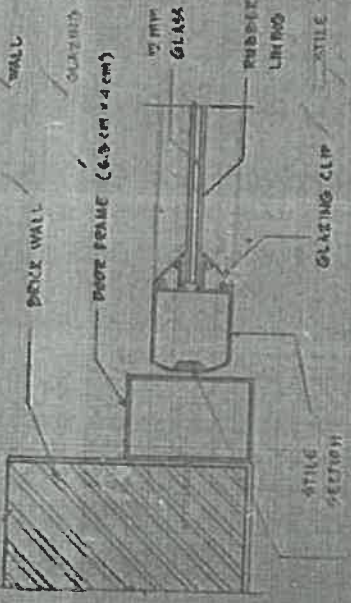
PLAN



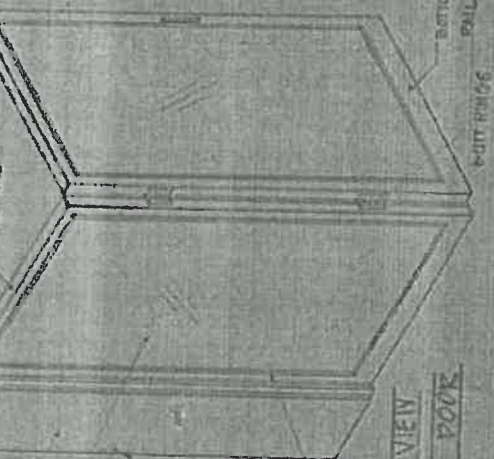
PLAN



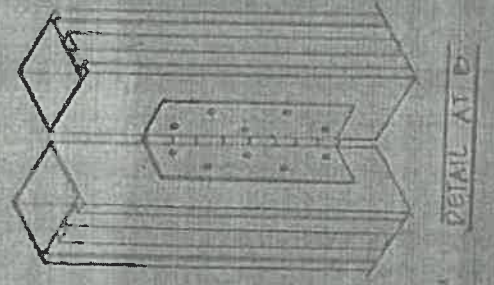
GUIDE RAIL DETAIL



DETAIL AT A



ISOMETRIC VIEW OF FOLDING DOOR



DETAIL AT D

SCALE 1:2

ANNEXURE-I

School of Design

Course Title:

Materials, Structure, Performance primary materials

Semester: 1

Course Code: 23MID-1P05

Course Faculty: Anand Mohan Bajpai

Programme: M.Des ID

Sir/Madam,

Following students mentioned in the list are identified as Slow learner based on guidelines issued by IQAC.

Assignment 1

S.No	Name of the student	Roll No
1	There is no slow learner in this subject.	

Anand Bajpai
Signature of Course Coordinator/Faculty

Anand Bajpai
Programme Coordinator

[Signature]
Dean



Annexure-IV

School of Design, SUSHANT UNIVERSITY

LIST OF ADVANCED LEARNERS

Program/Batch: M.Des ID

Course Code: 23MID-1P05

Course Title: Materials, Structure, Performance
primary materials

Semester: 1

Faculty Name: Anand Mohan Bajpai

S.no	Enrollment No.	Student name	Activities done to motivate ADVANCED learners
1	230MDES002	Anushka Bhal	New design exploration with different themes.

Faculty Signature: *Anand Bajpai*



School of Design, Sushant University

Midterm Individual Assignment – Odd Sem 2023

Program: M.Des (ID).

Course Name: Material, structure, performance: primary materials

Faculty: Anand Mohan Bajpai

Submission Deadline: 17-10-23

Sem: I

Course Code: 23MID-1P05

Maximum Marks: 20

Course Outcomes

CO1: Understand the professional terms used in industry.

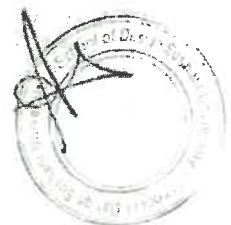
CO2: Understand the materials and the methods & techniques used in a building construction.

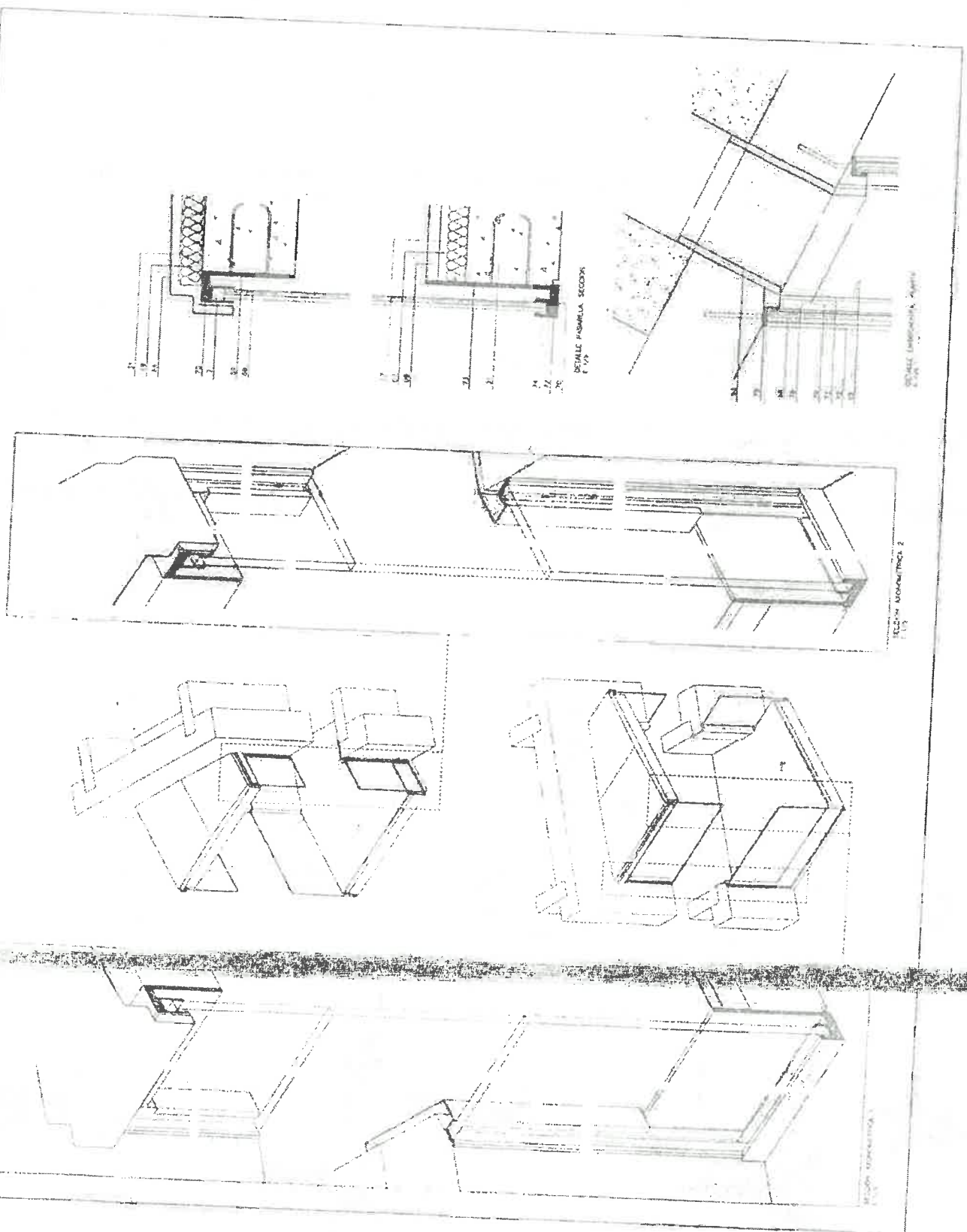
CO3: Understand and demonstrate the services required to make a building function smoothly on day-to-day basis.

Assignment:

Student need to Understand the door, window details, type of brick and wood used in construction & make a report and sketches of it. (CO3)

Submission Format – Student need to sketch & present all construction details on scale in grid book and prepare a ppt of type of woods and bricks in A4 size sheets.





ANNEXURE-I - MIDTERM

School of Design.

<School Name>

Course Title: MATERIAL, STRUCTURE,
PERFORMANCE: PRIMARY MATERIAL.

Semester: L

Course Code: 23 MID-POS

Course Faculty: Anand Mohan.

Programme: M. DES (ID)

Sir/Madam,

Following students mentioned in the list are identified as Slow learner/Advanced learner based on guidelines issued by IQAC.

S.No	Name of the student	Roll No
	There is no slow learner in This subject.	

Anand Mohan.
Signature of Course Coordinator/Faculty

Anand Mohan
Programme Coordinator


Dean



23.10.2023 10:30, 10.2023

SCHOOL OF DESIGN, SUSHANT UNIVERSITY
ATTENDANCE SHEET - Slow Learners
REMEDIAL CLASSES SCHEDULED FOR SLOW LEARNERS

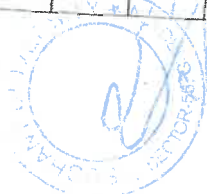
Sushant

Program/Batch: **M.DES CID)**
 Course Code: **23 MID-IPUS**
 Course Title: **MATERIAL, STRUCTURE & FORM**

Semester: **I**
 Faculty Name: **Pranand Mohan Bajaj**
 Date: **11.12.23**
MATERIAL

S.no	Enrollment No.	Student name	Date:	Student Signature	Date:	Student Signature	Date:	Student Signature	Date:	Student Signature	Remarks (Outcome)
1											THIS IS NO Slow Learner In this Subject -
2											
3											
4											
5											
6											
7											
8											
9											
10											

Faculty Signature: 



SCHOOL OF DESIGN, SUSHANT UNIVERSITY

Sushant

LIST OF ADVANCED LEARNERS
MIDTERM

Program/Batch: M-DES(1D)

Semester: I

Course Code: Materials, Structure,

Faculty Name: Anand Mohan Bijpai

Course Title: Performance: Primary material.
23MID-1P05

S.no	Enrollment No.	Student name	Activities done to motivate ADVANCED learners
1	230MDES001	Ankit Kumar	Study Material given to student. One to One session given to student -
	230MDES002	Amushka	
3			
4			
5			
6			
7			
8			
9			
10			

Faculty Signature: Anand Mohan.



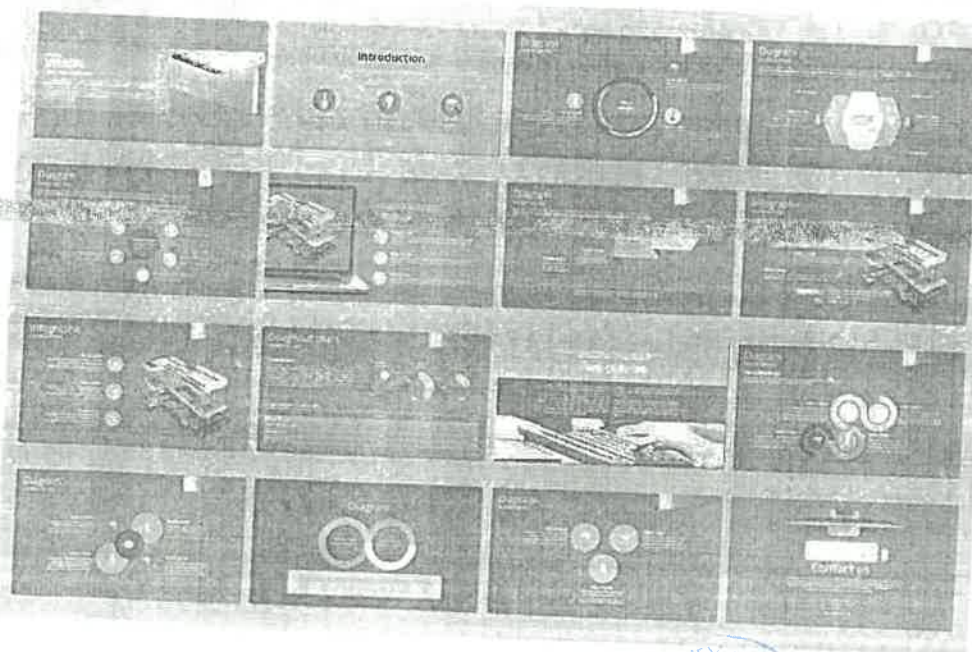
NOTES & PPT SHARED WITH ADVANCE LEARNER STUDENTS

powerpoint presentation

Advanced Interior



Interior design
Finding you in every detail



Annexure IV

SCHOOL OF DESIGN

Course Title: Materials, Structure, Performance primary materials
Semester: 1

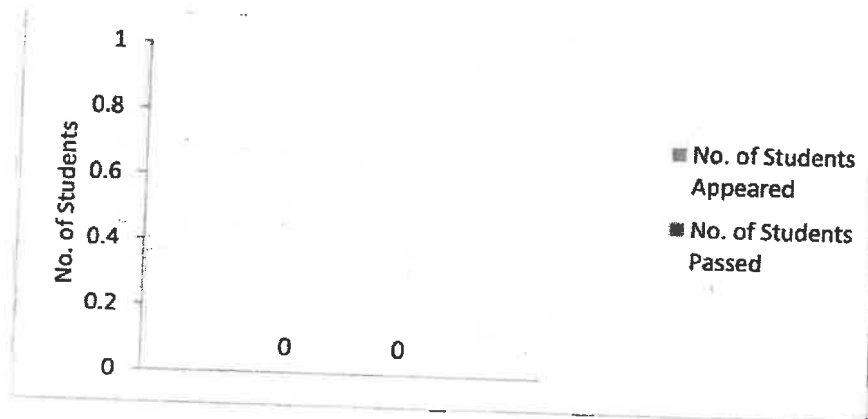
Course Code: 23MID-1P05

Course Faculty: Anand Mohan Bajpai

Programme: M.Des (ID)

RESULT ANALYSIS

Sr. No.	Name of the Student	Marks Obtained
There is no slow learner in this subject		



A. A. Biji
Signature of Course Coordinator/Faculty

A. A. Biji
Programme Coordinator

K. Anand
Dean



SUNY UNIVERSITY, SECTOR - 55, GURUGRAM
End Semester Examination: Regular (December, 2023)
M.Des (ID), Semester-1

Sub Code	23MDS-IP01	23MDS-IP03	23MDS-IP01	23MID-IP01	23MID-IP02	23MID-IP03	23MID-IP04	23MID-IP05	23SPN-IP01	23FRN-IP01	23MEL-IP01	23MEL-IP02	23MEL-IP03	23MEL-IP07	
Subject Name	Seminar: Fundamentals of Design	Communication Skills	Studio I (Primer + 1 Major Project)	Studio II (Spatial Analysis & Representation Principles of Design & Representation)	Building Systems: Light & Water	Critical and Historic Studies: Historic Interiors	Materials: Structure, Performance, History, Materials	Spanish	French	Introduction of Digital Tools	Role of Textiles in Interior Aesthetics	Construction Project Management	Public Private Partnership in Planning		
														3	2
ber	Name	SGPA	Exam Name	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade
001	Ankit Kumar	8.267	EP	83	A	87	A+	87	A+	83	A	83	A	82	A
			External	41		39		43		41		41		39	
			Internal	42		48		44		42		42		35	
003	Chahat Gupta	8.300	EP	79	A	83	A	83	A	83	A	83	A	82	A
			External	36		39		41		41		41		42	
			Internal	40		44		42		42		42		30	
004	Ireya Choudhury	8.533	EP	85	A+	85	A+	78	A	78	A	78	A	75	A
			External	42		40		43		41		41		43	
			Internal	43		45		42		37		37		31	S
005	Nikhita Bisht	7.667	EP	79	A	83	A	81	A	80	A	80	A	72	B+
			External	40		40		43		40		40		40	
			Internal	39		43		38		40		40		32	
006	Nitanshi goel	7.967	EP	81	A	83	A	78	A	84	A	84	A	71	B+
			External	39		39		40		40		40		39	
			Internal	42		44		38		44		44		32	
007	poornima tanwar	7.800	EP	84	A	87	A+	79	A	73	B+	73	B+	70	B+
			External	40		44		41		40		40		40	
			Internal	44		43		38		33		33		30	
009	Riya Tyagi														
			Result Withheld												
010	Sarvesh Sharma														
			Result Withheld												
011	SHAUNAQ SURI	7.967	EP	84	A	88	A+	80	A	76	A	76	A	72	B+
			External	42		42		42		41		41		39	
			Internal	42		46		38		35		35		12	S
012															
			Result Withheld												

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Result Withheld

Result Withheld

Result Withheld

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LEGEND:
 EXTERNAL
 INTERNAL



SUSHANT UNIVERSITY

School of Design

Assignment (Odd Semester 2023-24)

Program: M.DES (ID)

Semester : 1

Assignment Date: 16.10.23

Course Code: 23MID-1P05 Course Name: Materials, Structure, Performance: primary materials Faculty Name: ANAND

S. No.	Enrolment No.	Student Name	Batch No	Q1 (Marks)	Attainment	Total Marks (20)
				CO1	CO1 (Marks)	
1	230MDES004	Freya Choudhary	2023-2025	14	14	14
2	230MDES009	Riya Tiyaagi	2023-2025	12	12	12
3	230MDES001	Ankit Kumar	2023-2025	16	16	16
4	230MDES011	Shaunaq Suri	2023-2025	12	12	12
5	230MDES012	Tanya Prasad	2023-2025	14	14	14
6	230MDES006	Nitanshi Goel	2023-2025	14	14	14
7	230MDES003	Chahat Gupta	2023-2025	14	14	14
8	230MDES005	Nikita Bisht	2023-2025	14	14	14
9	230MDES007	Poonima Tanwar	2023-2025	12	12	12
10	230MDES010	Sarvesh Sharma	2023-2025	12	12	12
11						
Total Students					10	
Average					13.4	13.40
Total Students Appeared In Assignment 1 (N)						10
Number of students scored average% and above marks (P)					6	
CO attainment (P/N)*100					60.00%	

Average Marks	Max Marks	Min. Marks	Std Deviation	Less than 40%
13	16	12	1.35	0.00%

Students Marks	0-5	6-10	
Assignment	0	0	

Assessment	Attainment Levels	
Assignment	Level1	Less than 50% students scoring more than average% marks.
	Level2	50% to less than 60% students scoring more than average % marks.
	Level3	more than 60% students scoring more than average % marks in internal assessment tools

CO Attainment Level

COs	Attainment Level
CO1	3



SUSHANT UNIVERSITY

School of Design

Assignment (Odd Semester 2023-24)

Program: M.DES (ID)

Semester : 1

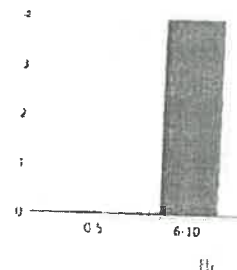
Assignment Date: 16.10.23

Course Code: 23MID-IP05 Course Name: Materials, Structure, Performance: primary materials Faculty Name: ANAND

S. No.	Enrolment No.	Student Name	Batch No	Q2 (Marks)	Attainment	Total Marks (15)
				CO2	CO2 (Marks)	
1	230MDES004	Freya Choudhary	2023-2025	12	12	12
2	230MDES009	Riya Tiyaagi	2023-2025	9	9	9
3	230MDES001	Ankit Kumar	2023-2025	12	12	12
4	230MDES011	Shaunag Suri	2023-2025	12	12	12
5	230MDES012	Tanya Prasad	2023-2025	10.5	10.5	10.5
6	230MDES006	Nitanshi Goel	2023-2025	12	12	12
7	230MDES003	Chahat Gupta	2023-2025	13.5	13.5	13.5
8	230MDES005	Nikita Bisht	2023-2025	9	9	9
9	230MDES007	Poonima Tanwar	2023-2025	9	9	9
10	230MDES010	Sarvesh Sharma	2023-2025	9	9	9
11						
Total Students				10		
Average				10.8		10.80
Total Students Appeared In Assignment 1 (N)						10
Number of students scored average% and above marks (P)				6		
CO attainment (P/N)*100				60.00%		

Average Marks	Max Marks	Min. Marks	Std Deviation	Less than 40%
11	14	9	1.70	0.00%

Students Marks	0-5	6-10	
Assignment	0	4	



Assessment	Attainment Levels	
Assignment	Level1	Less than 50% students scoring more than average% marks.
	Level2	50% to less than 60% students scoring more than average % marks.
	Level3	more than 60% students scoring more than average % marks in internal assessment tools

CO Attainment Level	
COs	Attainment Level
CO2	3



SUSHANT UNIVERSITY

School of Design

Mid-Term Examination (Odd Semester 2023-24)

Program: M.DES (ID)

Course Code: 23MID-1P05

Semester : 1

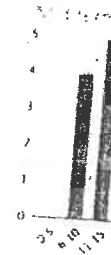
Course Name: Materials, Structure, Performance: primary materials

S. No.	Enrolment No.	Student Name	Batch No	Q4(4Marks)	Attainment	Total Marks
				CO3	CO3 (Marks)	(15)
1	230MDES004	Freye Choudhary	2023-2025	12	12	12
2	230MDES009	Riya Tiyaqi	2023-2025	9	9	9
3	230MDES001	Ankil Kumar	2023-2025	12	12	12
4	230MDES011	Shaunaq Suri	2023-2025	12	12	12
5	230MDES012	Tariya Prasad	2023-2025	10.5	10.5	10.5
6	230MDES006	Nitanshi Goel	2023-2025	12	12	12
7	230MDES003	Chahat Gupta	2023-2025	13.5	13.5	13.5
8	230MDES005	Nikita Bisht	2023-2025	9	9	9
9	230MDES007	Poornima Tanwar	2023-2025	9	9	9
10	230MDES010	Sarvesh Sharma	2023-2025	9	9	9
11				9	9	9
Total Students				10		
Average				10.8		10.80
Total Students Appeared In Mid-term (N)						10
Number of students scored average% and above marks (P)				6		
CO attainment (P/N)*100				60.00%		

Average Marks	Max Marks	Min. Marks	Std Deviation	Less than 40%
11	14	9	1.62	0.00%

Students Marks	0-5	6-10	11-15
Mid-term	0	4	5

Assessmt	Attainment Levels	
Mid-term	Level1	Less than 50% students scoring more than average% marks.
	Level2	50% to less than 60% students scoring more than average % marks.
	Level3	more than 60% students scoring more than average % marks in internal assessment tools



CO Attainment Level	
COs	Attainment Level
CO3	3



SUSHANT UNIVERSITY

School of Design

Group Project Presentation (Odd Semester 2023-24)

Program: MDES (ID)
Course Code: 23MID-IP05

Semester : 1

Course Name: Materials, Structure, Performance: primary materials

Presentation Date: 16.10.23

Faculty Name ANAND

S. No.	Enrolment No.	Student Name	Batch No	Q1(5Marks)	Q2(5Marks)	Q3(5Marks)	Attainment		Total Marks (15)
1	230MDES004	Freya Choudhary	2023-2025	CO3	CO3	CO4	CO3 (10Marks)	CO4 (5Marks)	
2	230MDES009	Riya Tiwari	2023-2025						
3	230MDES001	Ankit Kumar	2023-2025						
4	230MDES011	Shaunag Suri	2023-2025						
5	230MDES012	Tanya Prasad	2023-2025						
6	230MDES006	Nilanshi Goel	2023-2025						
7	230MDES003	Chahat Gupta	2023-2025						
8	230MDES005	Nikita Bisht	2023-2025						
9	230MDES007	Poonima Tanwar	2023-2025						
10	230MDES010	Sarvesh Sharma	2023-2025						
11									
Total Students				Average			#DIV/0!	#DIV/0!	#DIV/0!
Total Students Appeared in Group Project/ Presentation (N)				Number of students scored average% and above marks (P)			0	0	10
CO attainment (P/N)*100							0.00%	0.00%	

Average Marks	Max Marks	Min Marks	Std Deviation	Less than 30%
#DIV/0!	0	0	#DIV/0!	0.00%

Students	0-5	6-10	11-15
Project Presen	0	0	0

Assessment	Attainment Levels	
Group Project Presentation	Level1	Less than 50% students scoring more than average% marks.
	Level2	50% to less than 60% students scoring more than average % marks.
	Level3	more than 60% students scoring more than average % marks in internal assessment tools

CO Attainment Level	
COs	Attainment Level
CO3	
CO4	



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SUSHANT UNIVERSITY

School of Design

End-Term Examination (Odd Semester 2023-24)

Semester : 1

Course Name: Materials, Structure, Performance: primary materials

Program: MDES (HD)
Course Code: 23MH12-1P05

S. No.	Enrolment No.	Student Name	Batch No	1(10Marks)	2(20Marks)	3(20Marks)	Attainment			Total Marks (50)
				CO1	CO2	CO3	CO 1(Marks)	CO2 (Marks)	CO3 (Marks)	
1	230MDES004	Freya Choudhary	2023-2025	10	17	16	10	17	16	43
2	230MDES009	Riya Tiwari	2023-2025	7	16	16	7	16	16	39
3	230MDES001	Ankit Kumar	2023-2025	10	17	16	10	17	16	43
4	230MDES011	Shaunag Suri	2023-2025	9	16	16	9	16	16	41
5	230MDES012	Tanya Prasad	2023-2025	8	16	16	8	16	16	40
6	230MDES006	Nitanshi Goel	2023-2025	9	16	16	9	16	16	41
7	230MDES003	Chahal Gupta	2023-2025	9	16	16	9	16	16	41
8	230MDES005	Nikita Bisht	2023-2025	8	16	16	8	16	16	40
9	230MDES007	Poomima Tanwar	2023-2025	7	16	16	7	16	16	39
10	230MDES010	Sarvesh Sharma	2023-2025	7	16	16	7	16	16	39
Average				8.4	16.4	16.2	Total Students			10
Number of students scored average% and above marks (P)				5	7	9	Students Appeared In Assignment 1 (N)			10
CO attainment (P/N)*100				50.00%	70.00%	90.00%				

Average Marks	Max Marks	Min Marks	Std Deviation	Less than 40%	More than 90%
41	45	39	1.95	0.00%	0.0%

Students Marks	0-20	21-40	41-60
End term	0	5	5

Assessme	Attainment Levels	
End term	Level1	Less than 50% students scoring more than average% marks.
	Level2	50% to less than 60% students scoring more than average % marks
	Level3	more than 60% students scoring more than average % marks in internal assessment tools



CO Attainment Level	
COs	Attainment Level
CO1	2
CO2	3
CO3	3



Signature

SUSHANT UNIVERSITY
School of Design
Result Analysis (Odd Semester 2023-24)

Program: M.DES (ID)

Sem: 1

Course Name: Materials, Structure, Performance: primary mat

Course Code: 23MID-1P05

Faculty Name: ANAND

Date of Analysis: 16.10.23

Consolidated CO Attainment (Internal)

Mid term 15 : Assignment/Presentation 25

COs	Assessment Tools			Total
	Mid-Term	Assignment	Assignment 2	
CO1		3		0.75
CO2			3	0.75
CO3	3			0.45

Consolidated CO Attainment (Internal+External)

Internal 40 : External 60

COs	(Mid Assignment/Presentation)	End Term (ESE)	Total
CO1	0.75	2	1.5
CO2	0.75	3	2.1
CO3	0.45	3	1.98



School of Design, Sushant University, Gurugram
Academic Year - Odd 2023-24

Course Exit Survey

Program: M.DES (ID)

Course Name: Materials, Structure, Performance: primary materials

Faculty Name: ANAND

Sem: I

Course Code: 23MID-1P05

Date of Survey: 16.10.23

Student Full Name	CO1		CO2		CO3	
	Course Exit survey parameter1	Attainment of CO1	Course Exit survey parameter2	Attainment of CO2	Course Exit survey parameter3	Attainment of CO3
Freya Choudhary	Excellent	20	Excellent	20	Excellent	20
Riya Tiwari	Fair	8	Fair	8	Fair	8
Ankit Kumar	Excellent	20	Excellent	20	Excellent	20
Shaunak Suri	Good	12	Good	12	Good	12
Tanya Prasad	Very Good	16	Very Good	16	Very Good	16
Nitanshi Goel	Excellent	20	Excellent	20	Excellent	20
Chahal Gupta	Excellent	20	Excellent	20	Excellent	20
Nikita Bisht	Very Good	16	Very Good	16	Very Good	16
Poornima Tanwar	Very Good	16	Very Good	16	Very Good	16
Sarvesh Sharma	Good	12	Good	12	Good	12
Average		16		16		16
No of students - Avg		7		7		7
Total students		10		10		10
Attainment Level (%)		70.00%		70.00%		70.00%
Attainment Level		Level 3		Level 3		Level 3

Excellent : 20
 Very Good : 16
 Good : 12
 Fair : 8
 Poor : 4

Assessment Methods	Attainment Levels	
Assessment	Level1	Less than 50% students scoring more than
	Level2	50% to less than 60% students scoring more than
	Level3	more than 60% students scoring more than



Signature

SUSHANT UNIVERSITY

School of Design

CO Attainment (Odd Semester 2023-24)

Program: M.DES (ID)

Sem: 1

Course Name: Materials, Structure, Performance: primary materi Course Code: 23MID-1P05

Faculty Name: ANAND

Date of Analysis: 16.10.23

COs	Direct (80%)	Indirect (20%)	Total (100%)
CO1	1.5	3	1.8
CO2	2.1	3	2.28
CO3	1.98	3	2.184



SUSHANT UNIVERSITY

School of Design

CO-PO-PSO Mapping (Odd Semester 2023-24)

Program: MDES (III)

Course Name

Materials, Structure, Performance: primary materials

Faculty Name

ANAND

Sem: I

Course Code: 23MID-1P04

Date of Analysis: 22.12.23

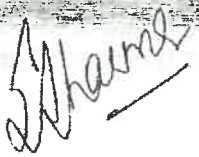
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	3	2	3	1	2		2	1	2						3	1	
CO2	3	3	2	2	1	1	1	1	3	3	1		1					2
CO3	2	1	3	2	3	1		1	3	3		2		3	2		1	

High relationship among (CO-PO)
Medium relationship among (CO-PO)
Low relationship among (CO-PO)

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	5.52	5.52	3.68	5.52	1.84	3.68	0	3.68	3.68	3.68	0	0	0	0	0	7.272	2.424	0
CO2	5.832	5.832	3.888	3.888	1.944	1.944	1.944	5.832	5.832	1.944	0	5.832	0	0	0	0	0	3.888
CO3	4.752	2.376	7.128	4.752	7.128	1.376	0	2.376	7.128	7.128	0	4.752	0	7.128	4.752	0	7.128	0
Average	2.61	1.96	2.10	2.62	2.18	2.00	1.04	2.00	2.08	2.08	1.04	1.38	1.94	1.38	2.36	2.42	2.39	1.94



SUSHANT UNIVERSITY
ACADEMIC CALENDAR 2023-24

ODD SEMESTER	
Orientation	01-11 Aug 2023
Start of ODD Semester	
3rd, 5th, 7th and 9th Semester	7-Aug-23
1st Semester	14-Aug-23
Fresher's Day	29-Sep-23
Mid Semester Evaluation (MSE)	
3rd, 5th, 7th and 9th Semester (Faculty to submit all marks to the Dean by-)	11-Oct-23
1st Semester (Faculty to submit all marks to the Dean by-)	2-Nov-23
Diwali Break	10 Nov to 13 Nov 2023
Convocation	Between 20 Nov to 24 Nov 2023
Last Teaching Day of the Semester	1-Dec-23
End Semester Examination (ESE)	04 Dec to 22Dec 2023
Winter Break (For Students Only)	23 Dec 2023 to 7 Jan 2024
EVEN SEMESTER	
Start of EVEN Semester	8-Jan-24
Sports Meet and Annual Function	15 Feb to 17 Feb 2024
Mid Semester Evaluation (MSE) (Faculty to submit all marks to the Dean by-)	14-Mar-24
Last Teaching Day of the Semester	3-May-24
End Semester Examination (ESE)	06 May to 24 May 2024
Summer Break (For Students Only)	25 May 2024 onwards
Please note: For 2023 admitted students, classes may be held on Saturdays as well in the first Semester	
Submitted for your kind approval.	
 Pro-Vice Chancellor & Registrar 	



Course Activity Sheet
(Planning and Review)

Academic Year... 2023-24
 Programme... B.Des 1A
 Semester... IV
 Course Name... 1A Spatial Design Studio II
 Course Code... 21B1A-4P05
 School... School of Design
 Faculty... Anwar Dhangra

Planning Checklist

S. No	Activity	Status Yes/No
1	Is the syllabus copy maintained and submitted by the faculty member?	
2	Is lecture plan signed and updated by the faculty member?	Yes
3	Is Time Table made available?	Yes
4	Number of Assignments planned	3
5	Number of quiz planned	-
6	Digital Learning LX (Review) Is it updated with following (suggestive) : Syllabus Reference material Quiz/Assignment	✓
7	Is mapping of students available on ERP along with the timetable?	Yes
8	Suggest atleast one innovative way for better engagement of students in this course Interesting sites plan engage students in better way.	

Anwar
22/02/24
 (Signature of Faculty Member with Date)

(Signature of Dean with Date)



Mid-Semester Review

S.No	Activity	Status
1.	Is the attendance updated on ERP?	Yes/No
2.	Percentage of students who are not meeting the attendance criteria of 75%	95%
3.	Pass percentage in Internal Assessment so far	86%
4.	Identification and motivation advanced learners (Advanced learner sheet attached)	Yes
5.	Identification and remedial classes for slow learners (Slow learner sheet attached)	Yes

Dean's Review and recommendations

Plan field visits & industry experts.
More hand holding required for slow learners.

Suman
16/03/24
(Signature of Faculty Member with Date)

Manu
(Signature of Dean with Date)



End-Semester Review

S.No	Activity	Status
1.	Is the attendance updated on ERP?	Yes/No
2.	Percentage of students who are not meeting the attendance criteria of 75%	10/
3.	Pass percentage	85/
4.	Summary of CO attainment CO1 - 2.2 CO2 - 2.23 CO3 - 2.15 CO4 - 2.13 CO5 - 1.70	
5.	Student Feedback Case studies and references shared added a lot to content.	
6.	Exit Feedback by faculty member for improvement in future Students gained experience on making rendered/presentation drawings. Some did great in sheet composition	

Dean's Review

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Amal
22/05/24

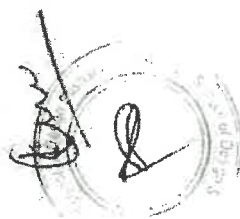
(Signature of Faculty Member with Date)



Amal

(Signature of Dean with Date)

Simar Dhingra, AU0688

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IA Spatial Design Studio II

Course Code: 21BIA-4P05

Credits: 06

Course Objective

The objective of this course is to introduce students to the process of spatial design through looking at functions and concepts related to the small and large Residential spaces. Students gain an understanding of how basic functions of each space, relate to one another and how to develop ideas around these functions. The course uses spaces as sites and focuses students in working in large 3-dimensional forms. Students move through the course of increasingly complex design projects culminating in application of the skills and knowledge learnt.

Course Outcomes

By the end of the course, the student will:

- CO1: Understanding of relevant functions and their relationship to one another.
- CO2: Understanding and application of relating function to form.
- CO3: Application of materials and lighting to create specific treatments and environments.
- CO4: Understanding the relationship between private and public.
- CO5: Ability to contextualize design concepts with relevant historic periods, styles, trends or works.

Course Contents

- Module 1:** Concept of human-space relationship
- Module 2:** Anthropometrics, circulation and scale
- Module 3:** Observing and documenting movement, space, function & enclosure
- Module 4:** Introduction to residential interiors, space planning, zoning, concepts
- Module 5:** Introduction to client profiles and mood boards
- Module 6:** Design Development

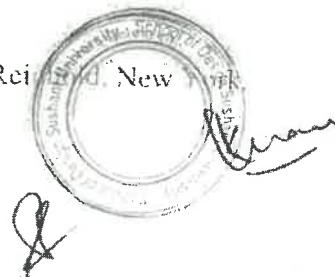
Pedagogy

The subject entails teaching through group and one on one interactions to capture the essence of movement, circulation, scale and their outcome as architectural concepts. In the spirit of providing appropriate tools and encouraging critical thinking in the students, most of the database for reference material shall be online (videos, documentaries, etc.)

Students will use various methods of learning and expressing themselves including photography, drawing, painting, model-making, sculpture, mapping, debating, structure, film making, carpentry, performance, lighting and writing. The projects will include single cell entities with defined, related, multifunctional, personal, transient or fixed functions with defined structure or enclosure.

Reference Books:

1. Karlen Mark, (1992), Space planning Basics, Van Nostrand Reinhold, New York



2. Joseph D Chiara, Julius Panero, & Martin Zelnick, (2001), Time Saver standards for Interior Design & space planning, 2nd edition, Mc-Graw Hill professional.
3. Francis.D. Ching & Corky Bingelli, (2004), Interior Design Illustrated, 2nd edition, Wiley publishers.
4. Julius Panero & Martin Zelnick, (1979), Human Dimension & Interior Space: A source book of Design Reference standards, Watson -Guptill.
5. Maureen Mitton, (2003), Interior Design Visual Presentation: A Guide to Graphics, Models, and Presentation Techniques. John Wiley and Sons.
6. Mark.W. Lin, (1993), Drawing and Designing with Confidence: A step-bystep guide, Wiley and Sons.
7. Robert Rengel, (2002), Shaping Interior Space, Fairchild Books & Visuals, 2002
8. Neufert Ernest, (2000), Architect's Data, Granada pub. Ltd. London, 2000.
9. Maryrose McGowan & Kelsey Kruse, (2004), Interior Graphic Standards, Wiley and sons.
10. Mary Jo Peterson, (1998), Universal Kitchen and Bathroom Planning: Design That Adapts to People, McGraw-Hill Professional Publishing.
11. David Kent Ballast, (2007), Interior Construction & Detailing for Designers and Architects, Professional Publications, Inc.; Fourth Edition.

Course Assessment Components

This course is of 100 marks and will have the following assessment components. Final Grades will be based on the relative performance of a student in the class

Mid Semester Examination	Quiz(s)/ Presentation (s)	Assignment(s)	Total Internal Component	End Semester Examination
15	15	10	40	60

Course Outcomes to Program Outcomes and Program Specific Outcomes Mapping Matrix

POs (Program Outcomes)- At the end of the program the students will be able to:

PO-1	Knowledge & Expertise of Design field
PO-2	Research
PO-3	Information and digital literacy
PO-4	Problem Solving
PO-5	Communication and presentation skills
PO-6	Behavioral skills, Teamwork and leadership
PO-7	Globalization
PO-8	Ethical, Social and professional understanding
PO-9	Employability, Entrepreneurship
PO-10	Lifelong learning



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PO-11	Organizational behavior
PO-12	Finance and marketing

PSOs (Program Specific Outcomes)

PSO-1	Developing a professional mind set by a well-designed pedagogical structure. Inculcating critical thinking and teamwork as basic graduate attributes with adherence to the moral and ethical code of conduct to perform equally well in the areas of employability and entrepreneurship.
PSO-2	Gaining updated knowledge and understanding regarding contemporary developments, smart materials, cutting edge technology, state of the art advancements, etc. in the field of interior and construction to develop an intuitive and innovate approach and contribution towards the field of design.
PSO-3	Approaching problem solving attributes through a strong research background. Attaining adequate scholarly knowledge by exposing students for referring to editorials, volumes, papers, journals, and authentic e-platforms. Encouraging prospective graduates for higher degree of research, studies, explorations and develop novel prototypes and products.
PSO-4	Imbibing a sense of appreciation towards different history, culture, tradition, craftsmen, artists alike and developing collaborative approach to protect and prosper the identity and authenticity of design community.
PSO-5	Inculcating the habits of constructive criticism, self-evaluation and lifelong learning through cross-collaboration, design studio culture, hands-on working. Acknowledging the betterment of the society by working for the needy and the under privileged through the Social drives and programmes.
PSO-6	Imbibing a sense of appreciation towards different history, culture, tradition, craftsmen, artists alike and developing collaborative approach to protect and prosper the identity and authenticity of design community.

Relationship between the Course Outcomes (COs) and Program Outcomes (POs) / Program Specific Outcomes (PSOs)

Matrix 1- Mapping of COs with POs and PSOs

(COs)	Program Outcomes (POs)												Program Specific Outcomes (PSOs)					
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	H	M	M	H	M	M	M	L	H	M	M	M	M					
CO2	H	M	M	H	M	L	L	L	H	M	M	M				M		
CO3	H	M	M	H	M	M	M	L	H	M	M	M		H		M		
CO4	L	M	H	H	M	M	M	M	L	M	M	M		H			L	H
CO5	H	M	M	H	M	L	L	L	H	M	M	M			L			

Where H= High relationship (covers up to 75-95% of the desired outcome); M=Medium (covers up to 50 to 75%); L=Low (covers up to 10-50% of the desired outcome)



Annexure – 1

Sushant		School of Design	
Course Title: IA Spatial Design Studio II		COURSE OUTLINE	
Term: I	Academic Year: 2023-2024	Course Code: 21BIA- 4P05	
Course Designed by: Mareena Thomas		Core/Elective: CORE	Credits: 6
E-mail: mareenathomas@sushantuniversity.edu.in		Course Taken by: Simar Dhingra	
Pre-requisites: Design Critical Thinking, Creative and Software skills		E-mail: simarpreetdhingra@sushantuniversity.edu.in	

1. **Course Outcomes:** Upon successful completion of the course, the student should be able to

- CO1: Understanding of relevant functions and their relationship to one another.
- CO2: Understanding and application of relating function to form.
- CO3: Application of materials and lighting to create specific treatments and environments.
- CO4: Understanding the relationship between private and public.
- CO5: Ability to contextualize design concepts with relevant historic periods, styles, trends or works.

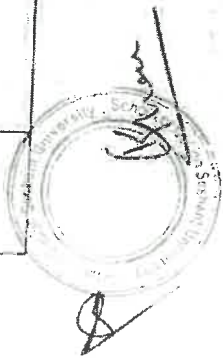


2. Reference Books

1. Karlen Mark, (1992), Space planning Basics, Van Nostrand Reinhold, New York.
2. Joseph D Chiara, Julius Panero, & Martin Zelnick, (2001); Time Saver standards for Interior Design & space planning, 2nd edition, McGraw Hill professional.
3. Francis.D. Ching & Corky Bingelli, (2004), Interior Design Illustrated, 2nd edition, Wiley publishers.
4. Julius Panero & Martin Zelnick, (1979), Human Dimension & Interior Space: A source book of Design Reference standards, Watson – Gupatil.
5. Maureen Mitton, (2003), Interior Design Visual Presentation: A Guide to Graphics, Models, and Presentation Techniques. John Wiley and Sons.
6. Mark.W. Lin, (1993), Drawing and Designing with Confidence: A step-bystep guide, Wiley and Sons.
7. Robert Rengel, (2002), Shaping Interior Space, Fairchild Books & Visuals, 2002
8. Neufert Ernest, (2000), Architect's Data, Granada pub. Ltd. London, 2000.
9. Maryrose McGowan & Kelsey Kruse, (2004), Interior Graphic Standards, Wiley and sons.
10. Mary Jo Peterson, (1998), Universal Kitchen and Bathroom Planning: Design That Adapts to People, McGraw-Hill Professional Publishing.
11. David Kent Ballast, (2007), Interior Construction & Detailing for Designers and Architects, Professional Publications, Inc.; Fourth Edition.

3 Lecture Plan (Total hours – 90 Hours)

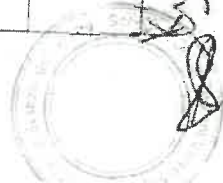
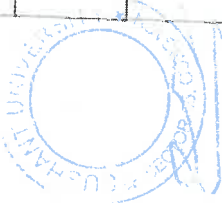
Lectures hour	Topics to be covered	UNIT No.	Date		Deans Remarks with Date
			Planned on	Taken on	
1.	Introduction to Studio	UNIT-I	02.01.2024	28/1/24	Methodology used (PPT, White Board, Audio/Video, Practical, Visit, Self Study based) Class Task: Discussion on Residential Buildings and spaces



2.	Building up on the Studio	UNIT-I	02.01.2024	11/1/24	Class Task: Time Problem to be done in class	✓
3.	Building up on the Studio	UNIT-I	02.01.2024	15/1/24	Individual / Group Presentation and discussion	✓
4.	Understanding of Concepts	UNIT-I	02.01.2024	18/1/24	Visits to sites for case study	✓
5.	Understanding of Concepts	UNIT-II	02.01.2024	22/1/24	Individual / Group Presentation and discussion along with analysis	✓
6.	Introduction to main studio project	UNIT-II	02.01.2024	25/1/24	Open Discussion	✓
7.	Assessment		02.01.2024	29/1/24	Location on the concepts for project	✓
8.	Assessment		02.01.2024	1/2/24	Individual Presentation and discussion	✓
9.	Site Selection and Analysis	UNIT-II	02.01.2024	5/2/24	Individual Presentation and discussion	✓
10.	Site Selection and Analysis	UNIT-II	18.07.2023	8/2/24	Class Task: Site Documentation, Analysis and Presentation	✓
11.	Mid Term Exam		02.01.2024	12/2/24	Holiday	✓
12.	Mid Term Exam		02.01.2024	15/2/24	Individual / Group Presentation and discussion	✓
13.	Design Framework	UNIT - II	02.01.2024	19/2/24	Individual / Group Presentation and discussion Class Task: Detailed discussion on Design strategies w.r.t. the proposal	✓



14.	Design Framework	UNIT - III	02.01.2024	22/2/24	Class Task: Detailed discussion on Design strategies w.r.t. the proposal	✓
15.	Design Framework & Strategy	UNIT - III	02.01.2024	26/2/24	Class Task: Mapping of the researched data, through flow charts, sketches, photographs	✓
16.	Design Framework & Strategy	UNIT - III	02.01.2024	29/2/24	Class Task: Working on project brief(client-brief, zoning, bubble diagram, area analysis etc.)	✓
17.	Design Development	UNIT - IV	02.01.2024	4/3/24	Class Task: Working on project brief(client-brief, zoning, bubble diagram, area analysis etc.)	✓
18.	Design Development	UNIT - IV	02.01.2024	7/3/24	Class Task: Ideation and discussion of drawings (layout plans, sections and elevations)	✓
19.	Design Development	UNIT - IV	02.01.2024	11/3/24	Class Task: Ideation and discussion of drawings (layout plans, sections and elevations)	✓
20.	Design Development	UNIT - IV	02.01.2024	14/3/24	Class Task: Ideation and discussion of drawings (layout plans, sections and elevations)	✓
21.	Assessment		02.01.2024	18/3/24	Individual / Group Presentation and discussion	✓
22.	Assessment		02.01.2024	21/3/24	Individual / Group Presentation and discussion	✓
23.	Design Detailing	UNIT - V	02.01.2024	28/3/24	Class Task: Ideation and discussion of design boards (materials and techniques)	✓

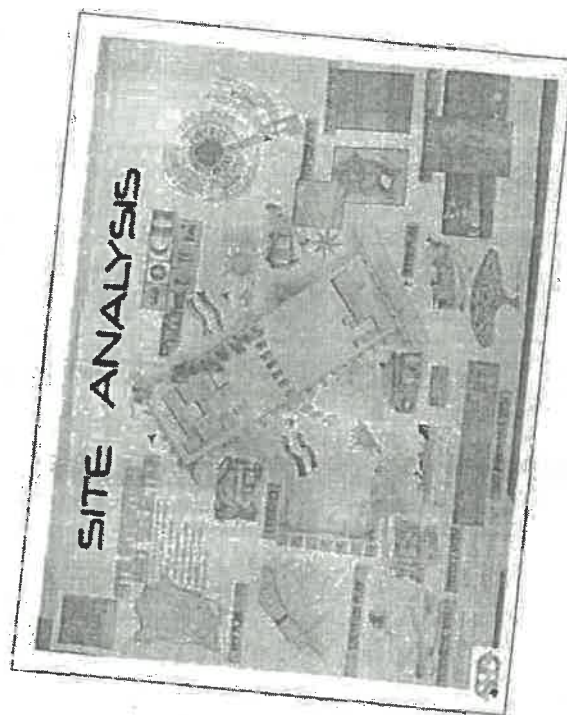
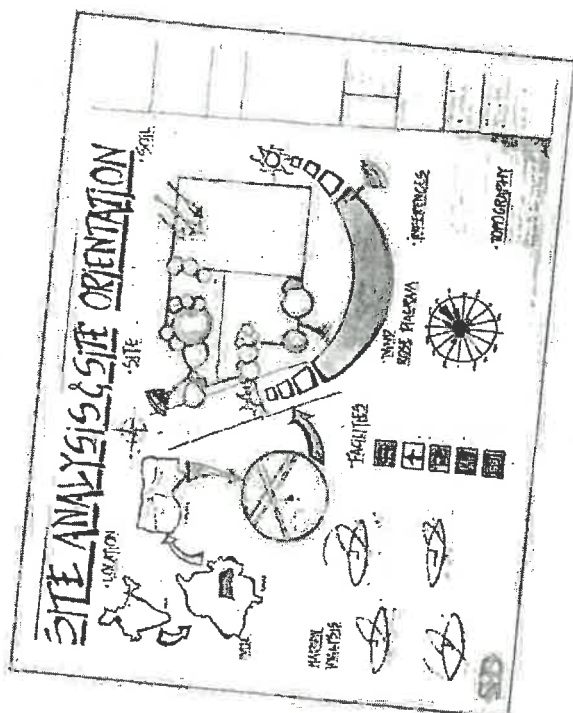
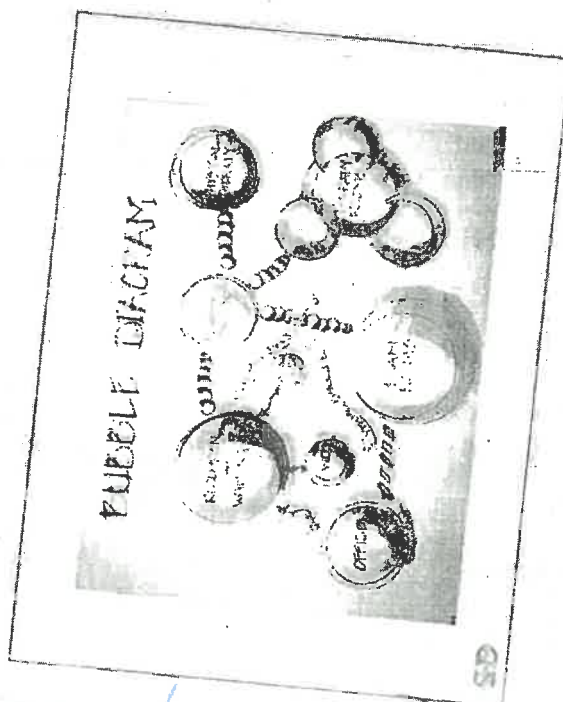
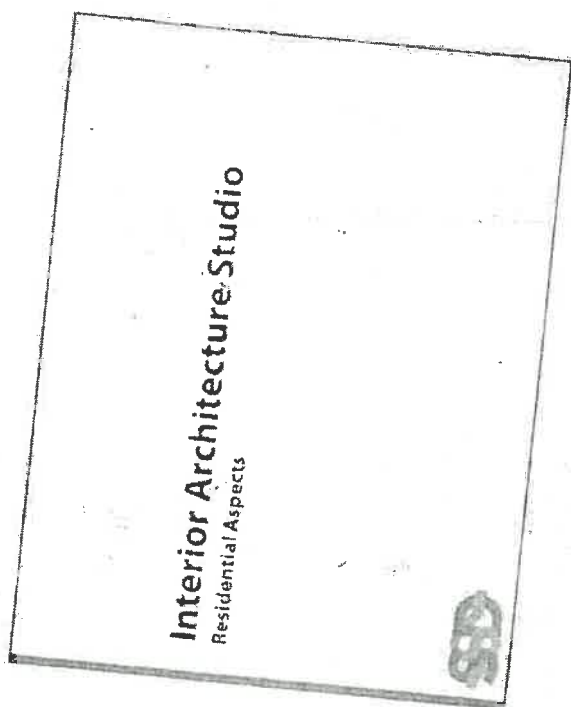


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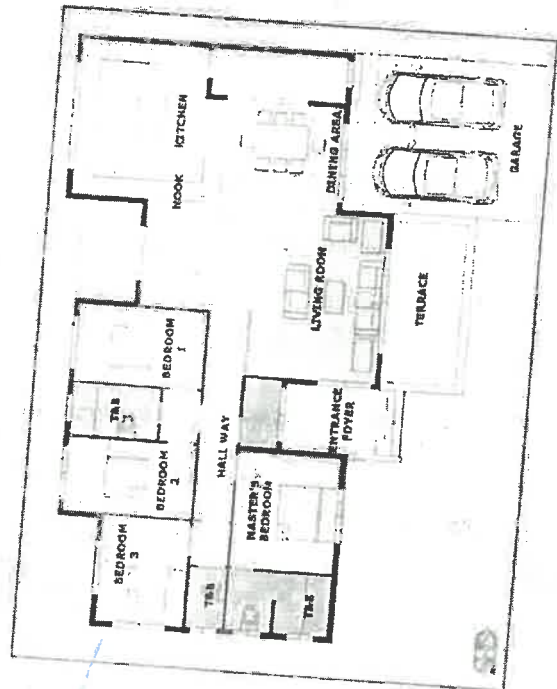
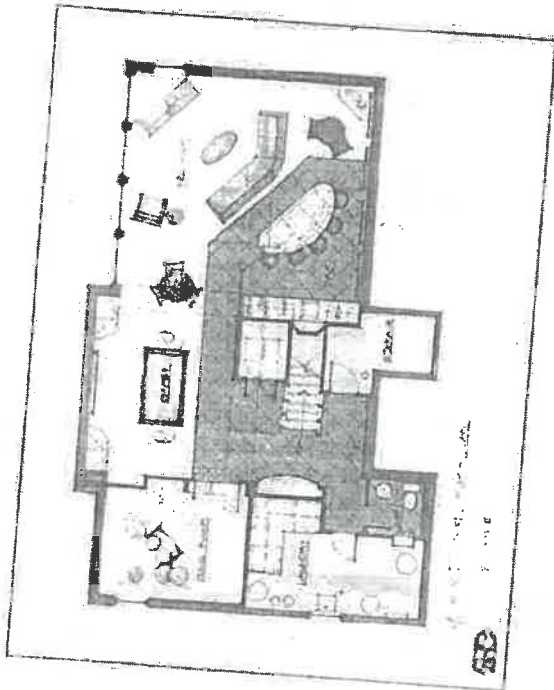
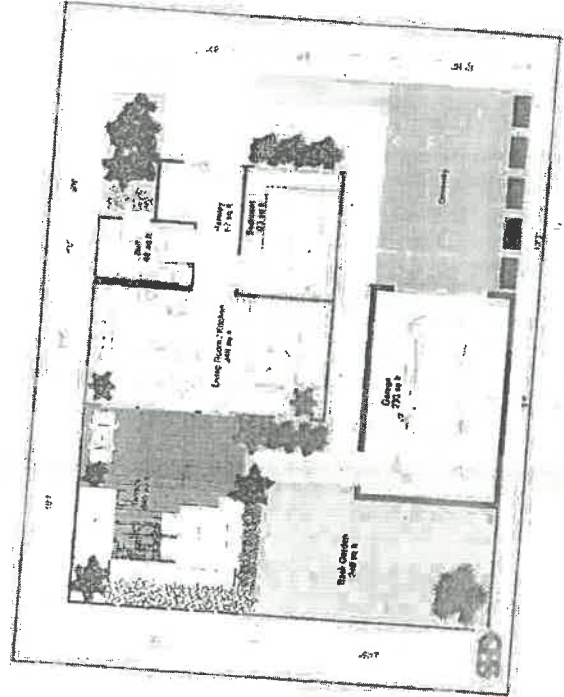
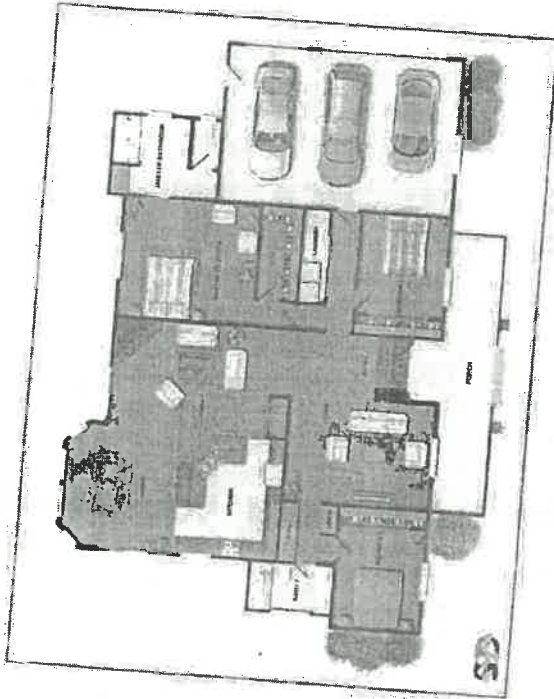
	BDes IA	
	Batch: 2022-26	
S.No.	Roll No.	Student Name
1	220BDES004	Aanchal Tandon
2	220BDES041	Aashma Dahal
3	220BDES039	Abir
4	220BDES020	Anish pahuja
5	220BDES028	Anushka sharma
6	220BDES023	Aryan Madaria
7	220BDES008	Gurnoor Malhotra
8	220BDES012	Hitika Goyal
9	220BDES035	Jia Sharma
10	220BDES037	Mallika Kohli
11	220BDES032	Mrinalini Gupta
12	220BDES017	Nitish Sharma
13	220BDES006	Pari Tyagi
14	220BDES007	Raamya Singh
15	220BDES038	Ruhun Thakur
16	220BDES040	Sachin Kumar
17	220BDES036	Sanskriti Srivastava
18	220BDES010	Sanya Panjiyara
19	220BDES003	Tanisha Galhotra
20		Yash Mishra
21	231BDES002	Aashi Jain
22	231BDES001	Ishba Baig



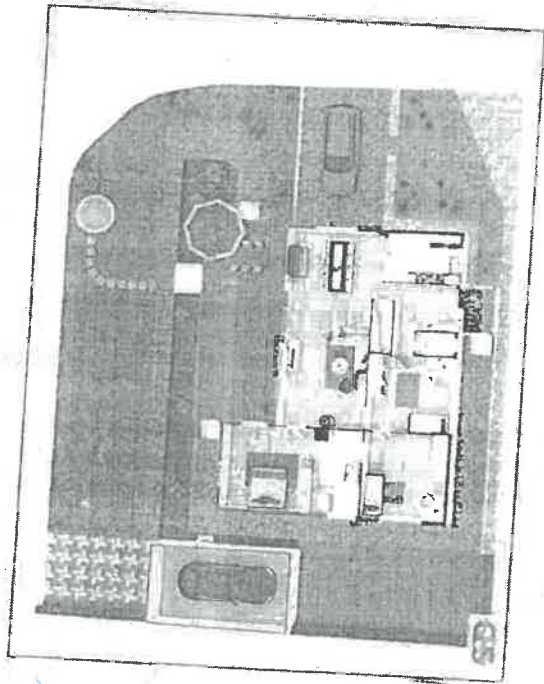
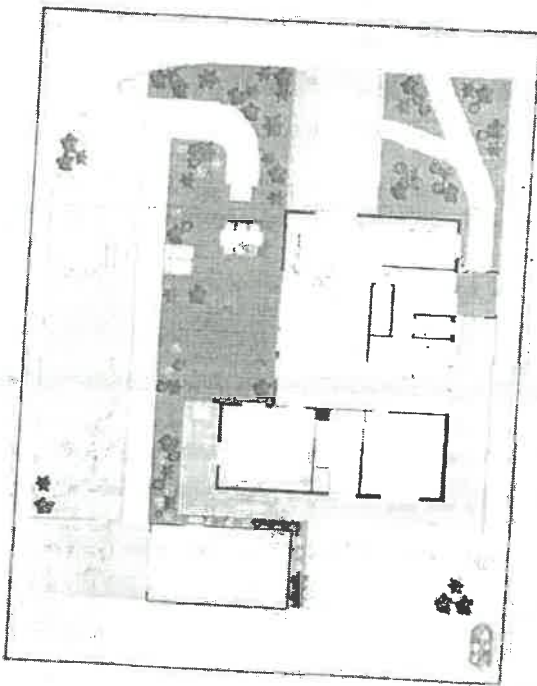
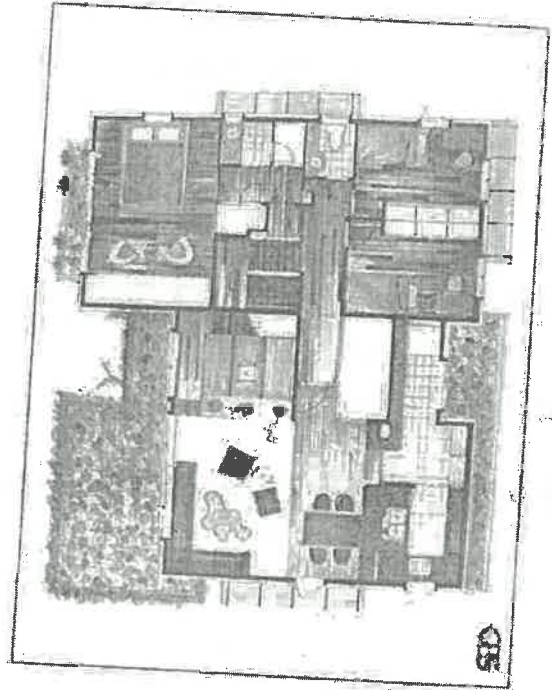
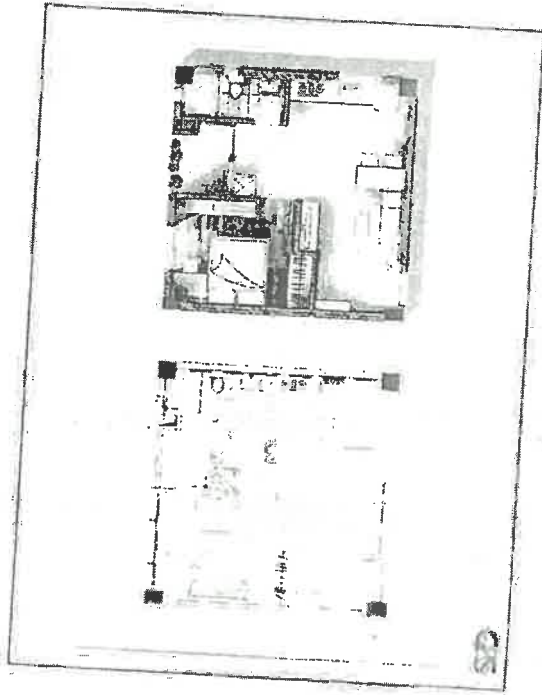
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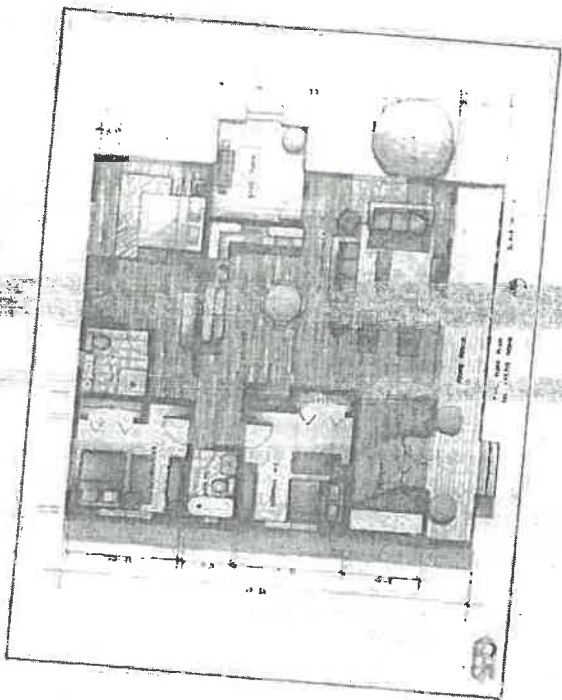
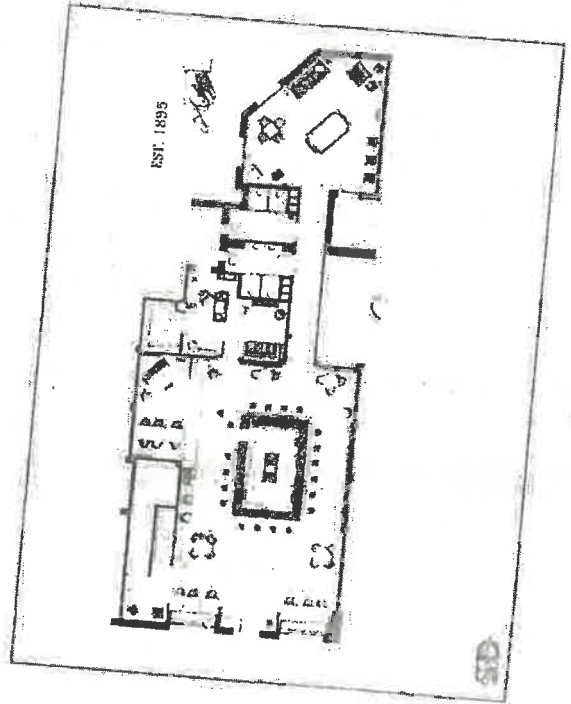
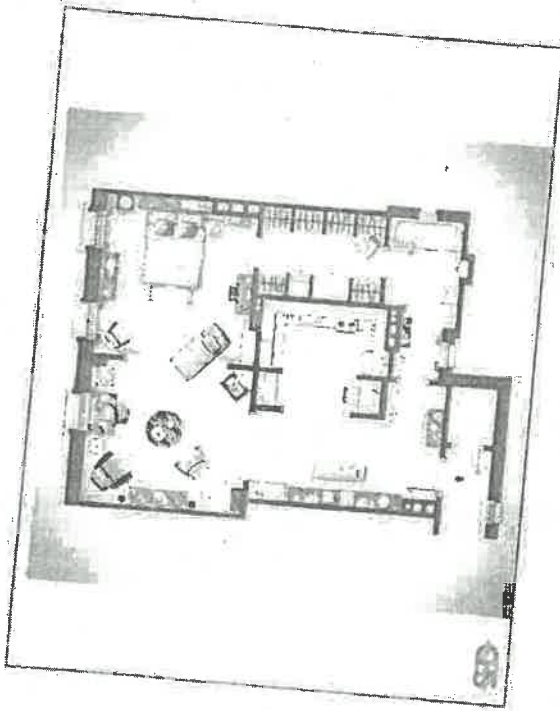
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30-01-2024



30-01-2024



School of Design, Sushant University

Group Project – Even Sem 2024

Program: B.Des

Course Name: IA Spatial Design Studio II

Faculty: Simar Dhingra

Submission Deadline: 22.01.2024

Sem: 4

Course Code: 21BIA- 4P05

Maximum Marks: 10

Course Outcomes

- CO1: Understanding of relevant functions and their relationship to one another.
- CO2: Understanding and application of relating function to form.
- CO3: Application of materials and lighting to create specific treatments and environments.
- CO4: Understanding the relationship between private and public.
- CO5: Ability to contextualize design concepts with relevant historic periods, styles, trends or works.

Group Project Topic: Research

1. CO1: Understanding of relevant functions and their relationship to one another.
2. CO2: Understanding and application of relating function to form.
3. CO4: Understanding the relationship between private and public.

Group Project Guidelines:

In groups of 4:

- Students need to study the over case studies and literature understanding 2 relevant standards of residential design.
- Understanding and Analyzing the anthropometry and ergonomics inside a given space.
- Study and analyze an existing residential space with respect to the spaces chosen in terms of parameters discussed in class

Students need to compose A2 Size sheets for the above-mentioned assessment.



ANNEXURE-I

School of Design, Sushant University

Course Title: IA Spatial Design Studio II

Course Code: 21BIA-4P05
Dhingra

Semester: 4

Course Faculty: Simar

Programme: B.Des IA

Sir/Madam,

Following students mentioned in the list are identified as Slow learner/Advanced learner based on guidelines issued by IQAC after first assessment (assignment/quiz).

S.N o	Name of the student	Roll No	Slow learner/Advanced learner
1	Aryan Madaria	220BDES023	Slow learner
2	Jia Sharma	220BDES035	Advanced learner
3	Mallika Kohli	220BDES037	Advanced learner
4	Mrinalini Gupta	220BDES032	Advanced learner
5	Pari Tyagi	220BDES006	Advanced learner
6	Raamya Singh	220BDES007	Advanced learner
7	Aashi Jain	231BDES002	Advanced learner
8	Ishba Baig	231BDES001	Slow learner
9	Sachin Kumar	220BDES040	Slow learner

Signature of Course Coordinator/Faculty

Programme Coordinator

Dean



School of Design, Sushant University

**Individual Assignment 2- Even Sem 2024
(Mid-Term)**

Program: B.Des

Course Name: IA Spatial Design Studio II

Faculty: Simar Dhingra

Submission Deadline: 04.03.2024

Sem: 4

Course Code: 21BIA- 4P05

Maximum Marks: 10

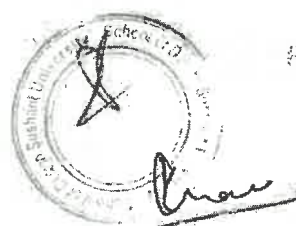
Course Outcomes

- CO1: Understanding of relevant functions and their relationship to one another.
- CO2: Understanding and application of relating function to form.
- CO3: Application of materials and lighting to create specific treatments and environments.
- CO4: Understanding the relationship between private and public.
- CO5: Ability to contextualize design concepts with relevant historic periods, styles, trends or works.

Assignment: 1

Q.1 (CO1, CO4 & CO5) Students needs to develop the following on behalf of the residential design chosen by them:

- Concept - Identifying the design objective, design problem, the design goal and the development of the mind map and the prospective design concept.
- Individual design explorations - the mind map, exploration of spatiality, the inclusion of design programming, the detailed concept, design brief along with supporting layout options



School of Design, Sushant University

Individual Assignment 3- Even Sem 2024

Program: B.Des

Course Name: ID Spatial Design Studio II

Faculty: Simar Dhingra

Submission Deadline: 22.04.2024

Sem: 4

Course Code: 21BIA- 5P05

Maximum Marks: 10

Course Outcomes

- CO1: Understanding of relevant functions and their relationship to one another.
- CO2: Understanding and application of relating function to form.
- CO3: Application of materials and lighting to create specific treatments and environments.
- CO4: Understanding the relationship between private and public.
- CO5: Ability to contextualize design concepts with relevant historic periods, styles, trends or works.

Assignment: 2

Q.1 (CO2 & CO3) Students needs to develop the following on behalf of the commercial design chosen by them in continuation to Assignment 1:

- Design Development - Identifying the colour palettes, materiality, interior details, design communication and focus along with the overall atmospherics and spatiality.
- Design Detail.- Finalization of the design solution and experientiality, the layouts for interior services, furniture detail, signage and branding along with fittings and fixtures.



ANNEXURE-II

School of Design, Sushant University

Course Title: IA Spatial Design Studio II

Course Code: 21BIA-4P05
Dhingra

Programme: B.Des IA

Semester: 4

Course Faculty: Simar

Sir/Madam,

Following students mentioned in the list are identified as Slow learner based on guidelines issued by IQAC after second assessment (declaration of Mid-term marks).

S.No	Name of the student	Roll No
1	Aryan Madaria	220BDES023
2	Ishba Baig	231BDES001
3	Sachin Kumar	220BDES040

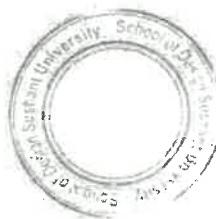
Signature of Course Coordinator/Faculty

Simar

Y. Prasad

Programme Coordinator

B. Prasad
Dean



B.A. Interior Architecture | Timetable for Remedial Classes | Even Semester 2024
Dates: 18th to 22nd March 2024

Semester 4

Dates: 18th to 22nd March 2024

		9:10 AM - 10:00 AM	10:05 AM - 10:55 AM	11:00 AM - 11:50 AM	11:55 AM - 12:45 PM	12:45 PM - 1:25 PM	1:25 PM - 2:15 PM	2:20 PM - 3:10 PM	3:15 PM - 4:05 PM	4:10 PM - 5:00 PM
		21BIA-4P05	21BIA-4P01	21BIA-4P01	21BIA-4P05	21BIA-4P05	21DEL-4P15	21BIA-4P06	21DEL-4P14/21DEL-4P15	21BIA-4P02
Monday	IA Spatial Design Studio II	Simar Dhingra; AU0688	Form, Structure & Materials II	Building Systems II	Historical Styles II		Elective 1 - Prototyping I	Social Media Marketing	Elective 2 - Human Factors & Experience II/ Design Practice Fundamentals/ Introduction to Digital media	Drawing & Representation II - IA
	Practical	Mohd. Anees; AU0357	Practical	Simar Dhingra; AU0688	Mareena Thomas; AU0624		Apurva Gupta; SU1020	Mannat Abrol; SU0919	Tajinder Kaur Anand/ Mannat Abrol/ Sachin Datt	Apurva Gupta; SU1020
	21BIA-4P05	21BIA-4P01	21BIA-4P01	21BIA-4P03	21BIA-4P04		21DEL-4P15	21BIA-4P06	21DEL-4P14/21DEL-4P15	21BIA-4P02
	IA Spatial Design Studio II	Simar Dhingra; AU0688	Form, Structure & Materials II	Building Systems II	Historical Styles II		Elective 1 - Prototyping I	Social Media Marketing	Elective 2 - Human Factors & Experience II/ Design Practice Fundamentals/ Introduction to Digital media	Drawing & Representation II - IA
Tuesday	Practical	Mohd. Anees; AU0357	Practical	Simar Dhingra; AU0688	Mareena Thomas; AU0624		Apurva Gupta; SU1020	Mannat Abrol; SU0919	Tajinder Kaur Anand/ Mannat Abrol/ Sachin Datt	Apurva Gupta; SU1020
	21BIA-4P05	21BIA-4P01	21BIA-4P01	21BIA-4P03	21BIA-4P04		21DEL-4P15	21BIA-4P06	21DEL-4P14/21DEL-4P15	21BIA-4P02
	IA Spatial Design Studio II	Simar Dhingra; AU0688	Form, Structure & Materials II	Building Systems II	Historical Styles II		Elective 1 - Prototyping I	Social Media Marketing	Elective 2 - Human Factors & Experience II/ Design Practice Fundamentals/ Introduction to Digital media	Drawing & Representation II - IA
	Practical	Mohd. Anees; AU0357	Practical	Simar Dhingra; AU0688	Mareena Thomas; AU0624		Apurva Gupta; SU1020	Mannat Abrol; SU0919	Tajinder Kaur Anand/ Mannat Abrol/ Sachin Datt	Apurva Gupta; SU1020
Wednesday	21BIA-4P05	21BIA-4P01	21BIA-4P01	21BIA-4P03	21BIA-4P04		21DEL-4P15	21BIA-4P06	21DEL-4P14/21DEL-4P15	21BIA-4P02
	IA Spatial Design Studio II	Simar Dhingra; AU0688	Form, Structure & Materials II	Building Systems II	Historical Styles II		Elective 1 - Prototyping I	Social Media Marketing	Elective 2 - Human Factors & Experience II/ Design Practice Fundamentals/ Introduction to Digital media	Drawing & Representation II - IA
	Practical	Mohd. Anees; AU0357	Practical	Simar Dhingra; AU0688	Mareena Thomas; AU0624		Apurva Gupta; SU1020	Mannat Abrol; SU0919	Tajinder Kaur Anand/ Mannat Abrol/ Sachin Datt	Apurva Gupta; SU1020
	21BIA-4P05	21BIA-4P01	21BIA-4P01	21BIA-4P03	21BIA-4P04		21DEL-4P15	21BIA-4P06	21DEL-4P14/21DEL-4P15	21BIA-4P02
Thursday	IA Spatial Design Studio II	Simar Dhingra; AU0688	Form, Structure & Materials II	Building Systems II	Historical Styles II		Elective 1 - Prototyping I	Social Media Marketing	Elective 2 - Human Factors & Experience II/ Design Practice Fundamentals/ Introduction to Digital media	Drawing & Representation II - IA
	Practical	Mohd. Anees; AU0357	Practical	Simar Dhingra; AU0688	Mareena Thomas; AU0624		Apurva Gupta; SU1020	Mannat Abrol; SU0919	Tajinder Kaur Anand/ Mannat Abrol/ Sachin Datt	Apurva Gupta; SU1020
	21BIA-4P05	21BIA-4P01	21BIA-4P01	21BIA-4P03	21BIA-4P04		21DEL-4P15	21BIA-4P06	21DEL-4P14/21DEL-4P15	21BIA-4P02
	IA Spatial Design Studio II	Simar Dhingra; AU0688	Form, Structure & Materials II	Building Systems II	Historical Styles II		Elective 1 - Prototyping I	Social Media Marketing	Elective 2 - Human Factors & Experience II/ Design Practice Fundamentals/ Introduction to Digital media	Drawing & Representation II - IA
Friday	Practical	Mohd. Anees; AU0357	Practical	Simar Dhingra; AU0688	Mareena Thomas; AU0624		Apurva Gupta; SU1020	Mannat Abrol; SU0919	Tajinder Kaur Anand/ Mannat Abrol/ Sachin Datt	Apurva Gupta; SU1020
	21BIA-4P05	21BIA-4P01	21BIA-4P01	21BIA-4P03	21BIA-4P04		21DEL-4P15	21BIA-4P06	21DEL-4P14/21DEL-4P15	21BIA-4P02
	IA Spatial Design Studio II	Simar Dhingra; AU0688	Form, Structure & Materials II	Building Systems II	Historical Styles II		Elective 1 - Prototyping I	Social Media Marketing	Elective 2 - Human Factors & Experience II/ Design Practice Fundamentals/ Introduction to Digital media	Drawing & Representation II - IA
	Practical	Mohd. Anees; AU0357	Practical	Simar Dhingra; AU0688	Mareena Thomas; AU0624		Apurva Gupta; SU1020	Mannat Abrol; SU0919	Tajinder Kaur Anand/ Mannat Abrol/ Sachin Datt	Apurva Gupta; SU1020

Kiran

SCHOOL OF DESIGN, SUSHANT UNIVERSITY
ATTENDANCE SHEET - Slow Learners
REMEDIAL CLASSES SCHEDULED FOR SLOW LEARNER

Sushant

Program/Batch: 2022-26
Course Code: 21BIA-4POS
Course Title: 1A Spatial Design Studio II

Register: 4
City Name: Anwar Dhangra
18/03/24

S.no	Enrollment No.	Student name	Date: 18/3	Date: 19/3	Date: 20/3	Date: 21/3	ent	Remarks (Outcome)
1	2208DES023	Anyan Nadanisi	AB	AB	AB	AB	AB	Assignments
2	2318DES001	Subha Singh	AB	AB	AB	AB	AB	Pending
3	2208DES040	Sachin Kumar	AB	AB	AB	AB	AB	
4								
5								
6								
7								
8								
9								

Faculty Signature:

SCHOOL OF DESIGN, SUSHANT UNIVERSITY



LIST OF ADVANCED LEARNERS

Program/Batch: B.Des

Course Code: 21BIA-4P05

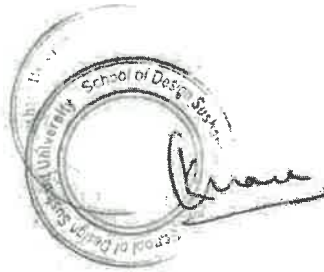
Course Title: IA Spatial Design Studio II

Semester: 4

Faculty Name: Simar Dhingra

S.no	Enrollment No.	Student name	Activities done to motivate ADVANCED learners
1	220BDES037	Malika Kohli	Suggested them online courses, MOOCs related to Spatial Design.
2	220BDES032	Mrinalini Gupta	Shared some online references, videos and books from library.
3	220BDES006	Pari Tyagi	Encouraged them to visit sites and work on their presentation skills as well.
4	220BDES007	Raamya Singh	Shared some online references, videos and books from library.
5	231BDES002	Aashi Jain	Encouraged them to visit sites and work on their presentation skills as well.

Faculty Signature: 



Online References for Advanced Learners

<https://portfolio.cept.ac.in/>

<https://www.behance.net/>

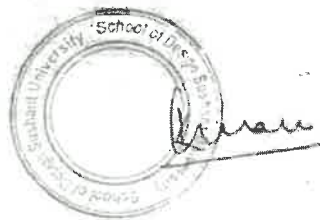
[Architecture Sheet Composition Guide \(urbandesiglab.in\)](#)

[Technical Drawing: Layout \(firstinarchitecture.co.uk\)](#)

[LESSON 11: Principles of Architectural Composition – Introduction to Architecture \(Arch1101\) \(cuny.edu\)](#)

[5 Tips For Architectural Sheet Presentation. - YouTube](#)

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Annexure IV

SCHOOL OF DESIGN

Course Title: IA Spatial Design Studio II

Semester: 4

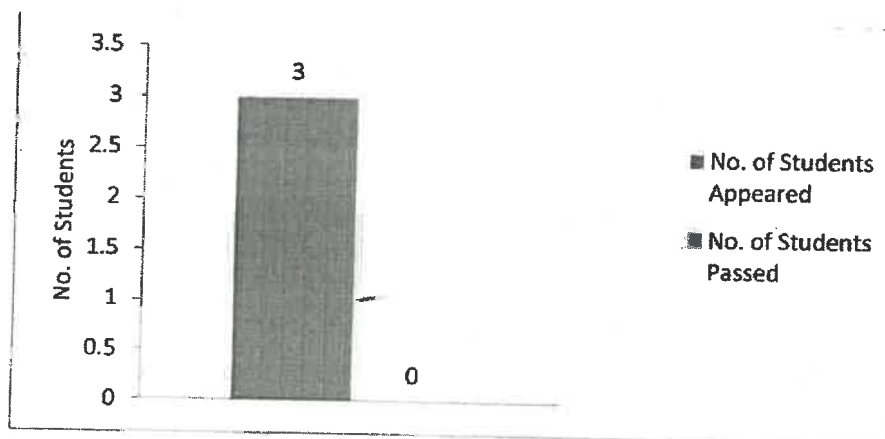
Course Code: 21BIA-4P05

Course Faculty: Simar Dhingra

Programme: B.Des IA

RESULT ANALYSIS

Sr. No.	Name of the Student	Marks Obtained
01	Aryan Madaria	32
02	Harsha Baig	
03	Sachin Kumar	ABSENT



Signature of Course Coordinator/Faculty

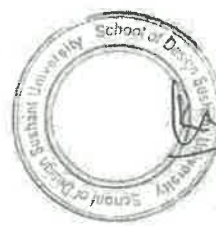
Simar

Programme Coordinator

upomas

Dean

Dean



The Tulu people or Tuluvas are an ethno-linguistic and ethno-cultural group from Southern India. The name 'Tuluva' is derived from a Cherasman Perumal king in the northern part of his dominions before its separation from Kerala.

- English teacher
- Love for literature
- Classical dancer
- Social butterfly
- Deeply pious

- Journalist
- Movie and food enthusiast
- Family Man

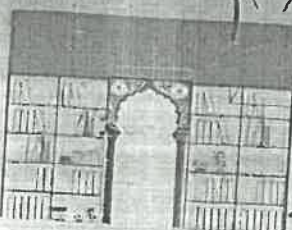
- Aspiring Pilot
- Sneakerhead
- Lover to travel
- Food and movie enthusiast

• In House Fashionists

- Devoted Housewife
- Needs her peace and calm
- Deeply pious

- Special living and social areas for entertaining family, friends, and guests with comfort
- Multipurpose space for religious practices and candles
- Application are space for books
- Nature, natural light and ventilation
- Eye soul kitchen

The combination of gold and wood brings a pop of colour in the otherwise warm, cosy house.



SECRET



MLA:
Is the a

The **Tandak** is a night-long dance and drum performance in Tulu Nadu, performed exclusively by a group who call themselves **Tandak**.

The Tula garden
extended from

covered Karnataka
up to Kasargod in
the south. The
included both
coastal & Intra
Kannada districts
as well as all of
Malabar Kannada
district and parts
of Kerala.

The crownlets worn by the women include the West Coast, the Hawaiian, and the peckers, usually made of gold with green and red enamel embedded in

The Train language is unique to the region, fostering a sense of identity and separation from other South Indian communities.

Pratunin Pancetta

Farmers

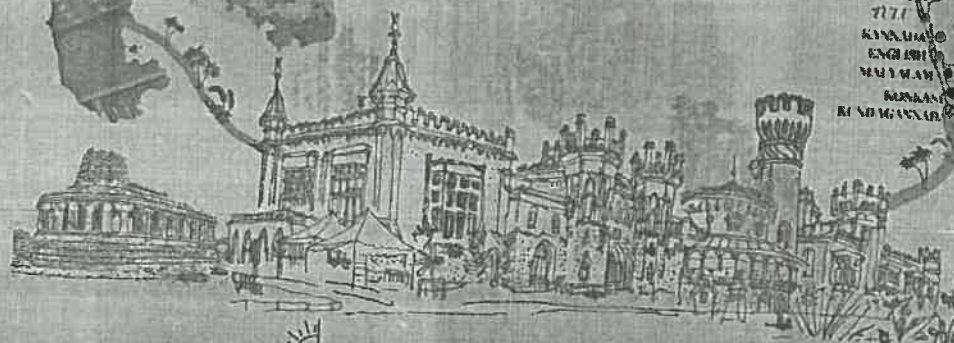
Fishers - vendors

**Businessmen
Landowners**

The major TAFE vocational centers are: Port Phillip, the Ovens, J. Fordyce, Oxley, Koolah, Soreby, Macquarie, Full Renshaw, and the University of New South Wales.



Hyperemesis. An elaborate form



The bookshelf, cube seating and the louvre doors act as an important transitional space by making the other static spaces relate to each other

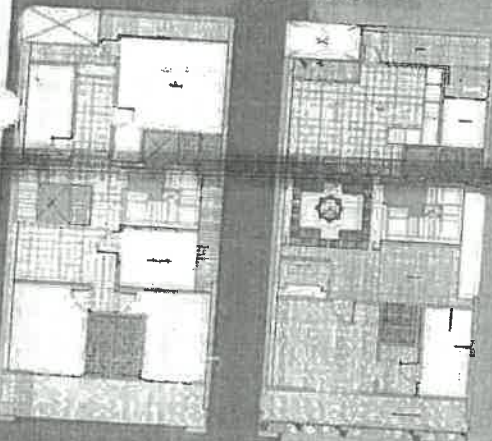


DRAWING AND RENDERS

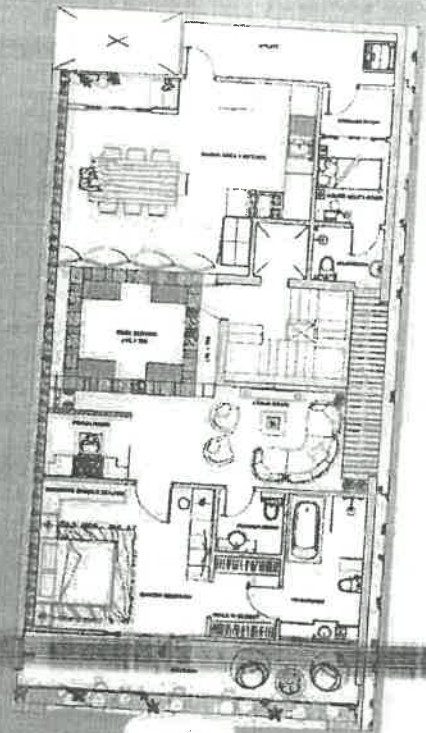
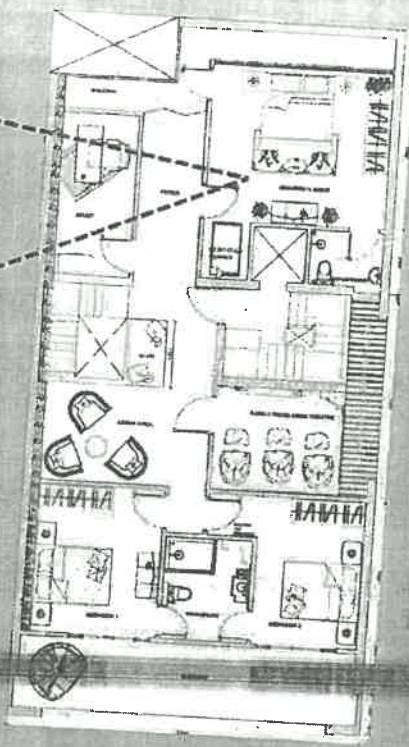
Created a bold combination of warm tones with natural orange, off-white, light wood, and green for a warm, stylish look. Accented with grey, white, and gold for a complete finish.



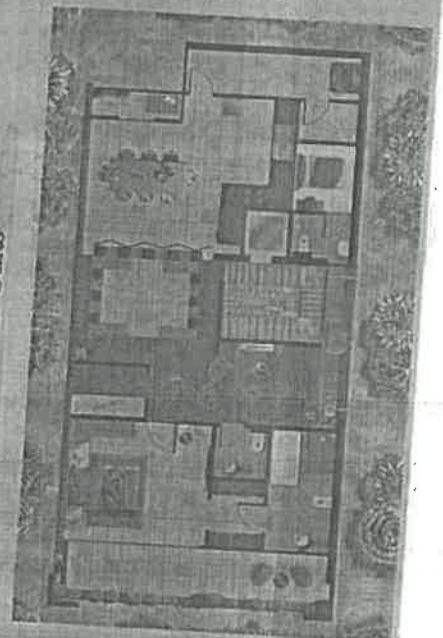
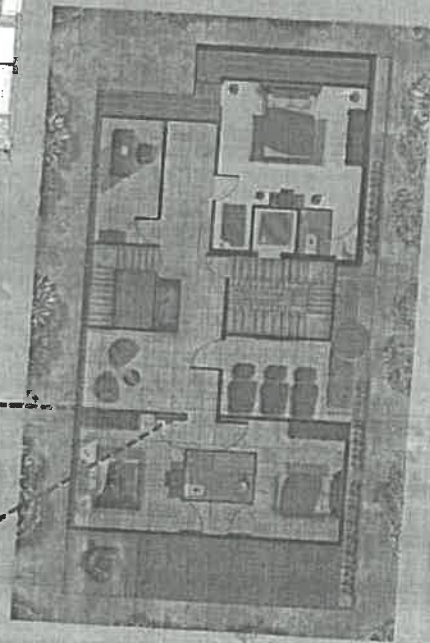
FLOORING PLANS



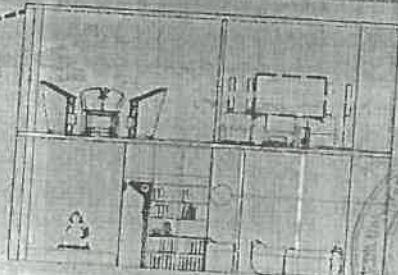
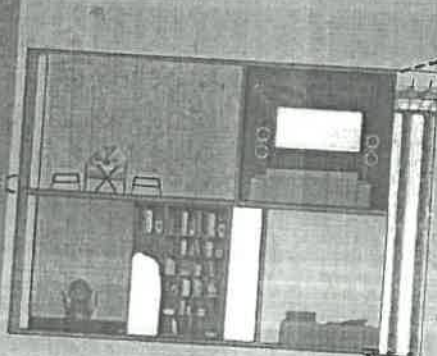
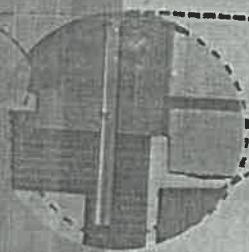
FLOOR PLANS



RENDERS



The materials used were kept simple and clean.
Wood, tile, concrete, glass, and metal create a sense of warmth and texture, and a touch of nature to your home. Imagine the outdoors in.



SAFDARIJUNG RESIDENCE

Report Multi 1 m house in the narrow lanes of New Delhi

21, BLACK Bt. 6 UPWARD NG ENCLAVE, NEW DELHI, INDIA.
Plot area: 200sqm in 1 block area: 600sqm



Safdarjung's Tomb, a notable landmark in the area, was built in the late 18th century as a mausoleum for Safdarjung. The tomb exemplifies Mughal architecture with its impressive structure and beautiful garden surroundings.

Before British rule, the area was characterized by its association with the Mughal Empire, rich cultural heritage, and architectural achievements.

Safdarjung under British rule underwent changes due to colonial governance, modernization, and cultural shifts, leaving a legacy seen in architecture, institutions, and historical landmarks, showcasing the interaction of British imperialism and Indian society.

After partition, new arrivals, including Punjabi refugees from Pakistan, moved to this area. People occupied all available spaces, leading to the acquisition of agricultural lands and rapid construction of temporary and permanent structures.

Sophisticated urban planning under Master Chaudhary improved Safdarjung as the first post-partition locality in Delhi, becoming cosmopolitan over 60 years.

DEMOGRAPHIC ANALYSIS

Population Density - 39,862/sq km

Booted housing

Over Homes

Per Capita Income - 4.4 lakhs

20-25

25-30

above 30

23%

33%

22%

Morning

Intermediate

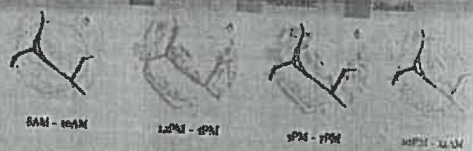
STRENGTH & MOBILITY

By Road
The road at the end of the house converges to the main road, which is a 5 minute walk away.

By Metro
AHSN: 5 mins (Kant)
Hare Kure: 10 mins (Kant)
Green Park: 2 mins (Kant)
Vasant Vihar: 5 mins (Kant)
Jail Road: 10 mins

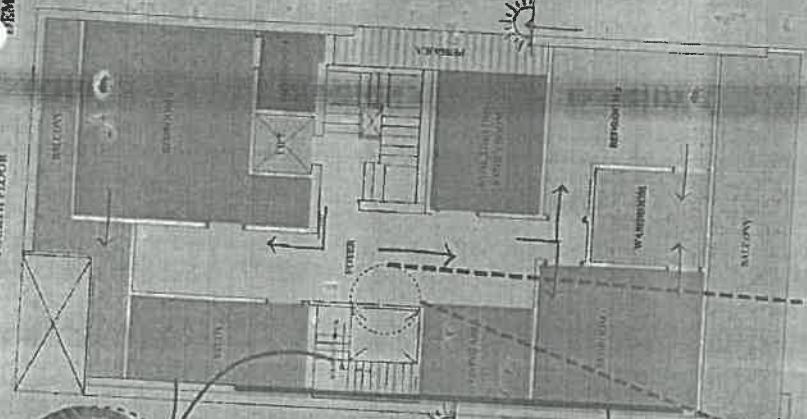
By Air
The nearest functional commercial airport is 10-15 mins depending on the terminal.
Safdarjung Airport (closed since 2002) is 10-15 mins away.

TRAFFIC DENSITY & VEHICULAR MOVEMENT



Staircase leading to the upper floor of the house creates a semi-private courtyard space which also breaks the monotony of the facade.

A Metal Wall with climate control, slabs made out of glass, and a large terrace created a space for the house to better incorporate nature into the design.



The banister of the stairs has flowers plants inlay to incorporate nature inspired elements into the house. In addition, the plants used are native of Karnataka, which adds a nostalgic touch.

ECOLOGICAL CONTEXT

Sun Path

Wind Direction

Avg Rainfall & Temp

Sun Path from East to West

Wind Path from South

Harsh Climate: Annual avg rainfall of 75mm
Avg temp max 45°C in June, min 5°C in Jan

Multiple courtyards and courtyards make the space seem vast and airy

The building's facade features a large glass terrace area with built-in north windows and a courtyard on the top floor.

This house is supported by a central pillar, creating a perfect square structure with a central pillar. The structure is elevated on the ground with a central pillar on the top floor.

Natural ventilation

No thermal bridge design

Since the air is north facing and has houses on either side of it, the central facade regulates air flow and gives necessary natural ventilation.

Natural sunlight

cools temp of the house

Strategic location:
Close to the cultural area, growing economy, post & active neighborhood, easy access to amenities.
Lack of water management, narrow lanes, tourism facilities, ineffective maintenance of public buildings, high population density (overcrowded).

High literacy Rates:
attracts tourists because of rich heritage.

Poor waste disposal:
is a health hazard, high population size.



SANT UNIVERSITY, SECTOR - 55, GURUGRAM
End Semester Examination: Regular (May, 2024)
B.Des (IA) Semester-4

Legend
 EP : Total
 DB : Absent
 DE : Deferred
 UFM : Unfair Marks
 P : Pass with Grace Mark

Sub Code		B.Des (IA) Semester-4																
Subject Name		TDC Title																
Total Credit Point -25		TDC																
Roll Number	Student Name	SGPA	Exam Name	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	TDC Title
2208DES003	Tanisha Galthora	1.680	EP	17 F	37 F	29 F	87 B	24 F	16 F	3 F		42 D		88 A+	TDC4A03			Site Design and Improvement
2208DES004	Aashish Jandon	2.360	EP	17	20	18	45	9	DB	DB		25		35	Site Design and Improvement			
2208DES006	pari tyagi	8.960	EP	13 F	29 F	28 F	67 B	25 F	14 F			16		52.5	TDC4A03			Site Design and Improvement
2208DES007	Raamya Singh	8.940	EP	13	20	11	45	10	DB			42 D		71 B+	TDC4A01			Commercial French
2208DES008	Gurnoor Malhotra	8.800	EP	68 A+	94 A+	96 O	93 A+	93 A+	83 A	95 O		26		30	TDC4A01			Visual Communication
2208DES010	Sanya panjwara	6.280	EP	54	57	58	57	36	50	37		16		41	TDC4A01			Visual Communication
2208DES012	Hidika Goyal	8.760	EP	34	37	38	36	38	33	37		55		63 B	TDC4A01			Visual Communication
2208DES017	Nidish Sharma	5.360	EP	74 B+	90 A+	97 O	94 A+	92 A+	95 O	93 A+		35		39	TDC4A02			Visual Communication
2208DES020	Anish pahuja	5.480	EP	44	57	58	58	37.5	58	56		54		77 A	TDC4A02			Visual Communication
2208DES023	ARYAN MADARIA	3.560	EP	30	33	33.5	36	37.5	37	37		34		32	Visual Communication			Visual Communication
2208DES028	Anushka Sharma	7.720	EP	62 B	60 B	42 D	76 A	47 D	82 A	93 A+		87 A+		45	TDC4A02			Visual Communication
			EP	36	38	27	50	50	50	56		48		36	Visual Communication			Visual Communication
			EP	26	22	15	26	17	32	37		31		42	Visual Communication			Visual Communication
			EP	79 A	90 A+	89 A+	94 A+	86 A+	88 A+			87 A+		88 A+	TDC4A03			Visual Communication
			EP	47	54	54	56	50	55			53		35	Site Design and Improvement			Visual Communication
			EP	32	35.5	35	38	36	33			39		52.5	TDC4A03			Visual Communication
			EP	67 B	40 D	48 D	80 A	44 D	78 A	40 D		69 B		88 A+	TDC4A03			Visual Communication
			EP	40	24	30	45	36	33			42		35	Site Design and Improvement			Visual Communication
			EP	27	16	38	35	8.5	48	10		42		52.5	TDC4A03			Visual Communication
			EP	68 B	73 B+	55 C	64 B	62 B	68 B	25 F		79 A		62 B	TDC4A03			Visual Communication
			EP	40	44	35	42	26	41	8		48		27	Site Design and Improvement			Visual Communication
			EP	28	29	20	22	26	27	26		31		34.5	TDC4A03			Visual Communication
			EP	63 B	40 D	55 C	68 B	32 F	36 F			69 B		37 F	TDC4A03			Visual Communication
			EP	37	24	33	45	11	19			42		35	Site Design and Improvement			Visual Communication
			EP	26	16	21	23	17	17			27		52.5	TDC4A03			Visual Communication
			EP	77 A	85 A+	93 A+	82 A	81 A	86 A+	93 A+		79 A		46 F	TDC4A02			Visual Communication
			EP	46	52	56	56	55	55	56		48		DB	Visual Communication			Visual Communication
			EP	31	32.5	37	26	26	31	37		31		46	Visual Communication			Visual Communication

- External Marks

- Internal Marks

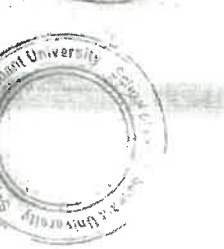


30/5/24

SUSANT UNIVERSITY, SECTOR - 55, GURUGRAM
End Semester Examination: Regular (May, 2024)
B.Des (IA) Semester-4

Sub Code		Subject Name		B.Des (IA) Semester-4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Roll Number	Student Name	SGPA	Exam Name	21BIA-4P01			21BIA-4P02			21BIA-4P03			21BIA-4P04			21BIA-4P05			21BIA-4P06			21DEL-4P12			21DEL-4P14			21DEL-4P15			23DEL-4P01	TDC	TDC Code																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
				Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks				Grade																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
2208DES032	Mrinalini Gupta	8.880	External	78 A	86 A+	52	55	33.5	36	38	38	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36

30/5/24



Controller of Examinations

SUSHANT UNIVERSITY

School of Design

Group Project Presentation (Even Semester 2023-24)

Semester : 4

Course Name: IA Spatial Design Studio II

Assignment Date: 12.01.2024

Faculty Name: Simar Dhillon

Program: B.Des IA
Course Code: 21BIA-4P05

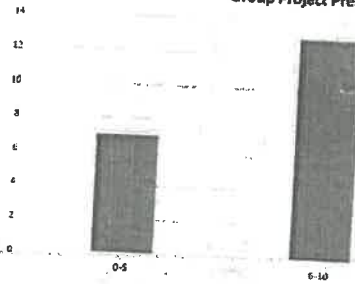
S. No.	Enrollment No.	Student Name	Batch No	Group Project (4 Marks)	Group Project (3 Marks)	Group Project (3 Marks)	Attainment	Attainment	Attainment	Total Marks (10)
				CO1	CO2	CO3	CO1 (4 Marks)	CO2 (3 Marks)	CO3 (3 Marks)	
1	2208DES004	Aanchal Tandon	2022-26	1	0	0	1	0	0	1
2	2208DES041	Aashma Dahiya	2022-26	3	3	3.5	3	3	3.5	9.5
3	2208DES039	Abir	2022-26	2.5	2.5	2.5	2.5	2.5	2.5	7.5
4	2208DES020	Anish pahuja	2022-26	2.5	2.5	2.5	2.5	2.5	2.5	7.5
5	2208DES028	Anushka sharma	2022-26	3	3	3	3	3	3	9
6	2208DES023	Aryan Madaria	2022-26	2	2	2	2	2	2	6
7	2208DES008	Gurmoor Malhotra	2022-26	3	3	3.5	3	3	3.5	9.5
8	2208DES012	Hikar Goyal	2022-26	1.5	3	3	1.5	3	3	7.5
9	2208DES035	Jia Sharma	2022-26	2	2	1.5	2	2	1.5	5.5
10	2208DES037	Mallika Kohli	2022-26	3	3	3	3	3	3	9
11	2208DES032	Minathi Gupta	2022-26	3.5	3	2	3.5	3	2	8.5
12	2208DES017	Nitish Sharma	2022-26	1	0	0.5	1	0	0.5	1.5
13	2208DES006	Peri Tyagi	2022-26	3.5	3	3	3.5	3	3	9.5
14	2208DES007	Ramya Singh	2022-26	4	3	3	4	3	3	10
15	2208DES038	Rubini Thakur	2022-26	1.5	2	1.5	1.5	2	1.5	5
16	2208DES040	Sechin Kumar	2022-26	AB	AB	AB	AB	AB	AB	AB
17	2208DES036	Sanket Srivastava	2022-26	0.5	1	0	0.5	1	0	1.5
18	2208DES010	Sanya Parthasar	2022-26	2	1	1	2	1	1	4
19	2208DES003	Tendita Gaihora	2022-26	1	0	0.5	1	0	0.5	1.5
20		Vish Mishra	2022-26	3	2	2.5	3	2	2.5	7.5
21	231BDF002	Aashvi Jain	2022-26	3.5	3	3	3.5	3	3	9.5
22	231BDES001	Ishta Singh	2022-26	1	0	0.5	1	0	0.5	1.5
Total Students				Average			2.38	2.00	1.91	7.29
Total Students Appeared in Group Project Presentation (N)							12	15	11	38
Number of students scored average % and above marks (P)							57.14%	71.43%	51.91%	
CO attainment (P/N)*100										

Average Marks	Max Marks	Min. Marks	Std Deviation	Less than 40%
8	16	2	3.14	26.37%

Students Marks	0-5	6-10	
Group Project Presentation	7	13	

Assessment	Attainment Levels	
Group Project/ Presentation	Level1	Less than 50% students scoring more than average % marks.
	Level2	50% to less than 50% students scoring more than average % marks.
	Level3	more than 60% students scoring more than average % marks in internal assessment tools

Group Project Presentation



CO Attainment Levels

CO1	CO2	CO3
		2



SUSHANT UNIVERSITY
School of Design
Mid-Term Examination (Even Semester 2023-24)

Program: B.Des IA
 Course Code: 21BIA-4P05

Semester : 4

Course Name: IA Spatial Design Studio II

Assignment Date: 04.03.2024
 Faculty Name: Simar Dhillagra

S. No.	Enrollment No.	Student Name	Batch No.	Assignment 1 (5 Marks)	Assignment 2 (5 Marks)	Assignment 3 (5 Marks)	Attainment CO1 (5 Marks)	Attainment CO2 (5 Marks)	Attainment CO3 (5 Marks)	Total Marks (15)
1	2208DES004	Aashish Tancon	2022-26	2.5	2.5	2	2.5	2.5	2	7
2	2208DES041	Aashima Dethal	2022-26	3	3	3	3	3	3	9
3	2208DES039	Abr	2022-26	3.5	3.5	3	3.5	3.5	3	10
4	2208DES020	Anish pahuja	2022-26	3	3	3	3	3	3	9
5	2208DES028	Anushka sharma	2022-26	4	4.5	4.5	4	4.5	4.5	13
6	2208DES023	Aryon Medaria	2022-26	1	0	1	1	0	1	2
7	2208DES006	Gurnoor Malhotra	2022-26	4.5	4.5	5	4.5	4.5	5	14
8	2208DES012	Hiba Goyal	2022-26	4.5	4.5	4	4.5	4.5	4	13
9	2208DES035	Jia Sharma	2022-26	4.5	4.5	4	4.5	4.5	4	13
10	2208DES007	Manika Kohli	2022-26	4.5	4.5	4	4.5	4.5	4	13
11	2208DES032	Minalee Gupta	2022-26	5	5	4.5	5	5	4.5	14.5
12	2208DES017	Niksh Sharma	2022-26	2	3	1.5	2	2	1.5	7.5
13	2208DES006	Pari Tyagi	2022-26	5	4.5	4	4.5	4.5	4	14
14	2208DES007	Raanya Singh	2022-26	5	4.5	4	4.5	4.5	4	14
15	2208DES038	Ruhon Thakur	2022-26	4.5	4.5	4	4.5	4.5	4	13
16	2208DES040	Sachin Kumar	2022-26	3.5	3.5	3	3.5	3.5	3	10
17	2208DES036	Sankaraj Srivastava	2022-26	3	3	3	3	3	3	9
18	2208DES010	Sanya Parjyaya	2022-26	2.5	3.5	2	2.5	3.5	2	8
19	2208DES003	Tanisha Gaihotra	2022-26	2	2	2	2	2	2	6
20	2318DES002	Yash Mishra	2022-26	4	2	2	4	2	2	8
21	2318DES002	Aashi Jain	2022-26	5	4.5	4.5	5	4.5	4.5	14
22	2318DES001	Ishita Baly	2022-26	1.5	1.5	1	1.5	1.5	1	4
Total Students				15	15	15	15	15	15	15
Average				3.5	3.5	3.5	3.5	3.5	3.5	3.5
Total Students Appeared in Group Project/Presentation (N)				15	15	15	15	15	15	15
Number of students scored average % and above marks (P)				12	12	12	12	12	12	12
CO attainment (P/N)*100				80%	80%	80%	80%	80%	80%	80%

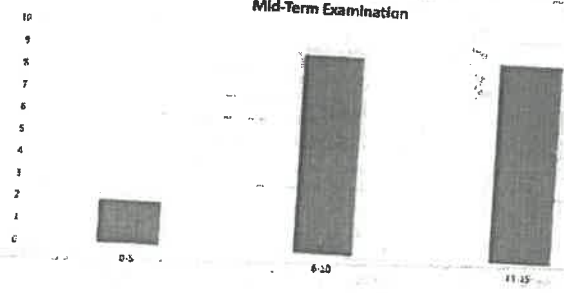
Average Marks	Max Marks	Min. Marks	Std Deviation	Less than 40%
3.5	5	1.2	3.85	9.33%

Students Marks	0-5	6-10	11-15
Mid-Term Examination	2	9	9

Assessment	Attainment Levels	
Mid-Term Examination Prescription	Level1	Less than 50% students scoring more than average % marks.
	Level2	50% to less than 60% students scoring more than average % marks.
	Level3	more than 60% students scoring - more than average % marks in internal assessment tools

CO Attainment Level	Attainment Level
CO1	
CO2	
CO3	

Mid-Term Examination



SUSHANT UNIVERSITY

School of Design

Program: B.Des IA
Course Code: 21BIA-4P05

Assignment 2 (Even Semester 2023-24)

Semester : 4

Course Name: IA Spatial Design Studio II

Assignment Date: 22.04.2024

Faculty Name: Simar Dhillagra

S. No.	Enrolment No.	Student Name	Batch No	Assignment 2 (10 Marks)	Assignment 2 (5 Marks)	Attainment CO2 (5 Marks)	Attainment CO3 (5 Marks)	Total Marks (15)
1	220BDES004	Aanchal Tandon	2022-26	1	1	1	1	2
2	220BDES041	Aashma Dahal	2022-26	10	4.5	10	4.5	14.5
3	220BDES039	Abir	2022-26	8	3	8	3	11
4	220BDES020	Anish pahuja	2022-26	8	3	8	3	11
5	220BDES028	Anushka sharma	2022-26	9	4	9	4	13
6	220BDES023	Aryan Medaria	2022-26	6	3	6	3	9
7	220BDES008	Gurnoor Malhotra	2022-26	10	4.5	10	4.5	14.5
8	220BDES012	Hilika Goyal	2022-26	10	4.5	10	4.5	14.5
9	220BDES036	Jia Sharma	2022-26	5	3	5	3	8
10	220BDES037	Malika Kohli	2022-26	8	3.5	8	3.5	11.5
11	220BDES032	Minalini Gupta	2022-26	9	4	9	4	13
12	220BDES017	Nitish Sharma	2022-26	1	1	1	1	2
13	220BDES006	Parl Tyagi	2022-26	10	4.5	10	4.5	14.5
14	220BDES007	Reamya Singh	2022-26	10	5	10	5	15
15	220BDES038	Ruhun Thakur	2022-26	4	3.5	4	3.5	7.5
16	220BDES040	Sachin Kumar	2022-26	AB	AB	AB	AB	AB
17	220BDES038	Sanskriti Srivastava	2022-26	1	1	1	1	2
18	220BDES010	Sanya Pengyara	2022-26	3	3	3	3	6
19	220BDES003	Tanisha Gahotra	2022-26	1	1	1	1	2
20		Yash Mahra	2022-26	8	3	8	3	11
21	231BDES002	Aashi Jain	2022-26	10	4	10	4	14
22	231BDES001	Ishta Baig	2022-26	1	1	1	1	2
Total Students								
Average								
Total Students Appeared in Group Project/ Presentation (N)					6.33	3.10		9.43
Number of students scored average% and above marks (P)					11	10		21
CO attainment (P/N)*100					57.14%	47.62%		

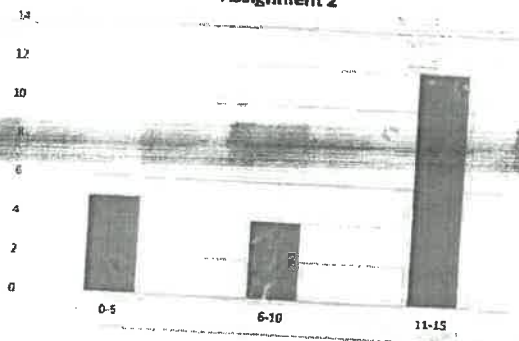
Average Marks	Max Marks	Min. Marks	Std Deviation	Less than 40%
9	15	2	4.81	23.81%

Students Marks	0-5	6-10	11-15
Assignment 2	5	4	12

Assessment	Attainment Levels
Assignment 2/ Presentation	Level1 Less than 50% students scoring more than average% marks.
	Level2 50% to less than 60% students scoring more than average % marks.
	Level3 more than 60% students scoring more than average % marks in internal assessment tools

CO Attainment Level	Attainment Level
CO1	2
CO2	2
CO3	1

Assignment 2



SUSHANT UNIVERSITY
School of Design
End-Term Examination (Even Semester 2023-24)

Program: B.Des IA
 Course Code: 21BIA-4905

Semester : 4
 Course Name: IA Spatial Design Studio II

Assignment Date: 13.05.2024
 Faculty Name: Sagar Dikshara

S. No.	Enrollment No.	Student Name	Batch No.	End-Term Examination (10 Marks)	End-Term Examination (10 Marks)	End-Term Examination (10 Marks)	End-Term Examination (10 Marks)	End-Term Examination (10 Marks)	Attachment					Total Marks (40)
									CO1 (10 Marks)	CO2 (10 Marks)	CO3 (10 Marks)	CO4 (10 Marks)	CO5 (10 Marks)	
1	2208060004	Aanchal Yadav	2022-24	3	3	3	3	3	3	3	3	3	3	15
2	2208060001	Anshika Dhar	2022-24	4	4	4	4	4	4	4	4	4	4	16
3	2208060013	Ash	2022-24	4	4	4	4	4	4	4	4	4	4	16
4	2208060022	Anshika Sharma	2022-24	7	7	7	7	7	7	7	7	7	7	28
5	2208060025	Aryan Mishra	2022-24	4	4	4	4	4	4	4	4	4	4	16
6	2208060023	Shreya Mahapatra	2022-24	3	3	3	3	3	3	3	3	3	3	12
7	2208060008	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
8	2208060012	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
9	2208060006	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
10	2208060007	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
11	2208060003	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
12	2208060010	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
13	2208060006	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
14	2208060007	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
15	2208060008	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
16	2208060009	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
17	2208060010	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
18	2208060011	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
19	2208060012	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
20	2208060013	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
21	2208060014	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
22	2208060015	Shreya Mahapatra	2022-24	10	10	10	10	10	10	10	10	10	10	40
Total Students				Observed										40
Total Students Appeared in Grand Project Presentation (40)				Observed										40
Number of students scored average % and above marks (15)				Observed										15
CO attainment (100%)				Observed										100%

Average Marks	Max Marks	Min. Marks	Std. Deviation	Less than 40%
15	40	15	13.92	0.00%

Students Marks	0-20	21-40	41-60
End Term Examination	1	1	11

Attachment Level	Attachment Level
Level I	Less than 50% students scoring more than average marks.
Level II	50% to less than 60% students scoring more than average marks.
Level III	more than 60% students scoring more than average marks in internal assessment.

CO Attainment Level	Attachment Level
CO1	1
CO2	1
CO3	1
CO4	1
CO5	1

End Term Examination



SUSHANT UNIVERSITY
School of Design
Result Analysis (Even Semester 2023-24)

Program: B.Des IA

Sem: 4

Course Name: IA Spatial Design Studio II

Course Code: 21BIA-4P05

Faculty Name: Simar Dhingra

Date of Analysis: 22.05.2024

Consolidated CO Attainment (Internal)				
Mid term 15 : Assignment/Presentation 25				
COs	Assessment Tools			Total
	Mid-Term	Assignment	Group Project/ Presentation	
CO1	2		2	0.5
CO2		2	3	0.6
CO3		1	2	0.35
CO4	2			0.3
CO5	3			0.45
Consolidated CO Attainment (Internal+External)				
Internal 40 : External 60				
COs	Internal (Mid term+Assignment+Presentation)	End Term (ESE)	Total	
CO1	0.5	3	2	
CO2	0.6	3	2.04	
CO3	0.35	3	1.94	
CO4	0.3	3	1.92	
CO5	0.45	2	1.38	

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School of Design, Sushant University, Gurugram
Academic Year - Even 2023-24

Course Exit Survey

Program: B.Des IA

Course Name: IA Spatial Design Studio II

Faculty Name: Simar Dhillon

Sem: 4

Course Code: 21BIA-4P05

Date of Analysis: 22.05.2024

Student Full Name	CO1		CO2		CO3		CO4		CO5	
	Course Exit survey parameter1	Attainment of CO1	Course Exit survey parameter2	Attainment of CO2	Course Exit survey parameter3	Attainment of CO3	Course Exit survey parameter4	Attainment of CO4	Course Exit survey parameter5	Attainment of CO5
Aanchal Tandon	Good	12	Fair	8	Fair	8	Fair	8	Fair	8
Aashma Dahal	Excellent	20	Very Good	16	Very Good	16	Very Good	16	Very Good	16
Abir	Excellent	20	Excellent	20	Excellent	20	Excellent	20	Excellent	20
Anish pahuja	Good	12	Good	12	Good	12	Good	12	Good	12
Anushka sharma	Excellent	20	Very Good	16	Very Good	16	Very Good	16	Very Good	16
Aryan Madaria	Good	12	Fair	8	Fair	8	Fair	8	Fair	8
Gumoor Malhotra	Excellent	20	Excellent	20	Excellent	20	Excellent	20	Excellent	20
Hilika Goyal	Excellent	20	Very Good	16	Very Good	16	Very Good	16	Very Good	16
Jia Sharma	Very Good	16	Very Good	16	Very Good	16	Very Good	16	Very Good	16
Malika Kohli	Excellent	20	Excellent	20	Excellent	20	Excellent	20	Excellent	20
Mrinalini Gupta	Excellent	20	Excellent	20	Excellent	20	Excellent	20	Excellent	20
Nitish Sharma	Good	12	Good	12	Good	12	Good	12	Good	12
Pari Tyagi	Excellent	20	Excellent	20	Excellent	20	Excellent	20	Excellent	20
Raaniya Singh	Excellent	20	Excellent	20	Excellent	20	Excellent	20	Excellent	20
Ruhun Thakur	Good	12	Fair	8	Fair	8	Fair	8	Fair	8
Sachin Kumar										
Sanskriti Srivastava	Good	12	Fair	8	Fair	8	Fair	8	Fair	8
Sanya Panjiyara	Good	12	Fair	8	Fair	8	Fair	8	Fair	8
Tanisha Gaihotra	Good	12	Fair	8	Fair	8	Fair	8	Fair	8
Yash Mishra	Very Good	16	Good	12	Good	12	Good	12	Good	12
Aashi Jain	Excellent	20	Excellent	20	Excellent	20	Excellent	20	Excellent	20
Ishba Baig	Fair	8	Poor	4	Poor	4	Poor	4	Poor	4
Average		16		13.904762		13.9047619		13.904762		13.90476
No of students >=Avg		13		13		13		13		13
Total students		21		21		21		21		21
Attainment Level (%)		61.90%		61.90%		61.90%		61.90%		61.90%
Attainment Level		3		3		3		3		3

Assessment Methods	Attainment Levels	
Assessment	Level1	Less than 50% students scoring more than
	Level2	more than 50% & less than 60% students scoring more than
	Level3	more than 60% students scoring more than

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SUSHANT UNIVERSITY

School of Design

CO Attainment (Even Semester 2023-24)

Program: B.Des IA

Sem: 4

Course Name: IA Spatial Design Studio II

Course Code: 21BIA-4P05

Faculty Name: Simar Dhingra

Date of Analysis: 22.05.2024

COs	Direct (80%)	Indirect (20%)	Total (100%)
CO1	2	3	2.2
CO2	2.04	3	2.232
CO3	1.94	3	2.152
CO4	1.92	3	2.136
CO5	1.38	3	1.704



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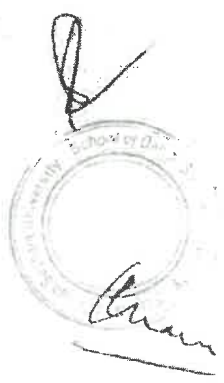
School of Design

CO-PO-PSO Mapping (Even Semester 2023-24)

Program: B.Des IA
Course Name: IA Spatial Design Studio II
Faculty Name: Simar Dhillagra

Sem: 4
Course Code: 21BIA-4P05
Date of Analysis: 22.05.2024

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	2	2	3	2	2	2	1	3	2	2	2	2					
CO2	3	2	2	3	2	1	1	1	3	2	2	2	2					
CO3	3	2	2	3	2	2	2	1	3	2	2	2	2					
CO4	1	2	3	3	2	2	2	1	3	2	2	2	2					
CO5	3	2	2	3	2	2	2	2	1	2	1	1						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	6.6	4.4	4.4	6.6	4.4	4.4	4.4	2.2	6.6	4.4	4.4	4.4	4.4	0	0	4.4	0	0
CO2	6.696	4.464	4.464	6.696	4.464	2.232	2.232	2.232	6.696	4.464	4.464	4.464	4.4	0	0	4.464	0	0
CO3	6.456	4.304	4.304	6.456	4.304	4.304	4.304	2.152	6.456	4.304	4.304	4.304	0	6.456	0	4.464	0	0
CO4	2.136	4.272	6.408	6.408	4.272	4.272	4.272	2.136	4.272	4.272	4.304	4.304	0	6.456	0	0	0	0
CO5	5.112	3.408	5.112	3.408	5.112	1.704	4.272	1.704	5.112	4.272	2.136	2.136	0	0	2.136	0	2.152	6.456
Attainment	2.68	2.08	2.09	2.08	2.08	2.11	2.11	2.09	2.08	2.08	2.08	2.08	2.20	2.19	1.92	2.22	2.15	2.15



|| Sushant || University

Academic Year

2024-2025

Course Activity Sheet
(Planning and Review)

Academic Year... 2024-25
 Programme... Interior Architecture
 Semester... 5
 Course Name... IA Spatial Design Studio III
 Course Code... 21.BIA-SP05
 School... School of Design
 Faculty... Anjali Maawah

Planning Checklist

S. No	Activity	Status
1	Is the syllabus copy maintained and submitted by the faculty member?	Yes/No
2	Is lecture plan signed and updated by the faculty member?	Yes
3	Is Time Table made available?	Yes
4	Number of Assignments planned	5
5	Number of quiz planned	1
6	Digital Learning LX (Review) Is it updated with following (suggestive) : Syllabus Reference material Quiz/Assignment	Yes
7	Is mapping of students available on ERP along with the timetable?	Yes
8	Suggest atleast one innovative way for better engagement of students in this course	Involvement in workshops & site visits

Anjali Maawah
 9th Aug 2024
 (Signature of Faculty Member with Date)



[Signature]
 (Signature of Dean with Date)

[Signature]

Mid-Semester Review

S.No	Activity	Status
1.	Is the attendance updated on ERP?	✓ Yes/No
2.	Percentage of students who are not meeting the attendance criteria of 75%	15%
3.	Pass percentage in Internal Assessment so far	75%
4.	Identification and motivation advanced learners (Advanced learner sheet attached)	Yes
5.	Identification and remedial classes for slow learners (Slow learner sheet attached)	Yes

Dean's Review and recommendations

In-depth & practical delivery of the course & good work.

Aradi
21st Oct 24
(Signature of Faculty Member with Date)

Kumar
(Signature of Dean with Date)



End-Semester Review

S.No	Activity	Status
1.	Is the attendance updated on ERP?	✓Yes/No
2.	Percentage of students who are not meeting the attendance criteria of 75%	10%
3.	Pass percentage	90%
4.	Summary of CO attainment	CO1- 2.08 CO2- 1.36 CO3- 2.224 CO4- 1.904
5.	Student Feedback	Students were satisfied with the course content.
6.	Exit Feedback by faculty member for improvement in future	Session on working drawings helped with the final output of the course.

Dean's Review

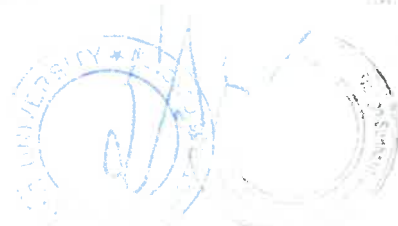
The assignments planned were to enhance in-depth knowledge of students.
Students had good understanding.

(Signature of Faculty Member with Date)

(Signature of Dean with Date)

(AU) (AU04RS)									
Day	9:10 AM - 10:00 AM	10:05 AM - 10:55 AM	11:00 AM - 11:50 AM	11:55 AM - 12:45 PM	12:45 PM - 1:25 PM	1:30 PM - 2:15 PM	2:20 PM - 3:10 PM	3:15 PM - 4:05 PM	4:10 PM - 5:00 PM
day	ID Degree Project (Thesis) Sem 7, ID	ID Degree Project (Thesis) Sem 7, ID	IA Spatial Design Studio III, Sem 5, IA	IA Spatial Design Studio III, Sem 5, IA		IA Spatial Design Studio III, Sem 5, IA	IA Spatial Design Studio III, Sem 5, IA		
e		Basics of Furniture Design, Sem 5, ID	Basics of Furniture Design, Sem 5, ID	Basics of Furniture Design, Sem 5, ID		Design Analysis and Applications I, Sem 3, ID	Design Analysis and Applications I, Sem 3, ID		
id			ID Degree Project (Thesis) Sem 7, ID	ID Degree Project (Thesis) Sem 7, ID					
iday	IA Spatial Design Studio III, Sem 5, IA	IA Spatial Design Studio III, Sem 5, IA				Discipline Specific Elective (Services), Sem 3, IA	Discipline Specific Elective (Services), Sem 3, IA		
lay	Design Analysis and Applications I, Sem 3, ID	Design Analysis and Applications I, Sem 3, ID							

AP



Know

IA Spatial Design Studio III

Course Code: 21BIA-5P05

Credits: 06

Course Objective

This studio attempts to interpret the correlation of public place and the ideas of collective presence in a civic world. It focuses on understanding organizations of different types and development of language that is appropriate to the public realm.

The main aim is to develop visually literate students who are proficient at analytical thinking, conceptualization and the problem-inquiry, solution cycle. The course also examines the connection between abstract design principles and the physical and visual environments.

Course Outcomes

By the end of the course, the student will:

- CO1: Develop analytical thinking, conceptualization and the problem-inquiry, solution cycle.
- CO2: Ability to understand organizations of different types and development of language that is appropriate to the public realm.
- CO3: Application of materials and lighting to create specific treatments and environments.
- CO4: Ability to express ideas in 2D drawings, 3D forms and views.

Course Contents

Module I

Introduction to different typologies of commercial design such as retail, boutique, restaurants, health club, hospitality, etc.

Module II

Overview of commercial interior design. Finding relevant case studies for understanding the principles and standards of commercial design.

Module III

Understanding the anthropometry and ergonomics inside a given space. Study and analyze an existing commercial space with respect to the spaces chosen.

Module IV

Inferences from the study, - the planning aspects, color schemes, materials and finishes, furniture details etc.

Module V

Concept - Identifying the design objective, design problem, the design goal and the development of the mind map and the prospective design concept.

Module VI

Individual design explorations - the mind map, exploration of spatiality, the inclusion of design programming, the detailed concept, design brief along with supporting layout options.

Module VII

Design Development - Identifying the colour palettes, materiality, interior details, design communication and focus along with the overall atmospherics and spatiality.

Module VIII

Design Detail - Finalization of the design solution and experientiality, the layouts for interior services, furniture detail, signage and branding along with fittings and fixtures.



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Pedagogy

The subject entails adopting a combination of lecture sessions, tutorials, class presentation, and extensive studio sessions. These will help the students understand the methodology needed to approach public space design while adhering to standards, constraints, trends, human psychology, technologies and materiality; for effective and innovative space planning. Furthermore, various case studies, self-study and experimental assignments, research and field trips will ensure critical thinking in students in addition to their response to the social, economic and environmental context of the space.

Reference Books:

1. Karlen Mark, (1992), Space planning Basics, Van Nostrand Reinhold, New York.
2. Joseph D Chiara, Julius Panero, & Martin Zelnick, (2001), Time Saver standards for Interior Design & space planning, 2nd edition, Mc-Graw Hill professional.
3. Francis D. Ching & Corky Bingelli, (2004), Interior Design Illustrated, 2nd edition, Wiley publishers.
4. Julius Panero & Martin Zelnick, (1979), Human Dimension & Interior Space: A source book of Design Reference standards, Watson – Guptill.
5. Maureen Mitton, (2003), Interior Design Visual Presentation: A Guide to Graphics, Models, and Presentation Techniques. John Wiley and Sons.
6. Mark.W. Lin, (1993), Drawing and Designing with Confidence: A step-bystep guide, Wiley.and Sons.
7. Robert Rengel, (2002), Shaping Interior Space, Fairchild Books & Visuals, 2002
8. Neufert Ernest, (2000), Architect's Data, Granada pub. Ltd. London, 2000.
9. Maryrose McGowan & Kelsey Kruse, (2004), Interior Graphic Standards, Wiley and sons.
10. 10.Mary Jo Peterson, (1998), Universal Kitchen and Bathroom Planning: Design That Adapts to People, McGraw-Hill Professional Publishing.
11. David Kent Ballast, (2007), Interior Construction & Detailing for Designers and Architects, Professional Publications, Inc., Fourth Edition.

Course Assessment Components

This course is of 100 marks and will have the following assessment components. Final Grades will be based on the relative performance of a student in the class

Mid Semester Examination	Quiz(s)/ Presentation (s)	Assignment(s)	Total Internal Component	End Semester Examination
15	15	10	40	60

Course Outcomes to Program Outcomes and Program Specific Outcomes Mapping Matrix

POs (Program Outcomes)- At the end of the program the students will be able to:



PO-1	Knowledge & Expertise of Design field
PO-2	Research
PO-3	Information and digital literacy
PO-4	Problem Solving
PO-5	Communication and presentation skills
PO-6	Behavioral skills, Teamwork and leadership
PO-7	Globalization
PO-8	Ethical, Social and professional understanding
PO-9	Employability, Entrepreneurship
PO-10	Lifelong learning
PO-11	Organizational behavior

PSOs (Program Specific Outcomes)

PSO-1	Developing a professional mind set by a well-designed pedagogical structure. Inculcating critical thinking and teamwork as basic graduate attributes with adherence to the moral and ethical code of conduct to perform equally well in the areas of employability and entrepreneurship.
PSO-2	Gaining updated knowledge and understanding regarding contemporary developments, smart materials, cutting edge technology, state of the art advancements, etc. in the field of interior and construction to develop an intuitive and innovate approach and contribution towards the field of design.
PSO-3	Approaching problem solving attributes through a strong research background. Attaining adequate scholarly knowledge by exposing students for referring to editorials, volumes, papers, journals, and authentic e-platforms. Encouraging prospective graduates for higher degree of research, studies, explorations and develop novel prototypes and products.
PSO-4	Imbibing a sense of appreciation towards different history, culture, tradition, craftsmen, artists alike and developing collaborative approach to protect and prosper the identity and authenticity of design community.
PSO-5	Inculcating the habits of constructive criticism, self-evaluation and lifelong learning through cross-collaboration, design studio culture, hands-on working. Acknowledging the betterment of the society by working for the needy and the under privileged through the Social drives and programmes.
PSO-6	Imbibing a sense of appreciation towards different history, culture, tradition, craftsmen, artists alike and developing collaborative approach to protect and prosper the identity and authenticity of design community.

Relationship between the Course Outcomes (COs) and Program Outcomes (POs) /



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Program Specific Outcomes (PSOs)

Matrix 1- Mapping of COs with POs and PSOs

(COs)	Program Outcomes (POs)												Program Specific Outcomes (PSOs)					
	P O1	P O2	P O3	P O4	P O5	P O6	P O7	P O8	P O9	P O10	P O11	P O12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	H	M	M	H	M			L	H	M	M	M	H		H		L	
CO2	H	M	M		M	H	M	L	H	M	M		H		H		L	
CO3	H	M	M	H	M							M		M	H		L	
CO4					M					M				M	H		L	

Where H= High relationship (covers up to 75-95% of the desired outcome); M=Medium (covers up to 50 to 75%); L= Low (covers up to 10-50% of the desired outcome)

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2. Reference Books

1. Karlen Mark, (1992), Space planning Basics, Van Nostrand Reinhold, New York.
2. Joseph D Chiara, Julius Panero, & Martin Zelnick, (2001), Time Saver standards for Interior Design & space planning, 2nd edition, McGraw Hill professional.
3. Francis D. Ching & Corky Bingelli, (2004), Interior Design Illustrated, 2nd edition, Wiley publishers.
4. Julius Panero & Martin Zelnick, (1979), Human Dimension & Interior Space: A source book of Design Reference standards, Watson - Gupta.
5. Maureen Mitton, (2003), Interior Design Visual Presentation: A Guide to Graphics, Models, and Presentation Techniques. John Wiley and Sons.
6. Mark W. Lin, (1993), Drawing and Designing with Confidence: A step-by-step guide, Wiley and Sons.
7. Robert Rengel, (2002), Shaping Interior Space, Fairchild Books & Visuals, 2002
8. Neufert Ernest, (2000), Architect's Data, Granada pub. Ltd. London, 2000.
9. Maryrose McGowan & Kelsey Kruse, (2004), Interior Graphic Standards, Wiley and sons.
10. Mary Jo Peterson, (1998), Universal Kitchen and Bathroom Planning: Design That Adapts to People, McGraw-Hill Professional Publishing.
11. David Kent Ballast, (2007), Interior Construction & Detailing for Designers and Architects, Professional Publications, Inc.; Fourth Edition.

3. Lecture Plan (Total hours -90 Hours)

Lecture s hour	Topics to be covered	UNIT No.	Date		Deans Remark s with Date
			Planned on	Taken on	
1-2	Introduction to Studio	UNIT-I	05.07.2024	12-8/24	Methodology used (PPT, White Board, Audio/Video, Practical, Visit, Self Study based) Class Task: Discussion on Simple Public Buildings and spaces <i>WJ</i>

3-4	Building up on the Studio	UNIT-I	05.07.2024	22/8/24	Class Task: Discussion of Project Brief	✓
5-6	Building up on the Studio	UNIT-I	05.07.2024	29/8/24	Individual / Group Presentation and discussion	✓
7-8	Site Visit – Office Space	UNIT-I	05.07.2024	2/9/24	Visits to sites for case study	✓
9-10	Understanding of Concepts	UNIT-II	05.07.2024	5/9/24	Individual / Group Presentation and discussion along with analysis	✓
11-12	Introduction to main studio project	UNIT-II	05.07.2024	9/9/24	Open Discussion Ideation on the concepts for project	✓
13-14	Assessment		05.07.2024	12/09/24	Individual Presentation and discussion	✓
15-16	Assessment		05.07.2024	19/09/24	Individual Presentation and discussion	✓
17-18	Site Selection and Analysis	UNIT-II	05.07.2024	23/09/24	Class Task: Site Documentation, Analysis and Presentation	✓
19-20	Site Selection and Analysis	UNIT-II	05.07.2024	26/09/24	Individual / Group Presentation and discussion	✓
21-22	Assessment		05.07.2024	30/09/24	Individual / Group Presentation and discussion	✓
23-24	Design Framework	UNIT-III	05.07.2024	31/10/24	Class Task: Detailed discussion on Design strategies w.r.t. the proposal	✓



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25-26	Design Framework	UNIT -III	05.07.2024	7/10/24	Class Task: Detailed discussion on Design strategies w.r.t. the proposal	✓
27-28	Design Framework	UNIT -III	05.07.2024	10/10/24	Class Task: Detailed discussion on Design strategies w.r.t. the proposal	✓
29-30	Design Framework & Strategy	UNIT -III	05.07.2024	14/10/24	Individual / Group Presentation and discussion	✓
31-32	Design Framework & Strategy	UNIT -III	05.07.2024	17/10/24	Individual / Group Presentation and discussion	✓
33-34	Design Development	UNIT -IV	05.07.2024	21/10/24	Class Task: Ideation and discussion of drawings (layout plans, sections and elevations)	✓
35-36	Design Development	UNIT -IV	05.07.2024	24/10/24	Class Task: Ideation and discussion of drawings (layout plans, sections and elevations)	✓
37-38	Design Development	UNIT -IV	05.07.2024	4/11/24	Class Task: Ideation and discussion of drawings (layout plans, sections and elevations)	✓
39-40	Design Development	UNIT -IV	05.07.2024	7/11/24	Class Task: Ideation and discussion of drawings (layout plans, sections and elevations)	✓
41-42	Assessment		05.07.2024	11/11/24	Individual / Group Presentation and discussion	✓
43-44	Assessment		05.07.2024	11/11/24	Individual / Group Presentation and discussion	✓
45-46	Design Detailing	UNIT -V	05.07.2024	11/11/24	Class Task: Ideation and discussion of design boards (materials)	✓

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47-48	Design Detailing	UNIT -V	05.07.2024	18/11/24	Ideation and discussion of design boards (materials and techniques) Class Task:	mt
49-50	Design Detailing & 3D Visualisation	UNIT -V	05.07.2024	21/11/24	Ideation and discussion of design boards (materials and techniques) Class Task:	mt
51-52	Design Detailing & 3D Visualisation	UNIT -V	05.07.2024	21/11/24	Ideation and discussion of design boards (materials and techniques) Class Task:	mt
53-54	3D Visualisation	UNIT -VI	05.07.2024	25/11/24	Ideation and discussion of 3D Views and sketches Class Task:	mt
55-56	3D Visualisation	UNIT -VI	05.07.2024	28/11/24	Ideation and discussion of 3D Views and sketches Class Task:	mt
57-58	Feedback on project presentation	UNIT -VI	05.07.2024	28/11/24	Individual / Group Presentation and discussion	mt
59-60	Feedback on project presentation	UNIT -VI	05.07.2024	28/11/24	Individual / Group Presentation and discussion	mt

AP

Yuan



School of Design, Sushant University

Odd Semester (Aug-Dec) 2024

Students List

Program: Interior Architecture

Sem: 5

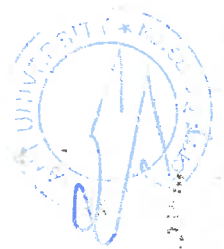
Course Name: IA Spatial Design Studio III

Course Code: 21BIA-5P05

Faculty: Anjali Marwah

Total No. of Students enrolled in the course: 20

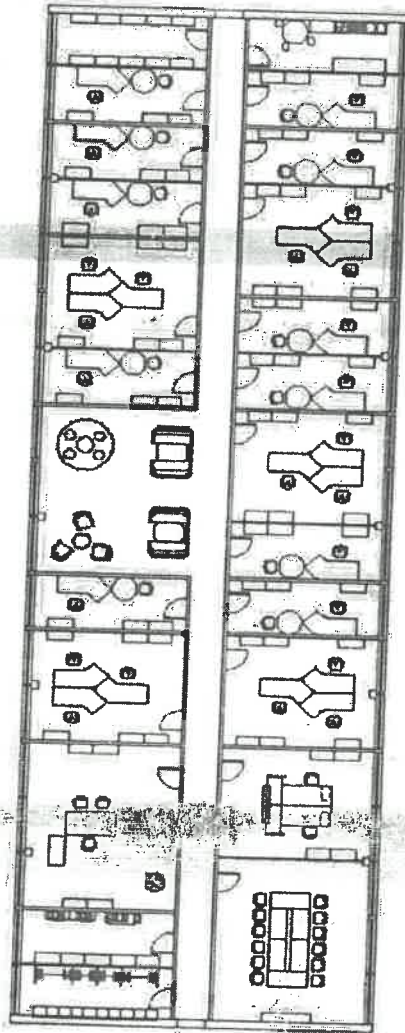
Student Name	Roll No
Aanchal Tandon	220BDES004
Aashma Dahal	220BDES041
Abir	220BDES039
Anushka sharma	220BDES028
Aryan Madaria	220BDES023
Gurnoor Malhotra	220BDES008
Hitika Goyal	220BDES012
Jia Sharma	220BDES035
Mallika Kohli	220BDES037
Mrinalini Gupta	220BDES032
Nitish Sharma	220BDES017
Pari Tyagi	220BDES006
gh	220BDES00
Ruhun Thakur	220BDES038
Sanskriti Srivastava	220BDES036
Sanya Panjiyara	220BDES010
Tanisha Galhotra	220BDES003
Yash Mishra	231BDES003
Aashi Jain	231BDES002
Ishba Baig	231BDES001



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TYPE OF OFFICES:

- o **CELLULAR office:** is characterized by stringing together single and multi-person offices along the building's facade; a common corridor provides access. The cellular office is particularly well-suited for companies that want to support autonomous work that requires concentration and facilitate confidential meetings. Offices with a door are still regarded today as a status symbol. A relatively low maximum occupancy rate is taken into account in this type of office.
- o Autonomous, focused work
- o Confidential meetings
- o Status

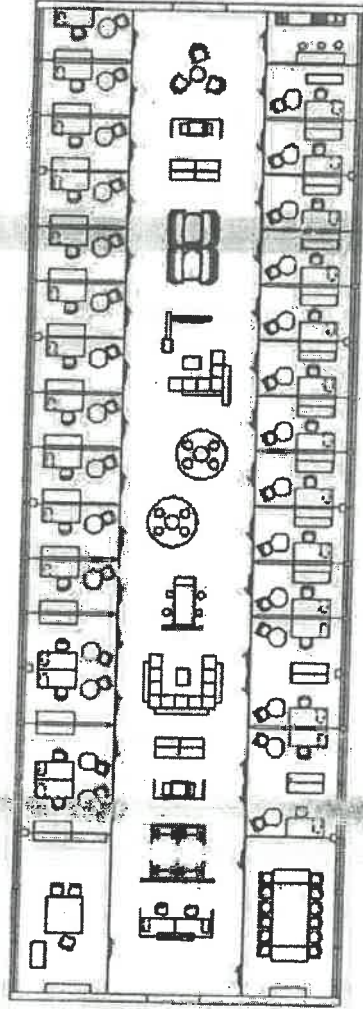


4

Byron

TYPE OF OFFICES:

- **COMBINATION office:** Combination of standardized one- and multi-person offices for focused work, with significantly reduced floor space. Communication occurs in the interior multi-functional shared area (central area). Hallway walls are transparent in order to provide the central area with natural light. The central zone also serves as the central meeting point for exchange, interaction and support areas. In combination offices, people switch frequently between individual work requiring concentration and communicative project or team work. The maximum occupancy rate is greater than in the cellular office.
- Focused work
- Communication in the central zone
- Transparency: Visual contact possible thanks to central break-out area
- For frequent shifts between focused individual work and more communicative project or team work

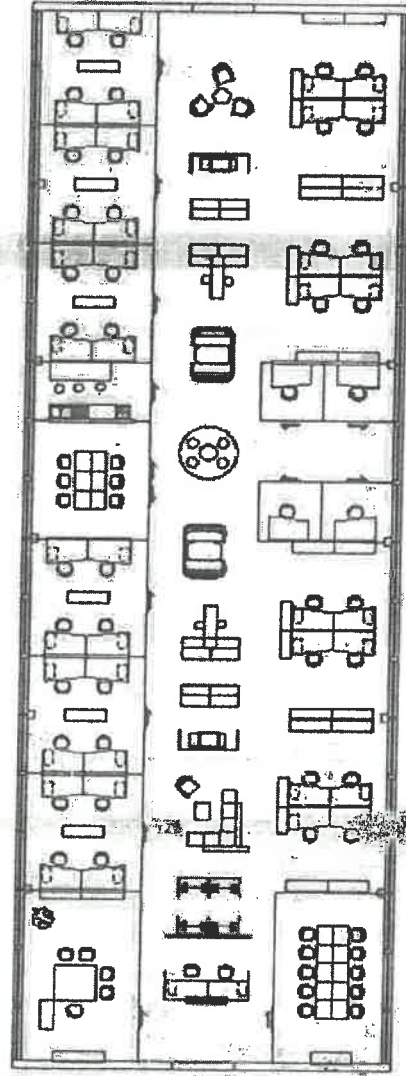


Brown

TYPE OF OFFICES:

TEAM office: In the team office, there is a mix of office layouts within the office floor or building. The focus is on the variability and flexibility of office layouts. Designed to be partially open and transparent, or modified at short notice for a company's special requirements. It is suitable for a wide array of work, such as team building and structuring, project work, concentration, and communication. The maximum occupancy rate is also somewhat higher for this office layout.

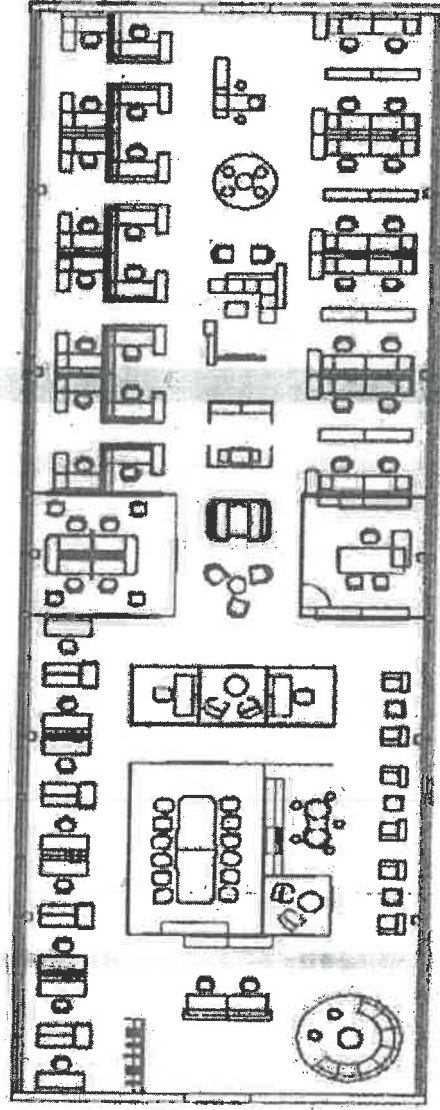
- High flexibility
- Mix of office types
- Team building and organization
- Project work
- Concentration
- Communications



TYPE OF OFFICES:

OPEN SPACE office: Brings together the advantages of several office forms in open-plan application scenarios. Communication and the quality of interaction become the focus without mitigating privacy and the opportunity to concentrate. Employees choose the zones and areas that are best suited to their activities. Space efficiency is achieved with compacted, non-territorial workplace areas.

- Efficient use of space
- Flexibility in open-plan application scenarios
- Openness and exchange of knowledge
- Communications
- Quality of interaction



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Online References

Inside LinkedIn's New Flagship | WSJ Open Office – YouTube

How To Build an Office: Post-Pandemic – YouTube

The Net Zero series: Sustainable Buildings – YouTube

A Modern Office Design for OKG Holdings | Office Design Singapore | Office Design Interior - YouTube





Sushant
University

School of Design, Sushant University

Odd Semester (August-December) 2024

Students List

Program: B.Des Interior Architecture
Course Name: IA Spatial Studio Design III

Sem: 5
Course Code: 21BIA-7P05

Faculty: Anjali Marwah

Total Number of students enrolled: 22

Student Name	Roll No
Aanchal Tandon	220BDES004
Aashma Dahal	220BDES041
Abir	220BDES039
Anish pahuja	220BDES020
Anushka sharma	220BDES028
Aryan Madaria	220BDES023
Gurnoor Malhotra	220BDES008
Hitika Goyal	220BDES012
Jia Sharma	220BDES035
Mallika Kohli	220BDES037
Mrinalini Gupta	220BDES032
Nitish Sharma	220BDES017
Pari Tyagi	220BDES006
Raamya Singh	220BDES007
Ruhun Thakur	220BDES038
Sachin Kumar	220BDES040
Sanskriti Srivastava	220BDES036
Sanya Panjiyara	220BDES010
Tanisha Galhotra	220BDES003
Yash Mishra	231BDES003
Aashi Jain	231BDES002
Ishba Baig	231BDES001

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School of Design, Sushant University

Group Project – Odd Sem 2024

Program: B.Des

Course Name: IA Spatial Design Studio III

Faculty: Anjali Marwah

Submission Deadline: 29.08.2024

Sem: 5

Course Code: 21BIA- 5P05

Maximum Marks: 10

Course Outcomes

CO1: Develop analytical thinking, conceptualization and the problem inquiry, solution cycle.

CO2: Ability to understand organizations of different types and development of language that is appropriate to the public realm.

CO3: Application of materials and lighting to create specific treatments and environments.

CO4: Ability to express ideas in 2D drawings, 3D forms and views.

Group Project Topic: Research

1. CO2: Ability to understand organizations of different types and development of language that is appropriate to the public realm.

Group Project Guidelines:

To gain a comprehensive understanding of commercial interior design principles and standards through case studies, analysis, and practical application.

1. Case Study Research:

Find and study 3 relevant live case studies of commercial interior design.

Identify and analyse 1 literature case study to understand the theoretical principles and standards of commercial design.

2. Anthropometry and Ergonomics:

Understand and analyze the anthropometry and ergonomics within a given commercial space.

Assess how these factors influence design decisions and user experience in commercial environments.



Anjali Marwah

3. Existing Space Analysis:

Study and analyze an existing commercial space.

- Evaluate this space using parameters discussed in class, such as layout, functionality, aesthetics, and user experience, as discussed in class.

4. Presentation:

Compile your findings, analysis, and insights into A2 size sheets.

Ensure the presentation is clear, well-organized, and visually engaging.

Deliverables:

A1 size sheets that include:

1. Summaries of the 3 live case studies and 1 literature case study.
2. Detailed analysis of anthropometry and ergonomics in the given space.
3. Evaluation of the existing commercial space based on class parameters.
4. Visual aids, diagrams, and sketches to support your analysis and findings.

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School of Design, Sushant University

Individual Assignment – Odd Sem 2024

Program: B.Des-

Course Name: IA Spatial Design Studio III

Faculty: Anjali Marwah

Submission Deadline: 11.11.2024

Sem: 5

Course Code: 21BIA- 5P05

Maximum Marks: 15

Course Outcomes

CO1: Develop analytical thinking, conceptualization and the problem inquiry, solution cycle.

CO2: Ability to understand organizations of different types and development of language that is appropriate to the public realm.

CO3: Application of materials and lighting to create specific treatments and environments.

CO4: Ability to express ideas in 2D drawings, 3D forms and views.

Assignment: 2

Q.1 (CO3 & CO4) Building upon the initial design concept developed in Assignment 1, students are required to further refine and elaborate their commercial design project. This phase focuses on the detailed development of the design, including aesthetics, materials, and practical details.

Design Development:

Colour Palettes: Identify and select appropriate colour schemes that align with the design concept and the intended mood of the space. Ensure the chosen palette enhances the overall atmosphere and user experience.

Materiality: Choose suitable materials for various elements of the interior, considering durability, aesthetics, and functionality. Explain the rationale behind your choices and how they contribute to the design goals.

Sectional Elevations & Interior Details: Develop detailed interior elements, such as wall finishes, flooring, lighting, and textures. These details should be coherent with the overall design concept and enhance the spatial experience. All these details should be clearly visible in number of sectional elevations suggested by faculty.

Design Communication: Clearly articulate your design ideas through visual and verbal communication. Use sketches, renderings, and diagrams to convey your concepts effectively.



R

W. Jaw

Overall Atmospheric and Spatiality: Focus on creating a cohesive atmosphere that reflects the desired ambiance of the space. Consider how spatial organization and design elements interact to form a harmonious environment.

Design Detail:

Finalization of Design Solution: Refine and finalize your design solution, ensuring it addresses the identified design problem and meets the project goals. Focus on the experiential aspects, creating an engaging and functional space.

Layouts for Interior Services: Develop detailed layout plans for interior services such as HVAC, electrical, and plumbing. Ensure these plans are practical and support the overall design.

R

Ravi



School of Design, Sushant University

Individual Assignment – Odd Sem 2023

Program: B.Des

Course Name: IA Spatial Design Studio III

Faculty: Anjali Marwah

Submission Deadline: 07.10.2024

Sem: 5

Course Code: 21BIA-5P05

Maximum Marks: 15

Course Outcomes

CO1: Develop analytical thinking, conceptualization and the problem inquiry, solution cycle.

CO2: Ability to understand organizations of different types and development of language that is appropriate to the public realm.

CO3: Application of materials and lighting to create specific treatments and environments.

CO4: Ability to express ideas in 2D drawings, 3D forms and views.

Assignment: 1

Q.1 (CO1 & CO4) Students need to develop a comprehensive design proposal for a chosen commercial design project. The project should focus on identifying and solving a specific design problem, with clear objectives and goals.

Concept Development:

Identifying the Design Objective: Define the purpose of the design project.

Design Problem: Clearly state the design problem that needs to be addressed. What are the key challenges and issues present in the current commercial space?

Design Goal: Outline the goals you aim to achieve with your design solution.

Mind Map Development: Create a mind map to visually organize and connect the various aspects of your design concept. Include key ideas, themes, and elements that will guide your design process.

Prospective Design Concept: Develop a preliminary design concept based on your mind map. This should be a broad vision of your design solution, highlighting the main ideas and themes.



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Design Explorations:

Mind Map: Expand your mind map to include more detailed ideas and connections.

Exploration of Spatiality: Investigate how space can be used and organized in your design. Consider the flow, layout, and functionality of the space.

Inclusion of Design Programming: Develop a design program that outlines the specific functions and requirements of the space. This should include a detailed description of the activities and uses within the commercial space.

Detailed Concept: Refine your initial design concept into a more detailed and specific proposal. This should include sketches, diagrams, and notes that illustrate your ideas.

Design Brief: Create a detailed design brief that outlines the objectives, problems, goals, and solutions of your project. This should be a comprehensive document that guides your design process.

Supporting Layout Options: Develop multiple layout options that explore different ways of organizing the space. These should be presented in a clear and professional manner, with supporting sketches and diagrams.

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WORKSTATIONS



Open workstations with ample lighting, surrounded by bookshelves and a small pantry, create a bright and functional workspace. Clubs seating placed between windows encourages collaboration and focus.



Salutogenic integrated luxury office

Design Concept

The design concept centers on human well-being intertwined with luxury. By blending nature into the workspace, it fosters empathy and serenity. Given the labor-intensive nature of weddings, the space ensures employee well-being while maintaining a sense of class and elegance that mirrors the bespoke weddings produced, embracing salutogenic design with a refreshing, modern twist.

Demographics

Clientele is India's top 1% of high-net-worth individuals.

Clientele, Top Cities

- 1. Mumbai & Bangalore
- 2. Delhi
- 3. Hyderabad
- 4. Chennai
- 5. Kolkata

Design Considerations



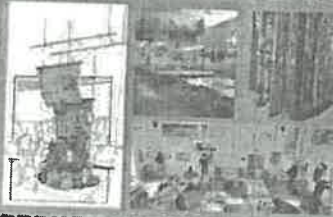
"forever starts here"

AV STUDIO



Designed to maximize windows into the event's theme or landscape, with an exposed ceiling for flexible program and a media library in a room that is also a lounge, with a bar and a fireplace.

WORKSHOP AREA & STUDIO



The studio and work areas are elegantly furnished with minimalist whiteboards, a large screen, and a media library.

PRIVATE CABINS



A private cabin with a bed and a desk, perfect for a quiet retreat.

Health pool /halat pool/

A health pool with a hot tub, perfect for relaxation and rejuvenation.



nature nook

A nature nook with a bench and a fire pit, perfect for relaxation and rejuvenation.

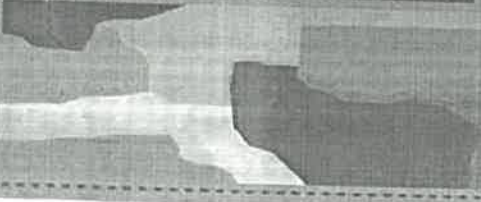
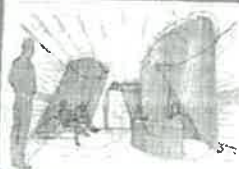


the palette

A color palette that is both modern and timeless, perfect for a sophisticated interior.

vendor stalls

Flexible stalls that are easy to move and rearrange, perfect for a versatile interior.

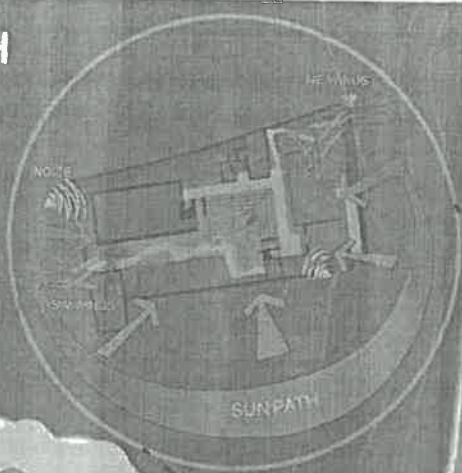


OASIS BY STUDIO SARANSH

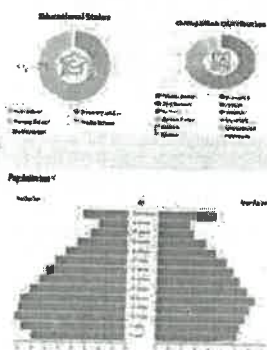
Behind Aagman Party Plot Shiraj, Road,
Rancharda, Ahmedabad, Gujarat 380058

23 05 N, 72 45 E

Area: 455 m sq.

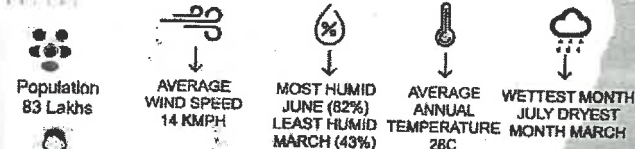
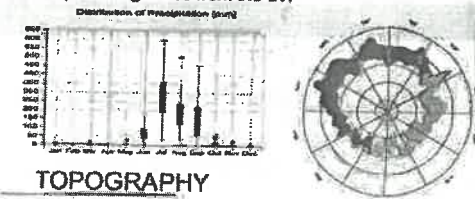


DEMOGRAPHIC DATA

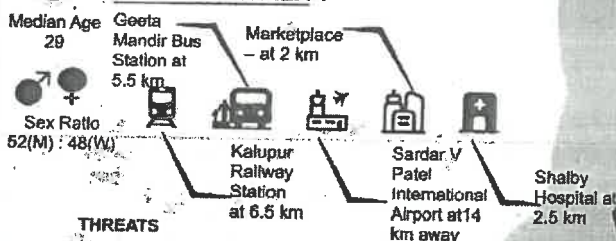


CLIMATIC ANALYSIS:

Micro Climate: Hot and Humid
Sun Path: Adequate sun exposure is available in the site
Winds: Sea breezes from SE direction trade within from the NE prevailing winds from the SW



ACCESSIBILITY



STRENGTHS

Surrounded by greenery and scenic landscape, the site offers a serene environment that enhances indoor-outdoor living. Its location among low-rise buildings ensures clear views, ample natural light, and easy accessibility.

WEAKNESSES

Proximity to other buildings may lead to potential noise disturbances, reducing the sense of privacy. The surrounding landscape, while beautiful, may require extensive maintenance, particularly during seasonal changes.

THREATS

Being situated near busy roads could lead to increased noise and traffic congestion, potentially affecting the overall experience. Additionally, urban development around the site could compromise its natural surroundings, diminishing its unique appeal over time.

OPPORTUNITY

The site's natural features, coupled with its accessibility from major roads, make it ideal for eco-conscious projects and events. Its location is a moderately populated area offers a balance between peacefulness and convenient access to urban amenities.

TRAFFIC ANALYSIS



HYDROLOGY

Land of the Oasis site features a gentle slope of 67-68m that facilitates effective drainage, ensuring proper water runoff during rainfall. This natural gradient enhances the site's sustainability by minimizing erosion and promoting a healthy landscape.

SITE CONTEXT

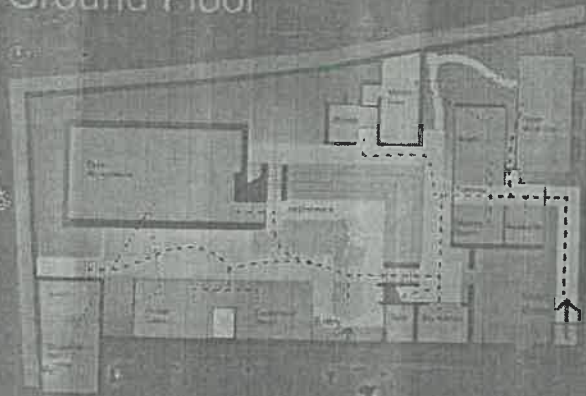
Surrounded by low-rise residential buildings primarily housing middle-income families, alongside small businesses like local cafes and grocery stores that cater to everyday needs. The area is home to diverse religious communities, including Hindu temples, mosques, and churches, reflecting a rich cultural diversity and promoting inclusivity among various social groups.

Calm otherwise, road near Studio Saransh experiences significant traffic congestion during peak hours, primarily due to a high volume of vehicles. Approximately 60% of commuters rely on personal transport, while 40% utilize public transportation, highlighting a notable preference for private vehicles among pedestrians and drivers alike.

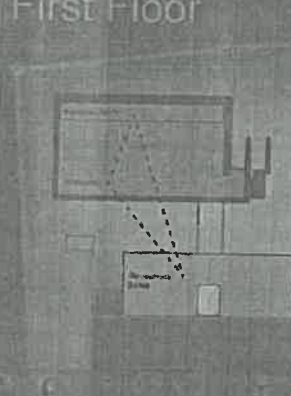
CONTOUR LINES
67-70M

ZONING DIAGRAMS

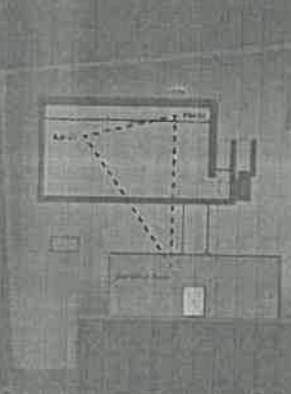
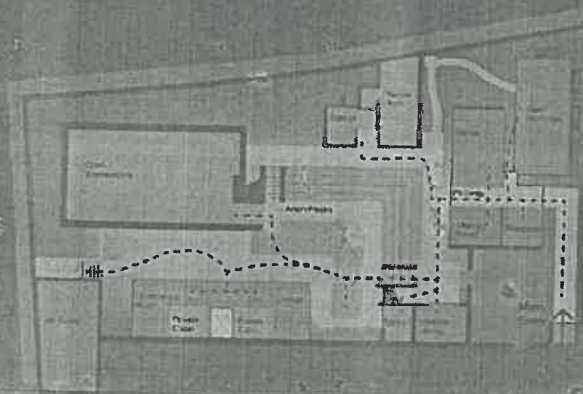
Ground Floor



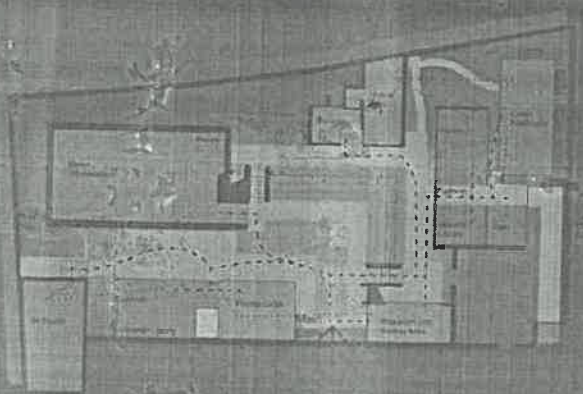
First Floor



Iteration 1



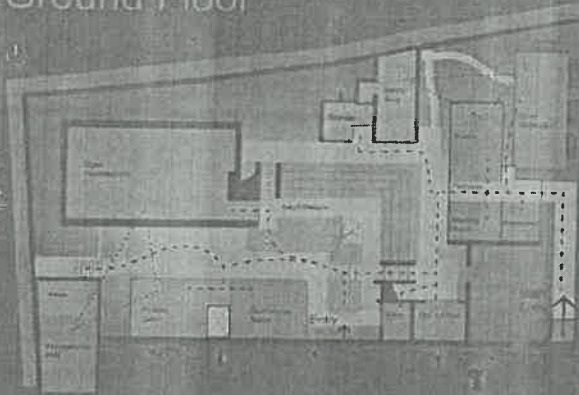
Iteration 2



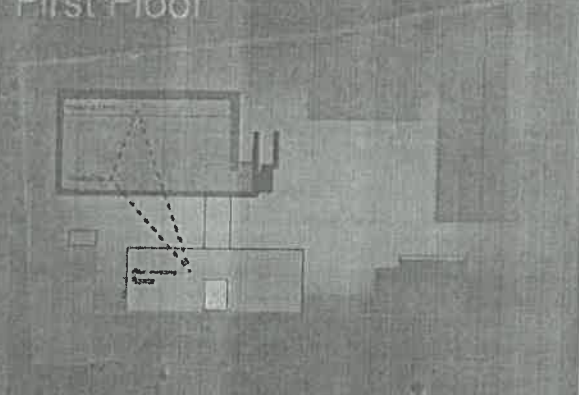
Iteration 3

ZONING DIAGRAMS

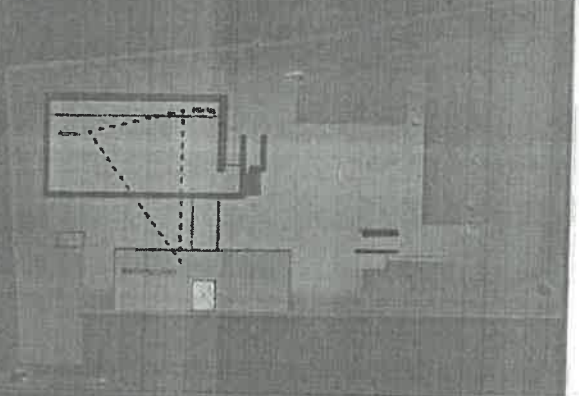
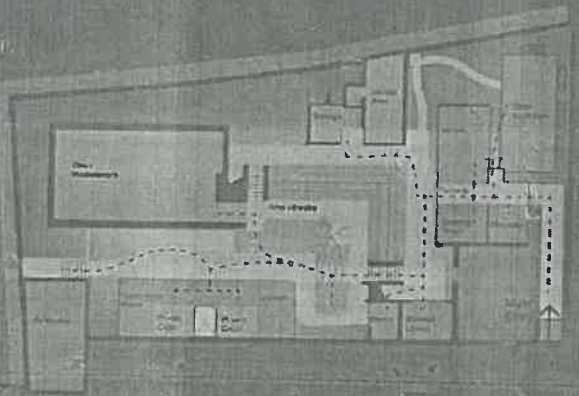
Ground Floor



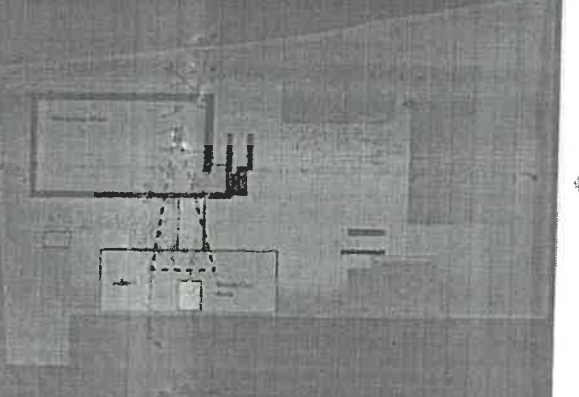
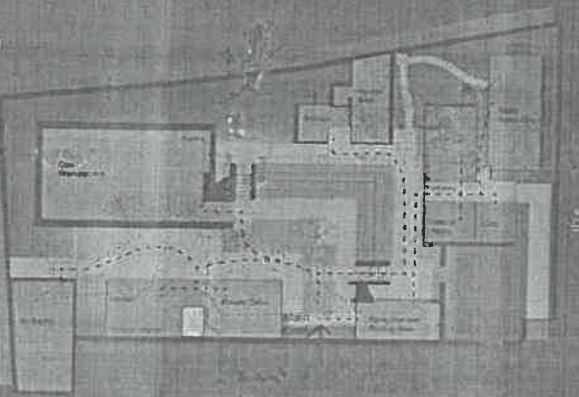
First Floor



Iteration 1



Iteration 2



Iteration 3

SCHOOL OF DESIGN**Sushant**
University**Midterm Marks****Subject code - 21BIA-5P05****Subject Name - IA Spatial Design Studio III**

S.No.	Enrollment No.	Student Name	Marks Obtained (Out of 15)
1	220BDES004	Aanchal Tandon	-
2	220BDES041	Aashma Dahal	11
3	220BDES039	Abir	11
4	220BDES028	Anushka sharma	11
5	220BDES023	Aryan Madaria	8
6	220BDES008	Gurnoor Malhotra	13
7	220BDES012	Hritika Goyal	13
8	220BDES035	Jia Sharma	14
9	220BDES037	Mallika Kohli	14
10	220BDES032	Mrinalini Gupta	14.5
11	220BDES017	Nitish Sharma	-
12	220BDES006	Pari Tyagi	14
13	220BDES007	Raamya Singh	14
14	220BDES038	Ruhun Thakur	10
15	220BDES036	Sanskriti Srivastava	-
16	220BDES010	Sanya Panjiyara	11
17	220BDES003	Tanisha Galhotra	8
18	231BDES003	Yash Mishra	12.5
19	231BDES002	Aashi Jain	12
20	231BDES001	Ishba Baig	8



ANNEXURE-II

School of Design, Sushant University

Course Title: IA Spatial Design Studio III

Semester: 5

Course Code: 21BIA-5P05

Course Faculty: Anjali Marwah

Programme: Interior Architecture

Sir/Madam,

Following students mentioned in the list are identified as Slow learner/Advanced learner based on guidelines issued by IQAC after second assessment (declaration of Mid-term marks).

S.No	Name of the student	Roll No
1.	Aanchal Tandon	220BDES004
2.	Sanskriti Srivastava	220BDES036
3.	Nitish Sharma	220BDES017

Signature of Course Coordinator/Faculty

Programme Coordinator

Dean



14/10/2024 - 18/10/2024

INTERIOR ARCHITECTURE, SEMESTER 5									
9:10 AM - 10:00 AM	10:05 AM - 10:55 AM	11:00 AM - 11:50 AM	11:55 AM - 12:45 PM	12:45 PM - 1:25 PM	1:25 PM - 2:15 PM	2:20 PM - 3:10 PM	3:15 PM - 4:05 PM	4:10 PM - 5:00 PM	
21BIA-SP03	21BIA-SP05	21BIA-SP01	21DEL-SP15/ 21DEL-SP18		21BIA-SP02	21BIA-SP04	21DEL-SP17/ 21DEL-SP14		
Building Systems III	IA Spatial Design Studio III	Form, Structure & Materials III	Lifestyle Products / Human Factors & Experience III		Fundamentals of BIM	Modern Art, Architecture & Design I	Interior Styling III/ Display Design		
Deependra S Rawat	Anjali Marwah	Keerti Mishra	Tajinder Kaur Anand/ Mannat Abrol		Anand M Bajpai	Mareena Thomas	Mareena Thomas/ Sombit Mukherjee		
VF0241	AU0485	SU1051	SU0718/ SU0919		SU0918	AU0624	AU0624/ SU0833		
21BIA-SP03	21BIA-SP05	21BIA-SP01	21DEL-SP15/ 21DEL-SP18		21BIA-SP02	21BIA-SP04	21DEL-SP17/ 21DEL-SP14		
Building Systems III	IA Spatial Design Studio III	Form, Structure & Materials III	Lifestyle Products / Human Factors & Experience III		Fundamentals of BIM	Modern Art, Architecture & Design I	Interior Styling III/ Display Design		
Deependra S Rawat	Anjali Marwah	Keerti Mishra	Tajinder Kaur Anand/ Mannat Abrol		Anand M Bajpai	Mareena Thomas	Mareena Thomas/ Sombit Mukherjee		
VF0241	AU0485	SU1051	SU0718/ SU0919		SU0918	AU0624	AU0624/ SU0833		
21BIA-SP03	21BIA-SP05	21BIA-SP01	21DEL-SP15/ 21DEL-SP18		21BIA-SP02	21BIA-SP04	21DEL-SP17/ 21DEL-SP14		
Building Systems III	IA Spatial Design Studio III	Form, Structure & Materials III	Lifestyle Products / Human Factors & Experience III		Fundamentals of BIM	Modern Art, Architecture & Design I	Interior Styling III/ Display Design		
Deependra S Rawat	Anjali Marwah	Keerti Mishra	Tajinder Kaur Anand/ Mannat Abrol		Anand M Bajpai	Mareena Thomas	Mareena Thomas/ Sombit Mukherjee		
VF0241	AU0485	SU1051	SU0718/ SU0919		SU0918	AU0624	AU0624/ SU0833		
21BIA-SP03	21BIA-SP05	21BIA-SP01	21DEL-SP15/ 21DEL-SP18		21BIA-SP02	21BIA-SP04	21DEL-SP17/ 21DEL-SP14		
Building Systems III	IA Spatial Design Studio III	Form, Structure & Materials III	Lifestyle Products / Human Factors & Experience III		Fundamentals of BIM	Modern Art, Architecture & Design I	Interior Styling III/ Display Design		
Deependra S Rawat	Anjali Marwah	Keerti Mishra	Tajinder Kaur Anand/ Mannat Abrol		Anand M Bajpai	Mareena Thomas	Mareena Thomas/ Sombit Mukherjee		
VF0241	AU0485	SU1051	SU0718/ SU0919		SU0918	AU0624	AU0624/ SU0833		
21BIA-SP03	21BIA-SP05	21BIA-SP01	21DEL-SP15/ 21DEL-SP18		21BIA-SP02	21BIA-SP04	21DEL-SP17/ 21DEL-SP14		
Building Systems III	IA Spatial Design Studio III	Form, Structure & Materials III	Lifestyle Products / Human Factors & Experience III		Fundamentals of BIM	Modern Art, Architecture & Design I	Interior Styling III/ Display Design		
Deependra S Rawat	Anjali Marwah	Keerti Mishra	Tajinder Kaur Anand/ Mannat Abrol		Anand M Bajpai	Mareena Thomas	Mareena Thomas/ Sombit Mukherjee		
VF0241	AU0485	SU1051	SU0718/ SU0919		SU0918	AU0624	AU0624/ SU0833		

Draw

Sushant
University
soaring high

Semester: V
Faculty Name: _____
Date: 14/10/24 - 18/10/24

[illegible]

A

Know

Sushant
University
nurturing talent

Program/Batch: Interior Architecture
Course Code: Z1BIA-SP05
Course Title: IA Spatial Design Studio III

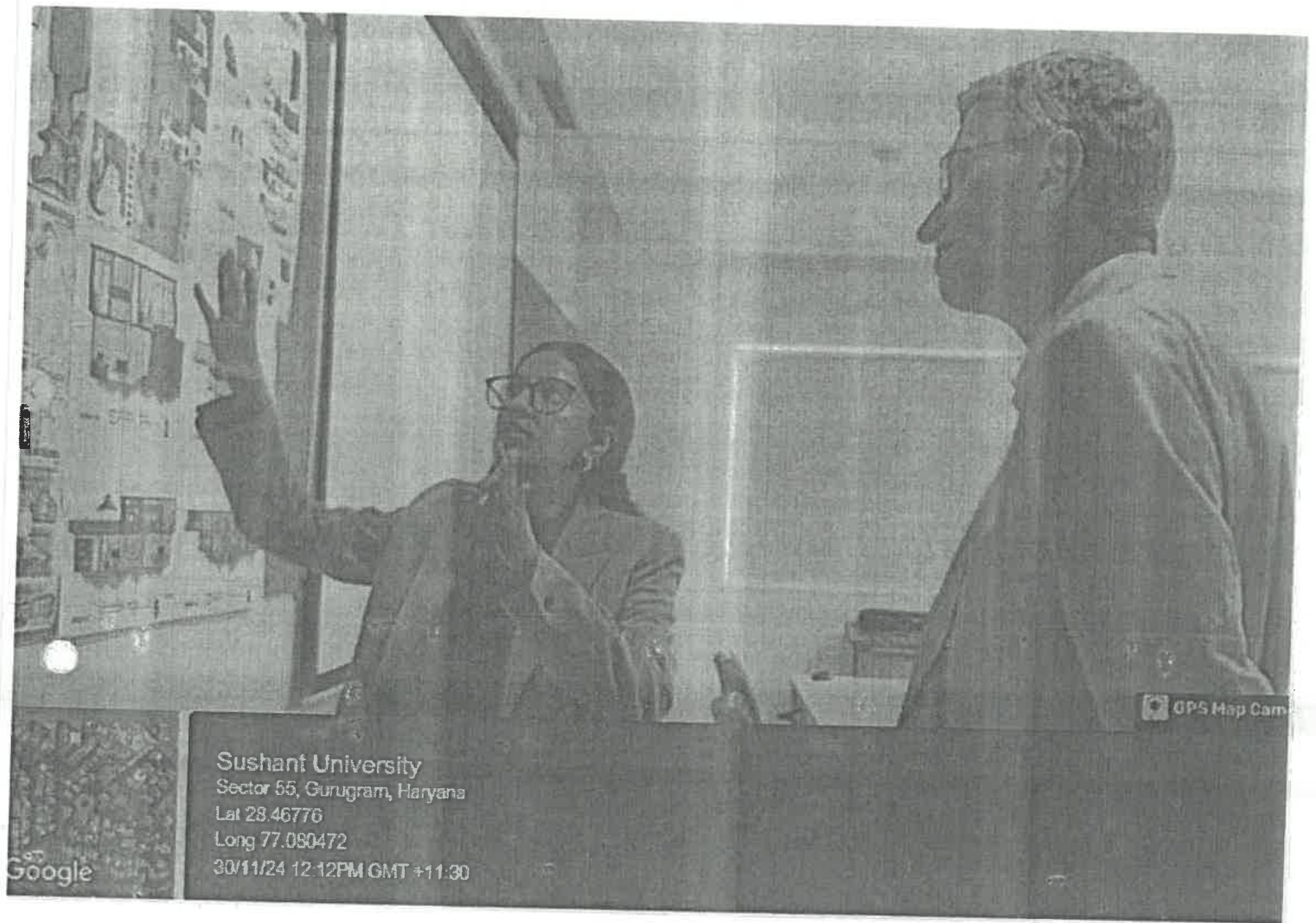
Semester: 5
Faculty Name: Anjali Marwah

[illegible]

Faculty Signature: _____



Brown



Sushant University
Sector 55, Gurugram, Haryana
Lat 28.46776
Long 77.080472
30/11/24 12:12PM GMT +11:30

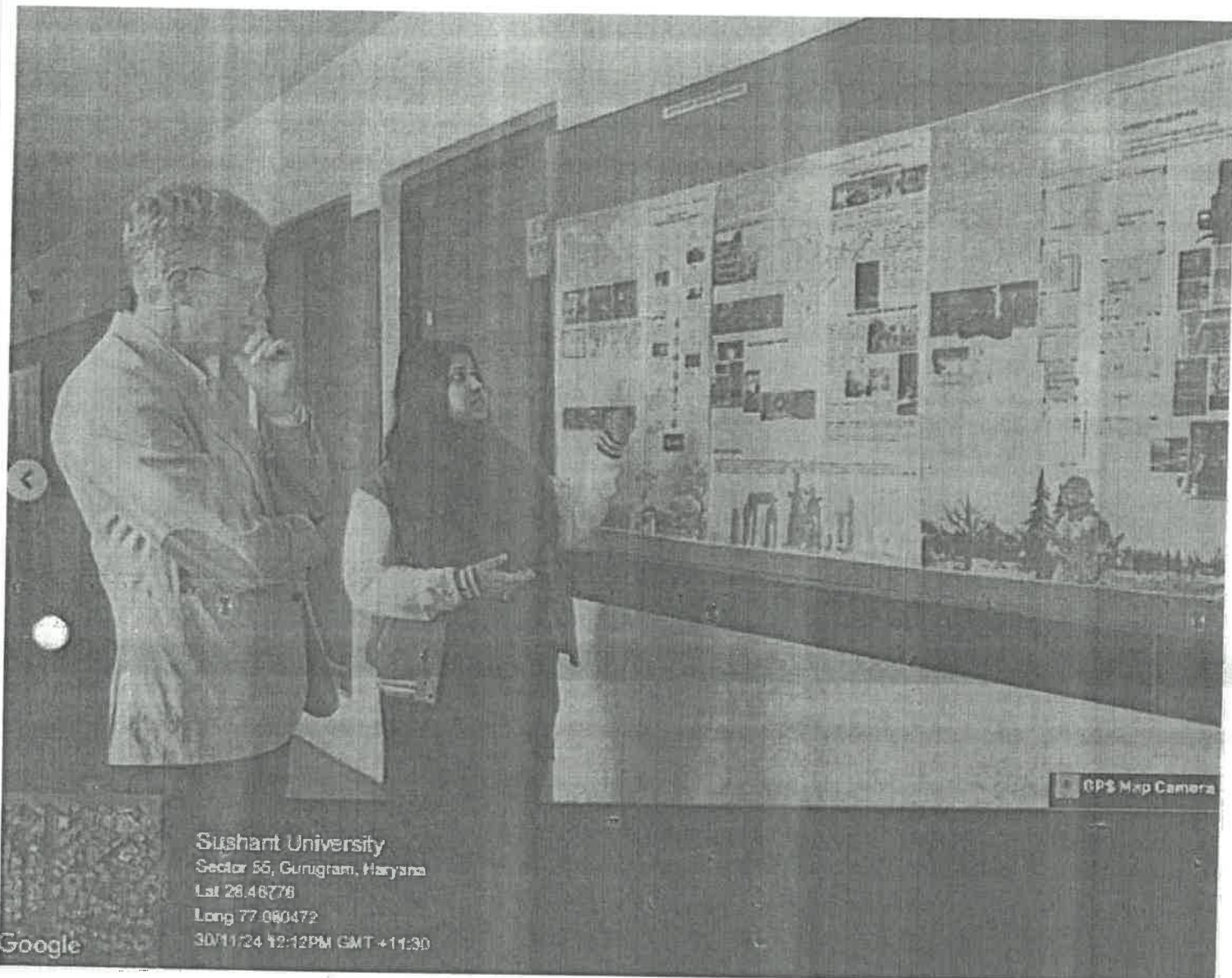
GPS Map Cam

Google

[Handwritten signature]

[Handwritten signature]





RP

Brown



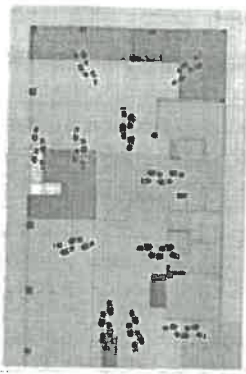
Timeless Elegance: Matrimonial Office

shaadi

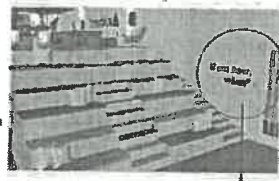
A design solution for a matrimonial corporate office that reflects the company's values, fosters a professional and welcoming environment for clients and employees alike. The office will serve as the headquarters for a leading matrimonial services provider, catering to individuals seeking life partners.

Proof of Advance Learning

- Entry
- Break area
- Staircase
- Cafeteria & break out zone
- Informal work space
- Restroom
- Lift
- Meeting room
- Electrician
- Phone booth
- Board Room
- CEO's Cabin
- Reception & Waiting area
- BFSI Room
- Workstations
- Garden Strip



ZONING



If not now, when?

WALL SIGNAGES

CLIENT REQUIREMENTS

DISCUSSION SPOTS

MOOD



DESIGN TRANSLATION



WORKSPACE 3D VIEW

BREAK AREAS

MEETING ZONE

Breakout Zone

WORKSPACE



breakout

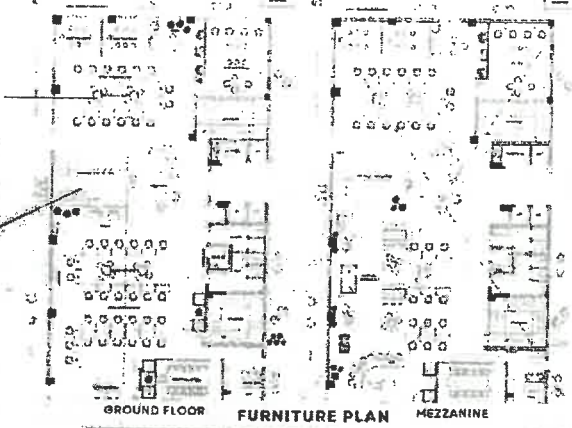
Second Floor, Deluxe House, B-50, Veera Desai Road, Andheri West, Mumbai, Maharashtra-400053
800sq. ft.

Approach/ Accessibility

- 7 minutes from Andheri West Metro Station
- 2 minutes from Monginis Bus Stop
- 27 minutes from Chhatrapati Shivaji Maharaj International Airport
- Falls on the Main Road

Landmark

The Little India, Mumbai



GROUND FLOOR

FURNITURE PLAN

MEZZANINE



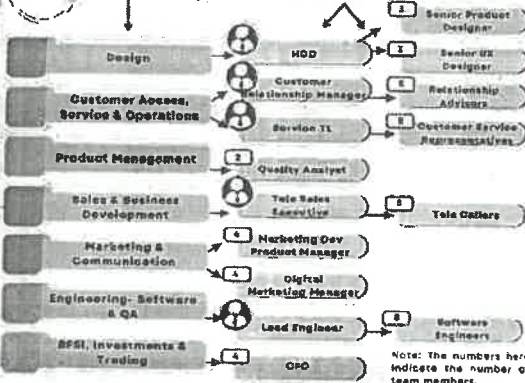
GROUND FLOOR

FLOORING PLAN

MEZZANINE

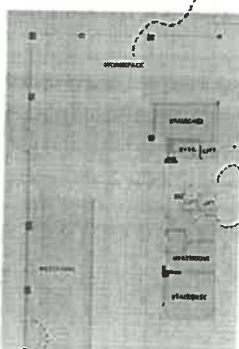
CEG DEPARTMENTS

TEAM MEMBERS- NO



CLIENT BRIEF

Open plan style layout

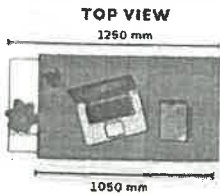


- Opportunity for creating collaborative spaces- Informal meeting areas, interactive displays for brainstorming sessions
- Important to consider privacy and acoustics
- Need for separate areas/partitions for meetings or focused work
- Space for wrap around garden
- Opportunity for extended meeting spaces/ workstations with no permanent structure
- Restrooms in front of the workplace
- Spaces can be planned in such a way that there is no direct view to the restroom
- Merits
- Open plan layout promotes productivity and collaboration
- Flexibility to reconfigure the layout
- Glass facade: Ample natural light
- Walk around garden would act as the perfect brainstorming or meeting place since greenery increases productivity
- Mezzanine provides an additional square footage without need for structural changes
- Demerits
- Invasion of privacy
- Positioning of restrooms

SITE ANALYSIS

WORKSTATION

DETAILS

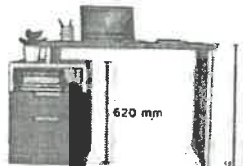


TOP VIEW

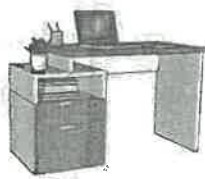


SIDE ELEVATION

FRONT ELEVATION



3D VIEW



FEATURES

- Abundant Storage
- Clean lines
- Rich combination of classic walnut and frosty white finish

MATERIAL

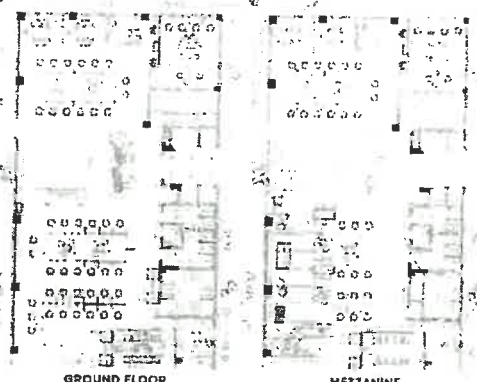
- Engineered Wood- Particle Board



Sustainably sourced Easy Maintenance Long Lasting



Drop LED Tube Focus Light Surface Mounted Lights



GROUND FLOOR

MEZZANINE

LIGHTING & RCP

CEO'S CABIN

- Carpet flooring for CEO's Cabin & Conference room
- Privacy & Acoustics
- Glass facade
- Abundance of natural light
- Garden sitting



LONG, NARROW FENESTRATION DESIGN

- Natural light
- Improved focus
- Connection with outdoors
- Energy efficiency
- Aesthetics & Design
- Health benefits



BIOPHELIC GREEN SPACE

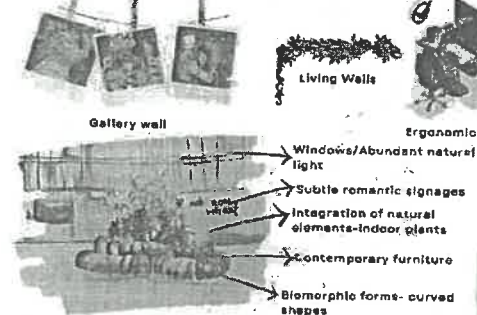


PHONETHS

SIT- STAND DESKS



CONFERENCE ROOM VIEWS

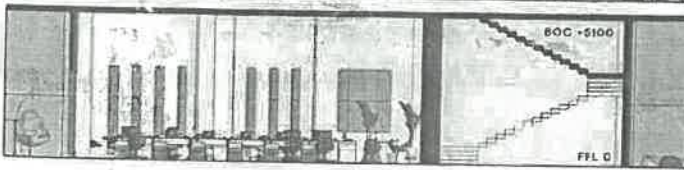


WRAP AROUND GARDEN SEATING

- Increased productivity
- Stress reduction
- Enhanced aesthetics
- Noise reduction

CONCEPT

SECTION VIEWS



MEZZANINE

- Red- love, emotion, passion & desire, associated with auspiciousness of a "traditional Indian shadi"
- Mauve- Sense of trust/energy
- Blue- fidelity & Loyalty
- White- Purity & Sanctity
- Pink- Everlasting/unconditional love
- Green- Biophilic

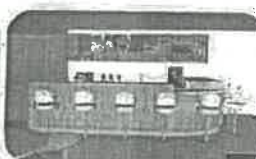
BOC +5100

MEZZANINE +2700

FFL 0

RECREATION ZONE

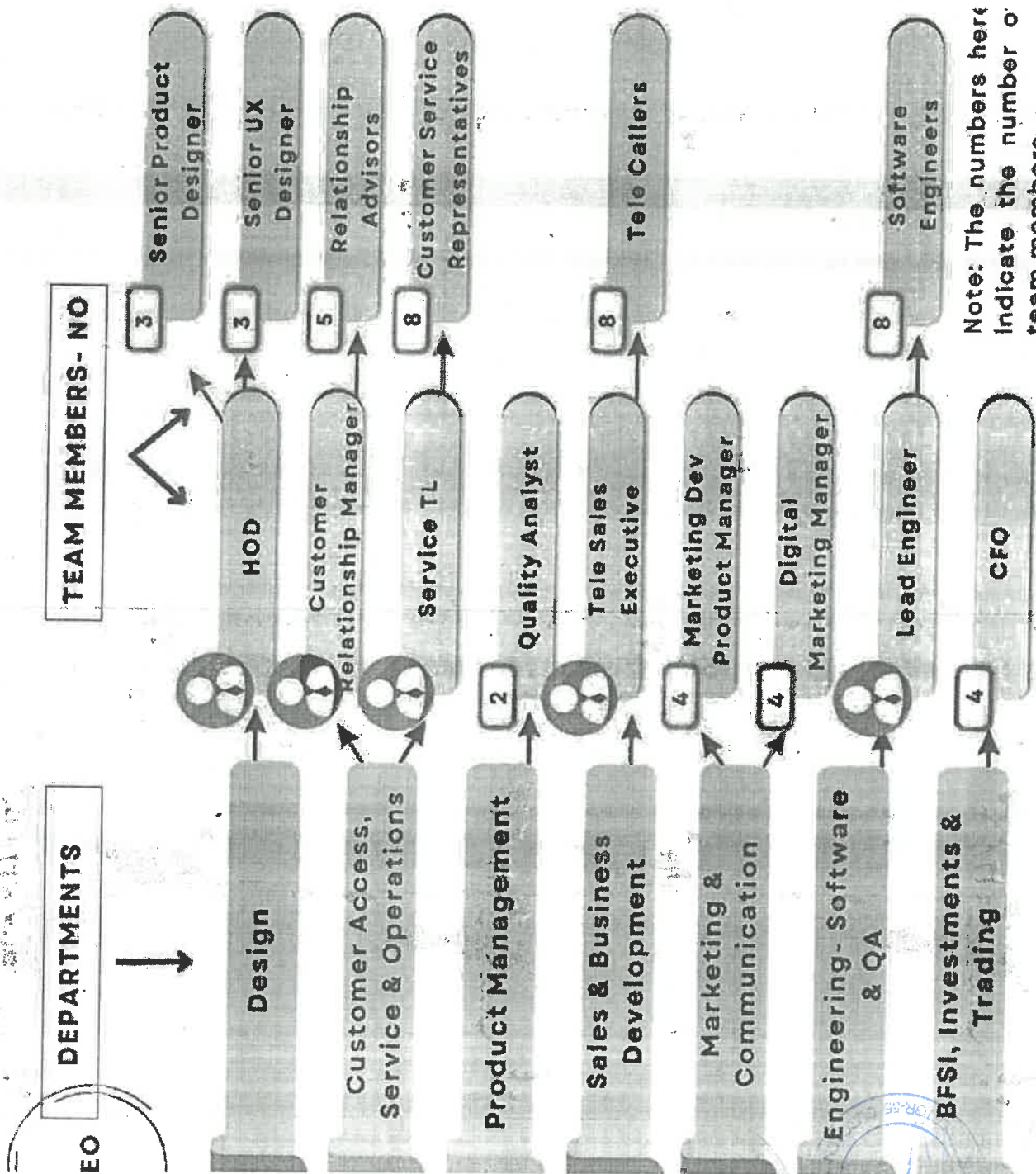
- Dedicated space to relax and unwind
- Physical activity & mental stimulation
- Fosters sense of camaraderie & further enhances team building & collaboration
- Work-life balance, refreshments



BREAK



FLOORING PLAN



Note: The numbers here indicate the number of team members.

Sub Code	21BIA-SP01	21BIA-SP02	21BIA-SP03	21BIA-SP04	21BIA-SP05	21DEL-SP14	21DEL-SP15	21DEL-SP17	21DEL-SP18	21MOOC-SP01	TDCC	TDCC Code
Subject Name	Form. Structure & Materials III	Fundamentals of BIM	Building Systems III	Modern Art, Architecture & Design I	IA Spatial Design Studio III	Display Design	Lifestyle Products I	Interior Styling III	Human Factors & Experience III	Concept Designing	TDCC	TDCC Code
SCPA	2	3	2	2	6	3	3	3	3	2	2	
Exm Name	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade
EP	51 C	40 D	68 B	47 D	51 C	75 A	51 C			78 A	0 F	TDCC4A05
IDE5003	External	31	27	45	35	45	25					Client and Scriptwriting: From Screen to Script
	Internal	20	13	12	16	30	26					
	EP	42 D	0 F	68 B	47 D	73 B+	51 C			78	0	
IDE5004	External	25			41 D					75 A	75 A	TDCC4A02
	Internal	17	0		41	45	25					Implementation of FSSAI & HACCP in the Hospitality Industry
	EP	80 A	74 B+	90 A+	93 A+	28	26					
IDE5006	External	48	42	55	57		82 A	95 O		75	44	TDCC4A03
	Internal	32	32	35	37		53	57		80	48	Site Design and Improvement
	EP	80 A+	86 A+	90 A+	94 A+	87 A+	88 A+			85 A+	85 A+	
IDE5007	External	54	53	55	56	52	56				34	Site Design and Improvement
	Internal	36	33	35	38	35	32			85	51	
	EP	82 A	61 B	86 A+	85 A+	91 A+				85 A+	66 B	TDCC4A05
IDE5008	External	50	36	53	55	56					29	Client and Scriptwriting: From Screen to Script
	Internal	32	24.5	33	36	35				85	37	
	EP	70 B+	23 F	73 B+	72 B+	84 A	83 A			84 A	79 A	TDCC3A01
IDE5010	External	42	47	47	50	50	55				30	Spiritual Heritage Conservation
	Internal	28	23	26	30	34	28			84	49	
	EP	83 A	70 B+	84 A	90 A+					83 A	80 A	TDCC3A01
IDE5012	External	50	41	52	55							Spiritual Heritage Conservation
	Internal	33	29	32	35					83	50	
	EP	20 F	40 D	20 F	82 A	82 A	52 C			80 A	77 A	TDCC3A01
IDE5017	External	10	31	20	50	52	25				29	Spiritual Heritage Conservation
	Internal	10	9	20	32	30	27			80	48	
	EP	12 F	53 C	71 B+	88 A+	68 B	47 D			75 A	68 B	TDCC3A01
IDE5023	External	7	32	46	53	40	25				20	Spiritual Heritage Conservation
	Internal	5	21	25	35	28	22			75	48	
	EP	93 A+	69 B	82 A	90 A+	81 A	81 A			80 A	84 A	TDCC4A03
IDE5028	External	56	42	51	55		53				34	Site Design and Improvement
	Internal	37	27	31	35		28			80	50	

Handwritten signature: *Pranav*

Date: 9/1/25

Page 1 of 2

Controller of Examinations

SUSHANT UNIVERSITY, SECTOR - 55, GURUGRAM
End Sem (I) Examination: Regular (December, 2024)
B.Des (IA) Semester-5

Sub Code	Subject Name	21BIA-SP01	21BIA-SP02	21BIA-SP03	21BIA-SP04	21BIA-SP05	21DEL-SP14	21DEL-SP15	21DEL-SP17	21DEL-SP18	21MOOC-3P01	TDC	TDC Code
Student Roll Number	Student Name	Form, Structure & Materials III	Fundamentals of BIM	Building Systems III	Modern Art, Architecture & Design I	IA Spatial Design Studio III	Display Design	Lifestyle Products I	Interior Styling II	Human Factors & Experience III	Concept Designing	TDC	TDC Title
Total Credit Point (25)	SGPA	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade	Marks	Grade
IBDES082	Mithalini Gupta	8.920	External 53	86 A+	86 A+	54	56	91 A+		87 A+	85 A+	84 A	Spiritual Heritage Conservation
			Internal 33			34	35			53			
IBDES095	Ila Sharma	8.120	External 54	53	53	78 A	88 A+	85 A+		87 A+	83 A	81 A	
			Internal 35							34			
IBDES096	Sanskriti Srivastava	5.040	External 36	60 B	47 D	59 B	95	65 B	78 A	83	80 A	50	Spiritual Heritage Conservation
			Internal 24			45		38					
IBDES097	Mallika Kohli	7.720	External 75 A	49 D	80 A	88 A+	79 A	81 A	88 A+		80	30	Basics of Cryptography
			Internal 45					53			82 A	77 A	
IBDES098	Ruhun Thakur	7.240	External 39	28	80 A	70 B+	88 A+	78 A	53		82	46	Spiritual Heritage Conservation
			Internal 26					48			82 A	81 A	
IBDES099	Abh Bakht	8.320	External 82 A	89 A	86 A+	76 A	87 A+	89 A+	30		82	50	Spiritual Heritage Conservation
			Internal 50			53		55			84 A	70 B+	
IBDES041	Aashma Bahl	8.000	External 75 A	72 B+	86 A+	86 A+	35	34	88 A+		84	22	MSME Production Skillset
			Internal 45			53		81 A			79 A	88 A+	
IBDES001	Ishita Baig	2.200	External 34	0 F	23 F	20 F	8 F	51 C	35		79	48	Visual Photography
			Internal 22								70 B+	75 A	
IBDES002	Aashi Jain	8.440	External 88 A+	84 A	88 A+	83 A		81 A	31		70	30	Spiritual Heritage Conservation
			Internal 53			54					79 A	45	
IBDES003	Yash Mishra	8.480	External 83 A	80 A	77 A	87 A+		28	53		79	52	Skills of Photography
			Internal 50			43		86 A+	91 A+		81 A	21 B+	
			Internal 33			34		55	36		81	30	Restaurant Operations

[Signature]
 9/11/25
 Controller of Examinations



[Signature]

Page 2 of 2

Annexure IV

SCHOOL OF DESIGN

Course Title: IA Spatial Design Studio III

Semester: V

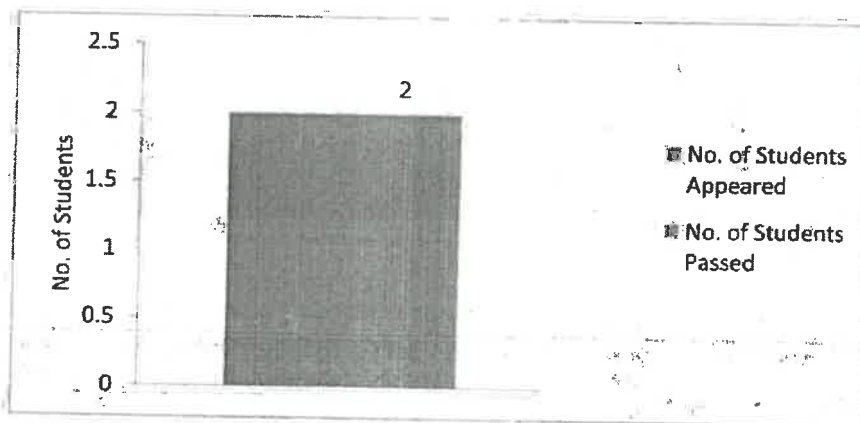
Course Code: 21BIA-5P05

Course Faculty: Anjali Marwah

Programme: Interior Architecture

RESULT ANALYSIS

Sr. No.	Name of the Student	Marks Obtained
01	Aanchal Tandon	41
02	Sanskriti Srivastava	40
03	Nitish Sharma	Debarred



Signature of Course Coordinator/Faculty

Programme Coordinator

Dean

SUSHANT UNIVERSITY								
School of Design								
Assignment I (Odd Semester 2024-25)								
Program:	Interior Architecture		Semester :V	Course Name: IA Spatial Design		Assignment Date: 7.10.2024		
Course Code:	21BIA-5P05		Studio III	Faculty Name: Anjali Marwah				
S. No.	Enrolment No.	Student Name	Batch No	Question 1 (5 marks)	Question 2 (10 marks)	Attainment		Total Marks (15)
				CO1	CO4	CO-1 (5 marks)	CO-4 (10marks)	
1	220BDES004	Aanchal Tandon	2022-26	2	4	2	4	6
2	220BDES041	Aashma Dahal	2022-26	4	7	4	7	11
3	220BDES039	Abir	2022-26	4	7	4	7	11
4	220BDES028	Anushka sharma	2022-26	4	7	4	7	11
5	220BDES023	Aryan Madaria	2022-26	3	5	3	5	8
6	220BDES008	Gumoor Malhotra	2022-26	4.5	8	4.5	8	12.5
7	220BDES012	Hritika Goyal	2022-26	4	8	4	8	12
8	220BDES035	Jia Sharma	2022-26	4.5	9	4.5	9	13.5
9	220BDES037	Malika Kohli	2022-26	4	7	4	7	11
10	220BDES032	Mrinalini Gupta	2022-26	4.5	9.5	4.5	9.5	14
11	220BDES017	Nitish Sharma	2022-26	2	4	2	4	6
12	220BDES006	Pari Tyagi	2022-26	4	8.5	4	8.5	12.5
13	220BDES007	Reanya Singh	2022-26	4.5	8.5	4.5	8.5	13
14	220BDES036	Rohan Thakur	2022-26	3	5	3	5	8
15	220BDES036	Sanskriti Srivastava	2022-26	2	4	2	4	6
16	220BDES010	Sanya Panjiyara	2022-26	4	7	4	7	11
17	220BDES003	Tanisha Gahotra	2022-26	2	4	2	4	6
18	231BDES003	Yash Mishra	2022-26	4	8	4	8	12
19	231BDES002	Aashi Jain	2022-26	4	8	4	8	12
20	231BDES001	Ishba Baig	2022-26	2	4	2	4	6
Total Students				20				
Average				3.6		6.63		10.13
Total Students Appeared in Assignment 1 (N)				20				
Number of students scored average% and above marks (P)				13				
CO attainment (P/N)*100				65.00%		65.00%		

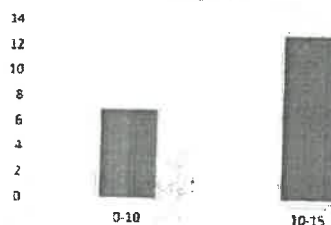
Average Marks	Max Marks	Min. Marks	Std Deviation	Less than 40%
10	14	6	2.85	0.00%

Students Marks	0-10	10-15	
Assignment	7	13	

Assessment	Attainment Levels	
Assignment	Level1	Less than 50% students scoring more than average% marks.
	Level2	50% to less than 60% students scoring more than average % marks.
	Level3	more than 60% students scoring more than average % marks in internal assessment tools

CO Attainment Level	
COs	Attainment Level
CO1	Level 3
CO4	Level 3

Assignment



Signature

SUSHANT UNIVERSITY

School of Design

Assignment II (Odd Semester 2024-25)

Program: Interior Architecture	Semester : V		Assignment Date: 03.12.2024					
Course Code: 21BIA-SP05	Course Name: IA Spatial Design Studio III		Faculty Name: Anjali Marwah					
S. No.	Enrolment No.	Student Name	Batch No	Q1 (5Marks) CO3	Q2 (5Marks) CO4	Attainment CO3 (7.5) CO4 (7.5)		Total Marks (10)
1.	220BDES004	Aanchal Tandon	2022-26	AB	AB	AB	AB	0
2	220BDES041	Aashma Dahal	2022-26	1	2	1	2	3
3	220BDES039	Abir	2022-26	3	2	3	2	5
4	220BDES028	Anushka sharma	2022-26	4	3	4	3	7
5	220BDES023	Aryan Madaria	2022-26	1	1	1	1	2
6	220BDES008	Gurnoor Malhotra	2022-26	1.5	1.5	1.5	1.5	3
7	220BDES012	Hitika Goyal	2022-26	3	4	3	4	7
8	220BDES035	Jia Sharma	2022-26	1	4	1	4	5
9	220BDES037	Malika Kohli	2022-26	1	4	1	4	5
10	220BDES032	Mrinalini Gupta	2022-26	4	4.5	4	4.5	8.5
11	220BDES017	Nitish Sharma	2022-26	AB	AB	AB	AB	0
12	220BDES006	Pari Tyagi	2022-26	4.5	4.5	4.5	4.5	9
13	220BDES007	Raamya Singh	2022-26	4.5	4.5	4.5	4.5	9
14	220BDES031	Rishu Thakur	2022-26	2	2	2	2	4
15	220BDES036	Sanskriti Srivastava	2022-26	2	2	2	2	4
16	220BDES010	Sanya Panjyara	2022-26	1.5	1.5	1.5	1.5	3
17	220BDES003	Tanisha Galhotra	2022-26	1	1	1	1	2
18	231BDES003	Yash Mishra	2022-26	4	3.5	4	3.5	7.5
19	231BDES002	Aashi Jain	2022-26	3.5	3.5	3.5	3.5	7
20	231BDES001	Ishiba Baig	2022-26	AB	AB	AB	AB	0
Total Students						20	20	20
Average						2.8	2.852941176	4.55
Total Students Appeared in Assignment II (N)						17	17	17
Number of students scored average% and above marks (P)						8	9	17
CO attainment (P/N)*100						60.00%	52.94%	

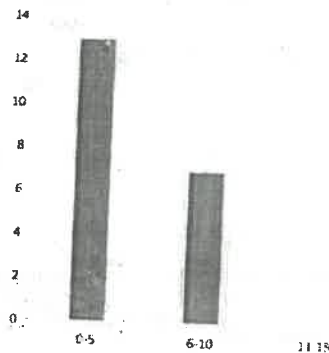
Average Marks	Max Marks	Min. Marks	Std Deviation	Less than 40%	More than 90%
5	9	0	2.88	76.47%	0.0%

Students Marks	0-5	6-10	11-15
Mid-term	13	7	0

Assessment	Attainment Levels	
Mid-term	Level1	Less than 50% students scoring more than average% marks.
	Level2	50% to less than 60% students scoring more than average % marks.
	Level3	more than 60% students scoring more than average % marks in internal assessment tools

CO Attainment Level	Attainment Level
COs	Level 3
CO3	Level 3
CO4	Level 2

Mid-term



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School of Design

Mid-Term Examination (Odd Semester 2024-25)

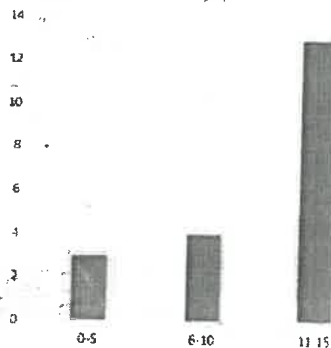
Program: Interior Architecture		Semester :V		Assignment Date: 11.11.2024				
Course Code:	21BIA-SP05	Course Name: IA Spatial Design Studio III		Faculty Name: Anjali Marwah				
S. No.	Enrolment No.	Student Name	Batch No	Q1 (7.5Marks)	Q1 (7.5Marks)	Attainment		Total Marks (15)
				CO3	CO4	CO3 (7.5)	CO4 (7.5)	
1	220BDES004	Aanchal Tandon	2022-26	AB	AB	AB	AB	0
2	220BDES041	Aashma Dahal	2022-26	5	6	5	6	11
3	220BDES039	Abir	2022-26	5	6	5	6	11
4	220BDES028	Anushka sharma	2022-26	5	6	5	6	11
5	220BDES023	Aryan Madaria	2022-26	4	4	4	4	8
6	220BDES008	Gurnoor Malhotra	2022-26	6	7	6	7	13
7	220BDES012	Hritika Goyal	2022-26	7	6	7	6	13
8	220BDES035	Jie Sharma	2022-26	7	7	7	7	14
9	220BDES037	Mallika Kohli	2022-26	7	7	7	7	14
10	220BDES032	Mrinalini Gupta	2022-26	7	7.5	7	7.5	14.5
11	220BDES017	Nitish Sharma	2022-26	AB	AB	AB	AB	0
12	220BDES006	Pari Tyagi	2022-26	7	7	7	7	14
13	220BDES007	Reamya Singh	2022-26	7	7	7	7	14
14	220BDES031	Ruhun Thakur	2022-26	5	5	5	5	10
15	220BDES038	Sanskriti Srivastava	2022-26	AB	AB	AB	AB	0
16	220BDES010	Sanya Panjiyara	2022-26	5	6	5	6	11
17	220BDES003	Tanisha Galhotra	2022-26	4	4	4	4	8
18	231BDES003	Yash Mishra	2022-26	6.5	6	6.5	6	12.5
19	231BDES002	Aashi Jain	2022-26	6	6	6	6	12
20	231BDES001	Ishba Baig	2022-26	4	4	4	4	8
Total Students						20		20
Average						5.735294118		5.970588235
Total Students Appeared in Mid-term (N)						17		17
Number of students scored average% and above marks (P)						9		13
CO attainment (P/N)*100						60.00%		76.47%

Average Marks	Max Marks	Min. Marks	Std Deviation	Less than 40%	More than 90%
10	15	0	4.63	17.65%	29.4%

Students Marks	0-5	6-10	11-15
Mid-term	3	4	13

Assessment	Attainment Levels	
Mid-term	Level1	Less than 50% students scoring more than average% marks.
	Level2	50% to less than 60% students scoring more than average % marks.
	Level3	more than 60% students scoring more than average % marks in internal assessment tools

CO Attainment Level	
COs	Attainment Level
CO3	Level 3
CO4	Level 3



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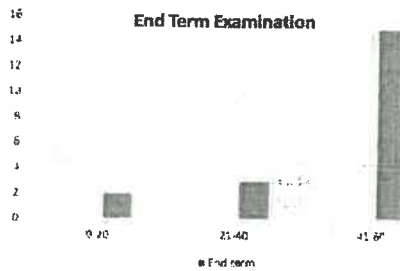
SUSHANT UNIVERSITY												
School of Design												
End-Term Examination (Odd Semester 2024-25)												
Program: Interior Design			Semester : V			Date of Analysis: 18/12/24						
Course Code: 21BIA-5P05			Course Name: IA Spatial Design Studio III			Faculty Name: Anjali Marwah						
S. No.	Enrolment No.	Student Name	Batch No	Q1 (15Marks) CO1	Q2 (15Marks) CO2	Q3 (15Marks) CO3	Q4 (15Marks) CO4	Attainment				Total Marks (60)
								CO 1 (15)	CO 2 (15)	CO 3 (15)	CO 4 (15)	
1	2208DES004	Aanchal Tandon	2022-26	11	10	10	10	11	10	10	10	41
2	2208DES041	Aashma Dahal	2022-26	12	11	12	10	12	11	12	10	45
3	2208DES039	Abir	2022-26	12	11	12	10	12	11	12	10	45
4	2208DES028	Anushka sharma	2022-26	12	14	11	13	12	14	11	13	50
5	2208DES023	Aryan Madaria	2022-26	8	8	5	9	8	8	5	9	30
6	2208DES008	Gumoor Malhotra	2022-26	12	15	12	15	12	15	12	15	54
7	2208DES012	Hitika Goyal	2022-26	12	15	12	14	12	15	12	14	53
8	2208DES035	Jia Sharma	2022-26	13	13	12	10	13	13	12	10	48
9	2208DES037	Malika Kohli	2022-26	13	13	11	12	13	13	11	12	49
10	2208DES032	Mrinalini Gupta	2022-26	14	15	12	15	14	15	12	15	56
11	2208DES017	Nitish Sharma	2022-26	AB	AB	AB	AB	AB	AB	AB	AB	0
12	2208DES006	Pari Tyagi	2022-26	13	15	12	15	13	15	12	15	55
13	2208DES007	Raanya Singh	2022-26	14	15	12	15	14	15	12	15	56
14	2208DES038	Ruhun Thakur	2022-26	11	10	10	10	11	10	10	10	41
15	2208DES036	Sanskriti Srivastava	2022-26	10	10	10	10	10	10	10	10	40
16	2208DES010	Sanya Panjiyara	2022-26	11	11	11	10	11	11	11	10	43
17	2208DES003	Tanisha Gaihotra	2022-26	8	9	9	9	8	9	9	9	35
18	2318DES003	Yash Mishra	2022-26	12	14	11	13	12	14	11	13	50
19	2318DES002	Arshi Jain	2022-26	11	13	12	13	11	13	12	13	49
20	2318DES001	Harish Bag	2022-26	AB	AB	AB	AB	AB	AB	AB	AB	0
Average								11.61111111	12.33333333	10.88888889	11.83333333	42.60
Total Students Appeared in Assignment 1 (N)								18				
Number of students scored average% and above marks (P)								11	10	13	9	
CO attainment (P/N)*100								61.11%	55.56%	77.22%	50.00%	

Average Marks	Max Marks	Min. Marks	Std Deviation	Less than 40%	More than 90%
42	56	0	15.59	11.11%	22.22%

Students Marks	0-20	21-40	41-60
End term	2	3	15

Assessment	Attainment Levels	
End term	Level1	Less than 50% students scoring more than average% marks.
	Level2	50% to less than 60% students scoring more than average % marks.
	Level3	more than 60% students scoring more than average % marks in internal assessment tools

CO Attainment Level	
COs	Attainment Level
CO1	Level 3
CO2	Level 2
CO3	Level 3
CO4	Level 2



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School of Design

Result Analysis (Odd Semester 2024-25)

Program: Interior Design

Sem: V

Course Name: IA Spatial Design Studio III

Course Code: 21BIA-5P05

Faculty Name: Anjali Marwah

Date of Analysis: 07/01/25

Consolidated CO Attainment (Internal)

Mid term 15 : Assignment/Presentation 25

COs	Assessment Tools			Total
	Mid-Term	Assignment I	Assignment II	
CO1	0	3	0	0.75
CO2	0	0	0	0
CO3	3	0	3	1.2
CO4	3	3	2	1.7

Consolidated CO Attainment (Internal+External)

Internal 40 : External 60

COs	Internal (Mid term+Assignment+Presentation)	End Term (ESE)	Total	
CO1	0.75	3	2.1	
CO2	0	2	1.2	
CO3	1.2	3	2.28	
CO4	1.7	2	1.88	



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School of Design, Sushant University, Gurugram
Academic Year - Odd 2024-25

Course Exit Survey

Program: Interior Design

Sem: V

Course Name: IA Spatial Design Studio III

Course Code: 21BIA-5P05

Faculty Name: Anjali Marwah

Date of Survey: 07/01/25

Student Full Name	CO1		CO2		CO3		CO4	
	Course Exit survey parameter1	Attainment of CO1	Course Exit survey parameter2	Attainment of CO2	Course Exit survey parameter3	Attainment of CO3	Course Exit survey parameter4	Attainment of CO4
Aanchal Tandon	Fair	8	Fair	8	Fair	8	Fair	8
Aashma Dahal	Good	12	Good	12	Good	12	Good	12
Abir	Good	12	Good	12	Good	12	Good	12
Anushka sharma	Good	12	Good	12	Good	12	Good	12
Aryan Madaria	Good	12	Good	12	Good	12	Good	12
Gurnoor Malhotra	Very Good	16	Very Good	16	Good	12	Good	12
Hritika Goyal	Very Good	16	Very Good	16	Very Good	16	Very Good	16
Jia Sharma	Very Good	16	Very Good	16	Very Good	16	Very Good	16
Mallika Kohli	Very Good	16	Very Good	16	Very Good	16	Very Good	16
Mininalini Gupta	Excellent	20	Excellent	20	Very Good	16	Very Good	16
Nitish Sharma	Fair	8	Fair	8	Excellent	20	Excellent	20
Pari Tyagi	Excellent	20	Excellent	20	Fair	8	Fair	8
Raanya Singh	Excellent	20	Excellent	20	Excellent	20	Excellent	20
Ruhun Thakur	Very Good	16	Very Good	16	Excellent	20	Excellent	20
Sanskriti Srivastava	Fair	8	Fair	8	Very Good	16	Very Good	16
Sanya Panjiyara	Very Good	16	Very Good	16	Fair	8	Fair	8
Tanisha Galhotra	Very Good	16	Very Good	16	Very Good	16	Very Good	16
Yash Mishra	Fair	8	Fair	8	Fair	8	Fair	8
Yash Mishra	Very Good	16	Very Good	16	Fair	8	Fair	8
Aashi Jain	Very Good	16	Very Good	16	Very Good	16	Very Good	16
Ishba Baig	Very Good	16	Very Good	16	Very Good	16	Very Good	16
	Fair	8	Fair	8	Fair	8	Fair	8
Average		13.8		13.8		13.8		13.8
No of students >=Avg		11		11		11		11
Total students		20		20		20		20
Attainment Level (%)		55.00%		55.00%		55.00%		55.00%
Attainment Level		2		2		2		2

Assessment Methods	Attainment Levels	
Assessment	Level1	Less than 50% students scoring more than average% marks.
	Level2	50% to less than 60% students scoring more than average % marks.
	Level3	more than 60% students scoring more than average % marks in internal assessment tools



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SUSHANT UNIVERSITY			
School of Design			
CO Attainment (Odd Semester 2024-25)			
Program: Interior Design		Sem: VI	
Course Name: IA Spatial Design Studio III		Course Code: 21BIA-5P05	
Faculty Name: Anjali Marwah		Date of Analysis: 07/01/25	
COs	Direct (80%)	Indirect (20%)	Total (100%)
CO1	2.1	2	2.08
CO2	1.2	2	1.36
CO3	2.28	2	2.224
CO4	1.88	2	1.904

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SUSHANT UNIVERSITY

School of Design

CO-PO-PSO Mapping (Odd Semester 2024-25)

Sem: V

Course Code: 21BIA-SP05

Date of Analysis: 07/01/25

Program: Interior Design

Course Name: IA Spatial Design Studio III

Faculty Name: Anjali Marwah

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	2	2	3	2	0	0	1	3	2	2	2	3	0	3	0	1	0
CO2	3	2	2	0	2	3	2	1	3	2	2	0	3	0	3	0	1	0
CO3	3	2	2	3	2	0	0	0	0	0	0	2	0	2	3	0	1	0
CO4	0	0	0	0	2	0	0	0	0	2	0	0	0	2	3	0	1	0

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2.76	4.16	4.16	6.24	4.16	0	0	2.08	6.24	4.16	4.16	4.16	6.24	0	6.24	0	2.08	0
CO2	2.76	2.72	2.72	0	2.72	6.24	4.16	2.08	6.24	4.16	4.16	0	6.24	0	6.24	0	2.08	0
CO3	2.76	4.448	4.448	6.672	4.448	0	0	0	0	0	0	4.16	0	4.16	6.24	0	2.08	0
CO4	0	1.2	1.2	1.8	1.2	0	0	0	0	4.16	0	0	0	4.16	6.24	0	2.08	0
Attainment	0.00	2.09	1.58	2.45	1.58	0.00	0.00	2.08	2.08	2.08	0.00	0.00	2.08	2.08	2.08	0.00	0.00	0.00

