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CONTENTS

Sushant University

Academic Year 2023-2024

YEAR-2023-24 STEPS UNDERTAKEN FOR SLOW LEARNERS IN THE COURSE	
1	Individual Attention and providing tailored support based on each student's specific learning challenges.
2	Concept Reinforcement by revisiting and simplifying key
3	Skill Enhancement focusing on essential academic skills such as problem-solving and time management.
4	Holding Peer review sessions , discussions and collaborative exercises.
5	Reinforcing theoritical concepts by practical exercises, Site study, Model making ,Personalised Tutoring.
6	Personalized support via remedial classes to foster conceptual clarity & academic improvement.
7	Faculty mentorship ensuring continuous motivation & individualized guidance.
8	Peer-assisted learning sessions

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YEAR 2023-24 STEPS UNDERTAKEN FOR [redacted] LEARNERS IN THE COURSE ADVANCED	
1	Encouraging participation in research projects, paper presentations, and academic publications.
2	Encouraging students to take up advanced certificate courses, MOOCs (Massive Open Online Courses), workshops, and training in emerging technologies and [redacted] domains.
3	Facilitating participation in international immersions, seminars, academic collaborations, and conferences to broaden perspectives and enhance academic depth.
4	Encouraged to pursue MOOCs & certification programs to deepen subject mastery & enhance credentials.
5	Motivated to participate in national & international seminars, conferences & immersion programs for broadened academic perspectives.
6	Permitted to undertake additional credits, enabling intellectual acceleration & academic distinction.

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YEAR-2023-24

Initiatives for Slow Learners

- **Scaffolding and Gradual Progression:**
  - Break down complex tasks into smaller, manageable steps with clear guidelines for each stage.
  - Provide step-by-step instructions and visual aids to support understanding.
  - Introduce concepts and skills progressively, building upon prior knowledge.
  - Offer more foundational exercises before moving to complex design problems.
- **Varied Teaching Methods and Multi-Sensory Approaches:**
  - Utilize a variety of teaching methods, including visual presentations, hands-on activities, and verbal explanations, to cater to different learning styles.
  - Incorporate physical model making, drawing, and digital tools to engage multiple senses.
- **Structured Learning Environment:**
  - Establish clear routines and expectations for assignments and deadlines.
  - Provide well-organized course materials and resources that are easy to navigate.
  - Offer a quiet and focused learning environment to minimize distractions.
- **Frequent Feedback and Positive Reinforcement:**
  - Provide timely and specific feedback on their work, highlighting areas of strength and areas for improvement.
  - Offer constructive criticism in a supportive and encouraging manner.
  - Acknowledge and praise effort and progress, no matter how small.
  - Emphasize learning from mistakes as a crucial part of the design process.
- **Compensatory and Remedial Strategies:**
  - Employ compensatory teaching by altering the presentation of content to bypass weaknesses (e.g., using visuals instead of extensive text).
  - Offer remedial teaching through activities and practices that address specific skill deficiencies (e.g., extra drawing practice).
  - Allow for alternative methods of demonstrating understanding and skills.
- **Peer Support and Collaborative Learning:**
  - Facilitate peer learning opportunities where students can learn from each other.
  - Assign them to supportive and patient peer groups for collaborative projects.
  - Encourage them to articulate their ideas and learn through discussion.
- **Extended Time and Flexible Deadlines:**
  - Consider providing extended time for completing assignments and exams when appropriate.
  - Offer some flexibility in deadlines to accommodate individual learning paces.
- **Relating to Interests and Real-World Connections:**
  - Connect design problems and concepts to their interests and real-world examples to enhance engagement and motivation.
  - Incorporate case studies and examples that resonate with their experiences.

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YEAR-2023-24
Initiatives for Advanced Learners

- **Challenging and Open-Ended Projects:**
  - Provide more complex and abstract design briefs that encourage innovative and critical thinking.
  - Offer opportunities for self-directed projects and exploration of individual interests.
  - Encourage them to push boundaries and explore unconventional design solutions.

- **Independent Research and In-Depth Study:**
  - Encourage them to delve deeper into specific areas of interest through independent research and analysis.
  - Provide resources and guidance for advanced readings and theoretical explorations.
  - Facilitate opportunities to present their research and insights.

- **Leadership and Mentoring Roles:**
  - Offer opportunities to mentor and guide their peers, fostering their leadership and communication skills.
  - Encourage them to take initiative in group projects and contribute advanced skills.

- **Exposure to Advanced Tools and Technologies:**
  - Introduce them to cutting-edge software, fabrication techniques, and research methodologies.
  - Provide workshops and training on advanced digital design and analysis tools.

- **Critical Analysis and Evaluation:**
  - Encourage them to critically analyze their own work and the work of others at a sophisticated level.
  - Engage them in discussions that involve complex theoretical frameworks and design philosophies.

- **Real-World Application and Professional Engagement:**
  - Facilitate opportunities for internships, competitions, and collaborations with professionals.
  - Encourage them to engage with contemporary architectural issues and contribute to design discourse.

- **Accelerated Learning Pathways:**
  - Consider offering opportunities to pursue advanced topics or projects at an accelerated pace.
  - Allow them to explore interdisciplinary connections and broaden their skill sets.

- **Developing Specializations:**
  - Support their exploration of potential areas of specialization within architecture and urban design.
  - Offer electives and focused studios that allow for in-depth study in their chosen areas.

Sushant University

SLOW LEARNERS

Odd Semester (2023-24)

Programme : B.Arch
Course Name : Architecture Design 5 **Class:** 3A/3B **Semester:** V
Course Code : 21BAR-1DS31P
Course Faculty :
Prof. Himanshu Sanghani, Robbin Dwivedi, Arjun Kamal, Prarthna Misra
Date : 02 October 2023

Sir/Madam,
The following students mentioned in the list are identified as slower learners (below 50% marks in MidTerm Exam).

Sr. No.	Roll No.	Name of the Student	Marks Obtained (20 Marks)
1	200BARCH065	Pratham Sharma	0
2	200BARCH086	Inder Das	0
3	210BARCH010	Aryan Dixit	0
4	210BARCH079	Preksha Nahata	7
5	210BARCH121	Anava Kapoor	3
6	221BARCH001	Samuel Hiratpuia	7
7	232BARCH005	Pawan Kumar	0

Course Faculty

Programme Coordinator

Dean

Sushant University

SLOW LEARNERS

Odd Semester (2023-24)

Programme : B.Arch
Course Name : Architecture Design 5 **Class: 3A/3B** **Semester: V**
Course Code : 21BAR-1DS31P
Course Faculty :
Prof. Himanshu Sanghani, Robbin Dwivedi, Arjun Kamal, Prarthna Misra
Date : 02 October 2023

CIRCULAR

All the Faculty Members of the Architecture Design 05 are hereby informed to note that the following Time Table is prepared for remedial coaching for students identified as slow learners.

Dates	05 Oct 2023	09 Oct 2023	12 Oct 2023
Time	09:10 AM - 12:45 PM	09:10 AM - 12:45 PM	09:10 AM - 12:45 PM
Course Remedial Class for Arch. Design 05	Discussion on Prototype and Stratification Process	Discussion on Prototype and Stratification Process	Discussion on Prototype and Stratification Process
Faculty	Prof. Himanshu Sanghani	Prof. Himanshu Sanghani	Prof. Himanshu Sanghani

Course Faculty

Programme Coordinator

Dean

Sushant University

SLOW LEARNERS

Odd Semester (2023-24)

Programme : B.Arch
Course Name : Architecture Design 5 **Class:** 3A/3B **Semester:** V
Course Code : 21BAR-1DS31P
Course Faculty :
Prof. Himanshu Sanghani, Robbin Dwivedi, Arjun Kamal, Prarthna Misra
Date : 05-12 October 2023

Sir/Madam,
The following students mentioned in the list are identified as slower learners (below 50% marks in MidTerm Exam).

Sr. No.	Roll No.	Name of the Student	Attendance	Attendance	Attendance
		Date	05/10/23	09/10/23	12/10/23
		Time	09:05 - 12:45	09:05 - 12:45	09:05 - 12:45
1	200BARCH065	Pratham Sharma	A	A	A
2	200BARCH086	Inder Das	A	A	A
3	210BARCH010	Aryan Dixit	P	A	P
4	210BARCH079	Preksha Nahata	P	P	P
5	210BARCH121	Anava Kapoor	A	P	P
6	221BARCH001	Samuel Hiratpuia	P	P	P
7	232BARCH005	Pawan Kumar	A	A	A

Course Faculty

Programme Coordinator

Dean

Sushant University

SLOW LEARNERS

Odd Semester (2023-24)

Programme : B.Arch
Course Name : Architecture Design 5 Class: 3A/3B Semester: V
Course Code : 21BAR-1DS31P
Course Faculty :
Prof. Himanshu Sanghani, Robbin Dwivedi, Arjun Kamal, Prarthna Misra
Date : 05-12 October 2023

Marks obtained after remedial classes

Sr. No.	Roll No.	Name of the Student	Marks Obtained (20 Marks)
1	200BARCH065	Pratham Sharma	0
2	200BARCH086	Inder Das	0
3	210BARCH010	Aryan Dixit	4
4	210BARCH079	Preksha Nahata	9
5	210BARCH121	Anava Kapoor	4
6	221BARCH001	Samuel Hiratpuia	9
7	232BARCH005	Pawan Kumar	0

Course Faculty

Programme Coordinator

Dean

Sushant University

ADVANCED LEARNERS

Odd Semester (2023-24)

Programme : B.Arch
Course Name : Architecture Design 5 Class: 3A/3B Semester: V
Course Code : 21BAR-1DS31P
Course Faculty :
Prof. Himanshu Sanghani, Robbin Dwivedi, Arjun Kamal, Prarthna Misra
Date : 02 October 2023

Sir/Madam,

The following students mentioned in the list are identified as Advanced Learners (above 80% marks in MidTerm Exam).

Sr. No.	Roll No.	Name of the Student	Marks Obtained (20 Marks)
1	210BARCH024	Tushar Sharma	17
2	210BARCH086	Madhav Malhotra	17
3	210BARCH101	Muskaan Gupta	17

Course Faculty

Programme Coordinator

Dean

Sushant University

ADVANCED LEARNERS

Odd Semester (2023-24)

Programme : B.Arch
Course Name : Architecture Design 5 **Class:** 3A/3B **Semester:** V
Course Code : 21BAR-1DS31P
Course Faculty :
Prof. Himanshu Sanghani, Robbin Dwivedi, Arjun Kamal, Prarthna Misra
Date : 02 October 2023

Sr. No.	Roll No.	Name of the Student	Suggestions by the Faculty (MOOC, Soft-Skills, Competitions, Research etc.)
1	210BARCH024	Tushar Sharma	The students were informed to do further research on the topic and develop the prototype based on the learnings. The students were further informed to develop the soft-skills necessary for the product.
2	210BARCH086	Madhav Malhotra	
3	210BARCH101	Muskaan Gupta	

Course Faculty

Programme Coordinator

Dean

Sushant University

ADVANCED LEARNERS

Odd Semester (2023-24)

Programme : B.Arch
Course Name : Architecture Design 5 Class: 3A/3B Semester: V
Course Code : 21BAR-1DS31P
Course Faculty :
Prof. Himanshu Sanghani, Robbin Dwivedi, Arjun Kamal, Prarthna Misra
Date : 02 October 2023

Sr. No.	Roll No.	Name of the Student	Achievements
1	210BARCH024	Tushar Sharma	They enhanced their work for the 2nd Review of the course scheduled after a month of the Mid-Term.
2	210BARCH086	Madhav Malhotra	
3	210BARCH101	Muskaan Gupta	

Course Faculty

Programme Coordinator

Dean

Sushant University

ANNEXURE-I

School of Art and Architecture -Sushant University

Academic session : Even Sem - 2023-24

Course Title: Building Services 2

Course Code: 19BAR-3BS22T

Programme: B.Arch

Semester: 4

Course Faculty: Prerana H

Date - 10/02/2023 -

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.No	Name of the student	Roll No	Slow learner/Advanced learner
1	Aditi Gupta	220BARCH004	Advanced learner
2	Shriya Khurana	220BARCH018	Advanced learner
3	Ishan Shukla	220BARCH019	Advanced learner
4	Nikita Chawla	220BARCH037	Advanced learner
5	Simran Thakran	220BARCH008	Slow learner
6	Chahat Suneja	220BARCH021	Slow learner
7	Auditya Sheoran	220BARCH044	Slow learner
8	Rongsennukla Yaden	220BARCH046	Slow learner
9	Raghav Sethi	220BARCH054	Slow learner
10	Shritima Sharma	220BARCH056	Slow learner

Signature of Course Coordinator/Faculty

Programme Coordinator

Dean

Sushant University

SCHOOL OF ART AND ARCHITECTURE- SUSHANT UNIVERSITY

ATTENDANCE SHEET - SLOW LEARNER

REMEDIAL CLASSES SCHEDULE CUM ATTENANCE SHEET FOR SLOW LEARNERS

Program/Batch: B.Arch/2022-27
Course Code: 19BAR-3BS22T
Course Title: Building Services 2

Semester: 4
Faculty Name: Prerana H
Date: 10/02/2023

S.no	Enrollment No.	Student name	Date: 08/02 Time: 4pm Student Signature	Date: 11/02 Time: 4pm Student Signature	Date: 15/02 Time: 4pm Student Signature	Date: 19/02 Time: 4pm Student Signature	Date: 21/02 Time: 4pm Student Signature	Date: 23/02 Time: 4pm Student Signature	Remarks (Outcome)
1	220BARCH008	Simran Thakran				-ab-			Fair - Progressing at a fair pace
2	220BARCH021	Chahat Suneja					-ab-	-ab-	Fair
3	220BARCH044	Auditya Sheoran		-ab-	-ab-	-ab-			Fair - Good progress
4	220BARCH046	Rongsennukla Yaden	-ab-	-ab-	-ab-	-ab-	-ab-	-ab-	Absent
5	220BARCH054	Raghav Sethi					-ab-	-ab-	Fair
6	220BARCH056	Shritima Sharma			-ab-	-ab-			Fair

Faculty Signature:

SLOW LEARNER- WORK SAMPLE

Daylighting and Corresponding Usage with Artificial Lighting

By Simran Thakran, B.Arch 4th Semester

Introduction

Daylighting refers to the strategic use of natural light to illuminate building interiors. It is an essential component of sustainable architectural design, reducing the reliance on artificial lighting, minimizing energy consumption, and enhancing the quality of indoor environments. The integration of daylighting with artificial lighting is crucial in achieving an optimal balance between natural and artificial illumination, ensuring comfort, functionality, and energy efficiency. This report explores the principles, benefits, and strategies of daylighting, along with its integration with artificial lighting systems.

Principles of Daylighting

Daylighting design involves the careful consideration of various factors, including building orientation, window placement, glazing materials, and interior layout. The primary goal is to maximize the penetration and distribution of natural light while minimizing glare and heat gain. Key principles include:

1. **Building Orientation**: Orienting the building to optimize solar exposure, typically with longer facades facing north and south, can enhance daylight availability throughout the day.
2. **Window Design**: Properly sized and placed windows, skylights, and clerestories facilitate natural light entry and distribution. Glazing materials should balance light transmission, thermal performance, and glare control.
3. **Interior Layout**: Open floor plans, light-colored surfaces, and reflective materials can help distribute daylight deeper into the building, reducing the need for artificial lighting.

Benefits of Daylighting

The integration of daylighting in architectural design offers several advantages:

1. **Energy Savings**: Reducing reliance on artificial lighting decreases electricity consumption and lowers energy bills. Natural light also reduces the need for heating in cold climates and cooling in warm climates, contributing to overall energy efficiency.
2. **Improved Well-being**: Exposure to natural light positively impacts human health and well-being. It enhances mood, productivity, and comfort while reducing the incidence of eyestrain and headaches.
3. **Environmental Impact**: Daylighting reduces the building's carbon footprint by lowering energy demand and greenhouse gas emissions associated with electricity generation.

Strategies for Effective Daylighting

Effective daylighting requires a combination of design strategies and technologies to optimize natural light utilization:

1. **Windows and Glazing**: High-performance glazing materials, such as low-emissivity (low-e) glass, can improve light transmission while reducing heat gain and glare. Operable windows provide natural ventilation and additional daylighting control.
2. **Skylights and Light Tubes**: Skylights and light tubes can bring natural light into spaces that are difficult to illuminate with vertical windows. These devices can be equipped with diffusers to distribute light evenly and reduce glare.
3. **Shading Devices**: Exterior shading devices, such as overhangs, louvers, and shading screens, can control direct sunlight and reduce glare and heat gain. Interior shading options, such as blinds and curtains, provide additional control over daylight penetration.
4. **Light Shelves and Reflectors**: Light shelves and reflective surfaces can redirect natural light deeper into the building, enhancing daylight distribution and reducing the need for artificial lighting.

Integration with Artificial Lighting

To achieve a seamless transition between natural and artificial lighting, it is essential to integrate daylighting with artificial lighting systems effectively:

1. **Lighting Controls**: Automated lighting controls, such as dimmers, occupancy sensors, and daylight sensors, can adjust artificial lighting levels based on daylight availability, occupancy, and user preferences. These systems ensure optimal lighting conditions while maximizing energy savings.

2. **Zoned Lighting**: Dividing the interior space into lighting zones allows for more precise control of artificial lighting, enabling the use of artificial light only where and when it is needed.
3. **Complementary Lighting Design**: The selection of artificial lighting fixtures should complement the daylighting design, providing adequate illumination during periods of low natural light and enhancing the overall lighting quality. Fixtures with adjustable color temperature can mimic natural light, creating a more comfortable and visually appealing environment.

Conclusion

Daylighting, when effectively integrated with artificial lighting, offers significant benefits in terms of energy efficiency, environmental sustainability, and occupant well-being. By incorporating principles of daylighting and employing advanced lighting controls and technologies, architects and designers can create buildings that harness the full potential of natural light while maintaining optimal indoor illumination. The thoughtful design and implementation of daylighting strategies are crucial for the development of sustainable and energy-efficient architectural solutions.

Bibliography

- Bodart, M., & De Herde, A. (2002). Global energy savings in offices buildings by the use of daylighting. *Energy and Buildings, 34*(5), 421-429.
- Boyce, P. R. (2014). *Human Factors in Lighting*. CRC Press.
- Dubois, M. C. (2001). Impact of shading devices on daylight quality in offices. *Solar Energy, 73*(2), 59-72.
- Heschong, L. (2002). Daylighting and human performance. *ASHRAE Journal, 44*(6), 65-67.
- Li, D. H., & Tsang, E. K. (2008). An analysis of daylighting performance for office buildings in Hong Kong. *Building and Environment, 43*(9), 1446-1458.
- Reinhart, C. F., & Walkenhorst, O. (2001). Dynamic RADIANCE-based daylight simulations for a full-scale test office with outer venetian blinds. *Energy and Buildings, 33*(7), 683-697.

Types of Artificial Lighting

By Raghav Sethi, B.Arch 4th Semester

Artificial lighting is a crucial component in architectural design, enhancing the functionality, aesthetics, and ambiance of interior spaces. It is essential for creating comfortable, safe, and productive environments. There are several types of artificial lighting, each with distinct characteristics and applications. Understanding these types is vital for architects and designers to make informed decisions that balance illumination needs with energy efficiency and design aesthetics.

Incandescent lighting, one of the oldest forms of artificial light, produces light by heating a filament until it glows. Although incandescent bulbs provide a warm and inviting light, they are highly inefficient, converting only about 10% of energy into light, with the rest lost as heat. Due to their low energy efficiency and short lifespan, incandescent bulbs are being phased out in favor of more efficient technologies. However, they are still appreciated for their color rendering and ability to create a cozy atmosphere in residential and hospitality settings.

Fluorescent lighting, a more energy-efficient option, operates by exciting mercury vapor, which in turn emits ultraviolet light. This light then interacts with a phosphorescent coating inside the bulb to produce visible light. Fluorescent lights are commonly used in commercial and institutional settings due to their efficiency and longer lifespan compared to incandescent bulbs. They are available in various forms, including linear tubes and compact fluorescent lamps (CFLs). Despite their advantages, fluorescent lights have drawbacks, such as the presence of mercury, which poses environmental hazards, and a tendency to flicker, which can cause discomfort and eye strain.

Halogen lighting is a type of incandescent lighting that uses halogen gas to increase efficiency and lifespan. Halogen bulbs produce a bright, white light that closely resembles natural daylight, making them suitable for task lighting and highlighting artwork or architectural features. They are more energy-efficient than traditional incandescent bulbs but still fall short compared to modern alternatives like LEDs. Halogen bulbs also operate at high temperatures, which can pose safety risks if not properly managed.

Light Emitting Diode (LED) lighting represents the most advanced and energy-efficient artificial lighting technology available today. LEDs produce light through electroluminescence, where electrons recombine with holes in a semiconductor material, releasing energy in the form of photons. LEDs are highly efficient, converting a significant portion of energy into light with minimal heat production. They also boast an exceptionally long lifespan, reducing maintenance costs and environmental impact. LEDs are versatile, available in a wide range of colors, and can be easily integrated into smart lighting systems for dynamic control over light intensity and color temperature. Their adaptability makes LEDs suitable for almost any application, from residential to commercial, industrial, and outdoor lighting.

High-Intensity Discharge (HID) lighting, which includes metal halide, high-pressure sodium, and mercury vapor lamps, is commonly used in large-scale applications such as street lighting,

SCHOOL OF ART AND ARCHITECTURE- SUSHANT UNIVERSITY

Sushant University

LIST OF ADVANCED LEARNERS

Program/Batch: B.Arch/2022-27
Course Code: 19BAR-3BS22T
Course Title: Building Services 2

Semester: 4
Faculty Name: Prerana H

S.no	Enrollment No.	Student name	Activities done to motivate ADVANCED learners
1	220BARCH004	Aditi Gupta	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
2	220BARCH018	Shriya Khurana	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
3	220BARCH019	Ishan Shukla	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
4	220BARCH037	Nikita Chawla	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview

Faculty Signature:

Energy Efficiency coustics and Dayiighting in Building

By Prof. Prof. B Bhattacharjee | IIT Delhi

Learners enrolled: 1639

The objectives of this course is to expose the students to the concepts functional design of building for thermal aspects and energy efficiency especially in tropical climates i.e. in Indian context. Further objective is to make the student capable of performing fenestration design for natural ventilation and daylighting & design of space for external and internal noise control.

INTENDED AUDIENCE : Civil Engineering & Architecture students and professionals

PRE-REQUISITES : BE/BSc. Level Physics & Mathematics.

INDUSTRY SUPPORT : All industry involved in Building design and construction. L&T, TERI etc. CPWD and all other PWDs. DI, FIXIT Institute.

Course layout

Week 1 : Environmental Factors: Factors and their representation, tropical environments and site environments, etc.

Week 2 : Human response to environment: Factors affecting human comfort, Human response to thermal environment, noise, visual environment etc.; Comfort indices

Week 3 : Response of building to thermal environment: Processes of heat exchange of building with environment, Effect of solar radiation, Thermal properties of material and sections ar d their influence

Week 4 : Steady and periodic heat transfer in buildings

Week 5 : Heat flow computations: Transmission matrix, Admittance method, etc.-1

Week 6 : Heat flow computations: Transmission matrix, Admittance method, etc.-2

Week 7 : Structural control and design for energy efficiency: Selection of envelope elements, Orientations, shape, Glasses and shading devices

Week 8 : Natural ventilation: Purpose of ventilation, Mechanisms, Fenestration Design for natural ventilation

Week 9 : Noise and Building: Basic acoustics and noise, Planning, Sound in free field, protection against external noise

Week 10 : Internal noise sources and protection against air borne & structure borne noise

Week 11 : Day lighting: Lighting principles and fundamentals

Week 12 : Sky, Indian sky, daylight prediction and design of fenestration.

Books and references

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4. Croome, J.D. &Roberts, B.M. "AIRCONDITIONING AND VENTILATION OF BUILDINGS VOL-1", Pergamon press.

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8. Maekawa, Z. and Lord, P. "ENVIRONMENTAL AND ARCHITECTURAL ACOUSTICS" E&FN Spon, 1994. IS 2526, IS:4954 and NBC etc.

Sushant University

ANNEXURE-II

School of Art and Architecture- Sushant University

Academic Session : Even Sem - 2023-24

Course Title: Building Services 2 **Semester: 4**

Course Code: 19BAR-3BS22T **Course Faculty: Prerana H**

Programme: B.Arch Date : 12/03/23

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	Slow learner / Advanced Learner
1	Aditi Gupta	220BARCH004	Advanced learner
2	Palak Mediratta	220BARCH007	Advanced learner
3	Aarushi Agarwal	220BARCH010	Advanced learner
4	Shriya Khurana	220BARCH018	Advanced learner
5	Ishan Shukla	220BARCH019	Advanced learner
6	Himanshu Aggarwal	220BARCH032	Advanced learner
7	Nikita Chawla	220BARCH037	Advanced learner
8	Hardik Sharma	220BARCH039	Advanced learner
9	Maitreyi Rathore	220BARCH043	Advanced learner
10	Priyal Jain	220BARCH051	Advanced learner
11	Sai Satyanarayana Reddy	220BARCH055	Advanced learner

No slow learners have been identified for the course.

Signature of Course Coordinator/Faculty

Programme Coordinator

Dean

SCHOOL OF ART AND ARCHITECTURE- SUSHANT UNIVERSITY

Academic Session - Even Sem 2023-24

Sushant University

LIST OF ADVANCED LEARNERS

Program/Batch: B.Arch/2022-27
Course Code: 19BAR-3BS22T
Course Title: Building Services 2

Semester: 4
Faculty Name: Prerana H

S.no	Enrollment No.	Student name	Activities done to motivate ADVANCED learners
1	220BARCH004	Aditi Gupta	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
2	220BARCH007	Palak Mediratta	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
3	220BARCH010	Aarushi Agarwal	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
4	220BARCH018	Shriya Khurana	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
5	220BARCH019	Ishan Shukla	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
6	220BARCH032	Himanshu Aggarwal	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
7	220BARCH037	Nikita Chawla	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
8	220BARCH039	Hardik Sharma	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
9	220BARCH043	Maitrey Rathore	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
10	220BARCH051	Priyal Jain	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview
11	220BARCH055	Sai Satyanarayana Reddy	Recommended an advanced MOOC course : Energy Efficiency, Acoustics and Daylighting in Building Link : https://onlinecourses.nptel.ac.in/noc24_ce47/preview

Faculty Signature:

Course layout

Week 1 : Environmental Factors: Factors and their representation, tropical environments and site environments, etc.

Week 2 : Human response to environment: Factors affecting human comfort, Human response to thermal environment, noise, visual environment etc.; Comfort indices.

Week 3 : Response of building to thermal environment: Processes of heat exchange of building with environment, Effect of solar radiation, Thermal properties of material and sections and their influence.

Week 4 : Steady and periodic heat transfer in buildings

Week 5 : Heat flow computations: Transmission matrix, Admittance method, etc.-1

Week 6 : Heat flow computations: Transmission matrix, Admittance method, etc.-2

Week 7 : Structural control and design for energy efficiency: Selection of envelope elements, Orientations, shape, Glasses and shading devices

Week 8 : Natural ventilation: Purpose of ventilation, Mechanisms, Fenestration Design for natural ventilation

Week 9 : Noise and Building : Basic acoustics and noise, Planning, Sound in free field, protection against external noise

Week 10 : Internal noise sources and protection against air borne & structure borne noise

Week 11 : Day lighting: Lighting principles and fundamentals

Week 12 : Sky, Indian sky, daylight prediction and design of fenestration.

Books and references

1. Bureau of Indian Standards," HAND BOOK OF FUNCTIONAL REQUIREMENTS OF BUILDINGS (SP-41 & SP- 32)", BIS 1987 and 1989.

2. Koenigsberger, O.H. et al, "MANUAL OF TROPICAL HOUSING AND BUILDING PART I CLIMATIC DESIGN", Orient Longman, 1973.

3. Markus,T.A. & Morris, E.N., "BUILDING CLIMATE AND ENERGY" Pitman publishing limited, 1980.

4. Croome, J.D. &Roberts, B.M.,"AIRCONDITIONING AND VENTILATION OF BUILDINGS VOL-1", Pergamon press.

5. Croome, J.D. "NOISE,BUILDING AND PEOPLE" Pergamon press.

6. Clarke, J.A., "ENERGY SIMULATION IN List of reference materials/books/ Optional use of open source free software such as "eQUEST", Energy plus etc. 2BUILDING DESIGN" Adam Hilger Ltd. 1985.

7. Foreman, J.E.K.,"SOUND ANALYSIS AND NOISE CONTROL" Van Nostrand Reinhold, 1990.

8.Mackawa, Z. and Lord, P."ENVIRONMENTAL AND ARCHITECTURAL ACOUSTICS" E&FN Spon, 1994. IS 2526, IS 4954 and NBC etc.

School of Art and Architecture | Sushant University *soaring high*

School of Art and Architecture

EVEN SEMESTER 2024 RESULT

Programme :	**B.Arch**	**Course Code :**	**19BAR-3BS22T**
Section :	**A/B**	**Course Name :**	**Building Services 2**
Date :	**03 May 2024**	**Max Marks :**	**50**
		Faculty Name :	**Prerna Hazarika**

S.NO.	Roll No.	Student Name	Attendance % End Term	Internal 1 Mid-Term Marks	Internal 2 End-Term Marks	Total Marks	Permitted/ Debarred
			100	20	30	50	
1	220BARCH001	Manaj Baweja	77	14	19.0	33.0	Permitted
2	220BARCH002	Pujan Garg	77	14	25.0	39.0	Permitted
3	220BARCH003	Pranita Saraf	85	16	20.0	36.0	Permitted
4	220BARCH004	Aditi Gupta	77	17	27.0	44.0	Permitted
5	220BARCH005	Shweta Sharma	85	16	20.0	36.0	Permitted
6	220BARCH006	Rushil Soni	85	14	22.0	36.0	Permitted
7	220BARCH007	Palak Mediratta	92	17	15.0	32.0	Permitted
8	220BARCH008	Simran Thakran	77	12	25.0	37.0	Permitted
9	220BARCH010	Aarushi Agarwal	85	17	22.0	39.0	Permitted
10	220BARCH011	Rudra Kumar Jha	92	16	15.0	31.0	Permitted
11	220BARCH014	Aryan Gupta	92	15	20.0	35.0	Permitted
12	220BARCH015	Sudevi Gayen	85	15	22.0	37.0	Permitted
13	220BARCH016	Annanya Bindal	92	14	25.0	39.0	Permitted
14	220BARCH017	Moeed Imtiyaz	85	16	21.0	37.0	Permitted
15	220BARCH018	Shriya Khurana	85	17	20.0	37.0	Permitted
16	220BARCH019	Ishan Shukla	92	17	27.0	44.0	Permitted
17	220BARCH020	Ansh Jalan	85	14	20.0	34.0	Permitted
18	220BARCH021	Chahat Suneja	85	15	23.0	38.0	Permitted
19	220BARCH022	Amritam	77	13	19.0	32.0	Permitted
20	220BARCH024	Rudra Pratap Singh	85	15	20.0	35.0	Permitted
21	220BARCH025	Apoorva Goel	92	16	25.0	41.0	Permitted
22	220BARCH026	Chirag Yadav	92	13	23.0	36.0	Permitted
23	220BARCH031	Paavan Jain	85	11	27.0	38.0	Permitted
24	220BARCH032	Himanshu Aggarwal	77	18	21.0	39.0	Permitted
25	220BARCH034	Chahat Kakkar	85	14	23.0	37.0	Permitted
26	220BARCH035	Ronnit Garg	77	15	22.0	37.0	Permitted
27	220BARCH036	Abeer Bhasin	85	16	15.0	31.0	Permitted
28	220BARCH037	Nikita Chawla	77	18	21.0	39.0	Permitted
29	220BARCH038	Saanvi Gupta	85	15	15.0	30.0	Permitted
30	220BARCH039	Hardik Sharma	85	17	15.0	32.0	Permitted
31	220BARCH043	Maitreyi Rathore	85	17	27.0	44.0	Permitted
32	220BARCH044	Audity a Sheoran	77	11	15.0	26.0	Permitted
33	220BARCH045	Harshit Khatri	[redacted]	0	0.0	0.0	Debarred
34	220BARCH046	Rongsennukla Yaden	[redacted]	14	[redacted]	34.0	Debarred
35	220BARCH047	Harshita Dang	85	13	22.0	35.0	Permitted
36	220BARCH048	Naveen Chauhan	77	13	19.0	32.0	Permitted
37	220BARCH050	Advait Bansal	85	16	23.0	39.0	Permitted
38	220BARCH051	Priyal Jain	85	17	21.0	38.0	Permitted
39	220BARCH052	Avani Khurana	85	16	27.0	43.0	Permitted
40	220BARCH053	Ishita Gupta	77	13	20.0	33.0	Permitted
41	220BARCH054	Raghav Sethi	77	14	15.0	29.0	Permitted
42	220BARCH055	Kovvuri Sai	92	18	21.0	39.0	Permitted
43	220BARCH056	Shritima Sharma	92	14	15.0	29.0	Permitted
44	220BARCH057	Taniya Mohanty	77	16	20.0	36.0	Permitted
45	220BARCH058	Apaar Agarwal	85	16	25.0	41.0	Permitted
46	220BARCH060	Aditya Dev	85	16	19.0	35.0	Permitted
47	220BARCH062	Dhruv Dogra	77	15	15.0	30.0	Permitted

[redacted] Condoned

Permitted	**45**
Debarred	**2**

Faculty Incharge : **SAA Exam Head :**

Programme Coordina :

Dean :

	45
	0
	2

Sushant University
SUSHANT SCHOOL OF ART AND ARCHITECTURE

ARGUS

AD05

VIDEO PICTH
VISION
NATURAL ECOSYSTEM
ZONE ANALYSIS
SITE DOCUMENTATION
SITE ANALYSIS
STRATIFICATION

VID

Sushant University School of Art and Architecture

FUTURE PREDICTIONS

LAND SHORTAGE

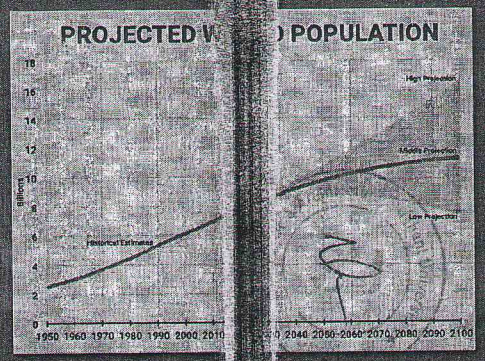
POWER DEFICIT

TRANSPORTATION AND MOBILITY

Increased Demand for Resources

Traffic Congestion

Urban Infrastructure Strain



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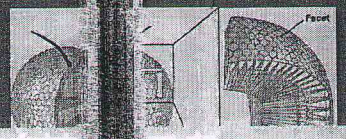
NATURAL ECOSY EM



ZONE ANALYSIS

DECRY

ZONAL A
TANG B E
CLIMATE

(STUDENT WORK)

ACTIVITES.

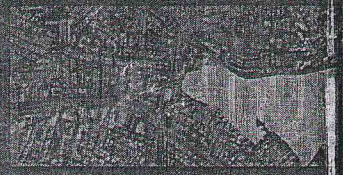
University School of Art Architecture

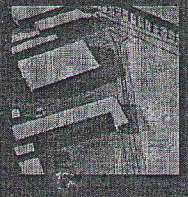
Sikandarpur, Sector 28, Gurugram, Haryana 122022

LOCATION : SOUTHERN PART OF HARYANA
AREA OF GURGRAM : 1258 SQ KM

Sikandarpur, Sector 28, Gurugram, Haryana 122022

SUN PATH



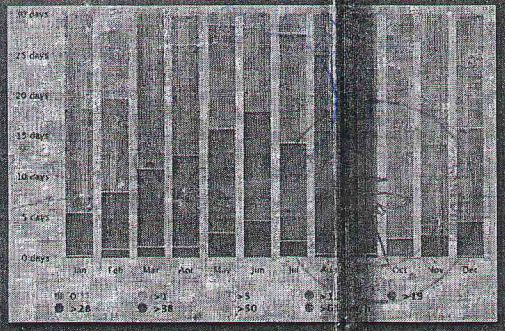


Sikandarpur, Sector 28, Gurugram, Haryana 122022

WIND SPEED

WINDS OVER 12.00KM
S-W-T-ONE

WINDS OVER 30.00KM
WSW-TO-ENE



Sikandarpur, Sector 28, Gurugram, Haryana 122022

SLOPE ANALYSIS AND DRAINAGE PATTERN

GRAPHICS
DEPICTS THE TOPOGRAPHY AND CONTOURS ALONG
GCR AND THE CONSEQUENT PREDICTED FLOW OF
RAINWATER

Sikandarpur, Se

SITE CLIMATE

GURGAON'S LOCATION
AWAY FROM THE SEA, NE
DISTRICT, AND AT A
DEGREES N, RESULTS IN
HEAT WHILE WINTER TEM
REACH FREEZING. THIS
IMPACTING PLANTS, WINT
REDUCE SUNLIGHT, INFLUE

Sikandarpur,

WIND ROSE

WINDS OVER 12.00KM
S-W-T-ONE

WINDS OVER 30.00KM
WSW-TO-ENE

Sikandarpur,

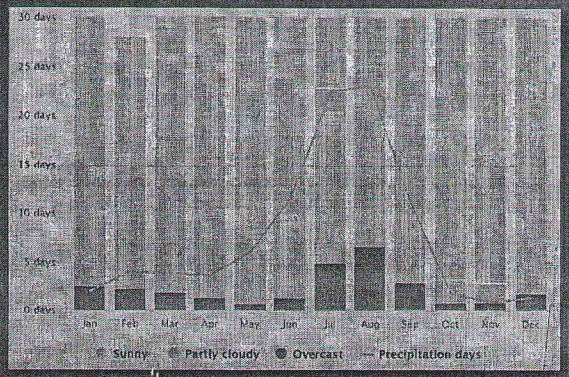
AVERAGE RATE OF
INCREASING
VEGETATION IS 17.5

University School of Art Architecture

Sikandarpur, Sector 28, Gurugram, Haryana 122022 28°28'45"N, 77°06'20"E

CLOUDY, SUNNY, AND PRECIPITATION DAYS

THE CLOUD COVER DURING THE MONTHS OF JULY AND AUGUST IS HIGHER THAN THE ANNUAL AVERAGE AND HENCE LIGHTING SHOULD BE DESIGNED KEEPING STATISTICS OF THOSE MONTHS IN MIND



Sikandarpur, Sector 28, Gurugram, Haryana 122022 28°28'45"N, 77°06'20"E

PRECIPITATION AMOUNTS

THE RAINFALL DURING THE MONTHS OF JULY, AUGUST AND SEPTEMBER ARE THE PEAK MONTHS. THE ANNUAL AVERAGE AUDIENCE DRAIN SYSTEMS SHOULD BE DESIGNED KEEPING STATISTICS

University School of Art

Sikandarpur, Sector 28, Gurugram, Haryana 122022 28°28'45"N, 77°06'20"E

DEMOGRAPHICS

		2001	2011	2021
01	Population	8.71 Lakhs	15.14 Lakhs	17.88 Lakhs
02	Male	4.70 Lakhs	8.16 Lakhs	9.48 Lakhs
03	Female	4.01 Lakhs	6.98 Lakhs	8.20 Lakhs
04	Sex Ratio (per 1000)	850	854	848
05	Population Density (per sq km)	716	1,204	1,421
06	Child Population (0-6 years)	144,640	202,802	227,204
07	Average Literacy	78.50	84.40	87
08	Proportion to Haryana Population	4.12%	6.97%	6.52%

With rising urbanization, the rural population is dwindling and combining with the urban population. As a result, there will be fewer industries that require physical labor in the future.

Sikandarp

GCR, GURUGRAM
COMPOSITE CLI

Sikand

MAXIMUM

Sikandar

NOLLI'S DIAG

SITE SELE

SITE ANALYSIS

University

S
- HIGH CONNECTIVITY
- EASY ACCESS
- STRONG CULTURAL CONTEXT
- HIGH TRAFFIC ARE
- POTENTIAL SEZ

W
- DEALING WITH THE HIGH TRAFFIC

O
- GET A LARGER DATA TO STUDY IN A SHORT PERIOD OF TIME

T
- LOSS OF LOCAL MARKETS AND PRACTICES

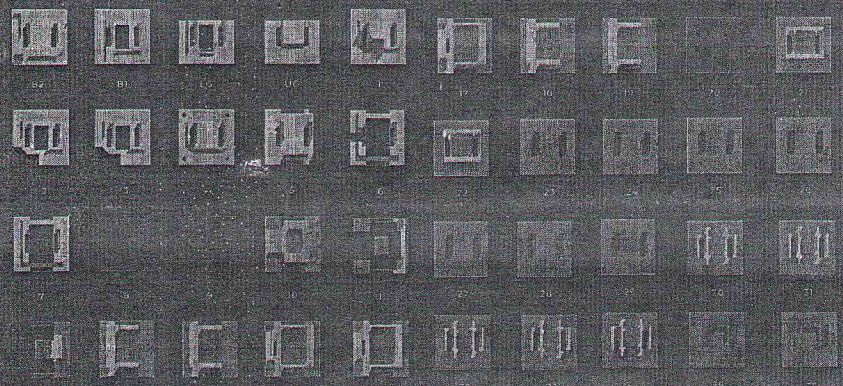
AREA CHART

ADJACENCY MATRIX

University
School of Arts & Architecture

STRATIFICATION

LAND USE
- COMMERCIAL
- MIXED USE
- OFFICE
- RESIDENTIAL



JENGA PLACE

PARA METER

VISUAL C

WIND

NOISE

SUN

school of art and architecture

Sushant University
soaring high

Sushant University

Academic Year

2022-2023

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YEAR-2022-23

Initiatives for Slow Learners

- **Scaffolding and Gradual Progression:**
  - Break down complex tasks into smaller, manageable steps with clear guidelines for each stage.
  - Provide step-by-step instructions and visual aids to support understanding.
  - Introduce concepts and skills progressively, building upon prior knowledge.
  - Offer more foundational exercises before moving to complex design problems.
- **Varied Teaching Methods and Multi-Sensory Approaches:**
  - Utilize a variety of teaching methods, including visual presentations, hands-on activities, and verbal explanations, to cater to different learning styles.
  - Incorporate physical model making, drawing, and digital tools to engage multiple senses.
- **Structured Learning Environment:**
  - Establish clear routines and expectations for assignments and deadlines.
  - Provide well-organized course materials and resources that are easy to navigate.
  - Offer a quiet and focused learning environment to minimize distractions.
- **Frequent Feedback and Positive Reinforcement:**
  - Provide timely and specific feedback on their work, highlighting areas of strength and areas for improvement.
  - Offer constructive criticism in a supportive and encouraging manner.
  - Acknowledge and praise effort and progress, no matter how small.
  - Emphasize learning from mistakes as a crucial part of the design process.
- **Compensatory and Remedial Strategies:**
  - Employ compensatory teaching by altering the presentation of content to bypass weaknesses (e.g., using visuals instead of extensive text).
  - Offer remedial teaching through activities and practices that address specific skill deficiencies (e.g., extra drawing practice).
  - Allow for alternative methods of demonstrating understanding and skills.
- **Peer Support and Collaborative Learning:**
  - Facilitate peer learning opportunities where students can learn from each other.
  - Assign them to supportive and patient peer groups for collaborative projects.
  - Encourage them to articulate their ideas and learn through discussion.
- **Extended Time and Flexible Deadlines:**
  - Consider providing extended time for completing assignments and exams when appropriate.
  - Offer some flexibility in deadlines to accommodate individual learning paces.
- **Relating to Interests and Real-World Connections:**
  - Connect design problems and concepts to their interests and real-world examples to enhance engagement and motivation.
  - Incorporate case studies and examples that resonate with their experiences.

YEAR-2022-23
Initiatives for Advanced Learners

- **Challenging and Open-Ended Projects:**
  - Provide more complex and abstract design briefs that encourage innovative and critical thinking.
  - Offer opportunities for self-directed projects and exploration of individual interests.
  - Encourage them to push boundaries and explore unconventional design solutions.

- **Independent Research and In-Depth Study:**
  - Encourage them to delve deeper into specific areas of interest through independent research and analysis.
  - Provide resources and guidance for advanced readings and theoretical explorations.
  - Facilitate opportunities to present their research and insights.

- **Leadership and Mentoring Roles:**
  - Offer opportunities to mentor and guide their peers, fostering their leadership and communication skills.
  - Encourage them to take initiative in group projects and contribute advanced skills.

- **Exposure to Advanced Tools and Technologies:**
  - Introduce them to cutting-edge software, fabrication techniques, and research methodologies.
  - Provide workshops and training on advanced digital design and analysis tools.

- **Critical Analysis and Evaluation:**
  - Encourage them to critically analyze their own work and the work of others at a sophisticated level.
  - Engage them in discussions that involve complex theoretical frameworks and design philosophies.

- **Real-World Application and Professional Engagement:**
  - Facilitate opportunities for internships, competitions, and collaborations with professionals.
  - Encourage them to engage with contemporary architectural issues and contribute to design discourse.

- **Accelerated Learning Pathways:**
  - Consider offering opportunities to pursue advanced topics or projects at an accelerated pace.
  - Allow them to explore interdisciplinary connections and broaden their skillsets.

- **Developing Specializations:**
  - Support their exploration of potential areas of specialization within architecture and urban design.
  - Offer electives and focused studios that allow for in-depth study in their chosen areas.

ODD 2022-23

Sushant University | School of Art and Architecture

SLOW LEARNERS

Odd Semester (2022-23)

Name of the Course: Structural Systems & Design 6 **Class: 4A & 4B Semester: VII**

Course Code: 19BAR-3SS41T **Course Faculty: Dr. Purva Mujumdar**

Sir/Madam,

The following students mentioned in the list are identified as slower learners (below 50% marks in End Term Exam).

Sr. No.	Name of the Student
1	Mrinal Singh
2	Aashi Mittal
3	Anand Lakra
4	Kashish Bansal
5	Simranjeet Singh
6	Ksheetija Das
7	Tanishq Roy
8	Abhinav Raj
9	Arshnoor Bhullar
10	Triveni Baishya
11	Bhavya Jhanji
12	Anchita Topwal
13	Anjora Khatri
14	Sitab Vikram
15	Udit Singh
16	Raska Sarkar

Purva Mujumdar

COURSE FACULTY **UG/PG HEAD** **DEAN**

Sushant University | School of Art and Architecture

Circular

All the faculties are hereby informed to note that the following Time Table is prepared for remedial coaching for students identified as slow learners.

Dates	23rd Nov 22	25th Nov 22
Time	13:00 pm to 17:00 pm	13:00 pm to 17:00 pm
Course	Structural Systems & Design 6	Structural Systems & Design 6
Faculty	Dr. Purva Mujumdar	Dr. Purva Mujumdar

COURSE FACULTY

UG/PG HEAD

DEAN

Sushant University | School of Art and Architecture

ATTENDANCE

	Dates	23/11/2022		25/11/2022
	Time	13:00 pm to 17:00 pm		13:00 pm to 17:00 pm
	Topic Covered	Framed Structural Systems		Tube Structural Systems
S.No	Name of the student	Attendance		Attendance
1	Mrinal Singh	P	Arshnoor Bhullar	P
2	Aashi Mittal	P	Triveni Baishya	P
3	Anand Lakra	P	Bhavya Jhanji	P
4	Kashish Bansal	P	Anchita Topwal	P
5	Simranjeet Singh	P	Anjora Khatri	P
6	Ksheetija Das	P	Sitab Vikram	P
7	Tanishq Roy	P	Udit Singh	P
8	Abhinav Raj	P	Raska Sarkar	P

COURSE FACULTY

UG/PG HEAD

DEAN

Sushant University | School of Art and Architecture

ADVANCED LEARNERS

Odd Semester (2022-23)

Name of the Course: Structural Systems & Design 4 Class:3A & 3B Semester: V

Course Code: 19BAR-3SS31T Course Faculty: Dr. Purva Mujumdar

Sir/Madam,

The following students mentioned in the list are identified as Advanced Learners (above 80% marks in End Term Exam).

Sr. No.	Name of the Student
1	Shlok Aggarwal
2	Mehr Dandiwal
3	Sanjoli Jain

COURSE FACULTY **UG/PG HEAD** **DEAN**

Sushant University | School of Art and Architecture

MOTIVATION

Sr. No.	Name of the Student	Suggestions by the Faculty (MOOC, soft skills, competition, research, etc.)
1	Shlok Aggarwal	Research
2	Mehr Dandiwal	Research
3	Sanjoli Jain	Research

COURSE FACULTY **UG/PG HEAD** **DEAN**

School of Art & Architecture, Sushant University, Gurugram

Sushant University | School of Art and Architecture

ACHIEVEMENTS

Name of the student	Achievements
Shlok Aggarwal	Working on research paper
Mehr Dandiwal	Working on research paper
Sanjoli Jain	Working on research paper

COURSE FACULTY

UG/PG HEAD

DEAN

Sushant University | School of Art and Architecture

6. ADVANCED LEARNERS

Even Semester (2022-23)

Programme: BFA

Course Name: PAINTING-5 **Class:** 3RD YEAR **Semester:** V

Course Code:21BFA-PA35P **Course Faculty:**David Malaker
Shruti Sarkar

Date: 08 December 2023

Sir/Madam,

The following students mentioned in the list are identified as Advanced Learners (above 80% marks in Mid Term Exam).

Sr. No.	Name of the Student	Marks Obtained (15)
1	Twinkle Sahni	13
2	Priya Yadav	13
3	Ikshita Mehta	13

COURSE FACULTY **UG/PG HEAD** **DEAN**

Sushant University | School of Art and Architecture

6. ADVANCED LEARNERS

Even Semester (2022-23)

ACHIEVEMENTS

Course Name: PAINTING-5 **Class:** 3RD YEAR **Semester:** V

Course Code: 21BFA-PA35P **Course Faculty:** David Malaker
Shruti Sarkar

Date: 08 December 2023

Sr. No.	Name of the student	Achievements
1	Twinkle Sahni	Techniques and skill development
2	Priya Yadav	Techniques and skill development
3	Ikshita Mehta	Techniques and skill development

COURSE FACULTY **UG/PG HEAD** **DEAN**

Sushant University | School of Art and Architecture

6. ADVANCED LEARNERS

Even Semester (2022-23)

MOTIVATION

Course Name: PAINTING-5 **Class:** 3RD YEAR **Semester:** V

Course Code: 21BFA-PA35P **Course Faculty:** David Malaker
Shruti Sarkar

Date: 08 December 2023

Sr. No.	Name of the Student	Suggestions by the Faculty (MOOC, soft skills, competition, research, etc.)
1	Twinkle Sahni	Research, advance techniques and experiment
2	Priya Yadav	Research, advance techniques and experiment
3	Ikshita Mehta	Research, advance techniques and experiment

COURSE FACULTY **UG/PG HEAD** **DEAN**

ODD 2022-23

Sushant University | School of Art and Architecture

SLOW LEARNERS

Odd Semester (2022-23)

Name of the Course: Structural Systems & Design 6 **Class: 4A & 4B Semester: VII**

Course Code: 19BAR-3SS41T **Course Faculty: Dr. Purva Mujumdar**

Sir/Madam,

The following students mentioned in the list are identified as slower learners (below 50% marks in End Term Exam).

Sr. No.	Name of the Student
1	Mrinal Singh
2	Aashi Mittal
3	Anand Lakra
4	Kashish Bansal
5	Simranjeet Singh
6	Ksheetija Das
7	Tanishq Roy
8	Abhinav Raj
9	Arshnoor Bhullar
10	Triveni Baishya
11	Bhavya Jhanji
12	Anchita Topwal
13	Anjora Khatri
14	Sitab Vikram
15	Udit Singh
16	Raska Sarkar

Purva Mujumdar

COURSE FACULTY

UG/PG HEAD

DEAN

Sushant University | School of Art and Architecture

Circular

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Dates	23rd Nov 22	25th Nov 22
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Course	Structural Systems & Design 6	Structural Systems & Design 6
Faculty	Dr. Purva Mujumdar	Dr. Purva Mujumdar

COURSE FACULTY

UG/PG HEAD

DEAN

Sushant University | School of Art and Architecture

ATTENDANCE

	Dates	23/11/2022		25/11/2022
	Time	13:00 pm to 17:00 pm		13:00 pm to 17:00 pm
	Topic Covered	Framed Structural Systems		Tube Structural Systems
S.No	Name of the student	Attendance		Attendance
1	Mrinal Singh	P	Arshnoor Bhullar	P
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4	Kashish Bansal	P	Anchita Topwal	P
5	Simranjeet Singh	P	Anjora Khatri	P
6	Ksheetija Das	P	Sitab Vikram	P
7	Tanishq Roy	P	Udit Singh	P
8	Abhinav Raj	P	Raska Sarkar	P

COURSE FACULTY **UG/PG HEAD** **DEAN**

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5. SLOW LEARNERS

Even Semester (2022-23)

Programme: B.Arch

Course Name: Building Services **Class: 3B** **Semester: VI**

Course Code: 19BAR-3BS32T **Course Faculty: Md Shahroz Alam**

Date: 2 Mar 2023

Sir/Madam,

The following students mentioned in the list are identified as slower learners (below 50% marks in Mid Term Exam).

Sr. No.	Name of the Student	Marks Obtained
1	Abhav Gupta	9
2	Aryan Aggarwal	0
3	Avi Arora	7
4	Ayaan Mobin	5
5	Dhwani Bhanot	9
6	Honey Sheoran	4
7	Hriju Kriti Singhal	8
8	Nabh Singhroha	5
9	Parleen Kaur	5
10	Prachi Gatha	8
11	Radhika Harjai	8
12	Rahul Duseja	5
13	Saloni Jain	8
14	Sambhav Bothra	8
15	Shaureya Jain	8
16	Shubh Rawat	5
17	Sibtain Ishtiaq	7
18	Siddhant Kotak	4
19	Utkarsh Sharma	3
20	Vasudha Sudhinder	15

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COURSE FACULTY UG/PG HEAD DEAN

5. SLOW LEARNERS

Even Semester (2022-23)

CIRCULAR

Name of the Course: Building Services **Class: 3B** **Semester: VI**

Course Code: 19BAR-3BS32T **Course Faculty: Md Shahroz Alam**

Date: 2 Mar 2023

All the faculties are hereby informed to note that the following Time Table is prepared for remedial coaching for students identified as slow learners.

Dates	**7 Mar 23**	**14 Mar 23**	**15 Mar 23**
Time	01:25 pm to 03:10 pm	10:00 am to 3:30 pm	10:00 am to 3:30 pm
Course	Remedial Class	Energy Efficiency	HVAC Systems and Controls
Faculty	Md Shahroz Alam	Abu Talha Farooqi (BEE Certified Master Trainer)	Prachi Gupta (BEE Certified Master Trainer)

COURSE FACULTY UG/PG HEAD DEAN

Sushant University | School of Art and Architecture

5. SLOW LEARNERS

Even Semester (2022-23)

ATTENDANCE

Name of the Course: Building Services **Class: 3B** **Semester: VI**

Course Code: 19BAR-3BS32T **Course Faculty: Md Shahroz Alam**

Date: 7 Mar 2023

Dates		07/03/2023
Time		01:25 pm to 03:10 pm
Topic Covered		Thermal Comfort, HVAC
S.No	**Name of the student**	**Attendance**
1	Abhav Gupta	P
2	Aryan Aggarwal	A
3	Avi Arora	P
4	Ayaan Mobin	P
5	Dhwani Bhanot	P
6	Honey Sheoran	P
7	Hriju Kriti Singhal	P
8	Nabh Singhroha	P
9	Parleen Kaur	P
10	Prachi Gatha	P
11	Radhika Harjai	P
12	Rahul Duseja	P
13	Saloni Jain	P
14	Sambhav Bothra	P
15	Shaureya Jain	P
16	Shubh Rawat	P
17	Sibtain Ishtiaq	P

(Table Continued)

18	Siddhant Kotak	P
19	Utkarsh Sharma	P
20	Vasudha Sudhinder	P

COURSE FACULTY **UG/PG HEAD** **DEAN**

Sushant University | School of Art and Architecture

5. SLOW LEARNERS

Even Semester (2022-23)

ATTENDANCE

Name of the Course: Building Services **Class: 3B** **Semester: VI**

Course Code: 19BAR-3BS32T **Course Faculty: Md Shahroz Alam**

Date: 14 Mar 2023

	Dates	14/03/2023	15/03/2023
	Time	10:00 am to 3:30 pm	10:00 am to 3:30 pm
	Topic Covered	Energy Efficiency	HVAC Systems and Controls
	Dates	14/03/2023	15/03/2023

S.No	Name of the student	Attendance	Attendance
1	Abhav Gupta	P	P
2	Anushka Gupta	P	P
3	Aryan Agarwal	P	P
4	Avi Arora	P	P
5	Ayaan Mobin	P	P
6	Dhwani Bhanot	P	P
7	Honey Sheoran	P	P
8	Inder Das	P	P
9	Khushi Verma	P	P
10	Parleen Kaur	P	P
11	Parv Shah	P	P
12	Radhika Harjai	P	P
13	Rahul Duseja	P	P
14	Riya Agarwal	P	P
15	Saloni Jain	P	P
16	Sambhav Bothra	P	P

MS Alam

(Table Continued)

17	Shaureya Jain	P	P
18	Shaurya Kapoor	P	P
19	Shlok Aggarwal	P	P
20	Shubh Rawat	P	P
21	Sibtain Ishtiaq	P	P
22	Siddhant Kotak	P	P
23	Srishti Saxena	P	P
24	Swasti Jain	P	P
25	Tushar Das	P	P
26	Utkarsh Sharma	P	P
27	Vasudha Sudhinder	P	P
28	Hriju Kirti Singhal	P	P
29	Yashpal Jaitawat	P	P

COURSE FACULTY **UG/PG HEAD** **DEAN**

Sushant University

Academic Year

2021-2022

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YEAR-2021-22	
STEPS UNDERTAKEN FOR SLOW LEARNERS IN THE COURSE	
1	Individual Attention and providing tailored support based on each student's specific learning challenges.
2	Concept Reinforcement by revisiting and simplifying key
3	Skill Enhancement focusing on essential academic skills such as problem-solving and time management.
4	Holding Peer review sessions , discussions and collaborative exercises.
5	Reinforcing theoritical concepts by practical exercises, Site study, Model making ,Personalised Tutoring.
6	Personalized support via remedial classes to foster conceptual clarity & academic improvement.
7	Faculty mentorship ensuring continuous motivation & individualized guidance.
8	Peer-assisted learning sessions

YEAR 2021-202 STEPS UNDERTAKEN FOR ADVANCED LEARNERS IN THE COURSE	
1	Encouraging participation in research projects, paper presentations, and academic publications.
2	Encouraging students to take up advanced certificate courses, MOOCs (Massive Open Online Courses), workshops, and training in emerging technologies and [illegible]
3	Facilitating participation in international immersions, seminars, academic collaborations, and conferences to broaden perspectives and enhance academic depth.
4	Encouraged to pursue MOOCs & certification programs to deepen subject mastery & enhance credentials.
5	Motivated to participate in national & international seminars, conferences & immersion programs for broadened academic perspectives.
6	Permitted to undertake additional credits, enabling intellectual acceleration & academic distinction.

EVEN 2021-22

ANNEXURE-I

SCHOOL OF ART & ARCHITECTURE
Academic Session: EVEN SEM 2021-22

Course Title: : Elective:-Disaster Resiliant Building Semester: VIII (EVEN)

Course Code: 18BAR-6DM42S Course Faculty: Sehba Saleem,

Programme: B.Arch

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.No	Name of the student	Roll No
1	Anantvarman Prasad	180BARCH107
2	Kartik Chaturvedi	180BARCH077

Signature of Course Coordinator/Faculty

Programme Coordinator

Dean

NOTE:
- There are no Advanced Learners in the course for first Assignment.
- The slow-learner students did not arrive for the Remedial class. Hence, their progress remains the same.

ANNEXURE-II

SCHOOL OF ART & ARCHITECTURE

Course Title: : Elective:-Disaster Resiliant Building Semester: VIII

Course Code: 18BAR-6DM42S Course Faculty: Sehba Saleem,

Programme: B.Arch

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	Anantvarman Prasad	180BARCH107
2	Kartik Chaturvedi	180BARCH077

Signature of Course Coordinator/Faculty

Programme Coordinator

Dean

Annexure-III

SCHOOL OF ART & ARCHITECTURE, SUSHANT UNIVERSITY

ATTENDANCE SHEET - Slow Learners

REMEDIAL CLASSES SCHEDULED FOR SLOW LEARNERS

Program/Batch: B.Arch/2018-23 : 18BAR-
Course Code: 6DM42S
Course Title: Elective:-Disaster Resiliant Building

Semester: VIII
Faculty Name: Sehba Saleem,
Date: 22/04/2022

S. no	Enrollment No.	Student name	Date: 18/03/22 Time: 1:30 P.M-3:00P. Student Signature	Date: 24/03/22 Time: 1:30 P.M-3:00P. Student Signature	Date: 31/03/22 Time: 1:30 P.M-3:00P. Student Signature	Date: 06/04/22 Time: 1:30 P.M-3:00P. Student Signature	Date: 13/04/22 Time: 1:30 P.M- Student Signature	Date: 20/04/22 Time: 1:30 P.M-3:00 Student Signature	Remarks (Outcome)
1	Anantvarman Prasad	180BARCH107	A	A	P	P	P	P	
2	Kartik Chaturvedi	180BARCH077	A	P	P	P	A	P	

Faculty Signature:

Annexure-V

SCHOOL OF ART & ARCHITECTURE, SUSHANT UNIVERSITY

LIST OF ADVANCED LEARNERS

Program/Batch: B.Arch/ 2018-23 **Semester: VIII**

Course Code: 18BAR-6DM42S **Faculty Name: Sehba Saleem**

Course Title: Elective:-Disaster Resiliant Building

S.no	Enrollment No.	Student name	Activities done to motivate ADVANCED learners
1	180Barch024	Akarsh jain	NDMA online training program
2	180BARCH008	Anya Ghosh	NDMA online training program
3	180BARCH100	Divya Brahma	NDMA online training program
4	180BARCH061	Isha Saxena	NDMA online training program
5	180BARCH004	Ishan Agarwal	NDMA online training program
6	180BARCH150	Masirah Khan	NDMA online training program
7	202BARCH001	Sania Gupta	NDMA online training program
8	180barch050	savvy jain	NDMA online training program
9	180BARCH111	Tarranam Garg	NDMA online training program

Faculty Signature:

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Academic Year

2020-2021

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YEAR-2020-~~19~~21
Initiatives for Advanced Learners

- **Challenging and Open-Ended Projects:**
  - Provide more complex and abstract design briefs that encourage innovative and critical thinking.
  - Offer opportunities for self-directed projects and exploration of individual interests.
  - Encourage them to push boundaries and explore unconventional design solutions.

- **Independent Research and In-Depth Study:**
  - Encourage them to delve deeper into specific areas of interest through independent research and analysis.
  - Provide resources and guidance for advanced readings and theoretical explorations.
  - Facilitate opportunities to present their research and insights.

- **Leadership and Mentoring Roles:**
  - Offer opportunities to mentor and guide their peers, fostering their leadership and communication skills.
  - Encourage them to take initiative in group projects and contribute advanced skills.

- **Exposure to Advanced Tools and Technologies:**
  - Introduce them to cutting-edge software, fabrication techniques, and research methodologies.
  - Provide workshops and training on advanced digital design and analysis tools.

- **Critical Analysis and Evaluation:**
  - Encourage them to critically analyze their own work and the work of others at a sophisticated level.
  - Engage them in discussions that involve complex theoretical frameworks and design philosophies.

- **Real-World Application and Professional Engagement:**
  - Facilitate opportunities for internships, competitions, and collaborations with professionals.
  - Encourage them to engage with contemporary architectural issues and contribute to design discourse.

- **Accelerated Learning Pathways:**
  - Consider offering opportunities to pursue advanced topics or projects at an accelerated pace.
  - Allow them to explore interdisciplinary connections and broaden their skill sets.

- **Developing Specializations:**
  - Support their exploration of potential areas of specialization within architecture and urban design.
  - Offer electives and focused studios that allow for in-depth study in their chosen areas.

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YEAR-2020-~~19~~21

Initiatives for Slow Learners

- **Scaffolding and Gradual Progression:**
  - Break down complex tasks into smaller, manageable steps with clear guidelines for each stage.
  - Provide step-by-step instructions and visual aids to support understanding.
  - Introduce concepts and skills progressively, building upon prior knowledge.
  - Offer more foundational exercises before moving to complex design problems.
- **Varied Teaching Methods and Multi-Sensory Approaches:**
  - Utilize a variety of teaching methods, including visual presentations, hands-on activities, and verbal explanations, to cater to different learning styles.
  - Incorporate physical model making, drawing, and digital tools to engage multiple senses.
- **Structured Learning Environment:**
  - Establish clear routines and expectations for assignments and deadlines.
  - Provide well-organized course materials and resources that are easy to navigate.
  - Offer a quiet and focused learning environment to minimize distractions.
- **Frequent Feedback and Positive Reinforcement:**
  - Provide timely and specific feedback on their work, highlighting areas of strength and areas for improvement.
  - Offer constructive criticism in a supportive and encouraging manner.
  - Acknowledge and praise effort and progress, no matter how small.
  - Emphasize learning from mistakes as a crucial part of the design process.
- **Compensatory and Remedial Strategies:**
  - Employ compensatory teaching by altering the presentation of content to bypass weaknesses (e.g., using visuals instead of extensive text).
  - Offer remedial teaching through activities and practices that address specific skill deficiencies (e.g., extra drawing practice).
  - Allow for alternative methods of demonstrating understanding and skills.
- **Peer Support and Collaborative Learning:**
  - Facilitate peer learning opportunities where students can learn from each other.
  - Assign them to supportive and patient peer groups for collaborative projects.
  - Encourage them to articulate their ideas and learn through discussion.
- **Extended Time and Flexible Deadlines:**
  - Consider providing extended time for completing assignments and exams when appropriate.
  - Offer some flexibility in deadlines to accommodate individual learning paces.
- **Relating to Interests and Real-World Connections:**
  - Connect design problems and concepts to their interests and real-world examples to enhance engagement and motivation.
  - Incorporate case studies and examples that resonate with their experiences.

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