Bachelor of Architecture

PROGRAM OUTCOME (PO): BACHELOR OF ARCHITECTURE ACADEMIC YEAR 2023-2024

PO1: Architectural Knowledge: From traditional systems to ultra-modern trends imparted holistically in terms of theory, practice and research.

PO2: Professional Competence: Objective driven curriculum and facilitate to achieve competence for the architectural profession.

PO3: Technological Knowhow: ability to comprehend and use technology needed in architectural profession

PO4: Commitment to the society: Crafting sensible and responsible architects for future

PO5: Sustainable Approach: Understanding the impact on environment & sustainable measures.

PO6: Architectural Ethics: Imbibe values of ethical practice in profession and research.

PO7: Collaborative work culture: development of team work and leadership skills

PO8: Communication skills: Developing intellectual, personal and professional abilities through effective communicative skills and use of advanced tools & technology to engage in life-long learning and for multi- disciplinary researches.

Programme Specific Outcome: (PSO)

PSO1: Apply the knowledge of natural condition of site and environment, history and cultural context, building material, construction techniques and services, structural mechanics and building economics to design buildings rationally for user and environment friendly.

PSO2: Apply creative ideas, principles, theory rationally.

PSO3: Apply appropriate methods, media, modern technology to resolve architectural and multi-disciplinary researches.

PSO4: Adhere to professional ethics and serve the society as sensible architect and socially responsible citizens

PSO5: Skill development for communication and collaborative works

Bachelor of Fashion Design

Program outcomes (POs)

PO1: Knowledge of design and fashion principles.

PO2: Analytical and critical thinking in creative processes.

PO3: Application of design and technical skills in fashion illustrations.

PO4: Entrepreneurial andleadership skills in the fashion industry.

PO5: Ethical practice in fashion design and business.

PO6: Sustainability and environmental responsibility in fashion design.

PO7: Communication and collaboration within design teams and professionals. PO8: Adaptability toevolving fashion trends and technologies.

PO9: Global perspective in fashion design and business practices.

PO10: Lifelong learning and continuous professional development in fashion design.

Bachelor of Interior Design

PROGRAM OUTCOME (PO): BACHELOR OF INTERIOR DESIGN

PO1: Design Principles and Elements: Demonstrate a solid understanding of fundamental design principles and elements. Apply these principles to create aesthetically pleasing and functional interior spaces.

PO2: Space Planning: Develop proficiency in space planning, considering factors such as ergonomics, traffic flow, and spatial relationships. Create interior layouts that optimize the use of space for different purposes.

PO3: Material and Finish Selection: Understand various materials and finishes used in interior design. Make informed choices regarding materials based on their properties, sustainability, and aesthetic considerations.

PO4: Color Theory: Apply color theory to create harmonious and mood-appropriate color schemes. Understand the psychological and emotional impact of color in interior spaces.

PO5: Technical Drawing and Rendering: Create accurate technical drawings, floor plans, and elevations. Use digital tools for 3D modeling and rendering to visualize design concepts.

PO6. Furniture Design and Selection: Design custom furniture pieces that complement the overall design concept. Select and arrange furniture to enhance the functionality and aesthetics of interior spaces.

PO7: Lighting Design: Understand the principles of lighting design for different purposes and moods. Integrate natural and artificial lighting effectively in interior spaces.

PO8: Building Codes and Regulations: Demonstrate knowledge of building codes and regulations relevant to interior design. Ensure that design proposals comply with safety, accessibility, and legal requirements.

PO9: Client Communication: Effectively communicate design concepts and proposals to clients. Incorporate client feedback and preferences into the design process.

PO10: Cultural and Historical Context: Understand the historical and cultural context of interior design. Apply this understanding to create designs that are culturally sensitive and contextually relevant.

Swarrnim Institute of Design

Master's in Planning

Programme Outcomes are as follows:
PO1: Apply knowledge of planning theories in practical scenarios.
PO2: Develop critical thinking and analytical skills
PO3: Understand the socio-economic and environmental context of planning.
PO4: Communicate effectively in both written and oral forms
PO5: Demonstrate ethical and professional behavior in planning practice
PO6: Engage with diverse communities and stakeholders.
PO7: Integrate historical knowledge into contemporary planning practices.
PO8: Utilize research methodologies in planning
PO9: Foster sustainable and resilient urban and regional development.
PO10: Innovate and adapt to emerging planning challenges.

SWARRNIM
INSTITUTE OF DESIGNS

Bachelor of Architecture

B. Arch Semester I

Course Title: Foundation Studio

Course Code	Credit	Internal			External	
		Theory	**Continuous Assessment**	**Practical**	**Theory**	**Practical**
33000001	12	20%	10%	20%	--	50%

Course Outcomes (COs)

CO1: Understand the basic architectural design principles, including form, space, and order.
CO2: Develop freehand drawing and sketching skills to communicate design ideas effectively.
CO3: Apply visual and spatial perception to design small-scale architectural projects.
CO4: Use materials and model-making techniques to explore design ideas and concepts.
CO5: Understand the relationship between human scale, ergonomics, and spatial design.
CO6: Work collaboratively in teams to develop and present design projects.
CO7: Engage in the iterative design process, incorporating feedback to refine and improve design solutions.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	Low	Medium	Medium	Low	Low	Low	Medium
CO2	Medium	Low	Medium	Low	Medium	High	Low	Low	Low	Low
CO3	High	High	High	Medium	Medium	Medium	Low	Low	Low	Medium
CO4	Medium	Medium	High	Low	High	Medium	Low	Low	Low	Low
CO5	Medium	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
CO6	Medium	Low	Medium	Low	Medium	High	High	Medium	Medium	Low
CO7	Medium	High	High	Medium	Medium	Medium	Medium	Medium	Medium	Medium

Swarrnim Institute of Design

Bachelor of Architecture

B.Arch Semester I

Course Title: Building Material and Construction - I

Course Code	Credit	Internal			External	
		Theory	**Continuous Assessment**	**Practical**	**Theory**	**Practical**
33000002	6	20%	10%	20%	25%	25%

Course Outcomes (COs)

CO**1**: Understand the basic properties and classification of building materials (e.g., bricks, stone, cement, and timber).

CO2: Analyze the application of different materials in construction techniques.

CO**3**: Develop knowledge of traditional and modern construction methods.

CO**4**: Evaluate the strength and durability of construction materials.

CO**5**: Apply concepts of sustainable and eco-friendly building materials.

CO**6**: Communicate construction details effectively through technical drawings and reports.

CO**7**: Work collaboratively in teams on construction-related projects.

CO**8**: Demonstrate awareness of safety standards and regulations in construction.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Low	Medium	Low	Low	Low	Medium	Low	Low
CO2	High	High	Medium	Low	Medium	Medium	Low	Low	Low	Medium
CO3	Medium	High	High	Medium	Medium	Medium	Low	Low	Low	Medium
CO4	High	Medium	Medium	Medium	Low	Medium	Low	Low	Low	Low
CO5	Medium	Medium	High	Low	High	Medium	Low	Medium	Medium	High
CO6	Medium	Medium	Low	Low	Medium	High	Low	Low	Low	Medium
CO7	Low	Medium	Medium	Low	Medium	Medium	High	Low	Medium	Low
CO8	Medium	Medium	Low	Low	Low	Medium	Medium	High	Medium	Medium

Swarrnim Institute of Design

Bachelor of Architecture

B.Arch Semester I

Course Title: Technical Representation of Drawings - I

Course Code	Credit	Internal			External	
		Theory	**Continuous Assessment**	**Practical**	**Theory**	**Practical**
3300000	3	20%	10%	20%	25%	25%

Course Outcomes (COs):

CO1 : Understand basic architectural drawing principles, standards, and conventions.

CO2 : Develop proficiency in freehand sketching and basic technical drawing techniques.

CO3 : Learn orthographic projections and isometric drawings for architectural representation.

CO4 : Apply proper dimensioning and scale in architectural drawings.

CO5 : Enhance spatial visualization skills to represent three-dimensional objects in two-dimensional formats.

CO6 : Communicate architectural ideas effectively through technical drawings and annotations.

CO7 : Work collaboratively in teams to produce technical drawing projects.

CO8: Critically evaluate technical drawings for accuracy, clarity, and adherence to industry standards.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Low	Low	Medium	Low	Low	Medium	Low	Low
CO2	Medium	Medium	Low	Low	Medium	Medium	Low	Low	Low	Low
CO3	High	High	Medium	Low	Medium	Medium	Low	Low	Low	Medium
CO4	Medium	Medium	Medium	Low	Medium	Medium	Low	Low	Low	Low
CO5	Medium	Medium	High	Low	High	Medium	Low	Medium	Medium	Medium
CO6	Medium	Medium	Low	Low	Medium	High	Low	Low	Low	Medium
CO7	Low	Medium	Medium	Low	Medium	Medium	High	Low	Medium	Low
CO8	Medium	Medium	Low	Low	Low	Medium	Medium	High	Medium	Medium

Swarrnim Institute of Design

Bachelor of Architecture

B.Arch Semester I

Course Title: Humanities

Course Code	Credit	Internal			External	
		Theory	**Continuous Assessment**	**Practical**	**Theory**	**Practical**
33010103	2	40%	10%	-	50 %	-

Course Outcomes (COs):

CO1: Understand the role of humanities in architecture and its influence on society, culture, and history.

CO2: Analyze historical and social contexts to understand architectural evolution.

CO3: Develop awareness of ethical, social, and cultural responsibilities in architectural practice.

CO4: Critically engage with literature, art, and philosophy to inspire architectural design thinking.

CO5: Communicate ideas effectively through essays, discussions, and presentations related to architecture and humanities.

CO6: Work collaboratively to discuss and present views on human values, ethics, and societal issues impacting architecture.

CO7: Apply interdisciplinary perspectives from humanities in formulating architectural solutions to real-world problems.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	Medium	Medium	Low	Low	Low	Medium	Low	High	Medium	High
CO2	Medium	High	Medium	Medium	Low	Medium	Low	High	Medium	High
CO3	Medium	Medium	Medium	Low	Low	Medium	Medium	High	Medium	High
CO4	Low	Medium	Low	Medium	Low	High	Low	High	Medium	Medium
CO5	Medium	Low	Low	Low	Low	High	Low	Medium	Medium	Medium
CO6	Low	Low	Low	Low	Low	Medium	High	Medium	Medium	Medium
CO7	Medium	High	Medium	High	Low	Medium	Medium	High	Medium	High
CO1	Medium	Medium	Low	Low	Low	Medium	Low	High	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B.Arch Semester I

Course Title: Design Communication

Course Code	Credit	Internal Continuous			External	
		Theory	**Assessment**	**Practical**	**Theory**	**practical**
33000002	2	20%	10%	20%	--	50%

Course Outcomes (COs):

CO1: Understand the basic principles and elements of design communication.

CO2: Develop skills in visual representation, sketching, and graphic techniques.

CO3: Apply digital tools and software for architectural communication.

CO4: Create effective architectural presentations and visualizations.

CO5: Communicate architectural ideas effectively through drawings, diagrams, and presentations.

CO6: Explore creative approaches to represent space, form, and structure graphically.

CO7: Work collaboratively to produce design communication materials.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	Low	Medium	Medium	Low	Low	Low	Medium
CO2	Medium	Medium	Low	Low	High	High	Low	Low	Low	Low
CO3	Medium	Medium	Medium	Medium	High	High	Low	Low	Low	Medium
CO4	Medium	Medium	Medium	Low	High	High	Low	Low	Medium	Medium
CO5	Medium	Low	Low	Low	High	High	Medium	Low	Medium	Low
CO6	Medium	Medium	Low	Low	Medium	Medium	Low	Medium	Low	Medium
CO7	Low	Low	Medium	Low	Medium	Medium	High	Low	Medium	Low

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester II

Course Title: Architecture Design - I

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010201	**12**	-	10%	40%	-	50%

Course Outcomes (COs)

CO1: Understanding the relationship between space and structure.
CO2: Developing skills in architectural representation through drawings and models.
CO3: Applying sustainable design principles.
CO4: Mastering fundamental design concepts related to form and function.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	High	High	High	High	High	High	High
CO2	High	High	High	High	High	High	High	High
CO3	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	High	High	High	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester II

Course Title: Building Material & Construction - II

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010202	**6**	**20%**	**10%**	**20%**	**50%**	**-**

Course Outcomes (COs):

CO1: Understanding the properties and uses of construction materials.

CO2: Acquiring skills in construction techniques and methods.

CO3:Understanding the principles of building construction systems.

CO4: Applying construction techniques to small-scale projects.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	High	High	High	High	High	High	High
CO2	High	High	High	High	High	High	High	High
CO3	High	High	High	High	High	High	High	High
CO4	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester II

Course Title: Technical Representation of Drawings - II

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010102	3	-	10%	40%	50%	-

Course Outcomes (COs)

CO1: Understanding the principles of technical architectural drawing.

CO2: Developing skills in drawing complex architectural forms and details.

CO3: Learning to interpret and create architectural drawings with precision.

CO4: Applying industry-standard drawing techniques to architectural projects.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	High	High	High	High	High	High	High
CO2	High	High	High	High	High	High	High	High
CO3	High	High	High	High	High	High	High	High
CO4	High	High	Medium	High	Medium	Low	High	Medium

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester II

Course Title: Structure - I

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010204	2	40%	10%	-	50%	-

Course Outcomes (COs)

CO1: Understanding the basic principles of structural systems in architecture.

CO2: Analyzing structural elements and their behavior under various loads.

CO3: Applying knowledge of structural mechanics to small architectural projects.

CO4: Identifying appropriate construction techniques for different structural systems.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	High	High	High	High	High	High	High
CO2	High	High	High	High	High	High	High	High
CO3	High	High	High	High	High	High	High	High
CO4	Medium	High	Medium	High	Medium	Low	Medium	Medium

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester II

Course Title: Basics of Design

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010205	3	-	10%	40%	-	50%

Course Outcomes (COs):

CO1: Understanding the fundamentals of design principles and elements.
CO2: Developing spatial design thinking and creativity.
CO3: Applying basic concepts of form, color, and texture in design.
CO4: Mastering the representation of design ideas through sketches and models.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	High	High	High	High	High	High	High
CO2	High	High	High	High	High	High	High	High
CO3	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium
CO4	High	High	Low	High	Medium	Low	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester II

Course Title: History of Architecture - I

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010206	2	40%	10%	-	50%	-

Course Outcomes (COs)

CO1: Understanding the historical evolution of architectural styles and movements.

CO2: Analyzing the cultural, social, and environmental factors influencing historical architecture.

CO3: Identifying key architectural developments in ancient and medieval periods.

CO4: Critically examining the impact of historical architecture on contemporary design practices.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Medium	Medium	Medium	Low	Low	High	Medium
CO2	High	High	High	Medium	Medium	Medium	High	High
CO3	Medium	High	Medium	High	Low	Medium	Medium	Medium
CO4	High	High	Medium	High	Medium	Low	High	Medium

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester II

Course Title: Preparing Wider Horizon for Entrepreneurship

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
23000013	2.5	40%	10%	-	500%	-

Course Outcomes (COs):

CO1: Understanding basic entrepreneurship concepts and trends in architectural practice.

CO2: Identifying the challenges and opportunities in starting architectural ventures.

CO3: Developing the entrepreneurial mindset to foster innovation in architecture.

CO4: Exploring business strategies relevant to architectural firms.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Medium	Low	Medium	Medium	Medium	Medium	High
CO2	High	High	Medium	Medium	Low	High	Medium	Medium
CO3	High	High	Medium	Medium	Medium	Low	Medium	High
CO4	High	High	Medium	High	Medium	Medium	Medium	Medium

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester III

Course Title: Architecture Design - II

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010301	.12	-	10%	40%	-	50%

Course Outcomes (COs)

CO1: Develop design skills and apply design principles in architectural projects.

CO2: Analyze and synthesize spatial organization and form.

CO3: Explore and apply various materials and construction techniques in design.

CO4: Integrate sustainability principles into architectural design.

CO5: Communicate architectural ideas effectively through sketches, models, and presentations.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Low	Medium	Medium	Medium	Medium	High	CO1	High
CO2	High	High	Medium	Medium	Low	High	Medium	Medium	CO2	High
CO3	High	High	Medium	Medium	Medium	Low	Medium	High	CO3	High
CO4	High	High	Medium	High	Medium	Medium	Medium	Medium	CO4	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester III

Course Title: Building Material & Construction - III

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010302	6	20%	10%	20%	50%	-

Course Outcomes (COs)
  CO1: Understand and apply principles of structural systems and their components.
  CO2: Analyze different building materials and their properties for construction.
  CO3: Evaluate construction techniques and methodologies relevant to various materials.
  CO4: Design details for construction that ensure safety, stability, and functionality.
  CO5: Integrate sustainable practices and innovative materials into construction design.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6
CO1	High	Medium	High	Low	Low	Low
CO2	High	High	High	Low	Low	Low
CO3	High	High	Medium	Low	Low	Medium
CO4	High	Medium	High	Medium	Low	Low
CO5	Medium	Low	High	Low	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester III

Course Title: Structure - II

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010303	2	40%	10%	-	50%	-

Course Outcomes (COs)

CO1: Understand the fundamental principles of structural mechanics and their applications in architecture.

CO2: Analyze and design different types of structural systems, including beams, columns, and frames.

CO3: Evaluate the behavior of materials under various loads and conditions.

CO4: Apply knowledge of structural systems in the context of architectural design and integration.

CO5: Communicate structural concepts effectively through drawings and presentations

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Low	Medium
CO2	High	High	High	Medium	Medium
CO3	High	High	Medium	Low	Medium
CO4	High	Medium	High	Medium	High
CO5	Medium	Low	High	Low	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester III

Course Title: Environment Science & Services – I

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010304	2	40%	10%	-	50%	-

Course Outcomes (COs):

CO1: Understand the basic principles of environmental science and its relevance to architecture.

CO2: Analyze the impact of built environments on natural ecosystems and human health.

CO3: Apply sustainable practices in the design and management of architectural projects.

CO4: Evaluate various environmental policies and regulations that affect architecture and urban planning.

CO5: Conduct assessments of environmental conditions and propose mitigation strategies.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Low	Medium
CO2	High	High	High	Medium	Medium
CO3	High	High	Medium	Low	Medium
CO4	High	Medium	High	Medium	High
CO5	Medium	Low	High	Low	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester III

Course Title: History of Architecture – II

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010305	**2**	40%	10%	-	50%	-

Course Outcomes (COs):

CO1: Analyze and interpret the major architectural movements and styles from various historical periods.

CO2: Evaluate the influence of socio-political and cultural factors on architectural developments.

CO3: Compare and contrast different architectural styles and their impacts on contemporary architecture.

CO4: Conduct research on specific architectural works and their historical significance.

CO5: Apply historical knowledge to inform design decisions in contemporary architectural practice.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Low	Medium
CO2	High	High	High	Medium	Medium
CO3	High	High	Medium	Low	Medium
CO4	High	Medium	High	Medium	High
CO5	Medium	Low	High	Low	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester III

Course Title: Computer Applications - I

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010306	**4**	40%	10%	-	50%	-

Course Outcomes (COs):

CO1: Understand the basic principles of computer applications in architecture, including software tools and technologies.

CO2: Apply 2D drafting techniques to create architectural drawings and technical documentation.

CO3: Utilize 3D modeling software to develop architectural designs and visualizations.

CO4: Analyze and present architectural information through effective use of graphic representations and presentations.

CO5: Develop skills in utilizing digital tools for project management and collaboration in architectural practice.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Low	Medium
CO2	High	High	High	Medium	Medium
CO3	High	High	Medium	Low	Medium
CO4	High	Medium	High	Medium	High
CO5	Medium	Low	High	Low	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester III

Course Title: Entrepreneurial Motivation

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
23000014	**2.5**	40%	10%	-	50%	-

Course Outcomes (COs)

CO1: Understand the fundamentals of entrepreneurship and its importance in the field of architecture.

CO2: Analyze the characteristics of successful entrepreneurs and identify personal entrepreneurial traits.

CO3: Develop a business plan that incorporates architectural principles and market analysis.

CO4: Evaluate the role of innovation and creativity in entrepreneurial ventures within architecture.

CO5: Apply entrepreneurial skills to identify and exploit opportunities in architectural practice

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Low	Medium
CO2	High	High	High	Medium	Medium
CO3	High	High	Medium	Low	Medium
CO4	High	Medium	High	Medium	High
CO5	Medium	Low	High	Low	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester IV

Course Title: Architecture Design - III

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010401	12	-	10%	40%	-	50%

Course Outcomes (COs):
- **CO1:** Develop a comprehensive understanding of architectural design principles and methodologies.
- **CO2:** Integrate contextual, environmental, and cultural considerations into design proposals.
- **CO3:** Utilize advanced design tools and techniques for architectural visualization and representation.
- **CO4:** Conduct a thorough analysis of user needs and site conditions to inform design decisions.
- **CO5:** Present architectural design projects effectively to diverse audiences through various mediums.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Low	Medium
CO2	High	High	High	Medium	Medium
CO3	High	High	Medium	Low	Medium
CO4	High	Medium	High	Medium	High
CO5	Medium	Low	High	Low	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester IV

Course Title: Building Material & Construction – IV

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010402	6	20%	10%	20%	50%	-

Course Outcomes (Cos:)

CO1: Understand the properties and applications of various building materials used in construction.

CO2: Analyze the construction techniques and methods employed in building projects.

CO3: Evaluate the performance and durability of building materials in different environmental conditions.

CO4: Apply knowledge of materials and construction methods to design and detail building components.

CO5: Develop skills in selecting appropriate materials and construction methods for architectural design projects.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Low	Medium
CO2	High	High	High	Medium	Medium
CO3	High	High	Medium	Low	Medium
CO4	High	Medium	High	Medium	High
CO5	Medium	Low	High	Low	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester IV

Course Title: Structure - III

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010403	2	40%	10%	-	50%	-

Course Outcomes (COs)

  CO1: Understand advanced structural analysis techniques for complex structures.

  CO2: Apply principles of mechanics to evaluate structural behavior under various loads.

  CO3: Design structural components using appropriate materials and methods.

  CO4: Analyze the effects of environmental factors on structural performance.

  CO5: Communicate structural design solutions effectively through drawings and reports.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Medium	High	High	Low	Medium
CO2	Low	High	High	Medium	Low
CO3	Low	High	High	Medium	Medium
CO4	Low	High	Medium	High	Low
CO5	Medium	Medium	High	Low	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester IV

Course Title: Environment Science & Services - II

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010404		40%	10%	-	50%	-

Course Outcomes (COs)

    CO1: Understand the principles of environmental science and their relevance to architecture.

    CO2: Analyze the impact of buildings on the environment and explore sustainable practices.

    CO3: Evaluate the role of natural resources in architectural design and construction.

    CO4: Apply knowledge of environmental policies and regulations in architectural projects.

    CO5: Develop skills for assessing environmental performance in buildings.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Medium	Medium	Low	Medium
CO2	High	High	Medium	Medium	Medium
CO3	Medium	High	High	Medium	Low
CO4	Medium	Medium	Medium	High	Medium
CO5	Low	Medium	High	High	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester IV

Course Title: History of Architecture - III

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010405	2	40%	10%	-	50%	-

Course Outcomes (COs)

CO1: Understand the evolution of architectural styles and movements from various historical periods.

CO2: Analyze significant architectural works and their cultural and historical contexts.

CO3: Evaluate the influence of social, political, and technological factors on architecture.

CO4: Apply knowledge of historical architecture to inform contemporary design practices.

CO5: Develop critical thinking skills in assessing and interpreting architectural history.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Low	Medium	Low	Medium
CO2	High	Medium	High	Low	Medium
CO3	Medium	Low	High	Medium	Low
CO4	High	Medium	Medium	High	Medium
CO5	Medium	Low	High	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester III

Course Title: Computer Applications - II

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010406	4	-	10%	40%	-	50%

Course Outcomes (COs):

  CO1: Understand the principles of computer-aided design (CAD) software and its application in architecture.

  CO2: Develop skills in 3D modeling and visualization techniques using appropriate software tools.

  CO3: Apply digital tools for architectural documentation and presentation.

  CO4: Analyze the role of information technology in enhancing architectural design processes.

  CO5: Communicate design concepts effectively using digital media and presentations.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Low	High	Medium	Low	Medium
CO2	Low	High	High	Low	Medium
CO3	Medium	High	Medium	Low	High
CO4	Low	High	Medium	Medium	Medium
CO5	Medium	Medium	High	Low	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester IV

Course Title: Project Feasibility and Marketing skills

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
23000017	**2.5**	-	10%	40%	-	50%

Course Outcomes (COs)

CO1: Understand the fundamentals of project feasibility analysis and its significance in architectural projects.

CO2: Analyze market trends and demand for architectural services and projects.

CO3: Evaluate the financial aspects of architectural projects, including budgeting and cost estimation.

CO4: Apply marketing strategies to promote architectural services and projects effectively.

CO5: Develop skills in presenting project proposals to clients and stakeholders.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Low	Medium	Medium	Medium
CO2	Medium	Low	High	Low	Medium
CO3	Medium	Low	High	High	Medium
CO4	Low	Low	Medium	High	High
CO5	Medium	Low	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester V

Course Title: Architecture Design - IV

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010501	**12**	-	10%	40%	-	50%

Course Outcomes (COs)

CO1: Develop advanced design skills to create complex architectural solutions.

CO2: Analyze the relationship between built environments and human experiences.

CO3: Incorporate sustainability and environmental considerations into architectural design.

CO4: Utilize advanced tools and technologies for architectural design and presentation.

CO5: Communicate design concepts effectively through various media, including drawings and models.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Medium	High	Medium	Medium
CO2	Medium	Low	High	Medium	Medium
CO3	High	Medium	High	High	Medium
CO4	Low	High	Medium	Low	High
CO5	Medium	Low	High	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester V

Course Title: Building Material & Construction - V

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010502	6	20%	10%	20%	50%	-

Course Outcomes (COs)

CO1: Understand the properties and applications of advanced building materials in construction.
CO2: Analyze construction techniques and methodologies for various types of buildings.
CO3: Evaluate the environmental impact of building materials and construction practices.
CO4: Apply knowledge of building codes and standards in the selection and use of materials.
CO5: Develop skills for effective project management and site supervision during construction.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Low	Medium
CO2	Medium	High	High	Medium	Medium
CO3	Medium	Medium	High	High	Low
CO4	Low	Medium	Medium	High	Medium
CO5	Medium	Low	Medium	High	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester V

Course Title: Structure - IV

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010503	**2**	40%	10%	-	50%	-

Course Outcomes (COs)

CO1: Understand the principles of structural analysis and design for complex architectural systems.
CO2: Analyze the behavior of various structural materials under different loads and conditions.
CO3: Evaluate the application of advanced structural systems in architectural design.
CO4: Apply knowledge of building codes and structural safety in design practice.
CO5: Develop skills for effective communication of structural concepts through drawings and models.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Medium	High	High	Medium	Medium
CO2	Low	High	Medium	Low	Medium
CO3	Medium	High	High	Medium	Medium
CO4	Low	Medium	Medium	High	Medium
CO5	Medium	Low	High	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester V

Course Title: Environment Science & Services – III

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010504	2	40%	10%	-	50%	-

Course Outcomes (COs)

CO1: Understand the principles of environmental science and its relevance to architecture.
CO2: Analyze the impact of built environments on ecological systems and human health.
CO3: Evaluate sustainable practices in building design and construction.
CO4: Apply knowledge of environmental policies and regulations in architectural projects.
CO5: Develop skills for effective communication of environmental concepts in design proposals.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Low	Medium	Medium	Medium
CO2	Medium	Low	High	Medium	Medium
CO3	High	Medium	High	High	Medium
CO4	Medium	Low	Medium	High	Medium
CO5	Medium	Low	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester V

Course Title: History of Architecture - IV

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010505	**2**	40%	10%	-	50%	-

Course Outcomes (COs)

CO1: Understand the major architectural movements and styles from the modern era to the contemporary period.

CO2: Analyze the socio-cultural, political, and economic influences on architectural development.

CO3: Evaluate the impact of technology on architectural design and construction methods.

CO4: Apply knowledge of historical context to contemporary architectural challenges.

CO5: Communicate effectively through written and verbal presentations about historical architecture.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Low	Medium	Low	Medium
CO2	High	Medium	High	Medium	Medium
CO3	Medium	High	Medium	Low	Medium
CO4	Medium	Low	Medium	High	Medium
CO5	Medium	Low	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester V

Course Title: Computer Applications - III

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010506	4	-	10%	40%	-	50%

Course Outcomes (COs):

CO1: Understand the fundamental principles of computer-aided design (CAD) software used in architecture.

CO2: Create 2D and 3D architectural drawings using advanced CAD techniques.

CO3: Analyze and apply computational methods for architectural design and visualization. **CO4:** Evaluate the integration of Building Information Modeling (BIM) in architectural practice. **CO5:** Develop skills to present architectural designs effectively through digital media.**:**

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Medium	High	Medium	Low	Medium
CO2	Low	High	High	Low	Medium
CO3	Low	High	Medium	Low	Medium
CO4	Low	High	Medium	Medium	Medium
CO5	Medium	Low	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester V

Course Title: Scaling up the Venture

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
23000020	2.5	-	10%	40%	-	50%

Course Outcomes (COs)

CO1: Understand the principles and strategies for scaling an architectural venture.
CO2: Analyze market trends and identify opportunities for business growth.
CO3: Develop financial and operational strategies for expanding an architectural practice.
CO4: Apply ethical and sustainable business practices in scaling ventures.
CO5: Communicate business plans and strategies effectively to stakeholders.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Medium	Medium	High	Medium	Medium
CO2	Low	Medium	High	Medium	Medium
CO3	Medium	High	High	Medium	Medium
CO4	Low	Medium	Medium	High	Medium
CO5	Medium	Low	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester VI

Course Title: Architecture Design – V

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010601	12	-	10%	40%	-	50%

Course Outcomes (COs)

CO1: Understand advanced architectural design principles, focusing on complex buildings and urban contexts.

CO2: Analyze spatial, functional, and aesthetic requirements in architectural projects.

CO3: Apply sustainability principles in the design of buildings and urban environments.

CO4: Integrate structural, environmental, and services systems into architectural design.

CO5: Develop skills for presenting architectural design concepts effectively through drawings, models, and digital media.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Medium	High	Medium	Medium
CO2	High	Medium	High	Low	Medium
CO3	Medium	High	High	High	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester VI

Course Title: Building Material & Construction – VI

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010602	**6**	20%	10%	20%	50%	-

Course Outcomes (COs)

CO1: Understand the properties and applications of advanced building materials.
CO2: Analyze construction techniques and their relevance to modern architectural design.
CO3: Evaluate the sustainability of building materials and construction processes.
CO4: Apply construction details and systems in complex building projects.
CO5: Develop skills in preparing working drawings and construction documentation.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Medium	High	Medium	Low	Medium
CO2	Low	High	High	Medium	Medium
CO3	Medium	High	High	High	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester VI

Course Title: Structure - V

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010603	**2**	40%	10%	-	50%	-

Course Outcomes (COs)
- **CO1:** Understand the behavior of complex structural systems in buildings.
- **CO2:** Analyze various structural systems and their suitability for different architectural designs.
- **CO3:** Apply advanced principles of structural mechanics in the design of buildings.
- **CO4:** Evaluate the integration of structural systems with architectural design for safety and functionality.
- **CO5:** Develop skills to collaborate with structural engineers and communicate structural concepts effectively in architectural projects.

CO/PO	PO1	PO2	PO3	PO4	PO5
O1	Medium	High	Medium	Low	Medium
CO2	Low	High	High	Medium	Medium
CO3	Medium	High	High	Medium	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester VI

Course Title: Environment Science & Services - IV

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010604	2	40%	10%	-	50%	-

Course Outcomes (COs)

CO1: Understand the principles of environmental systems in the context of sustainable building design.
CO2: Analyze advanced building services, including HVAC, lighting, and acoustics systems.
CO3: Apply sustainable practices in the selection and design of building services.
CO4: Integrate environmental systems with architectural design for improved efficiency and comfort.
CO5: Communicate the importance of environmental systems and sustainable building practices in architectural projects.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Medium	High	Medium	Medium	Medium
CO2	Low	High	High	Medium	Medium
CO3	Medium	High	High	High	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester VI

Course Title: History of Architecture - V

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010605	2	40%	10%	-	50%	-

Course Outcomes (COs)

CO1: Understand the evolution of modern architecture and its movements from the 20th century to contemporary times.

CO2: Analyze the impact of social, political, technological, and cultural factors on architectural styles and practices.

CO3: Apply knowledge of architectural history to inform contemporary design practices.

CO4: Evaluate the contributions of significant architects and movements to the development of modern architecture.

CO5: Develop critical thinking and communication skills to discuss historical and contemporary architectural trends.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Medium	Medium	Low	Medium
CO2	High	Medium	High	Medium	Medium
CO3	Medium	Medium	High	Medium	Medium
CO4	High	Low	High	Medium	Medium
CO5	Medium	Low	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester VI

Course Title: Computer Applications – IV

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010606	2	40%	10%	-	-	50%

Course Outcomes (COs)

CO1: Understand advanced digital tools and software for architectural design and visualization.
CO2: Analyze the role of computer applications in enhancing the accuracy and efficiency of architectural design processes.
CO3: Apply computational techniques to create detailed architectural models and simulations.
CO4: Integrate digital tools with architectural design for complex building projects.
CO5: Develop skills in using advanced rendering, animation, and presentation tools to communicate design concepts effectively.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Medium	High	Medium	Low	Medium
CO2	Low	High	High	Medium	Medium
CO3	Medium	High	High	Medium	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester VI

Course Title: Idea to Minimum Viable Product

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
23000021	2.5	-	10%	40%	-	50%

Course Outcomes (COs)
CO1: Understand the process of developing an idea into a viable architectural or design product.
CO2: Analyze market needs and user feedback to refine design ideas into a Minimum Viable Product (MVP).
CO3: Apply design thinking principles to create innovative solutions that can be translated into tangible products.
CO4: Evaluate the feasibility of architectural or design products in terms of functionality, cost, and market demand.
CO5: Develop skills in presenting and pitching a Minimum Viable Product to stakeholders, investors, and clients.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Medium	High	High	Medium	Medium
CO2	Low	High	High	Medium	Medium
CO3	Medium	High	High	Medium	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester VII

Course Title: Architectural Design- VI

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010701	**14**	-	10%	40%	-	50%

Course Outcomes (COs)

CO1: Understand advanced design methodologies and principles in architectural projects.

CO2: Analyze complex architectural problems and generate creative and innovative design solutions.

CO3: Apply knowledge of environmental, social, and cultural factors in architectural design.

CO4: Integrate building systems, sustainability, and technology in design projects.

CO5: Develop the ability to present, communicate, and defend design ideas effectively to diverse stakeholders

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Medium	Medium	Medium	Medium
CO2	Medium	Medium	High	Medium	Medium
CO3	Medium	High	High	Medium	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester VII

Course Title: Theory of Architecture

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010702	4	40%	10%	-	50%	-

Course Outcomes (COs)

CO1: Understand the fundamental principles of structural systems and their relevance in architectural design.

CO2: Analyze various structural systems, including their load distribution and behavior under different conditions.

CO3: Apply knowledge of materials and structural theory to solve architectural and engineering challenges.

CO4: Integrate structural considerations with architectural design for efficient and innovative building solutions.

CO5: Develop skills to communicate structural concepts and design decisions effectively to stakeholders, engineers, and clients.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Medium	High	Medium	Medium	Medium
CO2	Low	High	High	Medium	Medium
CO3	Medium	High	High	Medium	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester VII

Course Title: Site Planning

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010703	4	-	10%	40%	50%	-

Course Outcomes (COs)

CO1: Understand the principles and methodologies of site planning and analysis in architectural design.
CO2: Analyse site conditions, including environmental, social, and cultural factors that influence design decisions.
CO3: Apply zoning regulations, building codes, and site development practices to create functional and sustainable site plans.
CO4: Integrate landscape design and infrastructure planning into architectural projects for holisticdevelopment.
CO5: Develop skills in presenting site planning proposals effectively to stakeholders and the community.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Medium	Medium	Medium	Medium
CO2	Medium	High	High	Medium	Medium
CO3	Medium	High	Medium	High	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester VII

Course Title: Design Seminar-I

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010704	**4**	40%	10%	-	-	50%

Course Outcomes (COs)

CO1: Understand contemporary architectural theories and practices through critical discussions and presentations.

CO2: Analyze and critique various design projects and approaches presented by peers and guest speakers.

CO3: Apply research methodologies to investigate current trends and issues in architecture and design.

CO4: Integrate theoretical knowledge with practical design challenges through collaborative projects and presentations.

CO5: Develop effective communication skills to present and defend design ideas and research findings.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Medium	High	Medium	Medium
CO2	Medium	Medium	High	Medium	Medium
CO3	High	Medium	High	Medium	Medium
CO4	Medium	Medium	High	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester VII

Course Title: Construction Management

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010705	2	40%	10%	-	-	50%

Course Outcomes (COs)

CO1: Understand the fundamental principles and processes of construction management in architectural projects.
CO2: Analyze project requirements and develop comprehensive project plans, including time and resource management.
CO3: Apply knowledge of construction techniques, materials, and technologies to optimize project delivery.
CO4: Integrate safety, quality control, and sustainability practices in construction management.
CO5: Develop effective communication and leadership skills to manage construction teams and stakeholders.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Medium	High	Medium	Medium	Medium
CO2	Low	High	Medium	High	Medium
CO3	Medium	High	Medium	High	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture
B. Arch Semester VIII

Course Title: Office Training

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010801	30	-	10%	40%	-	50%

Course Outcomes (COs)

CO1: Understand the functioning and organizational structure of architectural firms and related offices.
CO2: Apply practical skills learned in academic settings to real-world architectural projects and office environments.
CO3: Analyze project workflows, including design, documentation, and project management processes.
CO4: Develop effective communication and teamwork skills necessary for professional collaboration in an architectural setting.
CO5: Reflect on personal learning experiences and professional development during the training period.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Medium	High	Low	Medium	Medium
CO2	Low	High	Medium	Medium	Medium
CO3	Medium	High	High	Medium	Medium
CO4	Medium	Medium	Medium	High	High
CO5	Low	Medium	Medium	High	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester IX

Course Title: Design Practice

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010901	12	-	10%	40%	-	50%

Course Outcomes (COs)

CO1: Understand and apply advanced design theories and methodologies in architectural practice.
CO2: Develop comprehensive architectural solutions that address complex design challenges and client needs.
CO3: Analyze and synthesize information from various sources to inform design decisions and project development.
CO4: Integrate sustainability, technology, and innovation into design proposals.
CO5: Communicate architectural concepts effectively through various mediums, including drawings, models, and presentations.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Medium	Medium
CO2	High	High	High	Medium	Medium
CO3	Medium	Medium	High	Medium	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester IX

Course Title: Design Seminar-II

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010902	6	-	10%	40%	-	50%

Course Outcomes (COs)

CO1: Critically evaluate contemporary architectural theories and practices through in-depth discussions and presentations.

CO2: Analyze various architectural case studies and their impact on design philosophy and practice.

CO3: Conduct independent research on current trends, technologies, and methodologies in architecture.

CO4: Develop the ability to articulate and defend design ideas effectively in front of peers and faculty.

CO5: Collaborate with peers to refine design concepts through constructive critique and feedback.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Medium	High	Medium	Medium
CO2	Medium	Medium	High	Medium	Medium
CO3	High	Medium	High	Medium	Medium
CO4	Medium	Medium	Medium	Medium	High
CO5	Medium	Medium	Medium	High	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester IX

Course Title: Architectural Research & Programming

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010903	4	40%	10%	-	-	50%

Course Outcomes (COs)

CO1: Understand the principles and methodologies of architectural research, including qualitative and quantitative approaches.

CO2: Develop skills in formulating research questions and hypotheses relevant to architectural practice.

CO3: Analyze and synthesize information from diverse sources to inform design programming and decision-making.

CO4: Apply research findings to address architectural challenges and contribute to innovative design solutions.

CO5: Communicate research outcomes effectively through written reports and presentations to various stakeholders.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Medium	Medium
CO2	Medium	High	Medium	Medium	Medium
CO3	Medium	High	High	Medium	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester IX

Course Title: Urban Planning

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010905	4	-	10%	40%	-	50%

Course Outcomes (COs)

- **CO1:** Understand the fundamental principles and theories of urban planning and design.
- **CO2:** Analyze urban environments and assess their spatial, social, and economic dynamics.
- **CO3:** Develop comprehensive urban planning proposals that address community needs and sustainability.
- **CO4:** Apply zoning laws, regulations, and policies in urban design and planning processes.
- **CO5:** Communicate urban planning concepts effectively through various mediums, including presentations, reports, and visualizations.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Medium	Medium
CO2	Medium	High	High	Medium	Medium
CO3	Medium	High	High	High	Medium
CO4	Medium	High	Medium	High	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester IX

Course Title: Elective - Computer Application'

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33010905	4	-	10%	40%	-	50%

Course Outcomes (COs)

CO1: Understand the role of computer applications in architectural design and documentation processes.

CO2: Develop skills in using various software tools for architectural modeling, visualization, and presentation.

CO3: Apply computational techniques to solve complex design problems and improve workflow efficiency.

CO4: Integrate technology with design principles to enhance project outcomes.

CO5: Communicate architectural ideas effectively using digital tools, including reports, presentations, and visual media.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	Medium	High	Medium	Medium	Medium
CO2	Low	High	High	Medium	Medium
CO3	Low	High	High	Medium	Medium
CO4	Medium	High	Medium	Medium	Medium
CO5	Medium	Medium	Medium	Medium	High

Swarrnim Institute of Design

Bachelor of Architecture

B. Arch Semester X

Course Title: Thesis

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
331010001	30	-	-	50%	-	50%

Course Outcomes (COs)

CO1: Formulate a comprehensive architectural thesis topic that demonstrates critical thinking and originality in design.

CO2: Conduct thorough research using both primary and secondary sources to support the thesis topic.

CO3: Develop a coherent thesis structure that integrates research findings with design proposals.

CO4: Present the thesis effectively through written documentation and oral presentations, showcasing the design process and outcomes.

CO5: Engage in critical analysis and feedback sessions to refine the thesis and enhance the quality of the final output.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Medium	High	Medium	Medium
CO2	High	Medium	High	Medium	Medium
CO3	High	Medium	High	Medium	Medium
CO4	Medium	Medium	Medium	Medium	High
CO5	Medium	Medium	Medium	High	High

Swarrnim Institute of Design

Bachelor of Fashion Design

B. FD Semester I

Course Title: Foundation Studio

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33000001	16	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Ability to apply basic design principles in creative projects.

CO2: Understanding the properties of different materials and their use in fashion design.

CO3: Developing drawing and sketching skills for fashion concepts.

CO4: Demonstrating innovative thinking in fashion project execution.

CO5: Collaborating effectively in group projects and presentations.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Low	Low	Medium	Medium	Low	Medium	Low	Medium
CO2	Medium	High	Low	Medium	High	Medium	Low	Low	Medium	Low
CO3	High	Medium	Low	Medium	Medium	Low	Medium	High	Low	Medium
CO4	High	Medium	Low	Medium	High	High	Medium	Low	High	High
CO5	Medium	Low	Low	Low	Medium	Medium	High	High	Medium	Medium

Swarrnim Institute of Design

Bachelor of Fashion Design

B. FD Semester I

Course Title: Design Communication

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33000002	2	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Ability to express design concepts effectively through various media.

CO2: Understanding of visual communication principles in fashion.

CO3: Proficiency in using software tools for design communication.

CO4: Presentation of design ideas through sketches and digital tools.

CO5: Collaboration and teamwork in fashion communication projects.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Low	Low	Medium	High	High	Low	Medium	Medium
CO2	Medium	High	Medium	Medium	High	Medium	High	Medium	Low	Medium
CO3	High	Medium	Low	High	Medium	High	Medium	Low	High	High
CO4	High	Low	Medium	Medium	High	Medium	High	High	Low	Medium
CO5	Medium	Low	Low	Medium	High	High	Medium	Medium	Medium	High

Bachelor of Fashion Design

B. FD Semester I

Course Title: Design Appreciation

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33000003	10	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

- **CO1:** Understanding the evolution of design movements and their influence on fashion.
- **CO2:** Ability to critically evaluate design aesthetics.
- **CO3:** Appreciation of design principles in various cultural contexts.
- **CO4:** Identifying the role of technology in design evolution.
- **CO5:** Understanding sustainability and ethics in design practices.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	Low	Medium	High	Low	Medium	High	Medium
CO2	High	Medium	Medium	Low	Medium	High	Medium	Medium	Low	High
CO3	Medium	Medium	High	Low	High	Medium	Medium	Low	Medium	Medium
CO4	Low	Medium	Low	High	Medium	Medium	Low	Medium	High	Medium
CO5	High	Medium	Medium	Low	High	High	Low	Medium	High	High

Swarrnim Institute of Design

Bachelor of Fashion Design

B. FD Semester I

Course Title: Introduction to Entrepreneurship

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	23000007	4	30					

Course Outcomes (COs)

CO1: Understanding entrepreneurial concepts and theories.
CO2: Identifying the challenges and opportunities in launching a new venture.
CO3: Developing creative solutions for business problems through innovation.
CO4: Nurturing an entrepreneurial mindset through leadership and decision-making skills.
CO5: Recognizing the importance of ethical business practices and sustainability.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	High	Medium	Medium	Medium	High	Medium	High
CO2	Medium	Medium	High	High	Low	Low	High	Medium	Medium	Medium
CO3	High	High	Medium	Medium	Medium	Medium	Medium	High	Medium	Medium
CO4	High	High	Medium	High	High	Medium	High	Medium	Medium	High
CO5	High	High	Medium	High	High	Medium	High	Medium	Medium	Medium

Bachelor of Fashion Design

B. FD Semester I

Course Title: Orientation Program in Start-up and Entrepreneurship

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	12300009	3	30					

Course Outcomes (COs)

CO1: Introduction to entrepreneurial concepts and business ideation.
CO2: Understanding the start-up ecosystem and identifying opportunities.
CO3: Acquiring basic knowledge of business models and market analysis.
CO4: Developing entrepreneurial skills through case studies and real-world examples.
CO5: Recognizing the importance of innovation, creativity, and risk-taking in entrepreneurship.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	High	Medium	Medium	Medium	High	Medium	High
CO2	Medium	Medium	High	High	Low	Medium	High	Medium	Medium	Medium
CO3	High	High	Medium	Medium	Medium	Medium	Medium	High	Medium	Medium
CO4	High	High	Medium	High	High	Medium	High	Medium	Medium	High
CO5	High	High	Medium	High	High	Medium	High	Medium	Medium	Medium

Bachelor of Fashion Design

B. FD Semester II

Course Title: Fashion Drawing and Illustration - I

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050201	6	30	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understanding the basic principles of fashion drawing and human anatomy.
CO2: Developing skills in sketching different poses and body proportions.
CO3: Gaining expertise in rendering fabrics and textures in fashion illustrations.
CO4: Learning to illustrate fashion garments and accessories with attention to detail.
CO5: Understanding the application of color theory in fashion illustration.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	High	Medium	Low	Medium	Low	Medium	High
CO2	High	High	High	High	Medium	Medium	High	Medium	Medium	High
CO3	High	High	High	Medium	Medium	High	High	Low	Medium	Medium
CO4	Medium	High	Medium	High	High	Medium	High	Medium	Medium	High
CO5	High	High	Medium	High	High	Medium	High	Medium	Medium	High

Bachelor of Fashion Design

B. FD Semester II

Course Title: Pattern Making- I

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050202	6	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understanding the basic principles and techniques of pattern making.

CO2: Developing the ability to draft basic blocks and patterns for garments.

CO3: Learning to apply measurements and body proportions in pattern development.

CO4: Gaining skills in altering and grading patterns for different sizes.

CO5: Understanding the importance of precision and accuracy in pattern making for garment construction.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	High
CO2	High	High	High	High	Medium	High	High	Medium	Medium	High
CO3	High	High	High	Medium	Medium	Medium	High	Low	Medium	Medium
CO4	High	High	High	Medium	High	Medium	High	Medium	Medium	High
CO5	High	High	Medium	High	High	Medium	High	Medium	Medium	High

Bachelor of Fashion Design

B. FD Semester II

Course Title: Draping -I

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050203	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understanding the basic principles of fabric draping on dress forms.
CO2: Developing the ability to create garment designs through draping techniques.
CO3: Gaining skills in manipulating fabric to achieve desired silhouettes and styles.
CO4: Learning to create garment patterns through draping techniques for different body types.
CO5: Understanding the importance of fabric behavior in draping for garment construction.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	High
CO2	High	High	High	High	Medium	High	High	Medium	Medium	High
CO3	High	High	High	Medium	Medium	Medium	High	Low	Medium	Medium
CO4	High	High	High	Medium	High	Medium	High	Medium	Medium	High
CO5	High	High	Medium	High	High	Medium	High	Medium	Medium	High

Bachelor of Fashion Design

B. FD Semester II

Course Title: Garment Construction - I

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050204	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understanding the basic techniques and processes in garment construction.

CO2: Developing skills in sewing, stitching, and finishing garments.

CO3: Learning how to use different types of machines and tools in garment construction.

CO4: Acquiring knowledge in constructing basic garments like skirts, blouses, and dresses.

CO5: Understanding quality control measures and the importance of precision in garment production.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	High	Medium	Medium	Medium	Medium	Low	High
CO2	High	High	High	High	Low	High	High	Medium	Medium	High
CO3	High	High	High	Medium	Medium	High	High	Low	Low	Medium
CO4	High	High	High	High	Medium	Medium	High	Low	Medium	High
CO5	High	Medium	Medium	High	High	Medium	High	Medium	Medium	High

Bachelor of Fashion Design

B. FD Semester II

Course Title: Surface Techniques - I

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050205	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understanding various surface ornamentation techniques such as embroidery, block printing, and fabric painting.

CO2: Developing skills in embellishing fabrics with different textures and patterns.

CO3: Learning to combine traditional and contemporary surface techniques in fabric design.

CO4: Gaining knowledge in using surface techniques to enhance the aesthetic appeal of garments.

CO5: Understanding surface ornamentation's cultural significance and history in fashion.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	High	Medium	Medium	Medium	Low	Medium	High
CO2	High	High	High	High	Low	High	High	Medium	Medium	High
CO3	High	High	High	Medium	Medium	High	High	Medium	Medium	Medium
CO4	High	High	High	Medium	High	Medium	High	Medium	Low	High
CO5	High	Medium	Medium	High	High	Medium	High	Medium	Medium	High

Bachelor of Fashion Design

B. FD Semester II

Course Title: Fabric Study

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
Major/ Core	33050206	2	60	Theory	Continuous Assessment	Practical	Theory	Practical
				50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understanding the properties and characteristics of various fabrics.

CO2: Developing knowledge of the classification of textiles based on fiber type, weave, and finish.

CO3: Learning the process of fabric production, from fiber to finished textile.

CO4: Gaining the ability to select appropriate fabrics for different garment types.

CO5: Understanding the impact of fabric quality on garment construction and design.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	High	Medium	Medium	Medium	Medium	Low	High
CO2	High	High	High	High	Medium	High	High	Medium	Medium	High
CO3	High	High	High	Medium	Low	High	High	Medium	Medium	Medium
CO4	High	High	High	High	High	Medium	High	Low	Medium	High
CO5	High	Low	Medium	High	High	Medium	High	Medium	Medium	High

Bachelor of Fashion Design

B. FD Semester II

Course Title: History of Design - I

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050207	2	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understanding the evolution of design and its significance through different historical periods.

CO2: Developing knowledge of various design movements and their impact on fashion and society.

CO3: Analyzing the cultural, social, and technological influences on design history.

CO4: Gaining insight into iconic designers and their contributions to the field of fashion design.

CO5: Learning to apply historical design concepts to contemporary fashion design practices.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Medium	High
CO2	High	High	High	Medium	Medium	Medium	High	Low	Medium	High
CO3	High	High	Medium	Low	Medium	High	Medium	Medium	Medium	Medium
CO4	High	High	High	Medium	High	Medium	High	Medium	Medium	High
CO5	High	High	High	High	High	Medium	High	Medium	Low	High

B. FD Semester III

Course Title: Introduction to Design (DCC)

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050301	2	30	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understand the foundational concepts of design and their application in fashion.

CO2: Learn to apply design principles such as balance, proportion, rhythm, and harmony in creating fashion pieces.

CO3: Develop skills in sketching and visualizing fashion concepts using manual and digital techniques.

CO4: Analyze the relationship between materials, textures, and color in fashion design.

CO5: Gain an understanding of how cultural, historical, and social contexts influence fashion design.

CO6: Apply creative problem-solving techniques to design projects, reflecting innovation in fashion concepts.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Medium	High	High	Medium	Medium	Medium	Medium
CO2	High	High	Low	Medium	Medium	Medium	Medium	High
CO3	Medium	High	Medium	Medium	Medium	High	Medium	High
CO4	High	Medium	High	High	High	Medium	Low	Medium
CO5	Low	Medium	High	High	High	Medium	Medium	Medium
CO6	High	High	Medium	Medium	Medium	Medium	High	High

B. FD Semester III

Course Title: Fashion Drawing and Illustration - II

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050302	4	30	50%	50%	50%	50%	50%

Course Outcomes (COs)

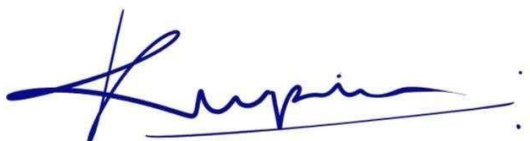CO1: Develop advanced fashion drawing techniques to depict garments and accessories with accurate proportions and detailing.

CO2: Illustrate fashion figures with an emphasis on posture, movement, and fabric draping.

CO3: Apply color theory and rendering techniques to create realistic and stylized fashion illustrations.

CO4: Create digital illustrations using industry-standard software to producehigh-quality fashion presentations.

CO5: Understand and incorporate diverse cultural influences in fashion illustration to reflect global fashion trends.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	High	Medium	Medium	Low	Low	Low
CO2	Medium	High	High	Medium	Medium	Low	Low
CO3	High	Medium	High	Medium	Medium	Low	Low
CO4	Medium	High	Medium	Medium	Low	High	Medium
CO5	High	Medium	High	High	High	Medium	High

SWARRNIM INSTITUTE OF DESIGNS

Bachelor of Fashion Design

B. FD Semester III

Course Title: Garment Construction - II

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050303	4	30	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Apply advanced garment construction techniques to precisely produce tailored garments.

CO2: Understand the technical aspects of different fabric types and how they influence garment construction. CO3: Construct complex garment components such as collars, cuffs, and tailoredsleeves.

CO4: Utilize industry-standard tools and equipment to ensure accurate garment fitting and finishing.

CO5: Analyze and troubleshoot construction issues to improve garment quality and durability.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	High	Medium	Medium	High	Medium	Low
CO2	High	Medium	High	Medium	Medium	Low	Medium
CO3	Medium	High	High	Medium	Medium	Low	Low
CO4	Medium	High	Medium	High	High	Medium	Low
CO5	High	Medium	High	High	High	Medium	Medium

B. FD Semester III

Course Title: Pattern Making - II

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
Major/ Core	33050304	6	60	Theory	Continuous Assessment	Practical	Theory	Practical
				50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Develop advanced pattern-making techniques for creating complex garment structures.

CO2: Understand the technical aspects of draping, flat pattern-making, and drafting for diverse body types.

CO3: Create patterns for tailored garments, including jackets, blazers, and outerwear.

CO4: Apply industry-standard tools and techniques to ensure precision in pattern grading and cutting.

CO5: Analyze fit issues and make pattern adjustments to ensure proper garment fitting.

Program outcomes (POs)

PO1: Demonstrate a comprehensive understanding of pattern-making principles and techniques.

PO2: Exhibit technical proficiency in manipulating patterns for various garment types and silhouettes.

PO3: Analyze and solve fitting challenges using advanced pattern alteration techniques.

PO4: Apply creative and critical thinking to develop innovative garment patterns that meet industry standards.

PO5: Incorporate sustainability principles in pattern-making to minimize fabric waste and improve efficiency.

PO6: Collaborate effectively in a team setting to produce high-quality patterns that meet professional standards.

PO7: Utilize digital tools for pattern-making, grading, and documentation in a professional environment.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	High	Medium	Medium	Medium	Low	Low
CO2	High	High	High	Medium	Medium	Low	Medium
CO3	Medium	High	High	High	Low	Medium	Medium
CO4	Medium	High	Medium	High	High	Medium	High
CO5	High	Medium	High	Medium	Medium	Medium	Medium

Bachelor of Fashion Design

B. FD Semester III

Course Title: Draping - II

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
Major/ Core	33050305	2	30	Theory	Continuous Assessment	Practical	Theory	Practical
				50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Develop advanced draping techniques for complex garment designs, including asymmetrical and sculptural shapes.

CO2: Understand fabric behavior and how different textiles affect draping outcomes and garment structure.

CO3: Apply precision in draping tailored garments such as jackets, coats, and structured dresses.

CO4: Utilize advanced draping tools and equipment to create professional-quality garments.

CO5: Troubleshoot and refine draped designs to achieve optimal fit, balance, and silhouette.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	High	Medium	Medium	Medium	Low	Low
CO2	High	High	High	Medium	Medium	Low	Medium
CO3	Medium	High	High	High	Low	Medium	Medium
CO4	Medium	High	Medium	High	High	Medium	High
CO5	High	Medium	High	Medium	Medium	Medium	Medium

Course Title: Surface Techniques - II

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050306	6	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Develop advanced draping techniques for complex garment designs, including asymmetrical and sculptural shapes.

CO2: Understand fabric behavior and how different textiles affect draping outcomes and garment structure.

CO3: Apply precision in draping tailored garments such as jackets, coats, and structureddresses.

CO4: Utilize advanced draping tools and equipment to create professional-quality garments.

CO5:Troubleshoot and refine draped designs to achieve optimal fit, balance, and silhouette.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	High	Medium	Medium	Medium	Low	Low
CO2	High	High	High	Medium	Medium	Low	Medium
CO3	Medium	High	High	High	Low	Medium	Medium
CO4	Medium	High	Medium	High	High	Medium	High
CO5	High	Medium	High	Medium	Medium	Medium	Medium

Course Outcomes (COs)

⬜ CO1: Understand the key theories of fashion, including the history and evolution of styles, trends, and cultural influences.

CO2: Analyze fashion movements and how social, political, and economic factors shape fashion trends and styling choices.

CO3: Develop the ability to create fashion looks by integrating various elements such as clothing, accessories, and hairstyles for different occasions and purposes.

CO4: Apply contemporary styling techniques to create visual fashion stories for editorial, commercial, or personal styling purposes.

CO5: Evaluate the impact of sustainability and ethical considerations in styling and fashion presentation.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	High	Medium	Medium	Low	Low	Low
CO2	High	High	Medium	Medium	Medium	Low	Low
CO3	Medium	Medium	High	High	Low	Medium	Medium
CO4	Medium	Medium	High	High	Medium	Medium	High
CO5	Medium	Low	Medium	Medium	High	Low	Medium

Course Title: Fashion Drawing and Illustration - III

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050401	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

- CO1: Master advanced techniques in fashion illustration, including the use of digital tools for rendering detailed designs.
- CO2: Develop the ability to illustrate complex garments and accessories, including layering, textures, and intricate detailing.
- CO3: Demonstrate proficiency in creating technical drawings and flat sketches for garment
- production. CO4: Apply knowledge of figure drawing and proportions to depict a wide range of body types and poses in fashion illustration.
- CO5: Integrate creativity and personal style in illustrations while adhering to industry standards and specifications.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	High	Medium	Medium	Low	Low	High
CO2	High	High	Medium	Medium	Medium	Low	Medium
CO3	Medium	High	High	Medium	Low	Medium	High
CO4	Medium	Medium	Medium	High	Low	Medium	Medium
CO5	High	Medium	High	Medium	Medium	Medium	High

B. FD Semester IV

Course Title: Pattern Making - III

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050402	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

- CO1: Master advanced pattern-making techniques for complex garment structures, such as asymmetrical designs and unconventional silhouettes.
- CO2: Develop the ability to draft patterns for tailored garments, including jackets, blazers, and suits with precision.
- CO3: Apply knowledge of fabric behavior to create patterns that ensure proper fit, structure, and drape. CO4: Demonstrate proficiency in grading patterns for different sizes while maintaining design integrity. CO5: Integrate digital pattern-making tools to enhance accuracy and efficiency in pattern development.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	High	Medium	High	Low	Low	Medium
CO2	High	High	Medium	High	Low	Medium	High
CO3	Medium	High	High	Medium	Medium	Medium	High
CO4	Medium	Medium	High	High	Medium	Medium	Medium
CO5	High	Medium	Medium	Medium	High	Low	High

Bachelor of Fashion Design

B. FD Semester IV
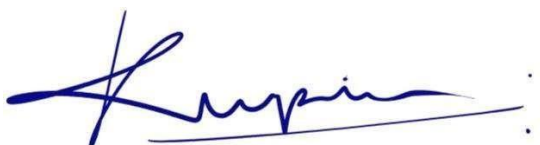
Course Title: Draping - III

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050403	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

- CO1: Master advanced draping techniques for complex garment designs, including asymmetrical, structured, and layered silhouettes.
- CO2: Develop proficiency in draping various fabric types to create garments with proper fit, flow, and balance.
- CO3: Apply creative draping methods to translate design concepts into three-dimensional garments.
- CO4: Demonstrate the ability to create draped garments for different body types and occasions, focusing on both aesthetics and functionality.
- CO5: Integrate digital tools and contemporary techniques to enhance the precision and efficiency of the draping process.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	High	Medium	High	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Low	Medium
CO3	Medium	High	High	Medium	Medium	Medium	Medium
CO4	Medium	Medium	High	High	Low	Medium	Medium
CO5	High	Medium	Medium	Medium	High	Low	High

Course Title: Garment Construction - III

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050404	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

- CO1: Master advanced garment construction techniques, focusing on structured and tailored garments such as jackets, blazers, and coats.
- CO2: Develop proficiency in working with diverse fabrics and materials, ensuring high-quality finishes and durability.
- CO3: Demonstrate the ability to construct garments with complex design elements, including linings, pockets, and collars.
- CO4: Apply knowledge of garment construction to create designs that balance aesthetics with functionality and fit.
- CO5: Integrate digital tools and modern construction techniques to enhance garment production processes.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	High	Medium	High	Low	Medium	Medium
CO2	High	High	Medium	Medium	Medium	Low	Medium
CO3	Medium	High	High	Medium	Medium	Medium	Medium
CO4	Medium	Medium	High	High	Low	Medium	Medium
CO5	High	Medium	Medium	Medium	High	Low	High

B. FD Semester IV

Course Title: Surface Techniques - III

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050405	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

- CO1: Master advanced surface embellishment techniques, including embroidery, printing, and fabric manipulation, for fashion textiles.
- CO2: Develop proficiency in combining multiple surface techniques to create unique, intricate designs for fashion garments.
- CO3: Apply knowledge of materials and surface design techniques to enhance the aesthetic and tactile quality of fabrics.
- CO4: Experiment with innovative surface design methods to create contemporary and avant-garde fashion statements.
- CO5: Integrate sustainable and ethical practices in surface design by using eco-friendly materials and reducing waste.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	Medium	Medium	High	Low	Medium	Medium
CO2	High	High	Medium	Medium	Medium	Low	Medium
CO3	Medium	High	High	Medium	Medium	Medium	Medium
CO4	Medium	Medium	High	High	Low	Medium	Medium
CO5	High	Medium	Medium	Medium	High	Low	High

Bachelor of Fashion Design

B. FD Semester IV

Course Title: Design Process - I

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050406	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understand the fundamental stages of the design process, including research, ideation, and conceptualization for fashion collections.

CO2: Develop the ability to create mood boards, inspiration boards, and concept sheets to effectively communicate design ideas.

CO3: Apply design thinking to solve complex problems related to fashion design and translate them into innovative design solutions.

CO4: Demonstrate proficiency in developing a cohesive design collection from concept to final designs, considering trends and market needs.

CO5: Incorporate sustainable and ethical design practices throughout the design process, from ideation to production planning.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	High	Medium	Medium	Low	High	Medium
CO2	High	High	Medium	Medium	Medium	Medium	Medium
CO3	Medium	High	High	Medium	Medium	High	Medium
CO4	Medium	High	Medium	High	Low	High	Medium
CO5	High	Medium	Medium	Medium	High	Medium	High

Bachelor of Fashion Design

B. FD Semester IV

Course Title: History of Design - II

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050407	2	30	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understand the evolution of design through various historical periods and its cultural significance. CO2: Analyze the influence of historical designs on contemporary fashion trends. CO3: Critically evaluate the impact of socio-political and technological changes on design movements. CO4: Apply knowledge of historical design trends to inspire and inform creative design solutions.

CO5: Demonstrate an understanding of the relationship between art, design, and fashion throughout history.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	Medium	Low	Medium	High	Low	Medium
CO2	Medium	High	Medium	High	High	Low	Medium
CO3	Low	Medium	Low	High	High	Medium	Low
CO4	High	Medium	High	High	Medium	Low	High
CO5	High	Medium	Medium	Medium	High	Medium	Medium

Bachelor of Fashion Design

B. FD Semester IV

Course Title: Digital Design - I

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050408	2	30	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understand the fundamentals of digital design tools and software used in the fashion industry.
CO2: Develop proficiency in creating digital illustrations, patterns, and layouts.
CO3: Apply digital techniques to translate design concepts into virtual representations.
CO4: Integrate technical skills in digital design with creative fashion design practices.
CO5: Produce professional digital presentations and portfolios for fashion design projects.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	Medium	Medium	Medium	High	Low	High
CO2	High	Medium	High	High	Medium	Medium	High
CO3	Medium	Low	High	High	Medium	Low	High
CO4	High	Medium	High	High	High	Low	High
CO5	Medium	Low	Medium	Medium	High	Medium	High

Bachelor of Fashion Design

B. FD Semester IV

Course Title: Project feasibility and Marketing Skills

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	23000017	2.5	30					

Course Outcomes (COs)

CO1: Understand the principles of project feasibility analysis in the context of fashion design.

CO2: Conduct market research to assess the viability of fashion projects.

CO3: Develop marketing strategies tailored to fashion industry needs and trends.

CO4: Apply financial and operational planning to evaluate project feasibility.

CO5: Demonstrate skills in presenting project proposals and marketing plans effectively.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	Medium	High	Medium	High	Medium	Medium	Medium
CO2	Medium	High	Medium	High	High	Medium	High
CO3	High	High	High	High	High	Medium	High
CO4	Medium	Medium	Medium	High	High	High	Medium
CO5	Medium	Medium	Medium	High	Medium	High	High

Bachelor of Fashion Design

B. FD Semester IV

Course Title: Intermediate Program in Entrepreneurship

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	12300012	3	30					

Course Outcomes (COs)

CO1: Understand the key concepts and challenges of entrepreneurship in the fashion industry.

CO2: Analyze the role of innovation and creativity in developing a successful fashion business.

CO3: Develop a business plan, including financial projections and operational strategies.

CO4: Apply entrepreneurial skills to identify opportunities and solve problems in the fashion sector.

CO5: Demonstrate the ability to pitch business ideas effectively to potential investors and stakeholders.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	Medium	Medium	High	High	Medium	Medium
CO2	High	Medium	High	High	High	Medium	High
CO3	Medium	High	High	High	High	High	High
CO4	Medium	High	High	High	Medium	High	High
CO5	Medium	Medium	Medium	High	High	High	High

Course Title: Fashion Drawing and Illustration - IV

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
Major/ Core	33050501	4	60	Theory	Continuous Assessment	Practical	Theory	Practical
				50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Master advanced techniques in fashion drawing and illustration, focusing on precision and detail.

CO2: Create dynamic fashion illustrations that effectively communicate design concepts and garment details.

CO3: Explore a variety of illustration styles and mediums to enhance visual storytelling in fashion design.

CO4: Apply digital tools to produce professional-quality fashion illustrations.

CO5: Demonstrate the ability to present a cohesive portfolio of fashion illustrations for a collection.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	Low	High	Medium	Medium	Low	High
CO2	High	Medium	High	Medium	Medium	Medium	High
CO3	High	Medium	High	High	Medium	Low	Medium
CO4	Medium	Low	High	High	Medium	Low	High
CO5	Medium	Medium	High	High	Medium	Medium	High

Bachelor of Fashion Design

B. FD Semester V

Course Title: Pattern Making - IV

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050502	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Master advanced techniques in pattern making for complex garment structures.

CO2: Develop patterns for garments with intricate design details, focusing on precision and fit.

CO3: Understand the relationship between fabric behavior and pattern construction for various textiles.

CO4: Apply digital tools and software in the pattern-making process to enhance accuracy and efficiency.

CO5: Demonstrate the ability to create patterns for a cohesive fashion collection.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	Medium	High	High	Medium	Low	Medium
CO2	High	Medium	High	High	High	Medium	Medium
CO3	High	Medium	High	High	High	Low	Medium
CO4	Medium	Low	High	High	Medium	Low	High
CO5	High	Medium	High	High	High	Medium	High

Course Title: Draping - IV

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
Major/ Core	33050503	4	60	Theory	Continuous Assessment	Practical	Theory	Practical
				50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Master advanced draping techniques to create complex and innovative garment designs.

CO2: Analyze fabric behavior and its impact on the draping process for various garment styles. CO3: Develop draped garments with intricate design elements, focusing on precision and fit.

CO4: Integrate creative design concepts with technical draping methods for diverse textiles.

CO5: Demonstrate the ability to present a collection of draped garments with professional finishing.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	Medium	High	High	Medium	Low	Medium
CO2	High	Medium	High	High	High	Low	Medium
CO3	High	Medium	High	High	High	Medium	Medium
CO4	High	Medium	High	High	High	Medium	High
CO5	Medium	Medium	High	High	Medium	Medium	High

Bachelor of Fashion Design

B. FD Semester V

Course Title: Garment Construction - IV

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050504	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Master advanced garment construction techniques for complex garments.

CO2: Apply precision in stitching, seam finishes, and garment detailing.

CO3: Understand the impact of fabric properties on garment construction and finishing techniques.

CO4: Integrate creative design concepts into practical garment construction with high-quality standards.

CO5: Demonstrate the ability to construct garments for a cohesive fashion collection, ensuring professional- level finishing and fit.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	Medium	High	High	Medium	Low	Medium
CO2	High	Medium	High	High	High	Low	Medium
CO3	High	Medium	High	High	High	Low	Medium
CO4	High	Medium	High	High	High	Medium	High
CO5	High	Medium	High	High	High	Medium	High

B. FD Semester V

Course Title: Surface Techniques - IV

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050505	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Master advanced surface techniques for enhancing garment aesthetics, such as embroidery, printing, and embellishments.

CO2: Explore and experiment with innovative materials and techniques to create unique surface designs.

CO3: Understand the relationship between fabric structure and surface treatment for optimal design outcomes.

CO4: Apply surface techniques to design garments with a strong visual identity and creativity.

CO5: Demonstrate the ability to incorporate surface techniques into a cohesive fashion collection.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	Medium	High	High	Medium	Low	Medium
CO2	High	Medium	High	High	High	Low	Medium
CO3	High	Medium	High	High	High	Low	Medium
CO4	High	Medium	High	High	High	Medium	High
CO5	High	Medium	High	High	High	Medium	High

Bachelor of Fashion Design

B. FD Semester V

Course Title: Design Process - II

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050506	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Develop an advanced understanding of the design process from concept to realization.

CO2: Apply research and analysis to create design concepts based on fashion trends, history, and cultural influences.

CO3: Integrate creative problem-solving methods into the design development process.

CO4: Translate design concepts into functional and aesthetically pleasing garment collections.

CO5: Demonstrate the ability to present and communicate design projects professionally.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	Medium	High	High	Medium	Low	Medium
CO2	High	High	Medium	High	High	Medium	Medium
CO3	High	Medium	High	High	Medium	Low	High
CO4	High	Medium	High	High	High	Low	High
CO5	Medium	Medium	High	High	Medium	Medium	High

Bachelor of Fashion Design

B. FD Semester V

Course Title: History of Design - III

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
Major/ Core	33050507	2	30	Theory	Continuous Assessment	Practical	Theory	Practical
				50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Analyze significant movements in fashion history and their impact on contemporary design.

CO2: Identify key designers and their contributions to fashion evolution through different periods.

CO3: Evaluate the socio-cultural influences on design trends and aesthetics throughout history.

CO4: Research and present findings on historical design practices and their relevance to modern fashion.

CO5: Develop a critical understanding of how historical context informs current design philosophies.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	High	Medium	High	Medium	Low	Medium
CO2	High	High	Low	Medium	Medium	Low	Medium
CO3	Medium	High	Medium	High	High	Low	Medium
CO4	Medium	High	Medium	High	Medium	Low	High
CO5	Medium	High	Medium	High	High	Low	High

Bachelor of Fashion Design

B. FD Semester V

Course Title: Digital Design – II

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
Major/ Core	33050508	2	30	Theory	Continuous Assessment	Practical	Theory	Practical
				50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Master advanced digital tools and software for fashion design and development.
CO2: Create digital fashion illustrations, technical flats, and specifications using professional software.
 CO3: Apply digital techniques to explore creative design solutions and garment construction.
CO4: Integrate 3D digital tools into the design process for visualization and virtual prototyping.
CO5: Present professional digital portfolios showcasing fashion design projects.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	High	Medium	High	High	Medium	Low	Medium
CO2	High	Medium	High	High	Medium	Low	High
CO3	High	Medium	High	High	High	Low	Medium
CO4	High	Medium	High	High	High	Low	Medium
CO5	High	Medium	High	High	High	Medium	High

B. FD Semester VI

Course Title: Fashion Drawing and Illustration - V

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050601	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Demonstrate advanced techniques in fashion illustration with a focus on complex garment structures and fabric rendering.

CO2: Create visually compelling fashion illustrations that communicate design concepts effectively.

CO3: Apply a variety of media and digital tools to enhance illustration quality and innovation.

CO4: Analyze and interpret fashion trends and translate them into original illustrations.

CO5: Develop a portfolio of advanced fashion drawings showcasing creativity, technical skills, and a deep understanding of fashion aesthetics.

CO6: Critically evaluate the role of illustration in fashion presentations and branding.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Medium	Medium	High	Low	Low	Low	Medium
CO2	High	High	Medium	Medium	Medium	Low	Medium	High
CO3	Medium	High	Low	High	Medium	Low	Low	Medium
CO4	Medium	Medium	High	Medium	Medium	Medium	Low	Low
CO5	High	High	Medium	High	Medium	Low	Medium	High
CO6	Medium	Medium	High	Medium	Medium	Medium	Low	High

Bachelor of Fashion Design

B. FD Semester VI

Course Title: Pattern Making - V

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050602	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Apply advanced pattern-making techniques to create complex garment designs, including draping and tailored pieces.

CO2: Utilize digital tools for precision and efficiency in pattern drafting and development.

CO3: Analyze and solve fit issues through advanced pattern manipulation techniques.

CO4: Develop patterns for non-conventional materials and innovative garment structures.

CO5: Demonstrate an understanding of industrial standards for pattern making and garment construction.

CO6: Create a comprehensive portfolio showcasing advanced pattern-making skills with detailed documentation.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	High	Medium	Low	Medium	Low	Low	Medium
CO2	High	Medium	Medium	High	Medium	Low	Low	High
CO3	Medium	Medium	High	Medium	Medium	Low	Low	Medium
CO4	High	High	Medium	Medium	Medium	Medium	Low	Low
CO5	High	Low	Medium	Low	Medium	Medium	Medium	Low
CO6	Medium	High	Medium	Medium	Medium	Low	Medium	High

Course Title: Draping - V

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050603	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Master advanced draping techniques to create complex silhouettes and innovative garment designs.

CO2: Apply knowledge of fabric behavior to develop draped garments with precision and creativity.

CO3: Solve design challenges through advanced draping on dress forms and live models.

CO4: Utilize digital tools for pattern generation from draped garments and ensure precision in replication.

CO5: Experiment with non-traditional materials and shapes in draping to push the boundaries of fashion design.

CO6: Compile a professional portfolio that showcases advanced draping techniques, from conceptual design to final execution.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	High	Medium	Low	Medium	Low	Low	Medium
CO2	High	Medium	Medium	Medium	Medium	Low	Low	High
CO3	Medium	High	High	Low	Medium	Low	Low	Medium
CO4	High	Medium	Medium	High	Medium	Low	Low	Medium
CO5	Medium	High	Medium	Medium	Medium	Medium	Low	Medium
CO6	Medium	High	Medium	Medium	Medium	Low	Medium	High

B. FD Semester VI

Course Title: Garment Construction - V

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050604	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Master advanced garment construction techniques, including couture finishing and detailed tailoring.

CO2: Apply knowledge of fabric properties to construct garments with precision and high quality.

CO3: Solve complex construction challenges through innovative approaches to garment assembly.

CO4: Utilize advanced machinery and digital tools to enhance efficiency and precision in garment construction.

CO5: Develop garments with a focus on sustainability and ethical manufacturing practices.

CO6: Compile a professional portfolio showcasing advanced garment construction skills and a range of garment types.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Medium	Medium	Medium	Low	Low	Low	Medium
CO2	High	Medium	High	Medium	Low	Medium	Low	High
CO3	Medium	High	High	Low	Medium	Medium	Low	Medium
CO4	High	Low	Medium	High	Medium	Low	Low	Medium
CO5	Medium	Medium	Medium	Medium	Low	High	Low	Medium
CO6	Medium	High	Medium	Medium	Medium	Low	Medium	High

Bachelor of Fashion Design

B. FD Semester VI

Course Title: Surface Techniques - V

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050605	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Master advanced surface embellishment techniques, including embroidery, fabric manipulation, and textile art forms.

CO2: Experiment with diverse materials and techniques to create innovative surface designs for garments and accessories.

CO3: Apply digital tools and technology to enhance surface design processes and outcomes.

CO4: Analyze global trends in surface techniques and integrate them into contemporary fashion design.

CO5: Develop a collection of textiles showcasing advanced surface techniques with a focus on sustainability.

CO6: Build a portfolio that reflects creativity, technical expertise, and a comprehensive understanding of surface techniques in fashion design.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Medium	Medium	Low	Medium	Low	Low	Medium
CO2	High	High	Medium	Medium	Medium	Medium	Low	High
CO3	Medium	Medium	Medium	High	Medium	Low	Low	Medium
CO4	Medium	High	Medium	Medium	Medium	Medium	Low	Medium
CO5	High	Medium	High	Medium	Medium	High	Low	Medium
CO6	Medium	High	Medium	Medium	Medium	Low	Medium	High

Bachelor of Fashion Design

B. FD Semester VI

Course Title: Design Process - III

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050606	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Master the complete fashion design process, from research and concept development to final garment creation.

CO2: Conduct thorough market and trend research to inform innovative design solutions.

CO3: Apply advanced design techniques and creative problem-solving to develop original fashion collections.

CO4: Utilize digital tools for fashion illustration, pattern making, and presentation of design concepts.

CO5: Integrate sustainability and ethical considerations into the design process.

CO6: Present a professional design portfolio that reflects both creative and technical proficiency.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Medium	Medium	Medium	High	Low	Low	Medium
CO2	High	High	Medium	Low	Medium	Medium	Low	High
CO3	Medium	High	High	Low	Medium	Medium	Low	Medium
CO4	Medium	Medium	Medium	High	Medium	Low	Low	Medium
CO5	High	Medium	Medium	Medium	Medium	High	Low	Medium
CO6	Medium	High	Medium	Medium	Medium	Low	Medium	High

Bachelor of Fashion Design

B. FD Semester VI

Course Title: History of Design - IV

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050607	2	30	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Analyze significant design movements and their impact on contemporary fashion and design.

CO2: Investigate the evolution of fashion design through various historical periods and cultural contexts. CO3: Assess the role of key designers and innovators in shaping design principles and practices.

CO4: Develop critical thinking and research skills through the analysis of historical design texts and artifacts.

CO5: Create presentations and written reports that effectively communicate historical design knowledge and insights.

CO6: Relate historical design influences to current trends in fashion and design, fostering a deeper understanding of the design continuum.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	High	Medium	Low	Medium	Medium	Low	Medium
CO2	High	High	Medium	Medium	Medium	Medium	Low	High
CO3	High	Medium	High	Low	Low	Medium	Medium	Medium
CO4	Medium	High	High	Medium	Medium	Medium	Low	Medium
CO5	Medium	Medium	Medium	High	High	Low	Low	Medium
CO6	High	High	Medium	Medium	Medium	Low	Medium	High

Bachelor of Fashion Design

B. FD Semester VI

Course Title: Digital Design - III

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
Major/ Core	33050608	2	30	Theory	Continuous Assessment	Practical	Theory	Practical
				50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Develop advanced digital design skills using industry-standard software for fashion designand illustration.

CO2: Create and manipulate digital patterns and textiles for various applications in fashion design.

CO3: Integrate 3D modeling and rendering techniques into the fashion design process to visualize designs effectively.

CO4: Implement digital tools for technical drawings and specifications essential for garment production.

CO5: Explore and apply innovative digital design techniques that enhance creative expression in fashion.

CO6: Build a professional digital portfolio showcasing a range of digital design projects and techniques.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	High	Medium	Medium	Medium	Medium	Low	Medium
CO2	High	High	Medium	Low	Medium	Medium	Low	High
CO3	Medium	High	High	Low	Medium	Medium	Low	Medium
CO4	High	Medium	Medium	High	Medium	Low	Low	Medium
CO5	Medium	High	Medium	Medium	Medium	Medium	Low	Medium
CO6	Medium	High	Medium	Medium	Medium	Low	Medium	High

Course Title: Idea to Minimum Viable Product

of Course			Hours					
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	23000021	2.5	30					

Course Outcomes (COs)

CO1: Identify and evaluate market needs and opportunities to formulate viable fashion design concepts.

CO2: Develop a structured approach to transforming design ideas into a minimum viable product (MVP).

CO3: Utilize design thinking methodologies to iterate and refine product concepts based on user feedback.

CO4: Create prototypes and initial samples that represent the MVP for a fashion product.

CO5: Analyze and apply business principles to assess the feasibility and potential success of the MVP. CO6: Present a comprehensive project that showcases the journey from idea conception to the MVP, including market research, prototyping, and business considerations.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Medium	Medium	Low	Medium	Low	Low	Medium
CO2	Medium	High	High	Medium	Medium	Medium	Low	High
CO3	Medium	High	Medium	Medium	Medium	Medium	Low	Medium
CO4	Low	Medium	Medium	High	Medium	Low	Low	Medium
CO5	Medium	Medium	High	Medium	High	Medium	Low	Medium
CO6	Medium	High	Medium	Medium	Medium	Medium	Medium	High

Bachelor of Fashion Design

B. FD Semester VII

Course Title: Industry Work Culture

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050701	2	30	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understand and analyze the structure and dynamics of the fashion industry and its various segments.
CO2: Identify key roles and responsibilities within different sectors of the fashion industry, including design, production, marketing, and retail.
CO3: Develop professional communication skills essential for effective collaboration and networking within the industry.
CO4: Evaluate workplace ethics, professionalism, and industry standards necessary for successful career development.
CO5: Apply teamwork and leadership skills in collaborative projects that simulate real-world industry scenarios.
CO6: Reflect on personal career goals and strategies for navigating the fashion industry effectively.

Program outcomes (POs)

PO1: Demonstrate knowledge of the fashion industry's structure and operations.
PO2: Apply effective communication strategies in professional settings.
PO3: Collaborate successfully with diverse teams to achieve common goals.
PO4: Exhibit ethical behavior and professionalism in the workplace.
PO5: Analyze and adapt to industry trends and changes.
PO6: Conduct self-assessments and develop strategies for personal and professional growth.
PO7: Utilize networking opportunities to enhance career prospects in the fashion industry.
PO8: Reflect on the impact of cultural and social factors on the fashion industry.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Low	Medium	Low	Medium	Low	Low	Medium
CO2	High	Medium	Medium	Low	Medium	Low	Medium	Low
CO3	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO4	Medium	Medium	Low	High	Medium	Low	Low	Medium
CO5	Low	Low	High	Medium	Medium	Low	Medium	Medium
CO6	Medium	Medium	Medium	Medium	Low	High	Medium	Medium

Course Title: Jeans Culture

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050702	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Analyze the historical evolution of jeans and their cultural significance in fashion and society.

CO2: Explore various styles, fits, and fabrics of jeans, understanding their impact on contemporary fashion trends.

CO3: Evaluate the processes involved in denim production, including sourcing, manufacturing, and sustainability practices.

CO4: Design and develop innovative denim garments, integrating creative techniques and current market trends.

CO5: Assess the role of branding and marketing strategies in promoting jeans as a lifestyle choice.

CO6: Conduct research on consumer behavior regarding jeans and its implications for future trends in the fashion industry.

Program outcomes (POs)

PO1: Demonstrate an understanding of the historical context and evolution of fashion items.

PO2: Apply design principles to create innovative fashion products.

PO3: Analyze market trends and consumer behavior within the fashion industry.

PO4: Communicate effectively through presentations and reports in a professional manner

PO5: Collaborate effectively in team settings to achieve common design goals.

PO6: Reflect on and evaluate the impact of cultural and societal factors on fashion.

PO7: Develop awareness of sustainability practices in fashion production.

PO8: Utilize research methodologies to inform design decisions.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Low	Medium	Low	Low	Medium	Medium	Low
CO2	Medium	High	Medium	Low	Low	Low	Medium	Medium
CO3	Medium	Medium	High	Low	Low	Low	High	Medium
CO4	Low	High	Medium	Medium	Medium	Low	Medium	Low
CO5	Medium	Low	High	Low	Medium	Medium	Medium	Low
CO6	Medium	Medium	Medium	Medium	Low	High	Medium	Medium

Course Title: Denim Wear

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050703	8	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understand the characteristics of denim fabric, its construction, and its application in fashion design.

CO2: Explore the evolution of denim wear, including key styles, trends, and their influence on contemporary fashion.

CO3: Apply innovative techniques in designing and constructing denim garments, considering fabric behavior and functionality.

CO4: Analyze the environmental impact of denim production and explore sustainable practices in denim fashion.

CO5: Develop denim-based fashion collections that reflect current market demands and creative trends.

CO6: Conduct research on consumer preferences for denim products and utilize the insights for design and branding.

Program outcomes (POs)

PO1: Demonstrate knowledge of fabric characteristics and garment construction techniques

PO2: Apply creative skills to develop innovative fashion products.

PO3: Understand and incorporate sustainability into fashion design and production.

PO4: Utilize effective communication techniques to present design ideas.

PO5: Collaborate in a team to produce fashion collections with a strong understanding of market trends.

PO6: Conduct research and analyze consumer behavior to inform design decisions.

PO7: Exhibit awareness of historical and contemporary trends in fashion.

PO8: Reflect on the cultural and social significance of fashion products.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Low	Medium	Low	Low	Medium	Low	Low
CO2	Medium	High	Low	Low	Medium	Medium	High	Medium
CO3	High	High	Medium	Medium	Medium	Low	Medium	Low
CO4	Medium	Low	High	Low	Low	Medium	Medium	High
CO5	Low	High	Medium	Medium	High	Low	Medium	Medium
CO6	Medium	Medium	Low	Medium	Medium	High	Low	Low

B. FD Semester VII

Course Title: Advance Pattern Making

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
Major/ Core	33050704	8	60	Theory	Continuous Assessment	Practical	Theory	Practical
				50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Master advanced techniques in pattern-making for complex garment structures.

CO2: Understand the relationship between fabric properties and pattern design to achieve desired garment fit and aesthetics.

CO3: Develop proficiency in drafting and modifying patterns for innovative and creative garment designs. CO4: Apply digital tools and software for pattern creation and adjustments, enhancing precision and efficiency.

CO5: Solve fitting issues through advanced pattern manipulation techniques for both traditional and experimental designs.

CO6: Create detailed technical specifications and patterns for production-ready garments.

Program outcomes (POs)

PO1: Demonstrate expertise in advanced garment construction and pattern-making techniques.

PO2: Apply creativity and technical knowledge to develop innovative fashion designs.

PO3: Utilize digital tools effectively in fashion design and production processes.

PO4: Communicate design ideas and technical details through precise pattern and garment specifications.

PO5: Collaborate with design teams to produce garments that meet industry standards.

PO6: Reflect on and resolve technical challenges related to garment fitting and construction.

PO7: Adapt and innovate designs to meet both functional and aesthetic goals.

PO8: Exhibit knowledge of current trends and advancements in pattern-making technologies.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Medium	Medium	Low	Low	Medium	Medium	Low
CO2	High	High	Medium	Low	Medium	Medium	High	Medium
CO3	High	High	Medium	Medium	Medium	Low	Medium	Medium
CO4	Medium	Medium	High	Medium	Low	Low	Medium	High
CO5	High	Medium	Low	Medium	Medium	High	Medium	Medium
CO6	High	Medium	High	High	Medium	Medium	Medium	Medium

Course Title: New-Age illustration (Digital)

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050705	4	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understand the fundamentals of digital illustration tools and techniques specific to fashion design.

CO2: Apply advanced digital illustration techniques to create professional-quality fashion sketches and renderings.

CO3: Explore the use of various software and digital platforms to enhance creativity in fashion illustration.

CO4: Integrate digital tools with traditional illustration methods to develop unique and innovative design concepts.

CO5: Create detailed, production-ready digital illustrations for fashion collections, including garment details, textures, and accessories.

CO6: Present digital fashion illustrations effectively, showcasing design ideas, color palettes, and technical specifications.

Program outcomes (POs)

PO1: Demonstrate proficiency in using digital tools for fashion illustration and design.

PO2: Apply creative skills to develop innovative fashion illustrations and concepts.

PO3: Utilize digital technologies to enhance design processes and outputs.

PO4: Communicate design ideas effectively through digital media and presentations.

PO5: Collaborate on digital design projects, integrating multiple perspectives and ideas.

PO6: Analyze trends in digital fashion illustration and adapt skills accordingly.

PO7: Exhibit an understanding of the technical and aesthetic aspects of digital fashion illustration.

PO8: Reflect on the role of technology in transforming traditional fashion illustration methods.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Medium	High	Medium	Low	Low	Medium	Medium
CO2	High	High	High	Medium	Medium	Medium	Medium	Low
CO3	Medium	Medium	High	Low	Medium	High	Medium	Medium
CO4	Medium	High	Medium	Medium	Medium	Low	High	Medium
CO5	High	Medium	High	High	Medium	Low	Medium	Medium
CO6	Medium	Medium	Medium	High	Medium	Low	Low	High

Bachelor of Fashion Design

B. FD Semester VII
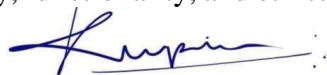
Course Title: Fashion Sustainability

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
Major/ Core	33050706	2	30	Theory	Continuous Assessment	Practical	Theory	Practical
				50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Understand the principles of sustainability and their relevance to the fashion industry.

CO2: Analyze the environmental and social impacts of fashion production and consumption.

CO3: Explore sustainable practices in fabric sourcing, manufacturing, and garment design.

CO4: Investigate the role of circular fashion, recycling, and upcycling in promoting sustainability.

CO5: Develop strategies to integrate sustainability into fashion design processes, including lifecycle analysis and waste reduction.

CO6: Present sustainable fashion projects that balance creativity, functionality, and ethical considerations.

Program outcomes (POs)

PO1: Demonstrate knowledge of sustainable materials and practices in fashion.

PO2: Apply innovative solutions to reduce the environmental impact of fashion design.

PO3: Incorporate ethical and social responsibility into fashion production processes.

PO4: Communicate the importance of sustainability in fashion design and business.

PO5: Collaborate on sustainable fashion projects, integrating cross-disciplinary knowledge.

PO6: Analyze the life cycle of garments to identify areas for sustainability improvement.

PO7: Adapt design and production processes to align with sustainable fashion trends and consumer demands.

PO8: Reflect on the global and local challenges of sustainable fashion and propose actionable solutions.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Medium	High	Medium	Low	Low	Medium	Medium
CO2	High	High	High	Medium	Medium	Medium	High	High
CO3	Medium	High	High	Low	Medium	High	Medium	Medium
CO4	High	Medium	High	Medium	Medium	Medium	High	High
CO5	High	High	Medium	High	High	High	Medium	Medium
CO6	Medium	Medium	Medium	High	High	Low	Medium	High

Bachelor of Fashion Design

B. FD Semester VII

Course Title: Managing Innovation & IPR for Entrepreneurs

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	23000022	2.5	30					

Course Outcomes (COs)

CO1: Understand the fundamentals of innovation management and its application in the fashion industry.

CO2: Analyze the role of intellectual property rights (IPR) in protecting innovations and creative designs in fashion.

CO3: Explore strategies to foster innovation within entrepreneurial ventures in the fashion sector.

CO4: Develop an understanding of patent, copyright, and trademark processes relevant to fashion entrepreneurs.

CO5: Formulate approaches to safeguard fashion designs and products through effective IPR management.

O6: Apply innovation and IPR knowledge to real-world scenarios, promoting creativity while ensuring legal protection.

Program outcomes (POs)

PO1: Demonstrate knowledge of innovation management in fashion design and entrepreneurship.

PO2: Apply intellectual property rights to protect fashion innovations and business assets.

PO3: Utilize legal frameworks to navigate the fashion industry's challenges related to IPR.

PO4: Communicate the importance of innovation and IPR in fostering entrepreneurship and protecting designs.

PO5: Collaborate with legal and business experts to enhance innovation and protect intellectual property.

PO6: Analyze case studies of innovation management and IPR in successful fashion ventures.

PO7: Adapt design processes to incorporate innovative thinking while ensuring compliance with IPR laws.

PO8: Reflect on global trends in innovation and IPR management and their impact on fashion entrepreneurship.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	Medium	High	Medium	Low	Low	Medium	Medium
CO2	High	High	High	Medium	Medium	Medium	High	High
CO3	Medium	High	Medium	Medium	Medium	High	Medium	Medium
CO4	High	High	High	Medium	Medium	Medium	High	High
CO5	Medium	High	Medium	High	Medium	Medium	High	Medium
CO6	Medium	Medium	Medium	High	High	Low	Medium	High

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Bachelor of Fashion Design

B. FD Semester VIII

Course Title: Graduation Project (Internship)

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
Major/ Core	33050801	30	60	50%	50%	50%	50%	50%

Course Outcomes (COs)

CO1: Apply theoretical knowledge and practical skills to real-world entrepreneurial ventures in the fashion industry.

CO2: Develop a comprehensive business plan for a fashion startup, including financial, operational, and marketing strategies.

CO3: Analyze the challenges and opportunities faced during the internship and propose innovative solutions.

CO4: Demonstrate leadership, teamwork, and problem-solving skills in a professional entrepreneurial environment.

CO5: Present a final project showcasing the outcomes of the internship, reflecting on personal growth and business insights.

CO6: Evaluate the effectiveness of business strategies implemented during the internship and identify areas for improvement.

Program outcomes (POs)

PO1: Demonstrate in-depth knowledge of entrepreneurship within the fashion industry.

PO2: Apply creative and business skills to manage and grow fashion enterprises

PO3: Utilize strategic thinking and planning to navigate business challenges.

PO4: Communicate ideas and solutions effectively in a business context.

PO5: Collaborate with industry professionals to enhance entrepreneurial skills.

PO6: Analyze real-world business environments and make informed decisions based on industry trends.

PO7: Adapt to changing business environments with innovative strategies.

PO8: Reflect on the internship experience to improve personal and professional competencies.

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	High	High	Medium	Medium	High	Medium	Medium	High
CO2	High	High	High	Medium	Medium	Medium	High	High
CO3	Medium	Medium	High	Medium	Medium	High	High	High
CO4	Medium	High	Medium	High	High	Medium	Medium	High
CO5	Medium	Medium	Medium	High	High	Medium	Medium	High
CO6	Medium	Medium	High	High	Medium	Medium	High	High

Course: Foundation Studio-I

Program: Bachelor of Interior Design (Semester-I)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33000001	14	-	10%	40%		50%

Course Outcomes (COs):

1. CO1: Understanding the basic principles and elements of design.
2. CO2: Developing skills in spatial composition and visual representation.
3. CO3: Application of design fundamentals in creating functional spaces.
4. CO4: Analyzing and interpreting spatial requirements.
5. CO5: Creating innovative and sustainable interior solutions.

Program Outcomes (POs):

1. PO1: Apply knowledge of interior design principles in various design contexts.
2. PO2: Utilize critical thinking and problem-solving skills in spatial design.
3. PO3: Demonstrate competency in technical drawing and representation.
4. PO4: Integrate functional, aesthetic, and sustainable approaches in design solutions.
5. PO5: Communicate design ideas effectively through various mediums.
6. PO6: Exhibit ethical and professional responsibilities in interior design practices.
7. PO7: Work collaboratively in a multidisciplinary team.
8. PO8: Manage design projects efficiently from concept to completion.
9. PO9: Engage in continuous learning and self-improvement in design.
10. PO10: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Low	Low	Low	Medium	Low
CO2	High	Medium	High	Medium	High	Medium	Low	Low	Medium	Low
CO3	High	High	High	High	High	Medium	Medium	Medium	Low	Medium
CO4	Medium	High	Medium	High	Medium	High	Low	Medium	Medium	Medium
CO5	High	Medium	High	High	High	High	Medium	High	High	High

Course: Interior Material and Construction – I

Program: Bachelor of Interior Design (Semester-I)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030101	6	12.5%	12.5%	25%		50%

Course Outcomes (COs):

1. **CO1**: Understanding the properties and applications of various construction materials.
2. **CO2**: Ability to identify and select appropriate materials for interior construction.
3. **CO3**: Developing skills in reading and interpreting construction drawings.
4. **CO4**: Application of basic construction techniques and methods in interior projects.
5. **CO5**: Evaluating the impact of materials on the functionality and aesthetics of interior spaces.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.
2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.
3. **PO3**: Demonstrate competency in technical drawing and representation.
4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.
5. **PO5**: Communicate design ideas effectively through various mediums.
6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.
7. **PO7**: Work collaboratively in a multidisciplinary team.
8. **PO8**: Manage design projects efficiently from concept to completion.
9. **PO9**: Engage in continuous learning and self-improvement in design.
10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Low	Low	Low	Medium	Medium
CO2	High	High	High	High	Medium	Medium	Low	Low	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Low	Medium	Low
CO4	Medium	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Technical Representation of Drawings - I

Program: Bachelor of Interior Design (Semester-I)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030102	4	-	-	50%	-	50%

Course Outcomes (COs):

1. **CO1**: Understanding the fundamental principles of technical drawing and representation.
2. **CO2**: Developing skills in drafting techniques and visual communication.
3. **CO3**: Ability to create accurate and detailed technical drawings using various tools and software.
4. **CO4**: Interpreting and applying scale, proportions, and annotations in technical drawings.
5. **CO5**: Applying technical representation to convey design concepts and construction details effectively.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.
2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.
3. **PO3**: Demonstrate competency in technical drawing and representation.
4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.
5. **PO5**: Communicate design ideas effectively through various mediums.
6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.
7. **PO7**: Work collaboratively in a multidisciplinary team.
8. **PO8**: Manage design projects efficiently from concept to completion.
9. **PO9**: Engage in continuous learning and self-improvement in design.
10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	Medium	High	Medium	Low	Low	Medium	Medium
CO2	High	High	High	High	High	Medium	Low	Medium	Medium	Low
CO3	High	High	High	High	High	Medium	Medium	Medium	Low	Medium
CO4	Medium	Medium	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	High	High	High	Medium	Medium	High	High	High

Course: Humanities

Program: Bachelor of Interior Design (Semester-I)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030103	2	50%	-	-	50%	-

Course Outcomes (COs):

1. **CO1**: Understanding the role of humanities in the context of interior design.
2. **CO2**: Analyzing historical, cultural, and social influences on design.
3. **CO3**: Developing a critical approach towards human behavior and its impact on spatial design.
4. **CO4**: Enhancing communication skills to effectively articulate design ideas.
5. **CO5**: Applying ethical and cultural considerations in design solutions.
6.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.
2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.
3. **PO3**: Demonstrate competency in technical drawing and representation.
4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.
5. **PO5**: Communicate design ideas effectively through various mediums.
6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.
7. **PO7**: Work collaboratively in a multidisciplinary team.
8. **PO8**: Manage design projects efficiently from concept to completion.
9. **PO9**: Engage in continuous learning and self-improvement in design.
10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Low	Medium	High	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium
CO3	Medium	High	Medium	Medium	High	Medium	Medium	Low	Medium	Medium
CO4	Medium	Medium	Low	Medium	High	High	Medium	Low	High	Medium
CO5	High	Medium	Low	High	Medium	High	Medium	High	High	High

Course: Design Communication

Program: Bachelor of Interior Design (Semester-I)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030103	2	-	-	50%	-	50%

Course Outcomes (COs):

1. **CO1**: Understanding the fundamentals of visual communication and design elements.

2. **CO2**: Developing proficiency in using various media and tools for visual representation.

3. **CO3**: Ability to effectively communicate design concepts through sketches, drawings, and digital presentations.
4. **CO4**: Enhancing skills in verbal and written communication to present design ideas clearly.

5. **CO5**: Applying design communication skills to collaborate and work in a team setting.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Low	Low	Low	Medium	Low
CO2	High	Medium	High	Medium	High	Medium	Medium	Low	Medium	Low
CO3	High	High	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	Medium	Medium	Medium	Medium	High	High	Medium	Low	High	Medium
CO5	High	Medium	Medium	High	High	Medium	High	High	High	High

Course: Design Studio-I

Program: Bachelor of Interior Design (Semester-II)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030201	12	0	10%	40%	-	50%

Course Outcomes (COs):

1. **CO1**: Understanding the basic principles of spatial design and their application in interior spaces.

2. **CO2**: Developing skills in conceptualizing and visualizing interior design projects.

3. **CO3**: Applying design theories and techniques to create functional and aesthetically pleasing spaces.

4. **CO4**: Enhancing problem-solving skills through design challenges and case studies.

5. **CO5**: Communicating design concepts effectively through various presentation techniques and mediums.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Low	Low	Low	Medium	Medium
CO2	High	High	High	Medium	High	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Interior Material and Constructions-II

Program: Bachelor of Interior Design (Semester-II)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030202	6	25%	-	25%	-	50%

Course Outcomes (COs):

1. **CO1**: Understanding the advanced properties and applications of interior construction materials.

2. **CO2**: Analyzing the structural behavior and performance of different materials in interior applications.

3. **CO3**: Developing detailed construction drawings and specifications for interior projects.

4. **CO4**: Applying construction techniques to complex interior design projects.

5. **CO5**: Evaluating the environmental impact and sustainability of materials used in interior design.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovatic

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: Technical Representation of Drawings-II

Program: Bachelor of Interior Design (Semester-II)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030202	6	25%	-	25%	-	50%

Course Outcomes (COs):

1. CO1: Mastering the principles and techniques of technical drawing.

2. CO2: Using advanced digital tools and software for drafting and visualizing interior spaces.

3. CO3: Producing precise and detailed construction drawings for interior projects.

4. CO4: Applying technical drawing skills to represent complex interior design solutions.

5. CO5: Effectively communicating design ideas through visual and technical representation.

Program Outcomes (POs):

1. PO1: Apply knowledge of interior design principles in various design contexts.

2. PO2: Utilize critical thinking and problem-solving skills in spatial design.

3. PO3: Demonstrate competency in technical drawing and representation.

4. PO4: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. PO5: Communicate design ideas effectively through various mediums.

6. PO6: Exhibit ethical and professional responsibilities in interior design practices.

7. PO7: Work collaboratively in a multidisciplinary team.

8. PO8: Manage design projects efficiently from concept to completion.

9. PO9: Engage in continuous learning and self-improvement in design.

10. PO10: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	High	Medium	Medium	Medium	Low	Medium	Medium	Medium
CO2	Medium	High	High	Medium	High	Medium	Low	Medium	Medium	Medium
CO3	High	High	High	High	High	Medium	Low	Medium	Medium	Medium
CO4	High	High	High	High	Medium	Medium	Low	Medium	Medium	Medium
CO5	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium

Course: Basics of Design

Program: Bachelor of Interior Design (Semester-II)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030204	4	-	-	50%	-	50%

Course Outcomes (COs) for Basics of Design:

1. **CO1:** Understanding the fundamental principles and elements of design.

2. **CO2:** Developing skills in visualization and spatial design.

3. **CO3:** Applying design principles to create functional spaces.

4. **CO4:** Enhancing skills in technical drawing and model-making.

5. **CO5:** Communicating design ideas effectively through various mediums.

Program Outcomes (POs):

1. **PO1:** Apply knowledge of design principles in various contexts.

2. **PO2:** Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3:** Demonstrate competency in technical drawing and representation.

4. **PO4:** Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5:** Communicate design ideas effectively through various mediums.

6. **PO6:** Exhibit ethical and professional responsibilities in design practices.

7. **PO7:** Work collaboratively in a multidisciplinary team.

8. **PO8:** Manage design projects efficiently from concept to completion.

9. **PO9:** Engage in continuous learning and self-improvement in design.

10. **PO10:** Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	Medium	Medium	Low	Low	Low	Medium	Medium
CO2	High	High	High	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	High	High	High	Medium	Medium	Medium	Medium	Low	Medium
CO4	Medium	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: History of interior and furniture design-1

Program: Bachelor of Interior Design (Semester-II)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030305	2	-	-	50%	50%	-

Course Outcomes (COs):

1. **CO1**: Understanding the evolution of interior design and furniture styles from ancient to medieval periods.

2. **CO2**: Analyzing the historical context and cultural influences on interior design and furniture styles.

3. **CO3**: Developing the ability to identify key design characteristics from various historical periods.

4. **CO4**: Applying knowledge of historical design trends to modern interior design projects.

5. **CO5**: Evaluating the impact of past interior and furniture design on contemporary practices.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation

CO-PO Mapping:

CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Low	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	Medium	High	High	Medium	Low	Medium	Medium	Medium
CO4	High	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Low	High	Medium	High	Medium	High	High	High

Course: Design studio-II

Program: Bachelor of Interior Design (Semester-III)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030301	12	-	-	50%	-	50%

Course Outcomes (COs):

1. **CO1**: Understanding advanced spatial design concepts and their application in interior spaces.

2. **CO2**: Developing skills in conceptualizing and visualizing complex interior design projects.

3. **CO3**: Applying advanced design theories to create functional and aesthetically pleasing spaces.

4. **CO4**: Enhancing critical thinking and problem-solving skills through design challenges and real-world case studies.

5. **CO5**: Effectively communicating design ideas through professional presentation techniques and mediums.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	High	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	High	High	High	High	Medium	Medium	Medium	Low	Medium
CO4	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Interior Material and Construction-III

Program: Bachelor of Interior Design (Semester-III)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030302	6	25%	-	25%	-	50%

Course Outcomes (COs):

1. **CO1**: Understanding advanced properties and applications of interior construction materials.

2. **CO2**: Analyzing the structural performance of materials in complex interior design projects.

3. **CO3**: Developing detailed construction drawings and specifications for interior design.

4. **CO4**: Applying modern construction techniques to interior projects.

5. **CO5**: Evaluating the sustainability and environmental impact of materials used in interior design.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovatio

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: Interior Services-I

Program: Bachelor of Interior Design (Semester-III)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030303	4	-	-	50%	50%	-

Course Outcomes (COs):

1. **CO1**: Understanding the basic concepts and importance of interior service systems like HVAC, plumbing, and electrical systems in interior design.

2. **CO2**: Analyzing the integration of service systems with the overall interior layout for optimal performance and user comfort.

3. **CO3**: Developing detailed technical drawings to represent the service systems within an interior design project.

4. **CO4**: Applying principles of service system design to ensure functionality, safety, and compliance with regulations.

5. **CO5**: Evaluating the sustainability and energy efficiency of different service systems and their environmental impact.
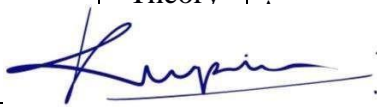
Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: Structure-I

Program: Bachelor of Interior Design (Semester-III)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030304	2	50%	-	-	50%	-

Course Outcomes (COs):

1. **CO1**: Understanding the fundamental concepts of structural systems used in interior design.

2. **CO2**: Analyzing the structural behavior of materials and components under different loads and conditions.

3. **CO3**: Developing the ability to integrate structural elements with aesthetic interior solutions.

4. **CO4**: Applying knowledge of construction techniques and materials to ensure structural stability and safety.

5. **CO5**: Evaluating the sustainability and environmental impact of different structural solutions.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: Lighting Design

Program: Bachelor of Interior Design (Semester-III)

Course Code	Credit	Internal				External	
		Theory	Continuous ... ...nt			Theory	Practical
33030305						-	50%

Course Outcomes (COs):

1. **CO1**: Understanding the principles of lighting design and the types of lighting systems used in interior spaces.

2. **CO2**: Analyzing the effects of different lighting techniques on spatial aesthetics and functionality.

3. **CO3**: Developing lighting layouts and detailed drawings for various interior settings.

4. **CO4**: Applying lighting techniques to enhance the ambiance and functionality of interior spaces.

5. **CO5**: Evaluating energy-efficient lighting solutions and their environmental impact.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: History of Interior and furniture design-II

Program: Bachelor of Interior Design (Semester-III)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030304	2	-	-	50%	50%	-

Course Outcomes (COs):

1. **CO1**: Understanding the evolution of interior design and furniture styles from the Renaissance to modern periods.
2. **CO2**: Analyzing the cultural, social, and historical influences on interior and furniture design.

3. **CO3**: Identifying key design characteristics from different historical periods and movements.

4. **CO4**: Applying knowledge of historical trends to contemporary interior design projects.

5. **CO5**: Evaluating the impact of historical furniture design on current design practices.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	Medium	Medium	Low	Low	Medium	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	Medium	High	High	Medium	Low	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: Design Studio-III

Program: Bachelor of Interior Design (Semester-IV)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030401	12	-	-	50%	-	50%

Course Outcomes (COs):

1. **CO1**: Understanding advanced design principles and spatial planning.

2. **CO2**: Developing skills in detailed conceptualization and design documentation.

3. **CO3**: Applying complex design theories to solve real-world spatial problems.

4. **CO4**: Enhancing problem-solving abilities through innovative design processes.

5. **CO5**: Communicating design solutions effectively through professional presentations.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	High	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	High	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Interior Material and Construction-IV

Program: Bachelor of Interior Design (Semester-IV)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030402	6	25%	-	25%	50%	-

Course Outcomes (COs):

1. **CO1**: Understanding the properties and applications of advanced interior materials.

2. **CO2**: Analyzing the structural behavior and performance of complex materials in interior design.

3. **CO3**: Developing detailed technical drawings and specifications for materials in interior projects.

4. **CO4**: Applying advanced construction techniques in interior projects.

5. **CO5**: Evaluating the environmental impact and sustainability of materials used in complex interior projects.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	High	Medium	Medium	Low	Medium	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	High	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: Interior Services-II

Program: Bachelor of Interior Design (Semester-IV)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
33030403	4	-	-	50%	50%	-

Course Outcomes (COs):

1. **CO1:** Understanding the importance of advanced interior service systems like HVAC, electrical, and plumbing in complex interior design projects.

2. **CO2:** Analyzing the integration of service systems in the overall interior layout to ensure optimal functionality and performance.

3. **CO3:** Developing detailed technical drawings that represent the integration of service systems in interior design projects.

4. **CO4:** Applying principles of system design to ensure compliance with safety regulations and user comfort.

5. **CO5:** Evaluating the sustainability and energy efficiency of service systems used in interior spaces.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: Furniture Design-I

Program: Bachelor of Interior Design (Semester-IV)

Course Outcomes (COs):

1. **CO1**: Understanding the fundamentals of furniture design, including ergonomics and material use.

2. **CO2**: Developing the ability to create functional and aesthetically pleasing furniture pieces.

3. **CO3**: Applying knowledge of construction techniques and materials in furniture design.

4. **CO4**: Exploring innovative designs while balancing functionality and sustainability.

5. **CO5**: Communicating furniture design concepts effectively through drawings and models.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	High	High	High	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	High	High	Medium	Medium	Medium	Medium	Medium	Medium
CO4	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: History of Interior & Furniture Design - III
Program: Bachelor of Interior Design (Semester-IV)

Course Outcomes (COs):

1. **CO1**: Understanding the evolution of interior and furniture design from the modern era to contemporary times.
2. **CO2**: Analyzing the cultural, social, and technological influences on interior and furniture design in the 20th and 21st centuries.
3. **CO3**: Identifying key characteristics and design movements in modern and contemporary interior and furniture design.
4. **CO4**: Applying historical knowledge to the analysis and creation of modern and contemporary interior design projects.
5. **CO5**: Evaluating the impact of historical trends on current interior and furniture design practices.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Low	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	Medium	High	High	Medium	Low	Medium	Medium	Medium
CO4	High	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: History of Computer Application - I

Program: Bachelor of Interior Design (Semester-IV)

Course Outcomes (COs):

1. **CO1**: Understanding the historical development of con_____ns and their role in design practices.

2. **CO2**: Analyzing the evolution of software tools used in_____ and architecture.

3. **CO3**: Developing s_____ided_____oftware for interior design projects.

4. **CO4**: Applying computer applications to enhance accuracy and efficiency in design documentation.

5. **CO5**: Evaluating the impact of technology on modern interior design processes and practices.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Low	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: Design Studio-IV

Program: Bachelor of Interior Design (Semester-V)

Course Outcomes (COs):

1. **CO1**: Understanding advanced interior design concepts and their application in complex spaces.

2. **CO2**: Developing comprehensive design solutions for diverse spatial contexts.

3. **CO3**: Applying innovative design approaches to create functional and aesthetically rich interiors.

4. **CO4**: Enhancing technical skills in detailing, material selection, and construction methods.

5. **CO5**: Communicating design solutions effectively through professional presentations and documentation.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	High	High	Medium	Medium	Medium	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Low	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Interior Material and Construction-V

Program: Bachelor of Interior Design (Semester-V)

Course Outcomes (COs):

1. **CO1**: Understanding the properties and applications of advanced construction materials in interior design.

2. **CO2**: Analyzing the structural behavior and performance of complex materials in interior projects.

3. **CO3**: Developing detailed technical drawings and specifications for advanced construction materials.

4. **CO4**: Applying innovative construction techniques to interior design projects.

5. **CO5**: Evaluating the sustainability and environmental impact of materials used in modern interior construction.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: Interior Services-III

Program: Bachelor of Interior Design (Semester-V)

Course Outcomes (COs):

1. **CO1**: Understanding the advanced concepts of interior services such as HVAC, electrical, plumbing, and fire safety systems.
2. **CO2**: Analyzing the integration of complex service systems with interior spaces for optimized performance.
3. **CO3**: Developing technical drawings and specifications for advanced service systems in interior design.
4. **CO4**: Applying service design principles to ensure functionality, safety, and regulatory compliance in interior spaces.
5. **CO5**: Evaluating the sustainability and energy efficiency of service systems in modern interior projects.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: Furniture Design-II

Program: Bachelor of Interior Design (Semester-V)

Course Outcomes (COs):

1. **CO1**: Understanding advanced principles of furniture design and ergonomics.

2. **CO2**: Analyzing the relationship between furniture, space, and human interaction.

3. **CO3**: Developing detailed furniture design solutions considering functionality, aesthetics, and sustainability.

4. **CO4**: Applying innovative materials and construction techniques in furniture design.

5. **CO5**: Communicating furniture design concepts effectively through technical drawings and 3D models.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Landscape in Interior Design

Program: Bachelor of Interior Design (Semester-V)

Course Outcomes (COs):

1. **CO1**: Understanding the principles of landscape design and their application in interior spaces.

2. **CO2**: Analyzing the relationship between indoor and outdoor spaces in design projects.

3. **CO3**: Developing skills in integrating natural elements like plants, water, and lighting into interior environments.

4. **CO4**: Applying sustainable landscape solutions to enhance the functionality and aesthetics of interior spaces.

5. **CO5**: Communicating landscape design concepts effectively through detailed drawings and presentations.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Computer Application -2

Program: Bachelor of Interior Design (Semester-V)

Course Outcomes (COs):

1. **CO1**: Understanding the principles of landscape design and their application in interior spaces.

2. **CO2**: Analyzing the relationship between indoor and outdoor spaces in design projects.

3. **CO3**: Developing skills in integrating natural elements like plants, water, and lighting into interior environments.

4. **CO4**: Applying sustainable landscape solutions to enhance the functionality and aesthetics of interior spaces.

5. **CO5**: Communicating landscape design concepts effectively through detailed drawings and presentations.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Design studio – 5 (Working Drawing)

Program: Bachelor of Interior Design (Semester-VI)

Course Outcomes (COs):

1. **CO1**: Understanding the principles of working drawings and their significance in interior design projects.

2. **CO2**: Developing skills in creating detailed and accurate working drawings for execution.

3. **CO3**: Applying technical drawing techniques to represent construction details and material specifications.

4. **CO4**: Enhancing problem-solving abilities through the interpretation of design concepts into working drawings.

5. **CO5**: Communicating design ideas effectively through comprehensive working drawings and specifications.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	High	Medium	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	High	High	Medium	Medium	Medium	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	High	High	High	Medium	Medium	High	High	High

Course: Interior material and construction – 6

Program: Bachelor of Interior Design (Semester-VI)

Course Outcomes (COs):

1. **CO1**: Understanding advanced materials and construction techniques used in interior design.

2. **CO2**: Analyzing the structural behavior and performance of materials in complex interior projects.

3. **CO3**: Developing detailed technical drawings and specifications for advanced interior materials and systems.

4. **CO4**: Applying innovative and sustainable construction techniques in modern interior design.

5. **CO5**: Evaluating the environmental impact and sustainability of materials used in interior construction.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Interior Services - 4

Program: Bachelor of Interior Design (Semester-VI)
Course Outcomes (COs):
1. **CO1**: Understanding advanced concepts of interior services such as HVAC, electrical, plumbing, and fire safety systems.
2. **CO2**: Analyzing the integration of advanced service systems in interior spaces for optimized performance.
3. **CO3**: Developing detailed technical drawings and specifications for advanced service systems.
4. **CO4**: Applying service design principles to ensure functionality, safety, and compliance with regulations.
5. **CO5**: Evaluating the sustainability and energy efficiency of service systems in modern interior design projects.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.
2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.
3. **PO3**: Demonstrate competency in technical drawing and representation.
4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.
5. **PO5**: Communicate design ideas effectively through various mediums.
6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.
7. **PO7**: Work collaboratively in a multidisciplinary team.
8. **PO8**: Manage design projects efficiently from concept to completion.
9. **PO9**: Engage in continuous learning and self-improvement in design.
10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Course: Estimation and Costing

Program: Bachelor of Interior Design (Semester-VI)

Course Outcomes (COs):

1. **CO1**: Understanding the principles of cost estimation in interior design projects.

2. **CO2**: Analyzing material costs and labor costs for efficient budgeting in interior design.

3. **CO3**: Developing skills in preparing detailed project cost estimates and tenders.

4. **CO4**: Applying knowledge of cost management in design to optimize resources.

5. **CO5**: Evaluating different project proposals and their financial feasibility.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Computer Application -3

Program: Bachelor of Interior Design (Semester-VI)

Course Outcomes (COs):

1. **CO1**: Understanding the advanced tools and techniques used in computer applications for interior design.

2. **CO2**: Developing skills in using specialized software for 3D modeling and rendering.

3. **CO3**: Creating detailed technical drawings and presentations using digital tools.

4. **CO4**: Applying computer applications to enhance accuracy, efficiency, and creativity in interior design projects.

5. **CO5**: Integrating digital technologies to communicate complex design concepts effectively.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	High	Medium	Medium	Low	Low	Medium	Medium	Medium
CO2	High	High	High	High	High	Medium	Medium	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	High	High	High	High	High	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Research Methodology

Program: Bachelor of Interior Design (Semester-VII)

Course Outcomes (COs):

1. **CO1**: Understand the significance of research in the context of interior design.

2. **CO2**: Develop the ability to formulate research questions relevant to interior design.

3. **CO3**: Apply various research methodologies to collect and analyze data for design projects.

4. **CO4**: Critically evaluate design trends and evidence-based practices.

5. **CO5**: Present research findings effectively through written reports and visual presentations.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	Medium	High	High	Medium	High	Medium	Medium	Low	Medium	Medium
CO4	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Interior contemporary practices

Program: Bachelor of Interior Design (Semester-VII)

Course Outcomes (COs):

- **O1**: Understanding the evolution of contemporary interior design styles and practices.

- **CO2**: Analyzing the influence of global trends on modern interior design.

- **CO3**: Applying contemporary design techniques to create innovative interior spaces.

- **CO4**: Integrating sustainable practices into contemporary interior design solutions.

- **CO5**: Critically evaluating contemporary design through case studies and research.

Program Outcomes (POs):

- **PO1**: Apply knowledge of interior design principles in various design contexts.

- **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

- **PO3**: Demonstrate competency in technical drawing and representation.

- **PO4**: Integrate functional aesthetic and sustainable approaches in design solutions.

- **PO5**: Communicate design ideas effectively through various mediums.

- **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

- **PO7**: Work collaboratively in a multidisciplinary team.

- **PO8**: Manage design projects efficiently from concept to completion.

- **PO9**: Engage in continuous learning and self-improvement in design.

- **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping Table:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	Medium	Medium	High	Medium	Low	Low	Low	Medium	Medium
CO2	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO3	High	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
CO4	Medium	High	High	High	Medium	High	Medium	Medium	Medium	Medium
CO5	High	Medium	Medium	High	High	Medium	Medium	High	High	High

Course: Final Project

Program: Bachelor of Interior Design (Semester-VII)

Course Outcomes (COs):

1. **CO1**: Understanding and applying comprehensive design theories in real-world projects.

2. **CO2**: Developing complex interior design solutions, considering both functionality and aesthetics.

3. **CO3**: Critically evaluating design projects using research-based methodologies.

4. **CO4**: Integrating sustainable and innovative approaches into large-scale interior design projects.

5. **CO5**: Presenting and communicating design concepts effectively in a professional context.

Program Outcomes (POs) (As per previous semesters):

1. **PO1**: Apply knowledge of interior design principles in various contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of design through research and innovation.

CO-PO Mapping for Final Project:

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Low	Medium	Medium	Medium
CO2	High	High	High	High	Medium	Medium	Medium	Medium	Medium	High
CO3	Medium	High	Medium	Medium	High	Medium	Medium	Low	Medium	High
CO4	High	High	High	High	Medium	High	Medium	Medium	Medium	High
CO5	High	Medium	High	High	High	Medium	Medium	High	High	High

Course: Internship/Office Training

Program: Bachelor of Interior Design (Semester-VIII)

Course Outcomes (COs):

1. **CO1**: Apply academic knowledge to real-world professional practices in the field of interior design.

2. **CO2**: Develop professional skills through hands-on experience in interior projects.

3. **CO3**: Understand the workflow and project management strategies in a design firm or office.

4. **CO4**: Demonstrate the ability to collaborate in multidisciplinary teams effectively.

5. **CO5**: Exhibit ethical and professional behavior in an office environment.

Program Outcomes (POs):

1. **PO1**: Apply knowledge of interior design principles in various design contexts.

2. **PO2**: Utilize critical thinking and problem-solving skills in spatial design.

3. **PO3**: Demonstrate competency in technical drawing and representation.

4. **PO4**: Integrate functional, aesthetic, and sustainable approaches in design solutions.

5. **PO5**: Communicate design ideas effectively through various mediums.

6. **PO6**: Exhibit ethical and professional responsibilities in interior design practices.

7. **PO7**: Work collaboratively in a multidisciplinary team.

8. **PO8**: Manage design projects efficiently from concept to completion.

9. **PO9**: Engage in continuous learning and self-improvement in design.

10. **PO10**: Contribute to the advancement of interior design through research and innovation.

CO-PO Mapping:

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Medium	High	Medium	Medium
CO2	Medium	High	High	Medium	High	High	High	Medium	Medium	Medium
CO3	High	Medium	High	High	Medium	Medium	High	High	Medium	Medium
CO4	Medium	High	Medium	Medium	High	High	High	Medium	High	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester I

Course Title: Planning History and Theory

Course Code	Credit	Internal			External	
34010101	2	Theory	Continuous Assessment	Practical	Theory	Practical
		40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the evolution of planning theories and practices

CO2: Analyze historical planning case studies.

CO3: Evaluate the impact of historical events on modern planning

CO4: Develop a comprehensive understanding of key planning milestones.

CO5: Apply historical knowledge to contemporary planning issues

CO6: Engage with primary and secondary sources in planning history.

CO7: Communicate historical and theoretical concepts effectively.

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Medium	High	Medium	Medium
CO2	Medium	High	High	Medium	High	High	High	Medium	Medium	Medium
CO3	High	Medium	High	High	Medium	Medium	High	High	Medium	Medium
CO4	Medium	High	Medium	Medium	High	High	High	Medium	High	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High
CO6	High	Medium	Medium	High	Medium	High	Medium	High	High	High
CO7	Medium	High	Medium	Medium	High	High	High	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester I

Course Title: Socio-economic basis for Planning

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010102	2	40%	10%		50%	-

CO1: Understand socio-economic theories and their application in planning.

CO2: Analyze socio-economic data for planning purposes.

CO3: Evaluate the impact of socio-economic factors on urban and regional planning.

CO4: Develop strategies to address socio-economic issues in planning.

CO5: Apply socio-economic principles to contemporary planning challenges.

CO6: Engage with communities to understand socio-economic needs.

CO7: Communicate socio-economic concepts effectively in planning contexts.

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Medium	High	Medium	Medium
CO2	Medium	High	High	Medium	High	High	High	Medium	Medium	Medium
CO3	High	Medium	High	High	Medium	Medium	High	High	Medium	Medium
CO4	Medium	High	Medium	Medium	High	High	High	Medium	High	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High
CO6	High	Medium	Medium	High	Medium	High	Medium	High	High	High
CO7	Medium	High	Medium	Medium	High	High	High	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester I

Course Title: Planning Techniques

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010103	2	40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand various planning techniques and their applications.

CO2: Analyze spatial data using appropriate planning tools.

CO3: Develop skills in quantitative and qualitative research methods.

CO4: Apply planning techniques to real-world scenarios.

CO5: Evaluate the effectiveness of different planning techniques.

CO6: Communicate planning analyses and findings effectively.

CO7: Integrate planning techniques into comprehensive planning processes.

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Medium	High	Medium	Medium
CO2	Medium	High	High	Medium	High	High	High	Medium	Medium	Medium
CO3	High	Medium	High	High	Medium	Medium	High	High	Medium	Medium
CO4	Medium	High	Medium	Medium	High	High	High	Medium	High	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High
CO6	High	Medium	Medium	High	Medium	High	Medium	High	High	High
CO7	Medium	High	Medium	Medium	High	High	High	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning
M. Plan Semester I
Course Title: Infrastructure and Transport Planning

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010104	2	40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the principles of infrastructure and transport planning.
CO2: Analyze the impact of infrastructure on urban and regional development.
CO3: Evaluate different transport planning models and techniques.
CO4: Develop strategies for sustainable infrastructure and transport systems.
CO5: Apply planning tools to real-world infrastructure and transport projects.
CO6: Assess the socio-economic and environmental implications of infrastructure projects.
CO7: Communicate infrastructure and transport planning concepts effectively.

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	High	Medium	Medium	Medium	High	Medium	Medium
CO2	Medium	High	High	Medium	High	High	High	Medium	Medium	Medium
CO3	High	Medium	High	High	Medium	Medium	High	High	Medium	Medium
CO4	Medium	High	Medium	Medium	High	High	High	Medium	High	Medium
CO5	High	Medium	Medium	High	Medium	High	Medium	High	High	High
CO6	High	Medium	Medium	High	Medium	High	Medium	High	High	High
CO7	Medium	High	Medium	Medium	High	High	High	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester I

Course Title: Housing and Environmental Planning

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010105	2	40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the principles of sustainable housing development.
CO2: Analyze the environmental impacts of housing projects.
CO3: Develop strategies for integrating environmental planning into housing policies.
CO4: Evaluate the effectiveness of different housing policies in promoting environmental sustainability.
CO5: Apply planning tools and techniques to real-world housing and environmental challenges.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	High	Medium
CO2	Medium	High	High	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning
M. Plan Semester I
Course Title: Studio course

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010106	10	10%	40%		50%	-

Course Outcomes (COs)

CO1: Apply planning theories and techniques to practical urban and regional projects.
CO2: Analyze real-world data to inform planning decisions.
CO3: Develop integrated solutions that address social, economic, and environmental aspects of planning projects.
CO4: Work collaboratively in teams to solve complex planning problems.
CO5: Present and defend planning projects to stakeholders through effective communication tools.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	High	Medium
CO2	Medium	High	High	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester II

Course Title: City and Metropolitan Planning

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010201	02	40%	10%		50%	-

Course Outcomes (COs):

CO1: Understand the principles and theories related to city and metropolitan planning, focusing on urban growth and regional development.

CO2: Analyze the dynamics of metropolitan regions, including economic, social, and environmental factors.

CO3: Develop strategies for managing urban growth, infrastructure development, and service delivery in metropolitan areas.

CO4: Evaluate policies and governance structures that influence metropolitan planning and management.

CO5: Communicate metropolitan planning strategies effectively to stakeholders, including local governments, citizens, and private entities.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	High	Medium
CO2	Medium	High	High	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning
M. Plan Semester II
Course Title: Infrastructure Planning

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010202	02	40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the dynamics of urban growth and metropolitan development.
CO2: Analyze the socio-economic and environmental impacts of metropolitan planning.
CO3: Develop comprehensive metropolitan plans that integrate land use, transportation, and infrastructure.
CO4: Evaluate policy frameworks and governance structures for metropolitan regions.
CO5: Apply advanced planning tools and techniques to address metropolitan challenges.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	High	Medium
CO2	Medium	High	High	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Master's in Planning

M. Plan Semester II

Course Title: Urban Heritage Conservation

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010203	02	40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the principles and practices of urban heritage conservation.

CO2: Analyze the historical, cultural, and social significance of urban heritage sites.

CO3: Develop strategies for the conservation and management of urban heritage.

CO4: Evaluate the impact of urban development on heritage sites.

CO5: Apply conservation techniques and tools to real-world heritage conservation projects.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	low	Medium	High	Medium
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester II

Course Title: Advanced Planning Techniques

Course Code	Credit	Internal			External	
34010204	02	Theory	Continuous Assessment	Practical	Theory	Practical
		40%	10%		50%	-

Course Outcomes (COs)

CO1: Master advanced quantitative and qualitative planning techniques.

CO2: Apply advanced GIS and spatial analysis tools in planning.

CO3: Develop comprehensive plans using advanced modeling techniques.

CO4: Evaluate the effectiveness of various planning techniques in real-world scenarios.

CO5: Communicate complex planning concepts and results effectively.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	low	Medium	High	Medium
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester II

Course Title: Studio

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010205	02	40%	10%		50%	-

Course Outcomes (COs)

CO1: Develop advanced practical skills in urban and regional planning.
CO2: Apply theoretical knowledge to complex, real-world planning projects.
CO3: Collaborate effectively in multidisciplinary teams to solve planning challenges.
CO4: Utilize advanced planning tools and techniques in project development.
CO5: Present planning proposals clearly and professionally to diverse stakeholders.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	low	Medium	High	Medium
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester II

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010206	02	40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the concepts and principles of inclusive urban planning, focusing on equity, accessibility, and social justice.
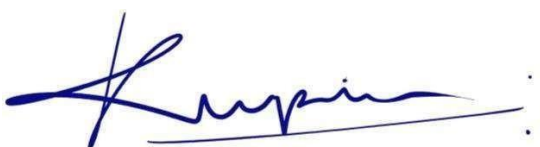
CO2: Analyze the spatial, social, and economic needs of marginalized and vulnerable groups in urban areas.

CO3: Develop urban planning strategies that incorporate the principles of inclusivity and diversity in city development.

CO4: Evaluate existing urban policies and programs from the perspective of inclusivity and suggest improvements.

CO5: Communicate inclusive planning strategies effectively to stakeholders through reports, presentations, and visualizations.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Medium	Medium
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Master's in Planning

M. Plan Semester II

Course Title: Planning for Tourism (Elective – I)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010206	02	40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the principles and concepts of tourism planning, with an emphasis on sustainable development.

CO2: Analyze the socio-economic and environmental impacts of tourism on urban and rural areas.

CO3: Develop tourism development plans that incorporate sustainability, community engagement, and cultural heritage conservation.

CO4: Evaluate existing tourism policies and frameworks and recommend improvements for better planning and management.

CO5: Communicate tourism planning strategies effectively through written reports, presentations, and visual tools to stakeholders, including government agencies and local communities.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Medium	Medium
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning
M. Plan Semester III
Course Title: Urban Development Management

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010301	02	40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the principles and practices of urban development management.
CO2: Analyze the economic, social, and environmental impacts of urban development projects.
CO3: Develop strategies for effective urban development and management.
CO4: Evaluate policy frameworks and governance structures in urban development.
CO5: Apply advanced management techniques to urban development projects.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Medium	Medium
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester III

Course Title: Project Planning and Management

Course Code	Credit	Internal			External	
34010302	02	Theory	Continuous Assessment	Practical	Theory	Practical
		40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the principles and techniques of project planning, scheduling, and resource allocation.
CO2: Analyze the financial, environmental, and social impacts of projects, and manage risk and uncertainties.
CO3: Apply project management software tools for effective project tracking and control.
CO4: Develop project proposals and feasibility studies, incorporating sustainability and strategic alignment.
CO5: Understand contract management, stakeholder management, and legal frameworks in project execution.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	Medium	Medium
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning
M. Plan Semester III
Course Title: Urban Governance

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010303	02	40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the principles and frameworks of urban governance.
CO2: Analyze the roles and responsibilities of various stakeholders in urban governance.
CO3: Evaluate policy and regulatory frameworks affecting urban governance.
CO4: Develop strategies for effective governance in urban areas.
CO5: Apply governance theories and practices to real-world urban issues.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	low	low
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Master's in Planning

M. Plan Semester III

Course Title: Politics and Planning

Course Code	Credit	Internal			External	
34010304	02	Theory	Continuous Assessment	Practical	Theory	Practical
		40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the role of politics in urban and regional planning.

CO2: Analyze the impact of political decisions on planning processes and outcomes.

CO3: Evaluate policy frameworks and their implications for urban development.

CO4: Develop strategies to navigate political challenges in planning practice.

CO5: Apply political theories and concepts to real-world planning scenarios.

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	High	Low	High	Low	Low
CO2	High	High	Low	Low	Low
CO3	High	High	Low	Medium	Low
CO4	High	Low	High	Low	Medium
CO5	Low	High	Low	High	High

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester III

Course Title: Studio

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010305	02	40%	10%		50%	-

Course Outcomes (COs)

CO1: Apply advanced analytical methods and tools for urban and regional planning.
CO2: Integrate theoretical knowledge with practical design and planning solutions.
CO3: Develop comprehensive planning proposals addressing real-world issues in urban development.
CO4: Collaborate with multidisciplinary teams and effectively communicate planning solutions.
CO5: Critically assess the social, economic, and environmental impacts of planning interventions.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	low	low
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester III

Course Title: Environment, Development and Disaster Management (Elective – II)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010306	02	40%	10%		50%	-

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	low	low
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester III

Course Title: Energy, Climate Change and Urban Development (Elective – II)

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010306	02	40%	10%		50%	-

CO1: Analyze the impact of climate change on urban systems

CO2: Evaluate Sustainable energy solutions for urban environments

CO3: Develop urban planning strategies that integrate climate resilience

CO4 : Conduct assessments of energy policies in relation to urban development

CO5 : Communicate effectively the importance of sustainable practices in urban planning.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	low	low
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester IV

Course Title: Development Finance

Course Code	Credit	Internal			External	
34010401	02	Theory	Continuous Assessment	Practical	Theory	Practical
		40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the principles and theories of development finance in the context of urban planning.

CO2: Analyze the role of public and private financing in infrastructure and urban development projects.

CO3: Evaluate different financing mechanisms and instruments used in development projects.

CO4: Formulate development finance strategies that promote sustainable and equitable urban growth.

CO5: Assess the impact of financial policies and governance structures on urban development.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	low	low
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning
M. Plan Semester IV
Course Title: Legal Issues and Professional Practice

Course Code	Credit	Internal			External	
		Theory	Continuous Assessment	Practical	Theory	Practical
34010402	02	40%	10%		50%	-

Course Outcomes (COs)

CO1: Understand the legal frameworks governing urban planning and development.
CO2: Analyze the impact of laws and regulations on urban land use, zoning, and environmental management.
CO3: Evaluate the role of ethics and professional standards in planning practice.
CO4: Apply legal knowledge to resolve disputes and ensure compliance in planning projects.
CO5: Develop skills for professional practice, including contract management, legal negotiations, and client relations.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	low	low
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium

Swarrnim Institute of Design

Master's in Planning

M. Plan Semester IV

Course Code	Credit	Course Title: Thesis	Internal			External	
34010403	02	Theory	Continuous Assessment	Practical	Theory	Practical
		40%	10%		50%	-

Course Outcomes (COs)

CO1: Formulate a research question and develop a comprehensive research proposal relevant to urban and regional planning.

CO2: Conduct thorough literature reviews and apply theoretical frameworks to analyze complex planning issues.

CO3: Employ appropriate research methodologies, both qualitative and quantitative, in planning research.

CO4: Synthesize data and findings to develop planning strategies, solutions, or recommendations.

CO5: Effectively present research findings in written and oral formats, adhering to academic and professional standards.

CO\PO	PO1	PO2	PO3	PO4	PO5
CO1	High	High	Medium	low	low
CO2	Medium	High	low	Medium	High
CO3	High	Medium	High	High	Medium
CO4	Medium	High	Medium	Medium	High
CO5	High	Medium	Medium	High	Medium