



**MARUDHAR KESARI JAIN COLLEGE FOR WOMEN  
(AUTONOMOUS)**

Vaniyambadi – 635 751

**Department of Interior Design and Decor**

**for**

**Undergraduate Programme**

**Bachelor of Science in Interior Design and Decor**

**From the Academic Year 2024-25**

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# **LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK FOR UNDERGRADUATE EDUCATION**

## **1. Preamble**

The interior design and décor program aims to provide students with a comprehensive understanding of the principles, practices, and techniques essential for a successful career in the field of interior design. Through a combination of theoretical knowledge, practical skills development, and hands-on experiences, students will be equipped to create innovative, functional, and aesthetically pleasing interior spaces that meet the needs and preferences of diverse clients.

The following course-specific outcomes have been developed to guide students in achieving the learning objectives of each course within the program. These outcomes outline the specific knowledge, skills, and competencies that students will acquire and demonstrate throughout their academic journey. By mastering these outcomes, students will be prepared to excel in various aspects of interior design and décor, ranging from design studio projects to professional practice in the industry.

## PROGRAMME OUTCOMES (PO)

<b>Programme</b>	<b>B.Sc., INTERIOR DESIGN AND DECOR</b>
<b>Programme Code</b>	<b>US12</b>
<b>Duration</b>	<b>3years [UG]</b>
<b>Programme Outcomes</b>	<p><b>PO1: Disciplinary Knowledge and Skills</b> Demonstrates theoretical and practical knowledge and understanding of subjects related to Interior Design and Decoration</p> <p><b>PO2: Effective Communicator</b> Capable of effective communication of subject specific scientific information Through oral and written formats using ICT wherever necessary. Explores Communication skill set to engage key stakeholders such as domestic and commercial clientele.</p> <p><b>PO3: Critical thinking</b>, Analytical reasoning and problem solving Applies disciplinary knowledge, understanding and transferable skills to the given context. Capable of identifying and analyzing problems and issues and finding solutions in planning spaces and interiors suitable to homes and commercial establishments.</p> <p><b>PO4: Research and Scientific Reasoning</b> Demonstrates skills in research through collection of relevant qualitative and Quantitative data, analysis and interpretation of data using appropriate methodologies for formulating evidence-based solutions and arguments.</p> <p><b>PO5: Co-operation/ Teamwork</b> Capable of contributing significantly and working enthusiastically both Independently and in a group.</p> <p><b>PO6: Multicultural competence</b> Recognizes and assesses societal, environmental and cultural issues related to area of study within the local and global context.</p> <p><b>PO7: Leadership readiness/qualities.</b> Develops leadership skills, takes initiative, mobilizes resources has the capacity to lead group projects and initiatives successfully.</p> <p><b>PO8: Lifelong learning.</b> Capable of staying motivated to be updated consistently with content, concepts, theories, specializations, fields, technologies, books and avenues to meet professional and personal needs at any given instant.</p>

<b>Programme Specific Outcomes:</b>	<p><b>PSO1:</b> Acquires knowledge and understanding concepts in core areas such as interior design and decoration and supporting courses in Textiles, Mass Communication as well as Nutrition.</p> <p><b>PSO2:</b> Develops ability to articulate subject knowledge effectively both orally or written to all categories of stake holders/beneficiaries such as patients, clients, and professional's and layperson.</p> <p><b>PSO3:</b> Acquires skill to translate knowledge of art and design to select interiors, structure and Decorative requirements of residential and commercial places and capable of pursuing higher education, research or engaging in teaching, Entrepreneurship, public or corporate sector.</p>
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**Eligibility for Admission:**

Candidates for admission to the first year of the Bachelor of Interior Design and Décor course shall be required to have passed the Higher Secondary Examination by the Government of TamilNadu or any equivalent.

## Methods of Evaluation and Assessment

<b>Methods of Evaluation</b>		
Internal Evaluation		25 Marks
External Evaluation	End Semester Examination	75 Marks
	<b>Total</b>	<b>100 Marks</b>
<b>Methods of Assessment</b>		
Recall (K1)	Simple definitions, Concept definitions.	
Understand / Comprehend (K2)	Short essays, Concept explanations, short summary or overview.	
Application (K3)	Suggest idea/concept with examples, Explain.	
Analyze (K4)	Finish a procedure in many steps, Differentiate Between various ideas.	
Evaluate (K5)	Longer essay/Evaluation essay, Critique or justify with pros and cons.	
Create (K6)	Discussion.	

Semester - I							Semester - II						
Code	Course Title	Hours Distribution				C	Code	Course Title	Hours Distribution				C
		L	T	P	S				L	T	P	S	
24UFTA11	Tamil - I	4	1	0	0	3	24UFTA21	Tamil - II	4	1	0	0	3
24UFUR11	Urdu-I	4	1	0	0	3	24UFUR21	Urdu-II	4	1	0	0	3
24UFHI11	Hindi-I	4	1	0	0	3	24UFHI21	Hindi-II	4	1	0	0	3
24UFEN11	English - I	4	1	0	0	3	24UFEN21	English - II	4	1	0	0	3
24UIDC11	CC – 1 Life Space Planning	4	2	0	0	5	24UIDC21	CC – 3 Applied Art on Textiles	4	2	0	0	5
24UIDP12	CC - 2 (Practical) Life Space Planning	0	0	4	0	3	24UIDC22P	CC - 4 (Practical) Applied Art on Textiles	0	0	4	0	2
24UIDA11	EC - 1 AL Fundamentals of Art and Design	3	1	0	0	3	24UIDA21	EC - 2 AL Colour and Lighting	3	1	0	0	4
24UIDS11	SEC – 1 NM Event Management	1	0	1	0	2	24UIDA22P	EC - 3 AL Practical Visual Composition in Colour and Lighting	0	0	2	0	2
24UIDS12	SEC - 2 Handicrafts of India	1	0	1	0	2	24UIDS21	SEC – 3 Front Office Management	1	1	0	0	2
24UIDF11	FC Foundation Course in Interior Design	1	1	0	0	2	24UAEC21	AEC – 1 Life Skills Through Yoga	1	1	0	0	2
					<b>30</b>	<b>23</b>						<b>30</b>	<b>23</b>

Semester - III						
24UFTA31	Tamil - III	4	1	0	0	3
24UFUR31	Urdu-III					
24UFHI31	Hindi-III					
24UFEN31	English - III	4	1	0	0	3
	CC – 5					
24UIDC31	Computer Aided Design -I	4	2	0	0	5
24UIDC32P	CC - 6 (Practical) Computer Aided Design (P)	0	0	4	0	2
24UIDA31	EC - 4 AL A) Building Services					
		3	1	0	0	4
24UIDA32	B) Graphic Design					
	EC - 5 AL (Practical)					
24UIDA33P	A) Building Services (Practical)	0	0	2	0	2
	B) Graphic Design (Practical)					
24UIDA34P						
	SEC -4					
24UIDS31	Free Hand Sketching	1	0	1	0	2
24UIDS31	AEC – 2 Human Values and Professional Ethics	1	1	0	0	2
					<b>30</b>	<b>23</b>

Semester - IV						
24UFTA41	Tamil - IV	4	1	0	0	3
24UFUR41	Urdu-IV					
24UFHI41	Hindi-IV					
24UFEN41	English - IV	4	1	0	0	3
	CC – 7 Floriculture and Landscape Design					
24UIDC41		3	1	2	0	5
24UIDC42P	CC - 8 (Practical) Floriculture and Landscape Design Practical	0	0	4	0	2
24UIDA41	EC - 6 AL A) Furniture Design					
		3	1	0	0	4
24UIDA42	B) Furnishing in Interiors					
	EC - 7 AL (Practical)					
24UIDA43P	A) Furniture Design Practical	0	0	2	0	2
	B) Furnishing in Interiors Practical					
24UIDA44P						
	SEC – 5					
24UIDS41	Accessories in Interiors	1	0	1	0	2
24UAEC41	AEC – 3 Environmental Studies and Disaster Management	1	1	0	0	2
					<b>30</b>	<b>23</b>

Semester - V						
24UIDC51	CC -9					
	Google	4	1	0	0	4
	Sketchup					
24UIDC52P	CC- 10 (Practical)					
	Google	0	0	4	0	4
	Sketchup					
	Practical (P)					
24UIDC53	CC – 11 Commercial Space Design	2	1	1	0	4
24UIDC54P	CC - 12 (Practical) Commercial Design Studio	0	0	3	0	2
24UIDE51	EC - 8 A) Kitchen Design B) Ergonomics	4	1	0	0	4
24UIDE52						
24UIDE53	EC – 9 A) Applied Arts B) Entrepreneur ship Development	4	1	0	0	4
24UIDE54						
24UAEC51	AEC – Gender Equality and Social Inclusion	1	1	0	0	2
24UIDIN51	Internship					2
24UIDIK51	Indian Heritage and Interior Design				2	

Semester - VI						
24UIDC61	CC – 13					
	Fundamentals of Architecture	4	1	0	0	4
24UIDC62P	CC - 14 Practical					
	Fundamentals of Architecture (P)	0	0	5	0	3
24UIDC63P	CC - 15 – Project	0	0	0	5	4
24UIDE61	EC – 10 A) Professional Practice B) Mass Communication	4	1	0	0	4
24UIDE62						
24UIDE63	EC – 11 A) Green Building Technology B) Fine Arts – Drawing and Painting	4	1	0	0	4
24UIDE64						
24UIDP51	PEC - 1 Fall ceiling	1	1	0	0	2
24UIDL51	SLC – 1 Client Communication and Presentation					3 2
						30 23
						141+2*

Students must complete at least one online course (MOOC) from platforms like SWAYAM, NPTEL, or Nanmulalvan within the fifth semester. Additionally, engaging in a specified Self-learning Course is mandatory to qualify for the degree, and successful participation will be acknowledged with an extra credit of 2\*.

Part – 1 & 2	Tamil & English	8	SEC	Skill Elective Course	5
CC	Core Course	15	FC	Foundation Course	1
EC-AL	Elective Course – Applied	7	AEC	Ability Enhancement Course	4
EC	Elective Course - Major	4	SLC	Self-Learning Course	1

## 1<sup>st</sup> YEAR: FIRST SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC11	LIFE SPACE PLANNING	CC - 1	4	2	0	0	3	6	25	75	100
<b>Learning Objectives</b>											
LO1	Understand various technical aspects of building structures.										
LO2	Acquire knowledge in planning a life space.										
LO3	Application of creating a life space in interior room arrangement.										
LO4	Acquire knowledge in types of doors and windows										
LO5	Know about methods of construction and types of construction										
Unit	Content										Hours
1	<b>Housing</b> – Selection of site and functions of house. Basic principles of planning a life space - Orientation, Grouping, Roominess, Lighting, Circulation, Storage Facilities and Privacy. Division of space - private space, public space, work space and traffic space, utility space.										18
2	<b>Types of house plans</b> – Site plan, Floor plan, Elevation, Cross section and Perspective view. Types of Building - One Room Apartment, Twin Houses, Row houses and Multi-storey flats.										18
3	<b>Creating a life space-</b> Factors in planning different rooms – Living Room, Bedroom, Dressing Room, Dining, Kitchen, Study Room, Storeroom, Bathroom, Utility space, Staircase and Veranda.										18
4	<b>Types of Doors</b> – Hinged, Sliding, Swing, Revolving, Panelled and Louvered; Windows – Casement, Pivoted, Sliding, Bay window and Clerestory; Arches – Segmental, Semicircular, Pointed; Roofs – Flat roofs – Madras Terrace and RCC Roof and Pitched roofs. Lintels- Timber, stone, Brick, Steel, Reinforced Brick lintel, Reinforced Concrete Lintel.										20
5	<b>Rainwater harvesting</b> – Meaning, purpose, Benefits of using rainwater, components of rain water harvesting system, methods - surface run off and roof top rain water harvesting.										16

CO	Course Outcomes
CO1	Understand the principles in planning a life space.
CO2	Examine the factors to be considered in planning different rooms.
CO3	Develop technical terms and construction techniques in buildings.
CO4	Discuss the types of life spaces and their application.
CO5	Appreciate the methods of construction.

<b>Textbooks:</b>	
1	Dr. B.C. Punmia, Ashok Kumar Jain and Arun Kumar Jain, (Tenth edition). Building Construction. Laxmi Publications (P) Ltd.
2	Faulkner. R, and Faulkner. S. (1987), Inside Today's Home, Rinehart publishing company, Newyork.
3	P.C. Varghese, (May 2013). Building Construction, PHI Learning Private Limited.
4	Riggs,R. (1992), Materials and components of Interior Design, prentice Hall of India Pvt.Ltd, New Delhi.
5	S.S. Bhavikatti, (2012). Building Construction, Vikas Publishing Home Pvt Ltd.
<b>Reference Books:</b>	
1	The Interior Design Style Lookbook By Aseel A.H. Ahmad · 2020. ISBN: 9798605595267. Published:5 March 2020
2	Residential Interior Design - A Guide To Planning Spaces By Maureen Mitton, Courtney Nystuen · 2011. ISBN: 9781118013038, 1118013034. Published:29 March 2011
3	Human Dimension and Interior Space - A Source Book of Design Reference Standards By Julius Panero, Martin Zelnik · 2014. ISBN: 9780770434601, 0770434606. Published: 21 January 2014. Publisher: Clarkson Potter/Ten Speed
<b>Web resources:</b>	
1	<a href="http://www.mppcb.nic.in/rwh.htm">www.mppcb.nic.in/rwh.htm</a>
2	<a href="http://ocw.mit.edu/courses/architecture/4-461-building-technology-i-materials-and-construction-fall-2004/lecture-notes/">http://ocw.mit.edu/courses/architecture/4-461-building-technology-i-materials-and-construction-fall-2004/lecture-notes/</a>
3	<a href="http://www.mist.ac.in/pdfs/principles-of-planning.pdf">http://www.mist.ac.in/pdfs/principles-of-planning.pdf</a>
4	<a href="http://www.aboutcivil.org/site-selection-for-residential-buildings.html">http://www.aboutcivil.org/site-selection-for-residential-buildings.html</a>
5	<a href="http://www.housingeducators.org/Journals/H&amp;S_Vol_24_No_3_Space_Planning_in_Residential_Design.pdf">http://www.housingeducators.org/Journals/H&amp;S_Vol_24_No_3_Space_Planning_in_Residential_Design.pdf</a>

### Mapping with Programme Outcomes and Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	2	2	2	3	3	3	3
<b>CO2</b>	3	3	3	2	2	2	2	3	3	3	3
<b>CO3</b>	3	3	3	2	2	2	2	2	3	3	3
<b>CO4</b>	3	3	3	2	2	2	2	2	3	3	3
<b>CO5</b>	3	3	3	3	2	2	3	3	3	3	3
<b>Total</b>	15	15	15	11	10	10	11	13	15	15	15
<b>Average</b>	3	3	3	2.2	2	2	2.2	2.6	3	3	3

3 – Strong, 2- Medium, 1- Low

## 1<sup>st</sup> YEAR: FIRST SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC12P	LIFE SPACE PLANNING PRACTICAL	CC - 2	0	0	4	0	3	3			100
<b>Learning Objectives</b>											
LO1	Gain an understanding on tools and techniques of drafting.										
LO2	Acquire knowledge in planning the room interiors.										
LO3	Application of furniture arrangement in rooms										
LO4	Gain knowledge in building										
LO5	Implement strategies for decluttering, organizing, and optimizing existing living spaces to improve efficiency, comfort, and overall well-being.										
Unit	Content										Hours
1	Use of drawing instruments, Types of Lines, Lettering, Dimension and Use of Scales.										10
2	Technical drawing - Isometric view of simple furniture – Table, Chair, Sofa, Dining table.										12
3	Furniture arrangement of living room, bedroom, study room, dining and kitchen.										12
4	Understanding a building and its interiors in terms of plan, elevation and section.										12
5	Floor plans for low-, middle- and high-income group. Vaastu in House plan.										14

CO	Course Outcomes
CO1	Experiment with drafting tools and techniques.
CO2	Analyze different ways of arranging furniture in a given space.
CO3	Design of simple layout for rooms.
CO4	Understand the features of Site plan.
CO5	Examine the Vaastu aspects of a house.
<b>Textbooks:</b>	
1	Prabhakar, L.V. (1998), Vasthu – The user’s manual, The Avenue press, Chennai
2	Riggs, R. (1992), Materials and components of Interior Design, prentice Hall of India Pvt.Ltd, New Delhi.
3	Faulkner. R, and Faulkner. S. (1987), Inside Today’s Home, Rinehart publishing company, New York.
<b>Reference Books:</b>	
1	The Interior Design Style Lookbook By Aseel A.H. Ahmad · 2020. ISBN: 9798605595267. Published:5 March 2020
2	Residential Interior Design - A Guide To Planning Spaces By Maureen Mitton, Courtney Nystuen · 2011. ISBN: 9781118013038, 1118013034. Published:29 March 2011

3	Human Dimension and Interior Space - A Source Book of Design Reference Standards By Julius Panero, Martin Zelnik · 2014. ISBN: 9780770434601, 0770434606. Published: 21 January 2014. Publisher: Clarkson Potter/Ten Speed
<b>Web resources:</b>	
1	<a href="http://www.aboutcivil.org/site-selection-for-residential-buildings.html">http://www.aboutcivil.org/site-selection-for-residential-buildings.html</a>
2	<a &amp;"="" href="http://www.housingeducators.org/Journals/H&amp;S_Vol_24_No_3_Space_Planning_in_Residential_Design.pdf">http://www.housingeducators.org/Journals/H&amp;S_Vol_24_No_3_Space_Planning_in_Residential_Design.pdf"&amp;</a>
3	<a href="http://dlpotts.iweb.bsu.edu/arch263/310files/310-reading2-trends.pdf">http://dlpotts.iweb.bsu.edu/arch263/310files/310-reading2-trends.pdf</a>

### Mapping with Programme Outcomes and Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO2</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO3</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO4</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO5</b>	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

**3 – Strong, 2- Medium, 1- Low**

## 1<sup>st</sup> YEAR: FIRST SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDA11	FUNDAMENTALS OF ART AND DESIGN	EC - 1	3	1	0	0	3	4	25	75	100
<b>Learning Objectives</b>											
LO1	Understand the elements, principles of design and principles of housing.										
LO2	Learn the concepts of color and create color scheme for interiors.										
LO3	Learn the application of art principles, elements of design, color schemes and housing principles in creating aesthetic interiors.										
LO4	Analyze and interpret artworks using terminology and concepts related to art and design fundamentals.										
LO5	Demonstrate proficiency in various art medium and techniques.										
Unit	Content										Hours
1	<b>Introduction to art and design</b> – Importance of design, Application of good taste and Role of good designer. Types of design - Structural and Decorative design. Classification of Decorative Design - Naturalistic, Stylized, Abstract and Geometrical Design.										10
2	<b>Elements of design</b> – Line and its types –horizontal, vertical, diagonal, curved, zigzag; Shape; Form – 2D & 3D, Size, Texture –tactile and visual; light, pattern, Space – positive & negative and Color – warm and cool. Application of elements to form design.										10
3	<b>Principles of Design</b> – Harmony –harmony of line, shape, size, texture and ideas. Balance – symmetrical, asymmetrical and radial. Proportion –proportional relationships, Greek oblong and Scale. Emphasis – emphasis through grouping of objects, use of contrast color, decoration, plain background space, unusual lines, shapes, and sizes. Rhythm – achieving rhythm through repetition of shapes, progression of size, continuous line movement, radiation, and gradation.										14
4	<b>Color</b> - Definition, Qualities of color, Hue, Value, Intensity. Tints and Shades. The color wheel/systems - Prang color system, Physicist's Theory, Psychologist's Theory, Harmonies of related colors-Monochromatic, Analogous and Accented Neutral; Harmonies of contrasting colours –Direct, double, split and triad.										14
5	<b>Art and Crafts</b> – Definition, kinds of art and crafts - pot Painting, idols, sculptures, glass painting, wall hanging, Pillows, cushions. Kinds of Art - Pebble art, shell art, folk arts, Metal Art, Stencil Art and its application in Interiors- Materials Required and techniques.										12

CO	Course Outcomes
CO1	Classify design types like structural and decorative design.
CO2	Use different elements of design appropriately in creating design objects.
CO3	Apply the Art principles in Interior Design.
CO4	Apply color harmonies in various rooms.
CO5	Explain the principles in planning a life space.

<b>Textbooks:</b>	
1	Andal. A and Parimalam. P, (2008), “A Text Book of Interior Decoration”, Satish Serial Publishing House.
2	Chaudhari, S. N. (2006), “Interior Design”, Aavishkar Publishers, Jaipur.
3	Goldstein, (1976), “Artin Every Day Life”, Oxford and IBH Publishing House.
4	Kasu, A. A. 2005, “Interior Design”, Ashish Book Centre Delhi.
5	P. C. Varghese (2013), “Building Construction”, PHI Learning Private Limited.
<b>Reference Books:</b>	
1	Premavathy Seetharaman and Parveen Pannu, (2009), “Interior Design and Decoration”, CBS Publishers and Distributors Pvt Ltd. New Delhi.
2	“The Fundamentals of Interior Desig”n By Simon Dodsworth, Stephen Anderson · 2015. ISBN:9781474239349, 147423934X Published: 29 January 2015 Publisher: Bloomsbury Publishing
3	The Fundamentals of Interior Architecture By John Coles, Naomi House · 2007. ISBN: 9782940373383, 2940373388 Published: 13 December 2007. Publisher: Bloomsbury Academic. Author: John Coles, Naomi House
<b>Web resources:</b>	
1	<a href="https://www.google.co.in/?gfe_rd=cr&amp;ei=oJE8VvucFMOI8wfe0ZnICw#tbm=vid&amp;q=principles+of+design+in+interior+design">https://www.google.co.in/?gfe_rd=cr&amp;ei=oJE8VvucFMOI8wfe0ZnICw#tbm=vid&amp;q=principles+of+design+in+interior+design</a>
2	<a href="http://www.docstoc.com/docs/108663367/The-Munsell-and-Prang-Color-Systems">http://www.docstoc.com/docs/108663367/The-Munsell-and-Prang-Color-Systems</a>
3	<a href="https://www.decorilla.com/online-decorating/transitional-interior-design/">https://www.decorilla.com/online-decorating/transitional-interior-design/</a>
4	<a href="https://www.apartmenttherapy.com/modern-vs-contemporary-vs-minimalist-design-261783">https://www.apartmenttherapy.com/modern-vs-contemporary-vs-minimalist-design-261783</a>

### Mapping with Programme Outcomes and Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO2</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO3</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO4</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO5</b>	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

**3 – Strong, 2- Medium, 1- Low**

## 1<sup>st</sup> YEAR: FIRST SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDS11	EVENT MANAGEMENT	SEC – 1	1	0	1	0	2	2	25	75	100
<b>Learning Objectives</b>											
LO1	Give formal instructions and training to students to be future managers of the Event Industry.										
LO2	Effectively adjust, grow and excel in the field of Event Management.										
LO3	Analyze the roles and responsibilities of event professionals, including event planners, coordinators and vendors.										
LO4	Identify the key stages of event planning, including conceptualization, budgeting, scheduling, logistics, marketing and evaluation.										
LO5	Understanding the legal and ethical consideration in event management.										
Unit	Content										Hours
1	Historical Perspective, Introduction to event Management, Size & type of event, Event Team, Code of ethics.										5
2	Principles of event Management, concept & designing. Analysis of concept, Logistics of concept.										6
3	Feasibility, Keys to success, SWOT Analysis, Leadership, Traits and characteristics.										6
4	Aim of event; develop a mission, Establish Objectives Preparing event proposal, Use of planning tools.										5
5	Protocols, Dress codes, staging, staffing, event safety and security - Occupational safety, Crowded management.										8

CO	Course Outcomes
CO1	Apply the Fundamentals of interior and exterior treatments based on climate, cost, style and location
CO2	Compare the types of structural and applied wall finishes.
CO3	Analyze the different treatments of ceiling finish with innovative materials.
CO4	Classify the types of Hard, semi-hard and soft floor finishes.
CO5	Select and apply the various finishes based on care and maintenance.
<b>Textbooks:</b>	
1	Meegan Jones, (2017), Sustainable Event Management – A Practical guide, 3 <sup>rd</sup> edition, Routledge, ISBN: 978-1138217621

2	Judy Allen, (2000), Event Planning, the ultimate guide, 2 <sup>nd</sup> Edition, John Willey & Sons Inc, ISBN: 978-0470155745.
<b>Reference Books:</b>	
1	Events Management- An Introduction. By Charles Bladen, James Kennell, Emma Abson, Nick Wilde · 2012 ISBN:9781136980398, 1136980393. Published:12 June 2012 Publisher: Taylor & Francis. Author: Charles Bladen, James Kennell, Emma Abson, Nick Wilde
2	Event Management - A Professional & Development Approach By Ashutosh Chaturvedi · 2009 ISBN: 9788190794190, 8190794191. Published:2009. Publisher: Global India Publications Pvt. Limited Author: Ashutosh Chaturvedi
<b>Web resources:</b>	
1	<a href="https://www.uou.ac.in/sites/default/files/slm/HM-402.pdf">https://www.uou.ac.in/sites/default/files/slm/HM-402.pdf</a>
2	<a href="https://youtu.be/VE-mj0_uFHY?feature=shared">https://youtu.be/VE-mj0_uFHY?feature=shared</a>

### Mapping with Programme Outcomes and Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	3	2	2	3	3	3	3
<b>CO2</b>	3	3	3	2	3	2	2	3	3	3	3
<b>CO3</b>	3	3	3	2	3	2	2	3	3	3	3
<b>CO4</b>	3	3	3	2	3	2	2	3	3	3	3
<b>CO5</b>	3	3	3	2	3	2	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	10	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	2	2	3	3	3	3

**3 – Strong, 2- Medium, 1- Low**

## 1<sup>st</sup> YEAR: FIRST SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDS12	HANDICRAFTS OF INDIA	SEC - 2	1	0	1	0	2	2	25	75	100
<b>Learning Objectives</b>											
LO1	Identification of craft Traditions of India and its Cultural Significance.										
LO2	Knowledge in various enrichment of different materials										
LO3	Classify craft items in interiors.										
LO4	A comprehensive understanding of the traditional Indian textile arts, their cultural significance, and practical skills in creating similar designs.										
LO5	Knowledge on cultural and historical significance of crafts.										
Unit	Content										Hours
1	<b>Handicraft:</b> Definition, craft traditions of India and its cultural Significance, role of Handicraft in Indian economy, Kinds of Handicrafts in India										5
2	<b>Enrichment of different materials.</b> Wood - methods of shaping and decorating - printing, varnish, shellac, lacquer. Woodwork - cutting, turning, and carving. Ceramics - Definition, Types - earthenware, stoneware, chinaware, porcelain and terracotta. Mosaic - meaning, creating art pieces with mosaics - direct and indirect method.										8
3	<b>Handicrafts traditions of Southern India:</b> Tanjore doll, Kondapalli toys, channapatna toys, basket weaving, palm craft, hand fans, wooden and stone crafts, metal crafts of Tamilnadu.										6
4	<b>Handicraft Traditions of North India:</b> Bagh (block print), Bherugarh, chhipa art, Dabu print, Bandhej or Bandhani, Madhubani, Kalamkari. Motifs used: Maheshwari, chanderi and bagh motifs										6
5	<b>Handicraft traditions of East and West:</b> Comb craft, terracotta, betel nut craft, stone craft, doll craft, bamboo craft, wooden craft, leather and clay craft										5

CO	Course Outcomes
CO1	Identify traditional crafts of India.
CO2	Classify various craft materials.
CO3	Compare and organize craft items in interiors.
CO4	Criticize the craft process and techniques.
CO5	Design new products for craft revival and income generation.

<b>Textbooks:</b>	
1	Nandhita Krishna(1999) Arts and crafts of TamilNadu (Living traditions of India) Grantha Corporation
2	Andal.A and Parimalam.P, (2008). A Text Book of Interior Decoration. Satish Serial Publishing House
3	Ranjan Aditi (2009), Handmade in India, Crafts of India, Map in Publishing House
<b>Reference Books:</b>	
1	Crafts Atlas of India - By Jaya Jaitly · 2012. ISBN: 9788189738372, 8189738372. Publisher: Niyogi Books
2	Handmade in India - Crafts of India By M. P. Ranjan, Aditi Ranjan · 2007 ISBN: 9781890206857, 1890206857. Published: 2007. Publisher: Council of Handicraft Development Corporations
<b>Web resources:</b>	
1	<a href="https://prepp.in/news/e-492-indian-handicrafts-art-and-culture-notes">https://prepp.in/news/e-492-indian-handicrafts-art-and-culture-notes</a>
2	<a href="https://prepp.in/news/e-492-metal-crafts-indian-handicrafts-art-and-culture-notes">https://prepp.in/news/e-492-metal-crafts-indian-handicrafts-art-and-culture-notes</a>
3	<a href="http://www.handicrafts.nic.in/themecrafts/ThemeCrafts.aspx">http://www.handicrafts.nic.in/themecrafts/ThemeCrafts.aspx</a>

### Mapping with Programme Outcomes and Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	2	3	2	2	3	3	3
<b>CO2</b>	3	3	3	2	2	3	2	2	3	3	3
<b>CO3</b>	3	3	3	2	2	3	2	2	3	3	3
<b>CO4</b>	3	3	3	2	2	3	2	2	3	3	3
<b>CO5</b>	3	3	3	2	2	3	2	2	3	3	3
<b>Total</b>	15	15	15	10	10	15	10	10	15	15	15
<b>Average</b>	3	3	3	2	2	3	2	2	3	3	3

**3 – Strong, 2- Medium, 1- Low**

## 1<sup>st</sup> YEAR: FIRST SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDF11	FOUNDATION COURSE IN INTERIOR DESIGN	FC	1	1	0	0	2	2	25	75	100
<b>Learning Objectives</b>											
LO1	Understand the importance of interior design.										
LO2	Learn the Qualities, roles and job description of interior designer.										
LO3	Understand the specific requirements and desires of the client, considering their lifestyle, budget and personal taste in interiors.										
LO4	Explore the fundamental principles and elements of design.										
LO5	Understand the history, evolution, and significance of interior design as a discipline within the broader context of art, architecture and design.										
Unit	Content										Hours
1	<b>Interior design</b> – Definition, Concept, Scope of Interior Design, Elements of design and Principles of design.										5
2	<b>Interior Designer</b> – Essential qualities and skills required for Interior Designers, Job Description of Interior Designer – Planning layouts, 3D modelling, Building materials and Finishes, Color Schemes, Lighting, Decorations, Landscaping, Furniture design, Furnishings.										10
3	<b>Interior Design Path</b> – Core and Elective Courses, Practical Sessions, Projects, Internships, Software knowledge, Portfolio making, Communication and Soft Skills.										5
4	<b>Interior Design Profession</b> – Interior designer Co-ordinating with Clients, Engineers, Architects and Builders.										5
5	<b>Interior Design Career</b> – Seeding importance of higher studies and its role in enhancing job opportunities. Residential and commercial building plans, Landscape Garden Designing, Modular Kitchen Designing, Ergonomic Furniture designing, Lighting design, Event Management, Graphic designing, Free-lancing. Start-up with their own business-basic knowledge										5

CO	Course Outcomes
CO1	Understand the scope of interior design.
CO2	Identify the qualities and skills required for interior designer.
CO3	Execute the Interior Design path.
CO4	Organizing work with co-workers.
CO5	Building career in interior design.

<b>Textbooks:</b>	
1	Andal. A and Parimalam.P, (2008), “A Text Book of Interior Decoration”, Satish Serial Publishing House.
2	Chaudhari, S.N. (2006), “Interior Design”, Aavishkar Publishers, Jaipur.
3	Goldstein, (1976), “Art in Everyday Life”, Oxford and IBH Publishing House.
<b>Reference Books:</b>	
1	Foundations of Interior Design - Studio Instant Access. By Susan J. Slotkis · 2017. ISBN: 9781501315909, 1501315900. Published:9 February 2017. Publisher: Bloomsbury Academic
2	Premavathy Seetharaman and Parveen Pannu, (2009), “Interior Design and Decoration”, CBS Publishers and Distributors Pvt Ltd. New Delhi.
3	“The Fundamentals of Interior Design”n By Simon Dodsworth, Stephen Anderson · 2015. ISBN:9781474239349, 147423934X Published: 29 January 2015 Publisher: Bloomsbury Publishing
4	The Fundamentals of Interior Architecture By John Coles, Naomi House · 2007. ISBN: 9782940373383, 2940373388 Published: 13 December 2007. Publisher: Bloomsbury Academic. Author: John Coles, Naomi House
<b>Web resources:</b>	
1	<a href="https://www.hamstech.com/scope-of-interior-designing">https://www.hamstech.com/scope-of-interior-designing</a>
2	<a href="https://jdinstitute.co/scope-of-interior-designing-in-india/">https://jdinstitute.co/scope-of-interior-designing-in-india/</a>
3	<a href="https://www.shrm.org/resourcesandtools/tools-and-samples/job-descriptions/pages/interiordesigner.aspx#:~:text=The%20Interior%20Designer%20will%20create,building%20code%2C%20and%20inspection%20requirements.">https://www.shrm.org/resourcesandtools/tools-and-samples/job-descriptions/pages/interiordesigner.aspx#:~:text=The%20Interior%20Designer%20will%20create,building%20code%2C%20and%20inspection%20requirements.</a>
4	<a href="https://spextrum.net/whatsnext/?q=YTToyOntzOjEyOjRZXl3b3JkX3R5cGUiO3M6MzoiYWxsIjtzOjQ6InBhZ2UiO2k6OTt9&amp;bmode=view&amp;idx=6167394&amp;t=board#:~:text=An%20interior%20design%20portfolio%20is,or%20hired%20by%20a%20company.">https://spextrum.net/whatsnext/?q=YTToyOntzOjEyOjRZXl3b3JkX3R5cGUiO3M6MzoiYWxsIjtzOjQ6InBhZ2UiO2k6OTt9&amp;bmode=view&amp;idx=6167394&amp;t=board#:~:text=An%20interior%20design%20portfolio%20is,or%20hired%20by%20a%20company.</a>

### Mapping with Programme Outcomes and Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	3	3	2	2	3	3	3
<b>CO2</b>	3	3	3	2	3	3	2	2	3	3	3
<b>CO3</b>	3	3	3	2	3	3	2	2	3	3	3
<b>CO4</b>	3	3	3	2	3	3	2	2	3	3	3
<b>CO5</b>	3	3	3	2	3	3	2	2	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	10	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	2	3	3	3

**3 – Strong, 2- Medium, 1- Low**

## 1<sup>st</sup> YEAR: SECOND SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC21	APPLIED ARTS ON TEXTILES	CC- 3	4	2	0	0	5	6	25	75	100
<b>Learning Objectives</b>											
LO1	Understand the types of fibers, yarns and basic weaves										
LO2	Understand art and apply its principles in the creation and selection of textiles.										
LO3	Learn printing methods, embroidery techniques, and regional Indian embroideries.										
LO4	Understand textile finishes and apply designs to materials.										
LO5	Know about the surface enrichment of fabrics.										
Unit	Content										Hours
1	<b>Fundamentals of textiles</b> – Define Fiber, Types - filament fibre and staple fibre. Classification - natural, vegetable fibre, animal fibre, mineral fibre and manufactured fibre, Yarn - meaning, yarn twist -S twist, Z twist, yarn count, classification - single, ply, cord and novelty yarns.										18
2	<b>Fabric construction</b> – Define Weaving Major parts of a loom- warp beam, headles, harnesses, reed, shuttles, cloth roll. Basic weaving operation -weaving process - shedding, picking, beating up, taking up and letting off. Types of weaves - Basic weave, plain, basket and ribbed, Twill, herringbone and satin - sateen. Fancy weave – Jacquard.										18
3	<b>Traditional Embroidery in India</b> -Types of stitches in embroidery-Temporary-permanent stitches. Various embroideries of different states of India. Unique features and motifs of folk embroidery - Phulkari -Punjab, Kasuti - Karnataka, Kantha - West Bengal, Heer - Gujarat, Kashmiri embroidery - Kashmir, Chambarumal - Himachal Pradesh, Chikankari - Utter Pradesh, Toda embroidery - Tamil Nadu, and Zardosi embroidery.										20
4	<b>Pre -Treatment and Dyeing</b> -Definition, Meaning of aesthetic finish and functional finish. Importance of textile finishes, Effects of different finishing process on fabrics – bleaching process, sizing and desizing, mercerizing process. Dyes-definition, types-Mordants -Stages of dyeing.										16
5	<b>Surface enrichment of fabrics</b> -Textile printing: Hand printing, types and techniques, block, screen and stencil printing. Machine printing- roller printing, screen printing, heat transfer printing and blotch printing. Surface enrichment -Applique work, cut work, drawn thread work, sequins, Mirror work, Crocheting and Tattng.										18

CO	Course Outcomes
CO1	Understand the types of fibres, yarns and basic weaves.
CO2	Create textile designs by apply its principles.
CO3	Prepare hand embroidery samples and learn regional Indian embroideries.
CO4	Acquainted with textile finishes and able to design on textile materials.
CO5	Use various surface enrichment methods on fabrics.

<b>Textbooks:</b>	
1	Textiles – fibre to fabric, corbmann B P, International students edition, McGraw Hill book Co, Singapore 1985.
2	Textiles – fibre to fabric, corbmann B P, International students edition, McGraw Hill book Co, Singapore 1985.
3	Fundamentals of Textiles and their Care- Susheela Dantyagi, OrientLongmann Ltd (1980).
4	Textiles – fibre to fabric, corbmann B P, International students edition, McGraw Hill book Co, Singapore 1985.
5	Textiles fabrics and their Selection – Wingate I B, Allied publishers Ltd, Chennai.
<b>Reference Books:</b>	
1	Textile Design Theory in the Making, 2021. ISBN: 9781350061583, 1350061581. Published: 15 July 2021. Publisher: Bloomsbury Publishing. Editor: Elaine Igoe
2	Indian Textile Patterns and Techniques - A Sourcebook By Avalon Fotheringham, Victoria and Albert Museum · 2019. ISBN: 9780500480427, 0500480427. Published: 16 April 2019. Publisher: WW Norton
3	On Weaving By Anni Albers · 2003 ISBN: 9780486431925, 0486431924. Published: 2003. Publisher: Dover Publications
<b>Web resources:</b>	
1	<a href="https://www.brainkart.com/article/Temporary-stitches_1790/">https://www.brainkart.com/article/Temporary-stitches_1790/.</a>
2	<a href="http://www.suembroidery.com/articles/hand_embroidery_machine_embroidery.htm">http://www.suembroidery.com/articles/hand_embroidery_machine_embroidery.htm.</a>
3	<a href="https://thedesigncart.com/blogs/news/types-of-embroidery">https://thedesigncart.com/blogs/news/types-of-embroidery.</a>
4	<a href="https://blog.nobleknits.com/blog/2018/10/17/how-many-types-of-knitting-are-there">https://blog.nobleknits.com/blog/2018/10/17/how-many-types-of-knitting-are-there.</a>
5	<a href="https://www.textileschool.com/251/knitted-fabrics-and-types/">https://www.textileschool.com/251/knitted-fabrics-and-types/.</a>

### Mapping with Programme Outcomes and Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	3	2	2	3	3	3	3	3
<b>CO2</b>	3	2	3	2	3	3	2	3	3	2	3
<b>CO3</b>	3	2	3	2	3	3	3	3	3	3	3
<b>CO4</b>	3	2	3	2	3	3	3	3	3	3	3
<b>CO5</b>	3	3	3	3	2	2	3	3	3	3	3
<b>Total</b>	15	12	15	12	13	13	14	15	15	14	15
<b>Average</b>	3	2.4	3	2.4	2.6	2.6	2.8	3	3	2.8	3

3 – Strong, 2- Medium, 1- Low

## 1<sup>st</sup> YEAR: SECOND SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC22P	APPLIED ARTS ON TEXTILES PRACTICAL	CC - 4	0	0	4	0	2	4	25	75	100
<b>Learning Objectives</b>											
LO1	Develop the skills and appreciation for mastering the art of embroidery.										
LO2	Acquire practical skills related to Pre-Treatment and Dyeing.										
LO3	Provide technical skills and creative vision for fabric printing and weaving.										
LO4	Develop skills in fabric painting										
LO5	Embellish the fabrics with various techniques of surface ornamentation										
Unit	Content										Hours
1	Embroideries of India – Types of Embroidery – Running stitch, Back stitch, Overcast stitch, Over hand stitch, Stem stitch, Chain stitch, Satin stitch, Blanket stitch, Button hole stitch, and Lazy daisy stitch. Uses of embroidery stitches.										12
2	Pre-Treatment and Dying – Types of Dyes – Natural, Synthetic, Tie and Dye.										12
3	Printing Techniques – Stencilling, Batik, Screen Printing, Block Printing. Weaving – Types of Weaves – Basic, Plain, Basket, Ribbed, Twill – Herringbone and Satin – Sateen.										12
4	Fabric Painting - Painting Techniques – Brush strokes, Splashing, Spraying.										12
5	Surface Embellishment - Applique, cut work, Quilting, Bead work, Sequin work, Mirror work, Kundan/Stonework, Glitter Art, Crocheting.										12

CO	Course Outcomes
CO1	Develop skills and cultural awareness to create and appreciate embroidery.
CO2	Comprehensive understanding of pre-treatment and dyeing.
CO3	Proficient in printing and weaving techniques for creative textile design.
CO4	Identify fabric painting techniques by fabric and use.
CO5	Create items using surface embellishment techniques.
<b>Textbooks:</b>	
1	Susan Stein, (2010). The complete photo guide to textile art, Creative publishing International Inc. Quayside Publishing Groups, China
2	ShailajaD.Naik, (1997). Folk embroidery and handloom weaving, A.P.H. Publishing
3	Ryan, (1995). The Complete Encyclopedia of Stitches, Adams Media Corporation Holbrook

4	Bernard. P. Corbman, (1983). Textiles - Fibre to Fabric, McGraw-Hill. Corporation, New York.
5	Mathews. M (2005), Practical Clothing Construction, Part 1 & 2, Cosmic Press, Chennai.
<b>Reference Books:</b>	
1	Textile Design Theory in the Making, 2021. ISBN: 9781350061583, 1350061581. Published: 15 July 2021. Publisher: Bloomsbury Publishing. Editor: Elaine Igoe
2	Indian Textile Patterns and Techniques - A Sourcebook By Avalon Fotheringham, Victoria and Albert Museum · 2019. ISBN: 9780500480427, 0500480427. Published: 16 April 2019. Publisher: WW Norton
3	On Weaving By Anni Albers · 2003 ISBN: 9780486431925, 0486431924. Published: 2003. Publisher: Dover Publications
<b>Web resources:</b>	
1	<a href="https://www.craftsvilla.com/blog/famous-indian-embroidery-styles/">https://www.craftsvilla.com/blog/famous-indian-embroidery-styles/</a>
2	<a href="https://www.iloencyclopaedia.org/component/k2/item/880-cotton-yarnmanufacturing">https://www.iloencyclopaedia.org/component/k2/item/880-cotton-yarnmanufacturing</a>
3	<a href="https://www.slideshare.net/hemaupadhayay/traditional-embroideries-of-india-76836145">https://www.slideshare.net/hemaupadhayay/traditional-embroideries-of-india-76836145</a>
4	<a href="https://www.iloencyclopaedia.org/component/k2/item/880-cotton-yarnmanufacturing">https://www.iloencyclopaedia.org/component/k2/item/880-cotton-yarnmanufacturing</a>
5	<a href="https://www.craftsvilla.com/blog/famous-indian-embroidery-styles/">https://www.craftsvilla.com/blog/famous-indian-embroidery-styles/</a>

### Mapping with Programme Outcomes and Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	2	3	2	3	3	3	3	3	2	3
<b>CO2</b>	3	3	3	3	3	3	3	3	3	2	3
<b>CO3</b>	3	2	3	3	2	3	2	3	3	3	2
<b>CO4</b>	3	3	2	3	3	3	3	2	3	3	3
<b>CO5</b>	3	3	2	2	3	3	3	3	3	3	3
<b>Total</b>	15	13	13	13	14	15	14	14	15	13	14
<b>Average</b>	3	2.6	2.6	2.6	2.8	3	2.8	2.8	3	2.6	2.8

**3 – Strong, 2- Medium, 1- Low**

## 1<sup>st</sup> YEAR: SECOND SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDA21	COLOUR AND LIGHTING	EC - 2	3	1	0	0	4	4	25	75	100
<b>Learning Objectives</b>											
LO1	Understanding the theory and application of color in design.										
LO2	Learn to apply color theory, systems, and harmonies.										
LO3	Know about Various colour Systems and colour Harmonies.										
LO4	Balance lighting through sources, aesthetics, efficiency, and glare control.										
LO5	Learn about the lighting accessories and its types in various areas.										
Unit	Content										Hours
1	Concept of colour – sources of colour, significance of colour in the interiors and exteriors, dimensions of color – hue - Classification of different hues and their emotional effects. Value – Role of lightness and darkness in design. Importance of contrast in value for enhancing focal points. Intensity - Using intensity to influence mood and space.										10
2	The range of visible light (400nm to 700 nm). Color systems - Prang, Munsell. Color harmonies - related and contrasting. Factors considered in selecting colour harmonies.										12
3	Application of colour harmonies in the interiors and exteriors, Effect of light on color: Color in light: Additive Color Mixing (RGB Model): Red, Green, Blue light Combinations. Subtractive Color Mixing (CMYK Model): Cyan, Magenta, Yellow pigments. Illusion of color, psychology of color, effect of color upon each other.										12
4	Importance of lighting, Sources – Natural and Artificial lighting, Benefits of effective lighting, Principles of lighting, Types – based on material, reflection, architectural elements and uses. Specific factors in lighting – measurements of lighting, location and direction, size, shape and colour. Economy in lighting, Glare - its types, causes and prevention.										13
5	Lighting accessories – Selection of lamps and lighting fixtures, lighting for Residential interiors-living room, bed room, children’s room, kitchen, bathroom. Commercial interiors - hotels and motels, restaurants, showrooms, retail outlets, school and colleges, health care facilities. Recent Trends in use of color and lighting in residential and commercial spaces.										13

CO	Course Outcomes
CO1	Use color to enhance visual appeal and functionality.
CO2	Apply color theory and harmonies in design projects.
CO3	Create color harmony in interior and exterior spaces.
CO4	Understand, apply, classify, and optimize lighting efficiently.
CO5	Capable of applying lighting accessories in various areas.
<b>Textbooks:</b>	

1	Seetharaman, P and Pannu, P. Interior Design and Decoration, CBS Publishers and Distributors, New Delhi
2	Faulkner, S and Faulkner, R, (1987), Inside Today 's Home, Rinehart Publishing company, Newyork.
3	Pratap R.M (1988), Interior Design Principles and Practice, Standard Publishers Distribution, Delhi.
<b>Reference Books:</b>	
1	Color Rendering - A Guide for Interior Designers and Architects: Concept, Exploration, Process. By Wei Dong · 1997 ISBN: 9780070180079, 0070180075. Publisher: McGraw-Hill. Original from: the University of Wisconsin - Madison
2	Designing with Light - The Art, Science, and Practice of Architectural Lighting Design By Jason Livingston · 2021 ISBN: 9781119807780, 1119807786. Published: 21 December 2021. Publisher: Wiley
3	Color Planning for Interiors - An Integrated Approach to Color in Designed Spaces By Margaret Portillo · 2010. ISBN: 9781118004876, 1118004876. Published: 9 September 2010. Publisher: Wiley
4	Beautiful Light - An Insider's Guide to LED Lighting in Homes and Gardens By Randall Whitehead, Clifton Lemon · 2021 ISBN: 9781000383362, 1000383369. Published: 12 August 2021. Publisher: Taylor & Francis
5	Lighting: Interior and Exterior By Robert Bean · 2012. Published: 10 September 2012. Publisher: Taylor & Francis
<b>Web resources:</b>	
1	<a href="https://www.shiftelearning.com/blog/how-do-colors-influence-learning">https://www.shiftelearning.com/blog/how-do-colors-influence-learning</a>
2	<a href="https://www.canva.com/learn/website-color-schemes/">https://www.canva.com/learn/website-color-schemes/</a>
3	<a href="https://www.tcpi.com/psychological-impact-light-color/">https://www.tcpi.com/psychological-impact-light-color/</a>
4	<a href="https://www.leefilters.com/lighting/colour-list.html">https://www.leefilters.com/lighting/colour-list.html</a>
5	<a href="https://www.lampshonline.com/advice/top-ten-tips-for-restaurant-lighting">https://www.lampshonline.com/advice/top-ten-tips-for-restaurant-lighting</a>

### Mapping with Programme Outcomes and Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	2	3	2	3	3	3	3	3	3
<b>CO2</b>	3	3	3	3	3	3	2	3	3	3	3
<b>CO3</b>	3	3	3	2	3	2	3	3	3	3	3
<b>CO4</b>	3	3	3	3	2	3	3	2	3	3	3
<b>CO5</b>	2	3	3	3	2	2	3	3	3	3	3
<b>Total</b>	14	15	14	14	12	13	14	14	15	15	15
<b>Average</b>	2.8	3	2.8	2.8	2.4	2.6	2.8	2.8	3	3	3

**3 – Strong, 2- Medium, 1- Low**

## 1<sup>st</sup> YEAR: SECOND SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDA22P	VISUAL COMPOSITION IN COLOUR AND LIGHTING	EC- 3	0	0	2	0	2	2	25	75	100
<b>Learning Objectives</b>											
LO1	Acquire color theory and its application in design										
LO2	Develop the ability to apply various color harmonies										
LO3	Use lighting to enhance texture, composition, and functionality.										
LO4	Applying design principles to create functional, aesthetic spaces.										
LO5	Understanding design principles across art mediums for effective critique.										
Unit	Content										Hours
1	Importance of colour in design- Hue Identification Exercise-Create a color wheel chart showing primary, secondary, and tertiary -Value Scale Creation-Intensity Experiment.										6
2	Painting different rooms with various colour harmonies. Color harmonies play a vital role in room painting, creating specific moods and aesthetics-Monochromatic, Analogous, Complementary, Split Complementary, Triadic, Tetradic Harmony.										6
3	Lighting -Types of Lighting: Ambient, task, and accent lighting. Natural vs. artificial lighting in composition. Lighting direction: Front, side, back, and top lighting. Lighting on Texture. Illustrate types of Lighting fixtures. Market Survey										6
4	Apply the art principles in arrangement of: Living room, study room, pooja room, bedroom, Kitchen comes dinning adolescent boys or girl's room and birthday party.										6
5	Evaluate the given art objects based of elements and principles. Select two Different art objects and conduct a comparative analysis.										6

CO	Course Outcomes
CO1	Expertise of color theory and its design applications.
CO2	Use color harmonies to set moods and enhance room aesthetics.
CO3	Skill in designing lighting for functionality and aesthetics.
CO4	Skill in designing balanced, functional, and comfortable interiors.
CO5	Skill in analysing art using design principles across mediums.
<b>Textbooks:</b>	
1	Faulkner, S. and Faulkner, R, (1987), Inside Today's Home, Rinehart Publishing company, Newyork.
2	Caroline cliftenet. al., The Complete Home Decorator, Portland House New York.
3	Seetharaman, P and Pannu, P. Interior Design and Decoration, CBS Publishers and Distributors, New Delhi
4	Pratap R.M (1988), Interior Design Principles and Practice, Standard Publishers Distribution,

	Delhi.
5	Goldstein, Art in Everyday life, Oxford and IBH Publishing House.
<b>Reference Books:</b>	
1	Color Rendering - A Guide for Interior Designers and Architects: Concept, Exploration, Process. By Wei Dong · 1997 ISBN: 9780070180079, 0070180075. Publisher: McGraw-Hill. Original from: the University of Wisconsin - Madison
2	Designing with Light - The Art, Science, and Practice of Architectural Lighting Design By Jason Livingston · 2021 ISBN: 9781119807780, 1119807786. Published: 21 December 2021. Publisher: Wiley
3	Color Planning for Interiors - An Integrated Approach to Color in Designed Spaces By Margaret Portillo · 2010. ISBN: 9781118004876, 1118004876. Published: 9 September 2010. Publisher: Wiley
4	Beautiful Light - An Insider's Guide to LED Lighting in Homes and Gardens By Randall Whitehead, Clifton Lemon · 2021 ISBN: 9781000383362, 1000383369. Published: 12 August 2021. Publisher: Taylor & Francis
5	Lighting: Interior and Exterior By Robert Bean · 2012. Published: 10 September 2012. Publisher: Taylor & Francis
<b>Web resources:</b>	
1	<a href="http://www2.ca.uky.edu/HES/fcs/FACTSHTS/HF-LRA.095.PDF">http://www2.ca.uky.edu/HES/fcs/FACTSHTS/HF-LRA.095.PDF</a>
2	<a href="https://www.tcpi.com/psychological-impact-light-color/">https://www.tcpi.com/psychological-impact-light-color/</a>
3	<a href="https://www.leefilters.com/lighting/colour-list.html">https://www.leefilters.com/lighting/colour-list.html</a>

### Mapping with Programme Outcomes and Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	3	3	2	3	3	3	3	3
<b>CO2</b>	2	3	3	3	3	3	3	3	3	3	3
<b>CO3</b>	2	3	2	2	3	3	3	3	3	3	3
<b>CO4</b>	3	2	3	3	3	2	2	3	3	3	2
<b>CO5</b>	3	2	3	3	3	2	3	3	3	3	3
<b>Total</b>	13	13	14	14	15	12	14	15	15	15	14
<b>Average</b>	2.6	2.6	2.8	2.8	3	2.4	2.8	3	3	3	2.8

**3 – Strong, 2- Medium, 1- Low**

## 1<sup>st</sup> YEAR: SECOND SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDS21	FRONT OFFICE MANAGEMENT	SEC - 3	1	1	0	0	2	2	25	75	100
<b>Learning Objectives</b>											
LO1	Understand the layout and functions of front office department.										
LO2	Skilled in front office operations and interdepartmental coordination.										
LO3	Know the organization structure of front office and their roles.										
LO4	Improve the qualities and skills in guest's relation service										
LO5	Proficient in personnel management and guest services.										
Unit	Content										Hours
1	Introduction to front office - Layout of front office, Organization structure of front office in small and large hotel, Front office equipment.										6
2	Areas of Front office – Reservation, Reception, Telecommunication, Guest relation Desk, Front office Cashier, Front office co-ordination with other departments – Lobby, Housekeeping, Interior Decoration, Engineering, Food and Beverage.										6
3	Ideal Qualities of front office staff, Ongoing responsibilities of front office department- Manager, Assistant manager, Supervisor, attendants and front office cashier.										6
4	Essentials of Front office personnel – Guest service – Understanding guest service, components of good service – positive and negative attitudes, customer needs and wants – physiological, security, belonging, self-actualization, status and self-esteem.										6
5	Personnel management - definitions, personal record-HRIS, Benefits of HRIS, Improving HR productivity. Uniformed services – duties performed in Lobby desk, Concierge, Bell desk, Transport services, Doorman, Valet parking attendant.										6

CO	Course Outcomes
CO1	Understand the Concept, Scope, importance of front office department.
CO2	Understand and apply the services provided in various areas of front office in a hotel.
CO3	Develop the Qualities, duties and responsibility of front office personnel.
CO4	Analyze the duties of front office personnel.
CO5	Examine the essential trait of front office personnel.
<b>Textbooks:</b>	
1	Austin, M. a et al (2008), Professional Front Office management, New Delhi: Dorling Kindersley Publication
2	Ismail, A (2005) Front Office – Operations and Management, Singapore: Thomson Delmar Publications
3	Khan, M. A (2005), Front Office, New Delhi: Anmol Publications
4	Negi, J. et. al (2011), Reception and Front Office Management, New Delhi; Kanishka Publications

5	Subban, T.R (2008), Front Office Management, New Delhi: Cyber Tech Publications.
<b>Reference Books:</b>	
1	Hotel Front Office Management By James A. Bardi · 1996. ISBN: 9780471287124, 0471287121. Published: 26 August 1996. Publisher: Wiley
2	The Heart of Hospitality - Great Hotel and Restaurant Leaders Share Their Secrets By Micah Solomon, Herve Humler · 2016. ISBN: 9781590793794, 159079379X. Published: 11 October 2016. Publisher: Select Books, Incorporated
3	Front Office Management By S K Bhatnagar · 2011 ISBN: 9788171706525, 8171706525. Published:2011. Publisher:Frank Bros. & Company
<b>Web resources:</b>	
1	<a href="http://uru.ac.in/uruonlinelibrary/Hospitality_Management/Hotel%20Front%20Office%20Management%203rd%20Edition%20-%20John%20Wiley%20and%20S.pdf">http://uru.ac.in/uruonlinelibrary/Hospitality_Management/Hotel%20Front%20Office%20Management%203rd%20Edition%20-%20John%20Wiley%20and%20S.pdf</a>
2	<a href="https://www.ihmbbs.org/upload/5)%20Front%20Office%20organisation.pdf">https://www.ihmbbs.org/upload/5)%20Front%20Office%20organisation.pdf</a>
3	<a href="http://cbseacademic.nic.in/web_material/Curriculum/Vocational/2018/Front%20OFFICE%20OPERATIONS%20XII%20(753-754)/FRONT%20OFFICE%20OPERATIONS%20(753).pdf">http://cbseacademic.nic.in/web_material/Curriculum/Vocational/2018/Front%20OFFICE%20OPERATIONS%20XII%20(753-754)/FRONT%20OFFICE%20OPERATIONS%20(753).pdf</a>
4	<a href="http://elearning.nokomis.in/uploaddocuments/Front%20office%20operations/chp%201%20Introduction%20to%20Front%20Office/PPT/Chapter%201%20-%20Introduction%20to%20Front%20Office.pdf">http://elearning.nokomis.in/uploaddocuments/Front%20office%20operations/chp%201%20Introduction%20to%20Front%20Office/PPT/Chapter%201%20-%20Introduction%20to%20Front%20Office.pdf</a>

### Mapping with Programme Outcomes and Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	3	3	3	3	3	3	3
<b>CO2</b>	3	3	3	3	3	3	2	3	3	2	3
<b>CO3</b>	3	3	3	3	3	3	3	2	3	3	3
<b>CO4</b>	3	3	3	2	3	3	3	3	3	2	3
<b>CO5</b>	3	3	3	3	3	3	3	3	3	3	2
<b>Total</b>	15	15	15	13	15	15	14	14	15	13	14
<b>Average</b>	3	3	3	2.6	3	3	2.8	2.8	3	2.6	2.8

**3 – Strong, 2- Medium, 1- Low**

## 2 nd YEAR: THIRD SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC31	Computer Aided Design-I	CC-5	4	2	0	0	5	6	25	75	100
<b>Learning Objectives</b>											
LO1	To Understand the basic concepts of AutoCAD software										
LO2	To Apply AutoCAD commands to draw different types of lines										
LO3	To Create a simple floor plan using Auto CAD command										
LO4	To Understand the uses of 3D modeling in AutoCAD										
LO5	To Demonstrate Lighting and rendering techniques										
Unit	Content										Hours
1	<b>Introduction to Auto CAD</b> - Auto CAD system requirements, AutoCAD GUI-Title bar, Menu bar, toolbar, UCS, Layout tab, Command Entry, Status bar, Task bar General commands - New, open, save, save as, close, exit - Point fixing methods-line using absolute co-ordinate system, relative rectangular co-ordinate system and relative polar co-ordinate system, circle, arc, ellipse, rectangle, polygon.										15
2	<b>Modification tools</b> -Erase, copy, move, scale, rotate, trim, extend, array, offset, mirror, break, stretch - Inquiry tools - ID, DIST, AREA, LIST, Hatching, poly line, ploy line edits, spline - spline edit, multiline, multiline edit.										14
3	<b>Drafting settings</b> - function keys, text, text style, text edit, multi text, colour, line type, line weight, zoom, pan, view, solid, donut, fillet, chamfer, layering concept - Dimensions - Linear, align, angular, radius, diameter, baseline, continue, leader - Dimension edit, Dimension styles-lines and arrows tab, fit tab, primary units, alternate units, Tolerances - Layout of drawing sheets and title block.										15
4	<b>Introduction to 3D Modeling</b> - point fixing method - absolute co-ordinate systems, relative cylindrical and relative spherical co-ordinate systems. Types of models - wire frame model, surface model and solid models - Standard primitive tools - Box, cone, wedge, torus, cylinder, sphere. Boolean operation - union, subtract, Intersect, Interference, Extrude, Revolve.										14
5	<b>Lighting</b> - Types of light - point light, spot light, Distant light, Camera - free and target camera. Materials, rendering. Data exchange - import and export of models.										14

<b>CO</b>	<b>Course Outcomes</b>
CO1	Understand the basic concepts and Commands in AutoCAD
CO2	Create different objects using modification tools.
CO3	Develop floor plan using different drafting commands.
CO4	Understand the 3D modelling concepts and tools.
CO5	Explore knowledge on Lighting and rendering tools.
<b>Textbooks:</b>	
1	Teach Yourself Auto CAD, GIBBS, BPE Publication New Delhi.
2	Omura, G. 2005, Mastering Auto CAD 2005 and Auto CAD LT 2005, BPB Publications, New Delhi
<b>Reference Books:</b>	
1	Saxena, S. (2003), A first Course in Computers, Vikas Publishing house, New Delhi
<b>Web resources:</b>	
1	<a href="http://nimi.gov.in/nimi/forms/nimicart_listproduct.aspx?idCategory=205">http://nimi.gov.in/nimi/forms/nimicart_listproduct.aspx?idCategory=205</a>
2	<a href="https://study.com/draftsman_course.html">https://study.com/draftsman_course.html</a>
3	<a href="https://en.wikipedia.org/wiki/Drafter">https://en.wikipedia.org/wiki/Drafter</a>
4	<a href="https://targetstudy.com/iti/trade/26-draughtsman-civil/">https://targetstudy.com/iti/trade/26-draughtsman-civil/</a>
5	<a href="https://compu techpublications.in/product/draughtsman-civil-th-pr-sem-1-to-4-rev-ed/">https://compu techpublications.in/product/draughtsman-civil-th-pr-sem-1-to-4-rev-ed/</a>

### Mapping with Programme Outcomes

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
<b>CO1</b>	3	3	3	2	3	2	3	3	3	3	3
<b>CO2</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO3</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO4</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO5</b>	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

**3 – Strong, 2- Medium, 1- Low**

**2 nd YEAR: THIRD SEMESTER**

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC32P	Computer Aided Design Practical	CC-6	0	0	4	0	2	4	25	75	100
<b>Learning Objectives</b>											
LO1	To Develop different shapes with 2D objects										
LO2	To Understand the different types of Lines using AutoCAD Commands.										
LO3	To Create a basic plan using Modification tool										
LO4	To Develop simple floor plan using AutoCAD commands										
LO5	To Develop Cross Section and Elevation Plan										
Unit	Content										Hours
1	<b>Creating line using point fixing methods</b> -Drawing circle, arc, ellipse, rectangle, polygon using different methods.										10
2	<b>Creating a basic plan using different modification tools</b> -such as erase, copy, move, scale, rotate, trim, extend, array, offset, mirror, break and stretch.										8
3	<b>Creating text</b> -using text style, text edit, line type, and weight. Use of zoom, pan, view command in a drawing.										8
4	<b>Drawing a floor plan</b> –with settings, layers and layer tools, dimensions, and scales.										12
5	<b>Drawing-</b> elevation, cross sectional view for the floor plan.										10

CO	Course Outcomes
CO1	Gain knowledge in different 2D shapes in AutoCAD
CO2	Creat a basic plan using modification tools in AutoCAD
CO3	Make various types of text, Lines and dimensions in drawings.
CO4	Develop a 2D floor plan using different AutoCAD tools
CO5	Develop an cross section and Elevation using a floor plan
<b>Textbooks:</b>	
1	Teach Yourself Auto CAD, GIBBS, BPE Publication New Delhi.
2	Omura, G. 2005, Mastering Auto CAD 2005 and Auto CAD LT 2005, BPB Publications, New Delhi
<b>Reference Books:</b>	
1	Saxena, S. (2003), A first Course in Computers, Vikas Publishing house, New Delhi
<b>Web resources:</b>	
1	<a href="http://nimi.gov.in/nimi/forms/nimicart_listproduct.aspx?idCategory=205">http://nimi.gov.in/nimi/forms/nimicart_listproduct.aspx?idCategory=205</a>
2	<a href="https://targetstudy.com/iti/trade/26-draughtsman-civil/">https://targetstudy.com/iti/trade/26-draughtsman-civil/</a>
3	<a href="https://study.com/draftsman_course.html">https://study.com/draftsman_course.html</a>
4	<a href="https://en.wikipedia.org/wiki/Drafter">https://en.wikipedia.org/wiki/Drafter</a>
5	<a href="https://computechpublications.in/product/draughtsman-civil-th-pr-sem-1-to-4-rev-ed/">https://computechpublications.in/product/draughtsman-civil-th-pr-sem-1-to-4-rev-ed/</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	3	3	3	3	3
CO2	3	3	3	2	3	3	3	3	3	3	3
CO3	3	3	3	2	3	3	3	3	3	3	3
CO4	3	3	3	2	3	3	3	3	3	3	3
CO5	3	3	3	2	3	3	3	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	15	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	3	3	3	3	3

3 – Strong, 2- Medium, 1- Low

## 2 nd YEAR: THIRD SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDA31	A) Building Services	EC - 4 AL	3	1	0	0	4	4	25	75	100
<b>Learning Objectives</b>											
LO1	To understand the various materials and apply in building construction										
LO2	To Acquire the knowledge of acoustical design for buildings.										
LO3	To Understand and apply the concepts of plumbing services and fire safety in buildings.										
LO4	To Understand the electrical systems, wiring, ventilation, safety, and HVAC.										
LO5	To understand the rules and Building bye laws for construction										
Unit	Content										Hours
1	<b>Introduction to building services</b> – importance, concept, Kinds of services. <b>Plumbing services</b> – Need, Purpose and general guidelines in designing plumbing system. Types of pipes – Waste water pipe, Soil pipe and vent pipe. Traps – requirements and types. Sanitary apparatus – Wash basin, Sink, Bath tub, Urinal, Water closet and Flushing cistern. Methods of plumbing system – one pipe system and two pipe system.										10
2	<b>Acoustics</b> - Definition, objectives and requirements of good acoustics, Acoustical defects and remedies - echoes, reverberation, sound foci and dead spots; Noise and its effects: Sound absorption - sound absorbent materials, <b>Electrical services</b> – Single phase and three phase supply. Wiring systems – Cleat wiring, batten, concealed wiring, Casing wiring and Conduit wiring. Electrical switches and sockets. Need and purpose of earthing system. Causes and prevention of Electrical fires.										10
3	<b>Ventilation system</b> – Definition, need and purpose. Types - Natural ventilation – general rules followed in natural ventilation, Mechanical ventilation – Air Conditioning system – Components, working principle and types. Function of heating ventilation air conditioning (HVAC) and Air Heating Unit (AHU).										10
4	<b>Fire Safety</b> - Definition and causes of fire. Classification of fire. Safety devices - Smoke detectors, Alarm system, Sprinkler system, Portable fire extinguisher, Fire hydrants and Wet riser. Fire resisting materials for buildings.										9
5	<b>Mechanical services</b> – Lifts and Escalators – Parts, working principle and types. Building Bye laws - Definition, Purpose, and technical terms – Carpet area, Built up area; set back, Floor Space Index (FSI). Requirements for Entry/Exit, Staircase, Open space, Building height and different rooms of a building.										9

CO	Course Outcomes
CO1	Understand the general principles in providing plumbing system for building.
CO2	Examine the requirements for electrical supply and distribution system.
CO3	Discuss the role of ventilation and its types.
CO4	Explain the concept of Fire safety in designing the buildings
CO5	Relate the building bye laws and standards.
<b>Textbooks:</b>	
1	Robert D. Finch, Introduction to Acoustics, Pearson Education India; First edition (25 April 2016)
2	Town and Country Planning Organisation, (2016). Model Building Bye Laws. Ministry of Urban Development
3	A.S.Panchdhan, (Second Edition 2000). Water Supply and Sanitary Installations. New Age International (P) Ltd.
<b>Reference Books:</b>	
1	Dr. B.C. Punmia, Ashok Kumar Jain & Arun Kumar Jain, (Tenth edition). Building Construction. Laxmi Publications (P) Ltd.
2	P.Purushothama Raj, Building Construction Materials and Techniques, Pearson Education India.
<b>Web resources:</b>	
1	<a href="http://bieap.gov.in/pdf/buildingmaterialsconstruction.pdf">http://bieap.gov.in/pdf/buildingmaterialsconstruction.pdf</a>
2	<a href="http://ocw.mit.edu/courses/architecture/4-461-building-technology-i-materials-and-construction-fall-2004/lecture-notes/">http://ocw.mit.edu/courses/architecture/4-461-building-technology-i-materials-and-construction-fall-2004/lecture-notes/</a>
3	<a href="https://www.wbdg.org/design-objectives/secure-safe/fire-protection">https://www.wbdg.org/design-objectives/secure-safe/fire-protection</a>
4	<a href="http://www.level.org.nz/water/wastewater/drainage-systems/">http://www.level.org.nz/water/wastewater/drainage-systems/</a>
5	<a href="http://www.ecs.umass.edu/ece/hollot/ECE497DS06/ESD_1.pdf">http://www.ecs.umass.edu/ece/hollot/ECE497DS06/ESD_1.pdf</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	3	2	3	3	3	3	2	3
CO2	3	3	3	3	2	3	3	3	3	2	3
CO3	2	3	3	3	2	3	3	3	3	3	3
CO4	2	3	3	3	2	3	3	3	3	3	3
CO5	2	3	3	3	3	3	3	2	3	3	3
<b>Total</b>	12	15	15	15	11	15	15	14	15	13	15
<b>Average</b>	2	3	3	3	2	3	3	3	3	3	3

3 – Strong, 2- Medium, 1- Low

## 2 nd YEAR: THIRD SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDA31	<b>B) Graphic Design</b>	EC - 4 AL	3	1	0	0	4	4	25	75	100
<b>Learning Objectives</b>											
LO1	To Understand the drawing and sketching exercises.										
LO2	To Understand the Significance of graphic design										
LO3	To Understand the concepts of photography, calligraphy, and typography and letterings										
LO4	To Develop brand identities and packaging designs aligned with strategies.										
LO5	To Visualize the mood boards, and digital tools.										
Unit	Content										Hours
1	<b>Introduction to Graphic Design</b> <ul style="list-style-type: none"> <li>• <b>Definition &amp; Importance</b> of Graphic Design</li> <li>• <b>Principles of Design:</b> Balance, Contrast, Alignment, Repetition, Proximity, Space</li> </ul> <b>Color Theory &amp; Psychology</b>										8
2	<b>Design Marketing Materials:</b> Posters, Flyers, Brochures, Social Media Posts. Roles and responsibilities of graphic designer. Logo Design - Definition and its importance, Types of Logos, Guidelines for creating logos.										10
3	<b>Photography</b> - Definition, Importance of photography in Graphic Design, Effective Ways of using Photography in graphic design. <b>Calligraphy</b> - Definition, Styles of calligraphy, Equipment used in calligraphy.										10
4	<b>Branding</b> - Concept, Importance of branding, Selection of Brand elements, Methods of Branding, Choosing social media for brand promotion. Introduction to Canva & Others Online Tools										10
5	<b>Visualization</b> - Visualizing interior design themes and implementing them through digital apps. Develop Port folio using Ideation, Mood board - types - Digital and physical, Components of mood board.										10

CO	Course Outcomes
CO1	Understand the concept of drawing and sketching and know the basic material and mediums used for sketching.
CO2	Create Logos and posters using graphic design.
CO3	Apply calligraphy and typography in developing graphic design.
CO4	Apply brand promotion to social media.
CO5	Visualize interior design themes through digital apps.
<b>Textbooks:</b>	
1	George Hlavacs (2022), “The Exceptionally Simple Theory of sketching”, BIS; Expanded edition, ISBN-13: 978-9063696405
2	Gilles Ronin (2019), “Drawing for Interior Designers”, Herbert Press, ISBN-13:978-1789940053
3	Jorge Paricio Garcia (2019), “Hybrid Drawing Techniques for Interior Design”, Routledge;1st edition, ISBN-13: 978-1138280663
4	Koos Eissen and Roselien Steur (2019), “Sketching: the basics”, BIS; Illustrated edition, ISBN-13: 978-9063695347
5	Robert Philip Gordon (2016), “Integrated Drawing Techniques: Designing interiors with Hand Sketching”, Fairchild Books, ISBN-13: 978-1628923353
<b>Web resources:</b>	
1	<a href="https://www.cowlingandwilcox.com/blog/2020/05/28/a-guide-to-pencil-sketchingtechniques/">https://www.cowlingandwilcox.com/blog/2020/05/28/a-guide-to-pencil-sketchingtechniques/</a>
2	Susie Hodge and Lan Sidaway (2019) t, “The Pencils, Papers and Erasers you need to start drawing”, <a href="https://www.artsy.net/article/artsy-editorial-pencils-papers-erasers-start-drawing">https://www.artsy.net/article/artsy-editorial-pencils-papers-erasers-start-drawing</a>
3	Casey Schmidt, (2020), “5 Methods of Branding that could make all the difference”, <a href="https://www.canto.com/blog/methods-of-branding/">https://www.canto.com/blog/methods-of-branding/</a>
4	Arek, (2022), “10 ways to Use Photography in Graphic Design”, <a href="https://www.ebaqdesign.com/blog/graphic-design-photography">https://www.ebaqdesign.com/blog/graphic-design-photography</a>
5	Farkas (2022), “Graphic Design- Principles of Web Deisgn”, <a href="https://faculty.washington.edu/farkas/dfpubs/Farkas-Farkas%20Graphic%20DesignCh11Principles%20of%20Web%20Design.pdf">https://faculty.washington.edu/farkas/dfpubs/Farkas-Farkas Graphic%20DesignCh11Principles%20of%20Web%20Design.pdf</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	3	3	3	3	3
CO2	2	3	3	3	3	3	3	3	3	3	3
CO3	3	3	3	2	3	3	3	3	3	3	3
CO4	3	3	3	3	3	3	3	3	3	3	3
CO5	2	1	3	3	3	3	3	3	3	3	3
<b>Total</b>	12	13	15	13	15	15	15	15	15	15	15
<b>Average</b>	2.4	2.6	3	2.6	3	3	3	3	3	3	3

**3 – Strong, 2- Medium, 1- Low**

**2 nd YEAR: THIRD SEMESTER**

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDA33P	A) Building Services Practical	EC - 5 AL	0	0	2	0	2	2	25	75	100
<b>Learning Objectives</b>											
LO1	Understanding design drawings using appropriate drafting symbols.										
LO2	Identifying technical drawings for window styles and staircase types with material details.										
LO3	Applying detailed drafts for arches, lintels, and doors with frame, hardware, and structural specifications.										
LO4	Creating lighting plans and electrical layouts with fixture applications for residential and commercial spaces.										
LO5	Analyzing accurate cost estimations for residential and commercial projects, including material and labor costs.										
Unit	Content										Hours
1	<b>Drafting Symbols</b> - Meaning, importance; Types of symbols used in drawings - Architectural symbols, Material symbols, door symbols, window symbols.										4
2	<b>Window Styles</b> - Creating technical drawings for different window styles sliding, casement, bay louvered windows with material details. Drafting various staircase types, including tread, riser, and railing details.										5
3	<b>Arches and Lintels</b> - Drafting different types of arches and lintels with segmental, semi circular, flat and gothic arches. <b>Door</b> - Detailed drafting of various door types with frame and hardware specifications.										5
4	<b>Lighting</b> - Lighting plan for a corporate office/commercial building with legends – showroom/café. <b>Electrical Fixtures</b> - Introduction to electrical fixtures, types of electrical fixtures, conduct market survey and its application in various types of residential building and commercial establishment.										5
5	<b>Estimation of Civil Works</b> – Preparation of cost estimation for all rooms in residential/commercial projects, including material and labor costs.										5

CO	Course Outcomes
CO1	Understand and Create designs using drafting symbols.
CO2	Identify technical drawings for window styles and staircase types.
CO3	Apply detailed drafts for arches, lintels, and door types with frame and hardware specifications.
CO4	Create lighting plans and electrical fixture layouts for corporate, residential, and commercial spaces.
CO5	Analyze cost estimations for residential and commercial projects, including material and labor costs.
<b>Textbooks:</b>	
1	Robert D. Finch, Introduction to Acoustics, Pearson Education India; First edition (25 April 2016)
2	Town and Country Planning Organisation, (2016). Model Building Bye Laws. Ministry of Urban Development
3	A.S.Panchdhan, (Second Edition 2000). Water Supply and Sanitary Installations. New Age International (P) Ltd.
4	Dr. B.C. Punmia, Ashok Kumar Jain & Arun Kumar Jain, (Tenth edition). Building Construction. Laxmi Publications (P) Ltd.
5	P.Purushothama Raj, Building Construction Materials and Techniques, Pearson Education India.
<b>Web resources:</b>	
1	<a href="http://bieap.gov.in/pdf/buildingmaterialsconstruction.pdf">http://bieap.gov.in/pdf/buildingmaterialsconstruction.pdf</a>
2	<a href="http://ocw.mit.edu/courses/architecture/4-461-building-technology-i-materials-and-construction-fall-2004/lecture-notes/">http://ocw.mit.edu/courses/architecture/4-461-building-technology-i-materials-and-construction-fall-2004/lecture-notes/</a>
3	<a href="https://www.wbdg.org/design-objectives/secure-safe/fire-protection">https://www.wbdg.org/design-objectives/secure-safe/fire-protection</a>
4	<a href="http://www.level.org.nz/water/wastewater/drainage-systems/">http://www.level.org.nz/water/wastewater/drainage-systems/</a>
5	<a href="http://www.ecs.umass.edu/ece/hollot/ECE497DS06/ESD_1.pdf">http://www.ecs.umass.edu/ece/hollot/ECE497DS06/ESD_1.pdf</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	3	3	3	2	2
CO2	3	2	3	2	3	3	3	3	3	2	2
CO3	3	2	3	2	3	3	3	3	3	2	2
CO4	3	3	3	2	3	3	3	3	3	2	2
CO5	3	3	3	2	3	3	3	3	3	1	1
<b>Total</b>	15	13	15	10	15	15	15	15	15	9	9
<b>Average</b>	3	2.6	3	2	3	3	3	3	3	1.8	1.8

3 – Strong, 2- Medium, 1- Low

**2 nd YEAR: THIRD SEMESTER**

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDA34P	<b>B) Graphic Design Practical</b>	24UIDA33P	0	0	2	0	2	2	25	75	100
<b>Learning Objectives</b>											
LO1	Creating artworks using pencil techniques and various drawing mediums.										
LO2	Applying logos and promotional posters using design principles.										
LO3	Identifying creative typography and calligraphy layouts.										
LO4	Creating web page designs using digital tools.										
LO5	Creating mood and swatch boards to enhance design concepts.										
Unit	Content										Hours
1	<b>Create Flyers:</b> Corporate, Promotional, Event-Based, Informational										4
2	<b>Creation of logos-</b> Creating a logo for a fictional brand. poster making- Designing a promotional poster for an event.										5
3	<b>Calligraphy and typography.</b> Styles of fonts - Formal, Informal, Creative lettering. Exploring creative typography layouts.										5
4	<b>Designing Web page -</b> Creating designs using digital apps.										5
5	Developing a Digital Portfolio and presentation										5

<b>CO</b>	<b>Course Outcomes</b>
CO1	Create expressive artworks using various pencil techniques and drawing mediums.
CO2	Apply effective logos and promotional posters.
CO3	Identify and create engaging calligraphy and typography compositions.
CO4	Create effective web page designs using digital tools.
CO5	Create mood and swatch boards to enhance design concepts.
<b>Textbooks:</b>	
1	Stephanie Travis (2015), "Sketching for Architecture, Interior Design", Laurence King Publishing, ISBN-13: 978-1780675640
2	Gilles Ronin (2019), "Drawing for Interior Designers", Herbert Press, ISBN-13:978-1789940053
3	Jorge Paricio Garcia (2019), "Hybrid Drawing Techniques for Interior Design", Routledge;1st edition, ISBN-13: 978-1138280663
4	Koos Eissen and Roselien Steur (2019), "Sketching: the basics", BIS; Illustrated edition, ISBN-13: 978-9063695347
5	Robert Philip Gordon (2016), "Integrated Drawing Techniques: Designing interiors with Hand Sketching", Fairchild Books, ISBN-13: 978-1628923353
<b>Web resources:</b>	
1	<a href="https://www.cowlingandwilcox.com/blog/2020/05/28/a-guide-to-pencil-sketchingtechniques/">https://www.cowlingandwilcox.com/blog/2020/05/28/a-guide-to-pencil-sketchingtechniques/</a>
2	Susie Hodge and Lan Sidaway (2019) t, "The Pencils, Papers and Erasers you need to start drawing", <a href="https://www.artsy.net/article/artsy-editorial-pencils-papers-erasers-start-drawing">https://www.artsy.net/article/artsy-editorial-pencils-papers-erasers-start-drawing</a>
3	Casey Schmidt, (2020), "5 Methods of Branding that could make all the difference", <a href="https://www.canto.com/blog/methods-of-branding/">https://www.canto.com/blog/methods-of-branding/</a>
4	Arek, (2022), "10 ways to Use Photography in Graphic Design", <a href="https://www.ebaqdesign.com/blog/graphic-design-photography">https://www.ebaqdesign.com/blog/graphic-design-photography</a>
5	Farkas (2022), "Graphic Design- Principles of Web Deisgn", <a href="https://faculty.washington.edu/farkas/dfpubs/Farkas-Farkas%20Graphic%20DesignCh11Principles%20of%20Web%20Design.pdf">https://faculty.washington.edu/farkas/dfpubs/Farkas-Farkas Graphic%20DesignCh11Principles%20of%20Web%20Design.pdf</a>

### Mapping with Programme Outcomes

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
<b>CO1</b>	3	2	3	2	3	3	3	3	3	3	3
<b>CO2</b>	3	3	3	2	3	3	3	3	3	3	3
<b>CO3</b>	3	3	3	2	3	3	3	3	3	3	3
<b>CO4</b>	2	3	3	2	3	3	3	3	3	3	3
<b>CO5</b>	3	3	3	3	3	3	3	3	3	3	3
<b>Total</b>	14	14	15	11	15	15	15	15	15	15	15
<b>Average</b>	2.8	2.8	3	2.2	3	3	3	3	3	3	3

**3 – Strong, 2- Medium, 1- Low**

**2 nd YEAR: THIRD SEMESTER**

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDS31	<b>Free Hand Sketching</b>	SEC -4	1	0	1	0	2	2	25	75	100
<b>Learning Objectives</b>											
LO1	Acquire basic knowledge of drawing and sketching exercises.										
LO2	Draw different types of design, develop design by using motifs.										
LO3	Creating designs using standards, construction lines, drawing types, and scale models.										
LO4	Applying object drawings with depth, texture, and light/shadow using various mediums.										
LO5	Creating landscape sketches with perspective, lighting, texture, and detail using various media.										
Unit	Content										Hours
1	<b>Drawing and Sketching</b> – Materials - Pencil and its types, Charcoal, Pastels, types of Paints. Usage of different points of pencils, handling of pencils. Drawing sheets and their sizes.										5
2	<b>Drawing and Sketching exercises</b> –Simple exercises in drafting, point and line, line types, line weights, straight and curvilinear lines, dimensioning, lettering, borders, title panels, tracing in pencil, ink.										5
3	<b>Standards and Conventions</b> , Construction Lines, Proportions Drawing types - Diagramming, Geometric Modeling. Role of scale models in design, Ceramic designs, stained glass design, and grill design.										5
4	<b>Object Drawings:</b> Natural geometric forms with emphasis on depth and dimension, detail & texture, sunlight & shadow using different mediums.										4
5	<b>Landscape Sketching</b> - still life pictures, natural and manmade landscaping, perspectives, lighting & composition, textures and details, using different media.										5

CO	Course Outcomes
CO1	Understand the concept of drawing and sketching and know the basic material and Mediums used for sketching.
CO2	Describe the Role and scope of scale models in design.
CO3	Sketch designs for ceramic, glass and grills.
CO4	Compare diagramming and geometric modeling techniques in design.
CO5	Develop Standards and conventions in drawing design.
<b>Textbooks:</b>	
1	Maria Dolors RosFrijoa, The Art and Craft of ceramics: Techniques, projects, Inspiration, Lark books,2006.
2	Maureen Mitton, Interior Design Visual Presentation: A Guide to graphics, models and presentation techniques, 3rd edition, wiley publishers, 2007
3	MogaliDelgadeYanes and Ernest Redondo Dominquez, Freehand drawing for Architects and Interior Designers, ww.Norton& co., 2005
4	Shah, M.G., Kale, C.M. and Patki, S.Y. Building Drawing: with an integrated approach to build environment, 7th ed. Tata McGraw Hill Pub., Delhi, 2000.
5	Susan Bruce, (2000). The Art of hand-built ceramics, Crowood Press.
<b>Web resources:</b>	
1	<a href="http://www.bbc.co.uk/bitesize/guides/z7g8239/revision/2">www.bbc.co.uk/bitesize/guides/z7g8239/revision/2</a> <a href="http://www.npg.org.uk/schools-hub/drawing-techniques-and-materials">www.npg.org.uk/schools-hub/drawing-techniques-and-materials</a>
2	<a href="http://www.thevirtualinstructor.com/blog/10-exercises-for-confident-lines-and-accurate-hatching">www.thevirtualinstructor.com/blog/10-exercises-for-confident-lines-and-accurate-hatching</a> <a href="http://www.academia.edu/9678233/Sketching_and_Drawing_Practice_the_Techniques">www.academia.edu/9678233/Sketching_and_Drawing_Practice_the_Techniques</a>
3	<a href="http://www.arts.ac.uk/partnerships/outreach/insights/how-to/techniques/how-to-techniques-scale-models">www.arts.ac.uk/partnerships/outreach/insights/how-to/techniques/how-to-techniques-scale-models</a>
4	<a href="http://www.michellegibbs.co.uk/the-elements-of-art-exploring-form">www.michellegibbs.co.uk/the-elements-of-art-exploring-form</a> <a href="http://www.drawdrawing.com/how-to-draw-with-depth-mastering-perspective-light-and-shadow-for-realistic-art">www.drawdrawing.com/how-to-draw-with-depth-mastering-perspective-light-and-shadow-for-realistic-art</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	3	3	3	3	2	3
CO2	3	2	3	3	3	3	3	3	3	2	2
CO3	3	2	3	2	3	3	3	3	3	2	3
CO4	3	2	3	3	3	3	3	3	3	2	2
CO5	3	2	3	3	3	3	3	3	3	2	3
<b>Total</b>	15	10	15	13	15	15	15	15	15	10	13
<b>Average</b>	3	2	3	2.6	3	3	3	3	3	2	2.6

3 – Strong, 2- Medium, 1- Low

## 2 nd YEAR: FOURTH SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC41	Floriculture and Landscape Design	CC – 7	3	1	2	0	5	6	25	75	100
<b>Learning Objectives</b>											
LO1	Understand the basic concept and classification of ornamental plants.										
LO2	Learn the principles and styles of flower arrangement										
LO3	Recognize the importance and care techniques of indoor plants.										
LO4	Understand the components and design of landscape planning.										
LO5	Explore styles and trends in garden design.										
Unit	Content										Hours
1	Floriculture - Meaning concept and importance, ornamental plants. Classifications – Based on life period - Annuals, Biennials and Perennials. Based on growth - shrubs, herbs, trees, climbers and creepers. Cacti and succulents, ferns, palms, hardy bulbs and tender bulbs.										18
2	Flower arrangement – definition, principles, Steps in arranging flower, selection of containers, equipment used, different styles of arrangement – traditional, modern and Oriental Styles – Ikebana, Moribana, Rikka, Seika arrangement. Applying art principles in arranging flowers.										18
3	Indoor plants – meaning, importance and classification of indoor plants, care and maintenance of indoor plants. Decoration aspects in landscape area- lighting, garden furniture and dividers. Factors affecting growth of indoor plants-lighting, watering, temperature, humidity and manure. Selection of indoor plants for various rooms.										18
4	Landscaping – Meaning and importance, The plan for landscape design – The foreground area, Private area and Service area. Types of Landscape – Soft landscape - Trees, Plants, Flowers, shrubs, Edges, Hedges, Foliage, Climbers and Hard Landscape – Fountain, Cascades, Pathway, Lighting, Seating, Gazebo, Arches and pergola.										18
5	Garden design – formal and informal, principles of landscape gardening. Modern trends in gardening – Terrace Garden, vertical gardens, Bog garden, sunken garden, Rock Garden, Bonsai culture, roof gardens, plants in hanging baskets.										18

CO	Course Outcomes
CO1	Classify ornamental plants based on lifespan and growth characteristics
CO2	Apply design principles to create flower arrangements using traditional and Oriental styles.
CO3	Apply care methods to maintain indoor plants under varying environmental conditions.
CO4	Analyze and differentiate soft and hard landscape features in a design plan.
CO5	Design gardens using formal/informal styles and modern trends.
<b>Textbooks:</b>	
1	Desh raj (2017) Floriculture at a glance, Kalyani publishers
2	G. S. Randhawa, A.N. Mukhopadyay, A. Mukhopadhyay, 1998 Floriculture in India, Jai deep publishers Delhi.
3	R.A.Preece,(1992), Designs on the Landscape, CBS publishers, New Delhi
4	Ross, R. (1999), colorful gardening – Bulbs, Ryland peters and small, London.
5	Carter, G. (1977), Gardening with Containers, Ryland Peter and Small, London.
<b>Reference Books:</b>	
1	G. S. Randhawa, A.N. Mukhopadyay, A. Mukhopadhyay, 1998 Floriculture in India, Jai deep publishers Delhi.
2	Anil K.Singh and Anjana Sisodia, (2017). Textbook of Floricultue & Landscaping. New India Publishinh Agency.
<b>Web resources:</b>	
1	<a href="http://www.megagriculture.gov.in/PUBLIC/floriculture_objectives.aspx">http://www.megagriculture.gov.in/PUBLIC/floriculture_objectives.aspx</a>
2	<a href="http://ncert.nic.in/vocational/pdf/kegr101.pdf">http://ncert.nic.in/vocational/pdf/kegr101.pdf</a>
3	<a href="http://agritech.tnau.ac.in/horticulture/horti_Landscaping_freshflower.html">http://agritech.tnau.ac.in/horticulture/horti_Landscaping_freshflower.html</a>
4	<a href="https://www.basicsofgardening.com/types">https://www.basicsofgardening.com/types</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	2	2	3	3	2	3
CO2	3	3	3	2	3	2	2	3	3	2	3
CO3	2	3	3	2	3	2	2	3	3	3	3
CO4	2	3	3	2	3	2	2	3	3	3	3
CO5	2	3	3	2	3	2	2	3	3	3	3
<b>Total</b>	12	15	15	10	15	10	10	15	15	13	15
<b>Average</b>	2	3	3	2	3	2	2	3	3	3	3

3 – Strong, 2- Medium, 1- Low

## 2 nd YEAR: FOURTH SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC42P	<b>Floriculture and Landscape Design Practical</b>	CC - 8	0	0	4	0	2	4	25	75	100
<b>Learning Objectives</b>											
LO1	Understand the key design principles used in floral arrangements.										
LO2	Identify various styles of free-form flower arrangements.										
LO3	Explore creative and alternative forms of flower and plant-based arrangements.										
LO4	Learn appropriate floral styles for various events and traditions.										
LO5	Understand how to plan and visualize landscapes for specific areas.										
Unit	Content										Hours
1	Arranging flowers using design Principles - balance, proportion and scale, focal point, emphasis, rhythm and harmony.										12
2	Arranging different types of free style flower arrangement - line, mass, line and mass, miniature, floating, hanging, circular, triangular, crescent, Hogarth curve										12
3	Other varieties of arrangements - dry arrangements, fruit arrangement, vegetable arrangements and chocolate bouquet.										12
4	Arranging flowers for various occasions – Informal occasions - wedding, reception, occasions. Formal occasions - Bouquet										12
5	Drawing landscape plans suitable for different areas, Visit to nursery gardens.										12
CO	Course Outcomes										
CO1	Apply principles like balance, proportion, and harmony in flower arrangements.										
CO2	Create different types of free-style flower arrangements for aesthetic appeal.										
CO3	Design unique arrangements using dry flowers, fruits, or vegetables.										
CO4	Arrange flowers for different occasions like weddings and receptions.										
CO5	Draw landscape design plans suited to different functional spaces.										
Textbooks:											
1	Ross, R. (1999), Colorful Gardening - Climbers, Ryland Peters and Small, London.										
2	Scott - James, A. (1995), Perfect Plant Perfect Garden, Corner Octopus Limited, London.										
3	Too good, A. (1995), Designing with House Plants, Grange Books Publication, London.										

4	Carter, G. (1977), Gardening with Containers, Ryland Peter and Small, London.
5	Desh raj (2017) Floriculture at a glance, Kalyani publishersq
<b>Reference Books:</b>	
1	Desh raj (2017) Floriculture at a glance, Kalyani publishers
2	G. S. Randhawa , A.N. Mukhopadyay, A. Mukhopadhyay , 1998 Floriculture in India, Jai deep publishers Delhi.
<b>Web resources:</b>	
1	<a href="https://vikaspedia.in/agriculture/farm-based-enterprises/floriculture">https://vikaspedia.in/agriculture/farm-based-enterprises/floriculture</a>
2	<a href="https://megagriculture.gov.in/PUBLIC/floriculture_objectives.aspx">https://megagriculture.gov.in/PUBLIC/floriculture_objectives.aspx</a>
3	<a href="https://en.wikipedia.org/wiki/Floriculture">https://en.wikipedia.org/wiki/Floriculture</a>
4	<a href="https://www.landscapingnetwork.com/landscape-design/what-is.html">https://www.landscapingnetwork.com/landscape-design/what-is.html</a>
5	<a href="https://www.thespruce.com/what-is-landscaping-2130991">https://www.thespruce.com/what-is-landscaping-2130991</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	3	2	2	3	3	3	3
<b>CO2</b>	3	3	3	2	3	2	2	3	3	3	3
<b>CO3</b>	3	3	3	2	3	2	2	3	3	3	3
<b>CO4</b>	3	3	3	2	3	2	2	3	3	3	3
<b>CO5</b>	3	3	3	2	3	2	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	10	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	2	2	3	3	3	3

**3 – Strong, 2- Medium, 1- Low**

## 2 nd YEAR: FOURTH SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDA41	A) Furniture Design	EC - 6 AL	3	1	0	0	4	4	25	75	100
<b>Learning Objectives</b>											
LO1	Understand the meaning, importance, history, and styles of furniture.										
LO2	Identify key factors that influence furniture selection and buying decisions.										
LO3	Understand construction processes and types of joints in wooden and upholstered furniture.										
LO4	Learn fabric types, selection factors, and methods for drafting interior furnishings.										
LO5	Understand furniture layout planning and care techniques for different materials.										
Unit	Content										Hours
1	<b>Introduction to furniture.</b> History of Furniture Design, Different styles of furniture - traditional, contemporary and modern design. Classification - Furniture for comfort, rest and relaxation, work and storage, built-in and portable, Factors influencing furniture decisions - family needs, preferences, availability, principles of design and financial limit. Factors to be considered in furniture selection and tips to buy furniture.										12
2	<b>Steps involved in construction of wooden furniture</b> - Shaping, carving, turning, fluting, reeding and joining of furniture - types of joints - Upholstered furniture - meaning, upholstering - types, method sand materials used.										12
3	<b>Selection of Fabrics in Interior Design:</b> Importance, Factors to be considered in the selection of fabric for furnishings, Types of fabric used in interiors. Steps involved in fabric preparation. Methods of transferring pattern markings on to the fabric. Methods of Drafting - Curtains, Draperies, Pillow Covers, Slip Covers and Cushion Covers.										12
4	<b>Selection and Arrangement of furniture</b> —Factors to be considered in the selection of furniture, buy man ship, arrangement of furniture for various rooms - Living room, dining room, bedroom, kitchen, study room, General office and Educational Institutions.										12
5	<b>Care and maintenance of furniture.</b> Care of different types of furniture - wood, metals, plastic and cane. Furniture polishes - types, natural and synthetic varnishes, other types of furniture finishes.										12

CO	Course Outcomes
CO1	Classify furniture based on function and style (traditional, contemporary, modern).
CO2	Evaluate furniture choices based on user needs, availability, design principles, and budget.
CO3	Apply knowledge of construction and upholstery techniques in identifying quality furniture.
CO4	Apply appropriate fabrics and drafting methods to create functional furnishings.
CO5	Create room-wise furniture layouts and apply maintenance techniques for wood, metal, plastic, and cane furniture.
<b>Textbooks:</b>	
1	Natalie Walton (2022). Style: the art of creating a beautiful home, Hardie Grant Publishers.
2	George Nakashima (2012). The Soul of a Tree: A Master Woodworkers Reflections, Kodansha USA
3	Charlotte Fiell (2017). 1000 Chairs, Taschen America Llc
4	Anne Hepfer (2022). MOOD: Interiors & Inspiration, Gibbs Smith Publishers
5	Frida Ramstedt (2020). The Interior Design Handbook: Furnish, Decorate, and Style Your Space, Clarkson Potter Publishers.
<b>Reference Books:</b>	
1	Interior Design (2012). Francis D.K. Ching, John Wiley & Sons, New York
2	Natalie Walton (2022). Style: the art of creating a beautiful home, Hardie Grant Publishers.
<b>Web resources:</b>	
1	<a href="https://www.pinterest.com/freehandarch/living-room-references/">https://www.pinterest.com/freehandarch/living-room-references/</a>
2	<a href="https://tympanus.net/codrops/2010/04/27/60-interior-design-and-furniture-websites-for-your-inspiration-2/">https://tympanus.net/codrops/2010/04/27/60-interior-design-and-furniture-websites-for-your-inspiration-2/</a>
3	<a href="https://www.luxdeco.com/blogs/styleguide/popular-interior-design-styles">https://www.luxdeco.com/blogs/styleguide/popular-interior-design-styles</a>
4	<a href="https://www.decoraid.com/blog/interior-design-history">https://www.decoraid.com/blog/interior-design-history</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	2	3	3	3	3
CO2	3	3	3	2	3	3	2	3	3	3	3
CO3	3	3	3	2	3	3	2	3	3	3	3
CO4	3	3	3	2	3	3	2	3	3	3	3
CO5	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

## 2 nd YEAR: FOURTH SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDA42	<b>B) Furnishing in Interiors</b>	EC - 6 AL	3	1	0	0	4	4	25	75	100
<b>Learning Objectives</b>											
LO1	Understand soft furnishings and basic hand stitches.										
LO2	Know types and uses of household linen.										
LO3	Learn styles of window treatments.										
LO4	Understand soft furnishings, carpets, and rugs.										
LO5	Learn estimation and budgeting for furnishings.										
Unit	Content										Hours
1	Soft furnishings - Meaning, Importance - relationship of furnishings with space, selection and use of furnishings - functional and decorative – Throw Pillows – with tassels, beads, sequins, or frills. Wall Hangings – textile art, tapestries, macramé. Curtain Rod Finials – decorative ends of curtain rods.										12
2	Furnishings in interiors - Types of living room linen - slip covers, cushion covers, Bed linen bed spread, bed sheet, pillow covers, comforter, duvet cover, quilt cover, bed throws, bed skirts. Table linen - table cloth, place mat, table napkins and apron, kitchen napkins and towels. Selection, use and care of household linen.										12
3	Window Treatments – Hard window treatment – Blinds, Shutters, Screens, Panels, Shades and Curtains. Soft window treatment - Curtains and Draperies. Styles of hanging Curtains – Tie- Backs, Café, Ruffles, Tier. Decorative curtain heads – Valence, Cornice, Swags and Cascade.										12
4	Soft furnishings – Importance, types, uses, care and maintenance of soft furnishings. Carpets and Rugs – Types based on construction – Woven, Knotted and Tufted.										12
5	Requirements and cost of Furnishings, Listing the basic requirements of furnishings for different rooms, estimating the materials for construction of curtains and draperies, formulating a budget for furnishing a home.										12
CO	Course Outcomes										
CO1	Apply basic hand stitches in furnishings.										
CO2	Classify and care for household linen.										
CO3	Differentiate window treatment styles.										

CO4	Analyze soft furnishings and floor coverings.
CO5	Apply budgeting for furnishing a home.
<b>Textbooks:</b>	
1	Anita .T, (2011), —Textiles for Apparel and Home Furnishingl, New Delhi: Sonali Publications, India.
2	Kharuna.S, (2012), —Fabrics for Fashion and Textile Designl, New Delhi: Sonali Publications, India.
3	Chaudhari.S.N. N, (2006), —Interior Designl, Jaipur: Aavishkar Publisher, India.
4	Gandotra V, Shukul M and JaiswalN, (2011). Introduction to Interior Design and Decoration, New Delhi: Dominant publishers, India.
5	Premavathy. S, (2005) Interior Design and Decoration, New Delhi: CBS Publishers and Distributors, India.
<b>Reference Books:</b>	
1	Stepat.D. Van. Van, (1991), —Introduction to Home Furnishingl, New York: The MacMillan Company.
2	Premavathy. S, Sonia.B and Preeti. M, (2005), —An Introduction to Family Resource Managementl, New Delhi: CBS Publishers & Distributors
<b>Web resources:</b>	
1	<a href="http://chestofbooks.com/home-improvement/furniture/Period/Jacobean-Period-1603-1688-Part-2.html">http://chestofbooks.com/home-improvement/furniture/Period/Jacobean-Period-1603-1688-Part-2.html</a>
2	<a href="http://chestofbooks.com/home-improvement/furniture/Period/Chapter-IV-Queen-Anne-And-Early-Georgian-1702-1750.html">http://chestofbooks.com/home-improvement/furniture/Period/Chapter-IV-Queen-Anne-And-Early-Georgian-1702-1750.html</a>
3	<a href="http://www.museumfurniture.com/georgeII/">http://www.museumfurniture.com/georgeII/</a>
4	<a href="http://www.museumfurniture.com/georgeIII/">http://www.museumfurniture.com/georgeIII/</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	2	2	3	3	3	3
CO2	3	3	3	2	3	2	2	3	3	3	3
CO3	3	3	3	2	3	2	2	3	3	3	3
CO4	3	3	3	2	3	2	2	3	3	3	3
CO5	3	3	3	2	3	2	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	10	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	2	2	3	3	3	3

3 – Strong, 2- Medium, 1- Low

## 2 nd YEAR: FOURTH SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDA43P	A) Furniture Design Practical	EC - 7 AL	0	0	2	0	2	2	25	75	100
<b>Learning Objectives</b>											
LO1	Understand furniture design for different activities.										
LO2	Evaluate furniture based on materials and usage.										
LO3	Collect and study furniture types and materials.										
LO4	Learn basic stitches, seams, and pleats.										
LO5	Learn to design residential and commercial furniture.										
Unit	Content										Hours
1	Designing & detailing of Residential Furniture – Seating, Sleeping, Storage & Children’s furniture. Commercial furniture – Showcases, Counters, Display units, Restaurant furniture, Bar furniture Office furniture – Adjustable desks & storage, Mobile & Resilient chairs, Portable chairs, Movable Tables, Lounge seating.										6
2	Evaluate the furniture in terms of materials, construction details, design, uses, care and maintenance, age group, hours of use, durability and budget, Market survey of furniture, making cut outs of furniture										6
3	Types of stitches& seams, Constructing samples of different pleats-knife, box, cartridge, loop, eyelets. Surface enrichment for cushion cover, pillow cover, napkin and table cloth with - mirror work, appliqué, fabric painting and embroidery										6
4	Preparation of layout and detail drawings. Portfolio presentation including concept, sketches, technical drawings, and model										6
5	Designing of different types of furniture in different interior model making of various room										6
<b>CO</b>	<b>Course Outcomes</b>										
CO1	Design furniture layouts for living and bedroom spaces.										
CO2	Evaluate furniture for quality, use, and cost.										
CO3	Collect and categorize furniture through market survey.										

CO4	Construct samples of stitches and pleats.
CO5	Design functional furniture for various spaces.
<b>Textbooks:</b>	
1	Anita. T , (2011), —Textiles for Apparel and Home Furnishing, New Delhi: Sonali Publications, India
2	Kharuna.S, (2012), —Fabrics for Fashion and Textile Design, New Delhi: Sonali Publications, India.
3	Chaudhari.S N, (2006), —Interior Design, Jaipur: Aavishkar Publisher, India.
<b>Reference Books:</b>	
1	Stepat.D. Van, (1991), —Introduction to Home Furnishing, New York: The MacMillan Company.
2	Premavathy. S, Sonia.B and Preeti. M, (2005), —An Introduction to Family Resource Management, New Delhi: CBS Publishers & Distributors, India.
<b>Web resources:</b>	
1	<a href="http://www.museumfurniture.com/georgeI/">metalhttp://www.museumfurniture.com/georgeI/</a>
2	<a href="http://www.lectra.com/en/furniture/upholstered-design-product-development">http://www.lectra.com/en/furniture/upholstered-design-product-development</a>
3	<a href="http://chestofbooks.com/home-improvement/furniture/Period/Jacobean-Period-1603-1688-Part-2.html">http://chestofbooks.com/home-improvement/furniture/Period/Jacobean-Period-1603-1688-Part-2.html</a>
4	<a href="http://www.victorianweb.org/art/design/clutter1.html">http://www.victorianweb.org/art/design/clutter1.html</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	2	2	3	3	3	3
CO2	3	3	3	2	3	2	2	3	3	3	3
CO3	3	3	3	2	3	2	2	3	3	3	3
CO4	3	3	3	2	3	2	2	3	3	3	3
CO5	3	3	3	2	3	2	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	10	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	2	2	3	3	3	3

3 – Strong, 2- Medium, 1- Low

## 2 nd YEAR: FOURTH SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDA44P	<b>B) Furnishing in Interiors Practical</b>	EC - 7 AL	0	0	2	0	2	2	25	75	100
<b>Learning Objectives</b>											
LO1	Learn types of stitches, seams, and pleats.										
LO2	Understand curtain pleats and fabric weaves.										
LO3	Learn surface enrichment techniques.										
LO4	Understand selection and use of furnishing materials.										
LO5	Learn types of window treatments.										
Unit	Content										Hours
1	<b>Types of stitches</b> , seams, Constructing samples of different pleats-knife, box, cartridge, loop, eyelets.										6
2	<b>Construct curtains using different types of pleats</b> , collecting fabric samples for different basic and fancy weaves.										6
3	<b>Surface enrichment</b> for cushion cover, pillow cover, napkin and table cloth with - mirror work, appliqué, fabric painting and embroidery.										6
4	<b>Selection and Use of Furnishings</b> -Create a sample board with different furnishing materials (functional & decorative).										6
5	<b>Window Treatments</b> Create miniature models/samples of: Hard Window Treatments- Blinds, Shades, Panels Soft Window Treatment-Curtains, Draperies.										6
CO	Course Outcomes										
CO1	Construct samples of various pleats and seams.										
CO2	Create curtains with pleats and collect fabric weave samples.										
CO3	Apply mirror work, appliqué, painting, and embroidery on soft furnishings.										
CO4	Create a furnishing sample board with various materials.										
CO5	Make miniature models of hard and soft window treatments.										
Textbooks:											
1	Anita .T, (2011), —Textiles for Apparel and Home Furnishing, New Delhi: Sonali Publications, India										

2	Kharuna.S, (2012), —Fabrics for Fashion and Textile Designl, New Delhi:Sonali Publications, India.
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3	Chaudhari.S. N, (2006), —Interior Designl, Jaipur: Aavishkar Publisher, India.
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**Reference Books:**

1	Stepat.D. Van, (1991), —Introduction to Home Furnishingl, New York: The MacMillan Company.
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2	Premavathy. S, Sonia.B and Preeti. M, (2005), —An Introduction to Family Resource Managementl, New Delhi: CBS Publishers & Distributors, India.
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**Web resources:**

1	<a href="http://shutterfly.com/ideas/how-to-arrange-furniture/">shutterfly.com/ideas/how-to-arrange-furniture/</a>
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2	<a href="http://www.lectra.com/en/furniture/upholstered-design-product-development">http://www.lectra.com/en/furniture/upholstered-design-product-development</a>
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3	<a href="http://www.maysvalues.co.uk/casestudy/09.html">http://www.maysvalues.co.uk/casestudy/09.html</a>
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4	<a href="http://www.victorianweb.org/art/design/clutter1.html">http://www.victorianweb.org/art/design/clutter1.html</a>
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**Mapping with Programme Outcomes**

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO2</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO3</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO4</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO5</b>	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

**3 – Strong, 2- Medium, 1- Low**

## 2 nd YEAR: FOURTH SEMESTER

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDS41	Accessories in Interior	SEC – 5	1	0	1	0	2	2	25	75	100
<b>Learning Objectives</b>											
LO1	Understand types and importance of accessories.										
LO2	Learn selection and placement of accessories.										
LO3	Identify kinds of interior accessories.										
LO4	Understand types of arts and crafts in interiors.										
LO5	Learn materials and techniques for making crafts.										
Unit	Content										Hours
1	<b>Accessories</b> - Definition and importance in interiors, Classification – functional, decorative and both accessories. Factors influencing the selection of accessories, Placement, location and background for accessories.										6
2	<b>Kinds of Accessories</b> - Decorative - mural, photographs, pictures, artifacts, drawings, antiques and Functional - books, Mirror, Clock, Accent furniture, indoor plants and flower arrangement as accessories. <b>Soft Accessories</b> - Cushions, throws, rugs, curtains, <b>Hard Accessories</b> - Mirrors, clocks, vases, sculptures, Wall Accessories- Art, paintings, wall decals, tapestries, <b>Lighting Accessories</b> -Lamps, chandeliers, lanterns, <b>Functional Accessories</b> - Storage baskets, organizers, planters.										6
3	<b>Art and Crafts</b> – definition, kinds of art and crafts-pot painting, idols, sculptures, glass painting, wall hanging, pillows, cushions,										6
4	<b>Kinds of Art</b> - Pebble art, shell art, folk arts, Metal Art, Stencil Art and its application in Interiors- Materials required and techniques.										6
5	<b>Materials required and techniques</b> - Origami, Papier Mache, Macramé, Collage, Decoupage, and Doll making from waste materials.										6
CO	Course Outcomes										
CO1	Classify interior accessories as functional, decorative, or both.										
CO2	Apply proper selection and placement techniques for interior accessories.										
CO3	Use suitable accessories to enhance different interior spaces.										
CO4	Create decorative interior art using craft techniques like stencil, pebble, or folk art.										

CO5	Develop simple handmade crafts using materials like origami, macramé, or waste items.
<b>Textbooks:</b>	
1	Premavathy Seetharaman and Parveen Pannu, (2009). Interior Design and Decoration. CBS Publishers and Distributors Pvt Ltd. New Delhi.
2	Andal. A and Parimalam. P, (2008). A Text Book of Interior Decoration. Satish Serial Publishing House.
3	Seetharaman, Premavathy, and Parveen Pannu. Interior Design and Decoration. CBS Publishers & Distributors Pvt Ltd, 2009.
4	Rao, M. P. (2016). Interior Design Principles and Practice. Standard Publishers & Distributors.
5	Box, R. (2004). Basic Drawing Techniques. Search Press Limited.
<b>Reference Books:</b>	
1	Walton, S. (2002). Colour Your Home. Parragon Books.
2	Seetharaman, P., & Pannu, P. (2005). Interior Design and Decoration. CBS Publishers & Distributors Pvt Ltd.
<b>Web resources:</b>	
1	<a href="https://wbdg.org/ccb/AF/AFDG/interior.pdf">https://wbdg.org/ccb/AF/AFDG/interior.pdf</a>
2	<a href="http://download.nos.org/sec225new/Lesson-4.pdf">http://download.nos.org/sec225new/Lesson-4.pdf</a>
3	<a href="http://www.archive.india.gov.in/knowindia/culture_heritage.php?id=99">http://www.archive.india.gov.in/knowindia/culture_heritage.php?id=99</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO2</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO3</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO4</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO5</b>	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

3 – Strong, 2- Medium, 1- Low

### THIRD YEAR SEMESTER- V

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC51	Google Sketchup	Core -9	4	1	0	0	4	5	25	75	100
<b>Learning Objectives</b>											
LO1	Understand the fundamentals and applications of 3D modeling in design fields.										
LO2	Identify and compare different 3D software and plugins used for modeling and rendering.										
LO3	Demonstrate knowledge of Google SketchUp interface and basic tools for model creation.										
LO4	Develop skills in navigation and creation of building components and furniture models.										
LO5	Apply materials, lighting, camera settings, and rendering techniques for professional presentation.										
Unit	Content										Hours
1	<b>Fundamentals of 3D Modeling:</b> Definition and concept of 3D modeling, Difference between 2D and 3D visualization; Applications in: Interior Design, Architecture, Product & Fashion Design; Need and purpose of 3D models in design fields; Advantages of 3D modeling in visualization and presentation										15
2	<b>Overview of 3D Software &amp; Plugins:</b> Introduction to 3D modeling software: Google SketchUp, Autodesk 3ds Max, Autodesk Revit; Introduction to rendering plugin: V-Ray, Comparison of features (SketchUp, 3Ds Max, Revit), Role of plugins in enhancing rendering and realism										15
3	<b>Google SketchUp Interface &amp; Basic Tools:</b> User Interface of SketchUp: Menu Bar, Toolbars, Drawing Area, Default Tray (Materials, Components, Layers, Styles), Axes (Red, Green, Blue); Basic tools: Rectangle, Circle, Pencil (Line), Select, Push-Pull, Move, Rotate, Offset, Copy & Array; Groups and Components – concept and importance; Paint Bucket tool and material basic										15
4	<b>Navigation &amp; Model Creation:</b> Navigation tools: Zoom, Orbit, Pan; Model space and viewing concepts; Creating building components: Walls, Doors Window openings; Basic furniture modeling; Organizing models using Groups and Components										15
5	<b>Materials, Lighting &amp; Rendering:</b> Materials and textures: Creating and applying materials; Lighting concepts: Natural and Artificial lighting; Camera tools and scene composition; Rendering basics using V-Ray; Introduction to Autodesk 3ds Max; Importing models from SketchUp to 3Ds Max; Rendering workflow: materials, lighting, camera setup										15

CO	Course Outcomes
CO1	Explain the concept, purpose, and advantages of 3D modeling in various design disciplines.
CO2	Compare the features of Google SketchUp, Autodesk 3ds Max, Autodesk Revit, and V-Ray.
CO3	Operate SketchUp tools and interface to create accurate 3D models.
CO4	Construct architectural elements such as walls, doors, windows, and furniture using modeling tools.
CO5	Produce realistic rendered views using materials, lighting, camera positioning, and rendering workflow.
<b>Textbooks:</b>	
1	Chopra, Aidan. <i>SketchUp for Dummies</i> . Wiley Publishing, Indianapolis, 2020.
2	Tal, Daniel. <i>SketchUp for Site Design: A Guide to Modeling Site Plans, Terrain, and Architecture</i> . Wiley, Hoboken, 2018.
3	Tucker, Lydia Cline. <i>Google SketchUp for Interior Designers</i> . SDC Publications, Mission, KS, 2012.
4	Brightman, Bonnie Roskes, and Bill Fane. <i>Google SketchUp Cookbook</i> . O'Reilly Media, Sebastopol, CA, 2010.
<b>Reference Books:</b>	
1	Miller, Matt Donley. <i>SketchUp to LayOut: The Essential Guide to Creating Construction Documents with SketchUp Pro and LayOut</i> . Createspace Independent Publishing, 2016.
2	Shih, Randy H. <i>SketchUp for Interior Design</i> . SDC Publications, Mission, KS, 2017.
3	Roskes, Bonnie. <i>The SketchUp Book for Professionals</i> . 3D Warehouse Press, 2018.
<b>Web resources:</b>	
1	<a href="http://www.sketchup.com">www.sketchup.com</a>
2	<a href="https://www.scribd.com/document/841356992/Basic-Principles-of-3D-Modeling">https://www.scribd.com/document/841356992/Basic-Principles-of-3D-Modeling</a>
3	<a href="https://www.coursera.org/articles/what-is-3d-modeling">https://www.coursera.org/articles/what-is-3d-modeling</a>
4	<a href="https://www.instructables.com/Intro-to-3D-Modeling/">https://www.instructables.com/Intro-to-3D-Modeling/</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	1	2	3	3	3	3	2	1	3	3	3
CO2	2	2	3	3	3	3	2	1	3	3	3
CO3	2	2	3	3	3	3	2	1	3	3	3
CO4	2	2	3	3	3	3	2	1	3	3	3
CO5	2	2	3	3	3	3	2	1	3	3	3
<b>Total</b>	9	10	15	15	15	15	10	5	15	15	15
<b>Average</b>	1.8	2	3	3	3	3	2	1	3	3	3

3 – Strong, 2- Medium, 1- Low

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC52P	Google Sketchup Practical	Core - 10	0	0	4	0	4	4	25	75	100
<b>Learning Objectives</b>											
LO1	Identify different software and plugins used for 3D modeling										
LO2	Recognize the components of the SketchUp screen and use basic drawing and editing tools effectively.										
LO3	Apply navigation tools and construct building components such as walls, doors, windows, staircases, and furniture models.										
LO4	Understand the use of materials, textures, styles, shadows, lighting, and camera settings for presentation.										
LO5	Develop rendered 3D views for design visualization and client presentation.										
Unit	Content										Hours
1	Identifying interface components of different 3D software ,Creating simple geometric forms in SketchUp, Viewing and navigating sample 3D models, Preparing a basic workspace setup										60
2	<b>Basic Tools and Drawing Techniques</b> <ul style="list-style-type: none"> <li>• Drawing basic 2D shapes</li> <li>• Converting 2D shapes into 3D forms using Push-Pull</li> <li>• Creating simple furniture models</li> <li>• Exercise on Move, Rotate, and Copy commands</li> <li>• Creating array patterns of objects</li> </ul>										
3	Navigation and Architectural Modeling <ul style="list-style-type: none"> <li>• Navigation practice using Orbit, Pan, and Zoom</li> <li>• Creating wall layouts from 2D plans</li> <li>• Modeling door and window openings</li> <li>• Staircase modeling exercise</li> <li>• Creating furniture components:-Table, Chair, Sofa, Cabinet</li> </ul>										
4	<b>Materials and Textures</b> <ul style="list-style-type: none"> <li>• Applying textures to walls and flooring</li> <li>• Creating material libraries</li> <li>• Editing transparency and reflection properties</li> <li>• Applying realistic finishes to furniture</li> <li>• Exploring different SketchUp styles</li> </ul>										
5	<b>Rendering and Presentation</b> <ul style="list-style-type: none"> <li>• Importing and organizing SketchUp models</li> <li>• Setting camera angles and perspectives</li> <li>• Applying lighting effects in interiors</li> <li>• Rendering exterior and interior views</li> </ul>										

CO	Course Outcomes
CO1	Demonstrate knowledge of different 3D software applications and plugins used in modeling and rendering.
CO2	Operate Google SketchUp interface and utilize drawing, editing, and modification tools for model creation.
CO3	Create architectural and interior components such as walls, doors, windows, staircases, and furniture using SketchUp tools.
CO4	Apply materials, textures, styles, shadows, and lighting techniques to enhance model appearance.
CO5	Produce realistic rendered views with proper camera positioning for professional design presentations.
<b>Textbooks:</b>	
1	Aidan Chopra, SketchUp 2014 For Dummies, John Wiley & Sons
2	Alexander C. Schreyer, Architectural Design with SketchUp: 3D Modeling, Extensions, BIM, Rendering, Making, and Scripting 2nd Edition, Wiley Publishers.
3	Daniel Tal, Rendering in SketchUp: From Modeling to Presentation for Architecture, Landscape Architecture, and Interior Design, Wiley Publishers.
<b>Reference Books:</b>	
1	Kelly L. Murdock, Autodesk 3ds Max 2020 Complete Reference Guide, SDC Publications
2	Markus Kuhlo, Architectural Rendering with 3ds Max and V-Ray: Photorealistic Visualization 1st Edition, Routledge Publishers.
<b>Web resources:</b>	
1	<a href="https://www.sketchup.com">https://www.sketchup.com</a>
2	<a href="https://vdoc.pub/download/building-blocks-of-sketchup-69si3ltjgke0">https://vdoc.pub/download/building-blocks-of-sketchup-69si3ltjgke0</a>
3	<a href="https://www.bgsu.edu/content/dam/BGSU/libraries/documents/collab-lab/Sketchup%20Tutorial.pdf">https://www.bgsu.edu/content/dam/BGSU/libraries/documents/collab-lab/Sketchup Tutorial.pdf</a>
4	<a href="https://www.academia.edu/31650716/Architectural_Rendering_with_3ds_Max_and_V-Ray">https://www.academia.edu/31650716/Architectural_Rendering_with_3ds_Max_and_V-Ray</a>
5	<a href="http://images.autodesk.com/adsk/files/3dsmax_2010_lighting_rendering.pdf">http://images.autodesk.com/adsk/files/3dsmax_2010_lighting_rendering.pdf</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	1	2	3	1	2	3	3	3
CO2	3	3	3	1	2	3	1	2	3	3	3
CO3	3	3	3	1	2	3	1	2	3	3	3
CO4	3	3	3	1	2	3	1	2	3	3	3
CO5	3	3	3	1	2	3	1	2	3	3	3
<b>Total</b>	15	15	15	5	10	15	5	10	15	15	15
<b>Average</b>	3	3	3	1	2	3	1	2	3	3	3

3 – Strong, 2- Medium, 1- Low

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC53	Commercial Space Design	Core -11	2	1	1	0	4	4	25	75	100
<b>Learning Objectives</b>											
LO1	To understand the principles and applications of commercial art in merchandising and retail environments.										
LO2	To develop knowledge of typography and its role in commercial communication and branding.										
LO3	To design logos, labels, signboards, posters, banners, and product tags suitable for retail and commercial spaces.										
LO4	To acquire skills in preparing showroom interior displays using mannequins, racks, shelves, props, and display accessories.										
LO5	To understand the importance of seasonal and festival-based visual merchandising displays in attracting customers.										
Unit	Content										Hours
1	<p><b>Commercial Art and its importance in Merchandising.</b>  Meaning and definition of commercial art, Development of commercial art. Principles and Elements of Commercial Art, New Trends in Commercial Art-AI-based design tools, <b>Merchandising and Art Display</b> -Impact of digital technology in merchandising, Steps in merchandising process, Art display techniques in retail spaces Window display and showroom presentation ,Social media and online branding. Steps in Merchandising and art display. Role of commercial art in Merchandising.</p>										12
2	<p><b>Commercial display and Techniques</b> Meaning and objectives of commercial display, Importance of display in retail and commercial spaces, Interior Display - general Arrangement, principles and factors, types and merchandise display, types of lighting arrangements in commercial buildings.  <b>Modern Trends in Commercial Display</b>-Smart lighting systems ,Sustainable display materials ,Digital signage, Interactive display screens ,Augmented reality displays ,Eco-friendly merchandising ,Minimalistic display concepts</p>										12
3	<p><b>Window Display</b> – Meaning, Definition, Functions of display, basic principles, factors of window display, window arrangement -window art, psychology of window display, Techniques and importance. Types of window display - Closed, Open, Island, Elevated, Shadow box, Corner and Semi-Closed displays. Modern Trends in Window Display-Digital and interactive displays, Smart and sensor-based displays.</p>										12
4	<p><b>Introduction to commercial space.</b>  Definition of commercial space, types of commercial space -Office Space, Retail space, Hospitality space, Health care, Education, Entertainment and Relaxation, Religious Banks and Financial Institutions, functions and need, Design Process -Programming, Conceptual planning, Design Development, Construction documents, Construction administration, Evaluation, Factors to be considered in Commercial space design, Recent trends in commercial space design.</p>										12

5	<b>Retail Space</b> Introduction to Retail space, Types of Retail outlets, Types of Retail Layout Straight plans, Angular plans, Geometrical plans and Diagonal plans. Principles of Retail store design - Eye catching, Slowing the customer journey in the store, Customer pathway, Steering the customer to the zone, Creativity and Innovation, Aerating the store design, Optimize space. Elements of Store Design - Exterior, Interior, Atmosphere, Fixture, Merchandise, People.	12
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CO	Course Outcomes
CO1	Explain the concepts and applications of commercial art in merchandising and retail display design.
CO2	Apply typography principles in the creation of logos, labels, posters, banners, signboards, and retail promotional materials.
CO3	Design effective showroom interior displays using mannequins, racks, shelves, props, and display fixtures for visual merchandising.
CO4	Develop seasonal and festival-based display concepts to enhance customer attraction and retail presentation
CO5	Construct models of commercial interiors incorporating suitable display systems and merchandising elements.

**Textbooks:**

1	Gupta, C.B., Dr. Nair, Rajan 2003, Marketing Management, Sultan Chand & Som, New Delhi.
2	Joseph, D.C., Julies, P. and Martiv, Z. 1992, Time Saver Standards for Interior Design and Space Planning, New York.

**Reference Books:**

1	Nair, R. 2002, Marketing, Sultan Chand and Sons Publisher, New Delhi.
2	Pattanchetti, C.C. Reddy, P.N. 1995, Marketing, Rainbow publishers, Coimbatore.

**Web resources:**

1	<a href="https://www.smartsheet.com/retail-merchandising">https://www.smartsheet.com/retail-merchandising</a>
2	<a href="https://sinalite.com/printersuccess/visual-merchandising-7-steps-to-revitalize-your-print-shop/">https://sinalite.com/printersuccess/visual-merchandising-7-steps-to-revitalize-your-print-shop/</a>
3	<a href="https://www.digitalvidya.com/blog/display-advertising/">https://www.digitalvidya.com/blog/display-advertising/</a>
4	<a href="https://www.warehouse-lighting.com/blogs/lighting-application-suggestions/different-types-of-office-lighting">https://www.warehouse-lighting.com/blogs/lighting-application-suggestions/different types-of-office-lighting.</a>

### Mapping with Programme Outcomes

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
<b>CO1</b>	3	3	3	3	1	3	3	3	2	3	3
<b>CO2</b>	3	3	3	3	1	3	3	3	2	3	3
<b>CO3</b>	3	3	3	3	1	3	3	3	2	3	3
<b>CO4</b>	3	3	3	3	1	3	3	3	2	3	3
<b>CO5</b>	3	3	3	3	1	3	3	3	2	3	3
<b>Total</b>	15	15	15	15	5	15	15	15	10	15	15
<b>Average</b>	3	3	3	3	1	3	3	3	2	3	3

**3 – Strong, 2- Medium, 1- Low**

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC54P	Commercial Design Studio Practical	Core -12	0	0	3	0	2	3	25	75	100
<b>Learning Objectives</b>											
LO1	To provide knowledge of commercial art applications in merchandising and retail environments.										
LO2	To develop understanding of typography and graphic elements used in commercial art and visual communication.										
LO3	To train students in designing logos, labels, signboards, posters, banners, and product tags for retail stores										
LO4	To impart practical skills in showroom interior display using mannequins, racks, shelves, props, and display fixtures.										
LO5	To familiarize students with seasonal and festival-based interior display concepts for visual merchandising.										
Unit	Content										Hours
1	<b>Commercial Art Applications in Merchandising:</b> Typography used in commercial art. Designing logos, labels, signboards, posters, banners, and product tags for retail stores.										45
2	<b>Interior Display Techniques</b> Preparation of showroom interior display using mannequins, racks, shelves, and props										
3	Preparation of seasonal and festival-based interior display										
4	Model making of commercial interiors with suitable display fixtures.										
5	<b>Window Display and Visual Presentation</b> Designing theme-based window displays for fashion, lifestyle, and general merchandise stores.										
6	Preparation of open, closed, island, elevated, shadowboxes, corner, and semi-closed window models.										
7	Drafting floor plans for office, retail, hospitality, healthcare, education, and banking spaces.										
8	Preparation of zoning plans based on circulation, function, and customer movement.										
9	Preparation of furniture layout and fixture placement plans.										
10	Retail Store Design and Layout Planning Drafting straight, angular, geometrical, and diagonal retail layout plans.										

<b>CO</b>	<b>Course Outcomes</b>
CO1	Design logos, labels, signboards, posters, banners, and product tags for retail stores.
CO2	Create showroom interior displays using mannequins, fixtures, props, and seasonal themes.
CO3	Design theme-based window displays and prepare different window display models.
CO4	Prepare floor plans, zoning plans, concept boards, and furniture layouts for commercial interiors.
CO5	Draft straight, angular, geometrical, and diagonal retail store layout plans.
<b>Textbooks:</b>	
1	Store Design and Visual Merchandising – <b>Claus Ebster &amp; Marion Garaus</b> . Business Expert Press, 2015
2	Visual Merchandising and Display – <b>Martin M. Pegler</b> . 6th Edition, Fairchild Publications, 2012
3	Designing Commercial Interiors – <b>Christine M. Piotrowski</b> . 2nd Edition, John Wiley & Sons, 2011
<b>Reference Books:</b>	
1	Visual Merchandising: Window and In-Store Displays for Retail – <b>Tony Morgan</b> . 2nd Edition, Laurence King Publishing, 2016
2	The Fundamentals of Interior Design – <b>Simon Dodsworth</b> . 2nd Edition, Bloomsbury Publishing, 2015
<b>Web resources:</b>	
1	<a href="https://www.retaildesigninstitute.org">https://www.retaildesigninstitute.org</a>
2	<a href="https://www.shopassociation.org">https://www.shopassociation.org</a>
3	<a href="https://www.asid.org">https://www.asid.org</a>

### Mapping with Programme Outcomes

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
<b>CO1</b>	3	2	3	3	3	2	3	2	3	3	3
<b>CO2</b>	3	2	3	3	3	2	3	2	3	3	3
<b>CO3</b>	3	2	3	3	3	2	3	2	3	3	3
<b>CO4</b>	3	2	2	3	3	2	3	2	3	3	3
<b>CO5</b>	3	2	3	3	3	2	3	2	3	3	3
<b>Total</b>	15	10	15	15	15	10	15	10	15	15	15
<b>Average</b>	3	2	3	3	3	2	3	2	3	3	3

**3 – Strong, 2- Medium, 1- Low**

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDE51	A) Kitchen Design	Elective - 8	4	1	0	0	4	5	25	75	100
<b>Learning Objectives</b>											
LO1	Understand the principles of planning and standards in kitchen design.										
LO2	Identify various types of kitchens suitable for different interiors.										
LO3	Understand the materials, finishes, and current trends in modular kitchens.										
LO4	Analyze household equipment requirements based on customer needs.										
LO5	Develop kitchen designs incorporating equipment, storage spaces, and functional requirements.										
Unit	Content										Hours
1	<b>Kitchen planning</b> Functions performed in a kitchen Principles of planning kitchen – orientation and location, ventilation, storage needs, work triangle, color, light and safety. Importance of Lighting in kitchen, Safety in Kitchen.										15
2	<b>Types of kitchen</b> – One- Wall Kitchen, U – Shaped Kitchen, L – Shaped Kitchen, Galley Kitchen, Island Kitchen and Peninsula Kitchen. <b>Materials and finishes</b> – Various materials and finishes used in kitchen – floor, wall, sink, ceiling, countertops, storage and their characteristics.										15
3	<b>Modular Kitchen:</b> Characteristics, requirements, Materials used – Wood, Steel, Sintex and Aluminium. Pull Outs – Double basket, Cutlery trays, Corner unit, Sleek oil pull out, Ladder unit, Basket bin holder. <b>Kitchen storage</b> – principles of kitchen storage, storage areas in kitchen – Free Standing and Built-In Storage, dimensions, hand operated tools and their location. Care and maintenance of storage.										15
4	<b>Household Equipment-</b> Concept, importance, uses, Influence of household equipment in modern family life, Selection criteria of household equipment’s-Specification, time, money and energy saving, quality, durability, features, colour and design, safety, cost, Ease of Service, size, brand, space storage, Ease of cleaning, Ease of use, warranty and guarantee. Conservation of Fuel, Electricity and Water.										15
5	<b>Major equipment-</b> Uses, Merits and Demerits, Care and Maintenance, Ranges, Stoves, Refrigerator, Washing machines, Dish washers, Food Waste Disposers and Vacuum Cleaner. Significance of Labour-saving equipment. <b>Minor equipment-</b> uses, care and maintenance, Merits and demerits. Measuring cups, Peelers, mincers, choppers, Spatula, pots, pans, knives - types - knife sharpener, whisks, bowls, Juice extractor, Hand food mixer, spoons and strainer/colander.										15

CO	Course Outcomes
CO1	Students can Draw and Apply the Principles of planning and standards in Kitchen design.
CO2	Students can able Apply various types of Kitchen for suitable interiors.
CO3	Students can Examine the Material and finishes of kitchen well suited for performance. Interpret the Current trends in modular kitchen
CO4	Students can Analyze the types of household equipment and design to the needs of customers
CO5	Students can Create a Design for major, minor equipment, storage spaces and their requirements for kitchen.
<b>Textbooks:</b>	
1	Heather J. Paper (2018). All New Kitchen Ideas that Work, Taunton Press Publishers
2	Sarah Blank (2022). Classic Kitchens for Modern Living: Sarah Blank, Images Publishing Dist Ac Publishers
3	KITCHEN Remodeling: Design Ideas to Modernize Your Kitchen -THE LATEST TRENDS +50 pictures (REMODELING IDEA) (2022). H. PRESS
<b>Reference Books:</b>	
1	Barbara Sallick (2022). The Perfect Kitchen, (2020)
2	Nancy Wolford , Ellen Cheever , NKBA (National Kitchen and Bath Association) (2015). Kitchen and Bath Design Principles: Elements, Form, Styles (NKBA Professional Resource Library), Wiley Publishers
<b>Web resources:</b>	
1	<a href="https://www.kutchina.com/e-catalogue/catalogue-modular%20kitchen.pdf">https://www.kutchina.com/e-catalogue/catalogue-modular%20kitchen.pdf</a>
2	<a href="https://johnsonkitchens.in/pdf/theater_bro_hi-res.pdf">https://johnsonkitchens.in/pdf/theater_bro_hi-res.pdf</a>
3	<a href="https://foyr.com/learn/kitchen-floor-plans-with-dimensions/">https://foyr.com/learn/kitchen-floor-plans-with-dimensions/</a>
4	<a href="https://www.roomsketcher.com/blog/kitchen-layout-ideas/">https://www.roomsketcher.com/blog/kitchen-layout-ideas/</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	1	1	2	2	3	3	3
<b>CO2</b>	3	3	3	2	1	1	2	2	3	3	3
<b>CO3</b>	3	3	3	2	1	1	2	2	3	3	3
<b>CO4</b>	3	3	3	2	1	1	2	2	3	3	3
<b>CO5</b>	3	3	3	2	1	1	2	2	3	3	3
<b>Total</b>	15	15	15	10	5	5	2	2	3	3	3
<b>Average</b>	3	3	3	2	1	1	2	2	3	3	3

3 – Strong, 2- Medium, 1- Low

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDE52	B)Ergonomics	Elective- 8	4	1	0	0	4	5	25	75	100
<b>Learning Objectives</b>											
LO1	Understand the relationship between anthropometry, posture, and musculoskeletal disorders.										
LO2	Assess static and dynamic dimensions used in anthropometric measurements.										
LO3	Analyze posture-related problems and the significance of corrective exercises.										
LO4	Understand the concept and principles of ergonomic design.										
LO5	Compare and identify suitable environmental factors for comfort and efficiency.										
Unit	Content										Hours
1	<b>Ergonomics</b> – Concept, Definition, Characteristics of places, things and activities. Human Factors, Principles of Ergonomics, Occupational factors affecting the worker. Ergonomics in Interior Design-Ergonomic furniture design ,Kitchen ergonomics ,Office ergonomics ,Classroom ergonomic ,Residential ergonomics										15
2	<b>Anthropometry</b> - Definition, Types of data – Static dimensions and Dynamic dimensions, Definition and Applicability of Stature – Eye height, Elbow height, Sitting height, Shoulder and Elbow breadth, Thigh clearance and Popliteal height, Maximum and Minimum Vertical and Horizontal reach.										15
3	<b>Posture</b> – Sitting, Standing, lying down, Change of posture, Movement – Lifting, Pulling and Pushing, Problems of Posture – Kyphosis, Lordosis, Scoliosis and squatting and cross legged problems. Exercises for Postural problems.										15
4	<b>Musculoskeletal Disorder (MSD)</b> – Strain, Tendinitis, Joints, Ligaments. Carpel Tunnel Syndrome (CTS), Back, Neck, Knee problem. Stress – Definition, types and coping techniques.										15
5	<b>Environmental Factors</b> - Noise – Noise Guidelines, Noise reduction materials - Acoustics. Temperature – Heat stress, Heat strain, Materials used for thermal comfort, Heat Exchange - Convection, Conduction and Radiation.										15

CO	Course Outcomes
CO1	Relate anthropometry, posture and Musculo skeletal disorder.
CO2	Assess the static and dynamic dimensions in anthropometry.
CO3	Analyze the problems of posture and relate the significance of exercises.
CO4	Understand the concept of ergonomics design.
CO5	Compare and identify the right environmental factors.
<b>Textbooks:</b>	
1	Khan M.I., (2014). Industrial Ergonomics. PHI Learning Private Limited, New Delhi.
2	Umesh Prasad, (2011). Essential of Ergonomics. Sonali Publications, New Delhi.
3	ManjitKaurChauhan, (2015). Ergonomics Practical Manual for Beginners. Authorspress, New Delhi.
<b>Reference Books:</b>	
1	Jan Dul and Bernard Weerdmeester, (2008). Ergonomics for Beginners – A quick reference guide, CRC Press, New York.
2	Bridger (2017). Introduction To Human Factors And Ergonomics, 4th Edn, Taylor & Francis Publishers
<b>Web resources:</b>	
1	<a href="https://www.medicalnewstoday.com/articles/324071.php#summary">https://www.medicalnewstoday.com/articles/324071.php#summary</a>
2	<a href="https://www.healthyworkstations.com/resources/ergo/TakingMeasurements.pdf">https://www.healthyworkstations.com/resources/ergo/TakingMeasurements.pdf</a>
3	<a href="https://biologydictionary.net/anthropometry/">https://biologydictionary.net/anthropometry/</a>
4	<a href="https://www.osha.gov/ergonomics">https://www.osha.gov/ergonomics</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	1	2	2	2	3	3	3
CO2	3	3	3	2	1	2	2	2	3	3	3
CO3	3	3	3	2	1	2	2	2	3	3	3
CO4	3	3	3	2	1	2	2	2	3	3	3
CO5	3	3	3	2	1	2	3	2	3	3	3
<b>Total</b>	15	15	15	10	5	10	11	10	15	15	15
<b>Average</b>	3	3	3	2	1	2	2.2	2	3	3	3

3 – Strong, 2- Medium, 1- Low

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDE53	A) Applied Arts	Elective- 9	4	1	0	0	4	5	25	75	100
<b>Learning Objectives</b>											
LO1	To Understand the techniques of art forms and developing skills.										
LO2	To Apply art and its principles in the creation and selection of art objects.										
LO3	To Analyze about the different styles of artcrafts.										
LO4	To Apply the principles in creating art objects for home decoration.										
LO5	To Evaluate different types of table settings.										
Unit	Content										Hours
1	<b>Applied arts</b> - Meaning and significance of art in the home. Functions of art - motivated and non-motivated function. Factors affecting art forms - Geography, community, materials, individuality, technology, Psychology and financial resource. Art appreciation - meaning, developing skills for appreciation of art, Evaluation of art objects - Basic guidelines in evaluating art objects.										15
2	<b>Enrichment of different materials.</b> Wood - methods of shaping and decorating - printing, varnish, shellac, lacquer. Woodwork - cutting, turning, carving, Inlay - Enrichment of metals - embossing or repousse, chasing, engraving, inlaying, stamping, gilding, enameling, and electroplating - Ceramics - Definition, Types - earthenware, stoneware, chinaware, porcelain and terracotta. Ornamentation on ceramics - painting, glazing, carving, graffito and Mishima - Glass Enrichment - etching, engraving, cutting, enameling, painting. Use of glass in home.										15
3	<b>Art and Craft-</b> meaning, creating art pieces with mosaics - direct and indirect method. Papier mâché - meaning, origin and process, Basket weaving - meaning, types of basketry methods: coiling, plaiting, twining, and wicker - Craft - Macrame - meaning, materials and types of knots. Decoupage - materials used, and process of decoupage craft, Fabric painting - techniques, Glass painting, Oil painting - ingredients, techniques - glazing, impasto, scumbling, and all prima. Collage - meaning, types - paper, fabric, assemblage, digital.										15
4	<b>Accessories</b> - Meaning, importance, Types - functional accessories and decorative accessories, Factors to be considered while selecting accessories - Proportion, harmony, colour, line and form, texture, expressiveness, theme of room, cost. Placement of accessories - guiding principle - style of room, principles of design, background space, stability of objects. Hanging pictures and picture mounting - square, rectangle - vertical and horizontal.										15
5	<b>Table setting - types</b> - formal table setting, informal table setting and buffet table setting. Principles of table setting, Table decoration and table appointments - meaning, types and uses. Styles in food service - Indian - Thali service. Types of Western food service- English, French, Russian, American, Gueridon. Buffet service - meaning, advantages and disadvantages of Buffet food service.										15

CO	Course Outcomes
CO1	Demonstrate the ability to appreciate art forms and evaluate art objects based on aesthetic and design principles.
CO2	Understand the process of enriching wood, metal, ceramics and glass.
CO3	Create craft items like macramé, collage, decoupage and basket weaving
CO4	Understand the importance, selection and placement of accessories.
CO5	Students will be able to know the different styles of food service.
<b>Textbooks:</b>	
1	Faulkner, R. (1986) Art Today, Zory Field and Hill, New York.
2	Gangodra, V. and Maneesha Shukul (2010), Introduction to Interior Design and decoration, Dominant Publishers and Distributors, New Delhi.
3	Sudhir Andrews (2013), Food and Beverage Service: A Training Manual, Tata McGraw-Hill Education, New Delhi.
<b>Reference Books:</b>	
1	Evans, A (1973), Man the Designer, The Macmillan Company, New York.
2	Faulkner, R. (1986) Art Today, Zory Field and Hill, New York.
3	Holmes, O (1982) - A Grammar of Arts, the Macmillan Company.
<b>Web resources:</b>	
1	<a href="https://en.wikipedia.org/wiki/Art">https://en.wikipedia.org/wiki/Art</a>
2	<a href="https://en.wikipedia.org/wiki/Collage">https://en.wikipedia.org/wiki/Collage</a>
3	<a href="https://nomliving.com/blogs/thingswedo/pottery-and-ceramics-a-brief-explanation">https://nomliving.com/blogs/thingswedo/pottery-and-ceramics-a-brief-explanation</a>
4	<a href="https://www.creativebloq.com/art/painting-techniques-artists-31619638">https://www.creativebloq.com/art/painting-techniques-artists-31619638</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	1	2	3	3	3	2	3	3	3	3	3
CO2	1	2	3	3	3	2	3	3	3	3	3
CO3	1	2	3	3	3	2	3	3	3	3	3
CO4	2	2	3	3	3	2	3	3	3	3	3
CO5	2	2	3	3	3	2	3	3	3	3	3
<b>Total</b>	7	10	15	15	15	10	15	15	15	15	15
<b>Average</b>	1.4	2	3	3	3	2	3	3	3	3	3

3 – Strong, 2- Medium, 1- Low

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDE54	B)Entrepreneurship Development	Elective- 9	4	1	0	0	4	5	25	75	100
<b>Learning Objectives</b>											
LO1	To develop entrepreneurial skills among interior design students.										
LO2	To understand business opportunities in the interior design field.										
LO3	To learn business planning, marketing, and financial management.										
LO4	To gain knowledge about project execution and client management.										
LO5	To encourage self-employment and startup culture in interior design.										
Unit	Content										Hours
1	<b>Entrepreneur</b> - Meaning and definition of entrepreneurship, Characteristics and qualities of an entrepreneur, Importance of entrepreneurship in creative industries Scope of entrepreneurship in interior design, Role of interior designers as entrepreneurs. Types of interior design businesses: Residential interiors, Commercial interiors.										15
2	<b>Small enterprises</b> - Definition, characteristics, Relationship between small and large Units. Role of Small enterprises in economic development, and problems of small-scale industries in Interior Design Subsidies and incentives ,importance of MSMEs in Interior Design, MSMEs Related to Interior design										15
3	Marketing and Client Management-Marketing concepts in interior design , Branding and identity creation Digital marketing and social media promotion, Portfolio development, Client communication and presentation skills ,Negotiation techniques ,Customer relationship management Tendering and quotation ,Pricing strategies in interior projects										15
4	<b>Institutional Finance to Entrepreneurs</b> - Commercial Banks, Other Financial Institutions- SIDBI, SISI, SIPCOT,IFCI, ICICI, IRBI, DIC and SFCs. Steps to start an Interior Design Enterprise.										15
5	<b>Marketing Management for Interior Design-</b> Meaning and definition of marketing Concept of Marketing, Functions of marketing, Market Assessment and segmentation. Marketing Mix. Distribution channels, Sales promotion Branding, Labeling and Packaging. Digital Marketing and Contemporary Marketing Trends.										15

CO	Course Outcomes
CO1	Understand the Concept of entrepreneur and entrepreneurship.
CO2	Compare the financial institutions offering finance to entrepreneurs.
CO3	Relate the role of small enterprises in economic development.
CO4	Explain the concepts of marketing management and marketing mix.
CO5	Create project report for starting a small-scale enterprise.
<b>Textbooks:</b>	
1	T N Chhabra (2019), Entrepreneurship Development, Sun India Publications
2	Hisrich, R.D. (2015). International Entrepreneurship: Starting, Developing, and Managing a Global Venture
3	Taneja, S. and Gupta, S.L. (1992). Entrepreneurship Development, New Venture Creation, Galgotia Publishing Company, New Delhi.
<b>Reference Books:</b>	
1	Sunil Gupta, (2018), Small-Scale Industries and Entrepreneurship, ABD Publishers
2	B. Jankiraman , P.V. Raveendra , V.K. Srirama (2010). Role and Challenges of Entrepreneurship Development, Excel Books Publishers
<b>Web resources:</b>	
1	<a href="https://ncert.nic.in/ncerts/l/lebs213.pdf">https://ncert.nic.in/ncerts/l/lebs213.pdf</a>
2	<a href="https://www.researchgate.net/publication/344413560_Small_Scale_Industries_in_Entrepreneurship_Development_of_India_References">https://www.researchgate.net/publication/344413560_Small_Scale_Industries_in_Entrepreneurship_Development_of_India_References</a>
3	<a href="https://www.iare.ac.in/sites/default/files/lecture_notes/IARE_Entrepreneurial_Development_NOTES.pdf">https://www.iare.ac.in/sites/default/files/lecture_notes/IARE_Entrepreneurial_Development_NOTES.pdf</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	1	2	3	3	3	2	3	3	3	3	3
<b>CO2</b>	1	2	3	3	3	2	3	3	3	3	3
<b>CO3</b>	1	2	3	3	3	2	3	3	3	3	3
<b>CO4</b>	2	2	3	3	3	2	3	3	3	3	3
<b>CO5</b>	2	2	3	3	3	2	3	3	3	3	3
<b>Total</b>	7	10	15	15	15	10	15	15	15	15	15
<b>Average</b>	1.4	2	3	3	3	2	3	3	3	3	3

3 – Strong, 2- Medium, 1- Low

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDIK51	Indian Heritage and Interior Design	IKS	0	0	0	0	0	2	25	75	100
<b>Learning Objectives</b>											
LO1	To understand the principles of Indian Knowledge System (IKS) in interior design										
LO2	To explore traditional Indian architecture, crafts, and decorative practices										
LO3	To study sustainable and eco-friendly indigenous materials and techniques.										
LO4	To apply Indian aesthetics and cultural values in modern interior spaces.										
LO5	To promote preservation of traditional Indian design heritage.										
Unit	Content										Hours
1	<b>Introduction to Indian Knowledge System and Interior Design</b> Meaning and concept of Indian Knowledge System (IKS) Importance of IKS in art, architecture, and interior design, Evolution of Indian interior spaces from ancient to modern period, Principles of traditional Indian aesthetics, Vastu Shastra – meaning, importance, and basic principles, Cultural symbolism in Indian interiors, Role of spirituality and philosophy in space planning.										6
2	<b>Traditional Indian Architecture and Interior Elements</b> Study of traditional Indian architectural styles: Dravidian, Nagara, Indo-Islamic, Vernacular architecture, Courtyard planning and climatic responsiveness. Interior elements in traditional Indian homes-Columns, Arches, Jaalis, Wooden carvings, Wall niches, Traditional flooring and ceiling treatments, Temple architecture and palace interiors of India										6
3	<b>Indigenous Materials and Sustainable Practices</b> Traditional building and interior materials: Clay Lime, Bamboo, Stone Terracotta, Wood. Eco-friendly and sustainable construction techniques, Natural dyes and finishes Indigenous furniture and craft traditions, Energy-efficient planning in traditional Indian houses, Reuse and recycling concepts in Indian traditional practices										6
4	<b>Indian Decorative Arts and Crafts in Interiors</b> Indian textile traditions in interiors: Kalamkari, Ikat, Block printing, Banarasi textiles, Folk and mural arts: Madhubani, Warli, Tanjore, Pattachitra. Traditional decorative accessories and artifacts, Indian motifs, symbols, and patterns in interior decoration, Regional handicrafts and their application in modern interiors, Lighting traditions and decorative installations in Indian homes.										6
5	<b>Contemporary Application of IKS in Interior Design</b> Integration of traditional Indian concepts in contemporary interiors, Modern adaptation of Vastu principles, Sustainable interior practices inspired by Indian traditions, Smart homes with traditional aesthetics, Case studies of Indian designers using IKS concepts, Preservation and promotion of Indian heritage in interior design, Future trends in culturally rooted interior spaces.										6

CO	Course Outcomes
CO1	Understand the concepts of Indian Knowledge System related to interior design
CO2	Identify traditional Indian architectural and decorative elements.
CO3	Apply sustainable indigenous materials and techniques in interiors.
CO4	Incorporate Indian art and craft traditions into modern interior spaces.
CO5	Develop culturally sensitive and eco-friendly interior design solutions.
<b>Textbooks:</b>	
1	Faulkner, R. (1986) Art Today, Zory Field and Hill, New York.
2	Gangodra, V. and Maneesha Shukul (2010), Introduction to Interior Design and decoration, Dominant Publishers and Distributors, New Delhi.
3	Sudhir Andrews (2013), Food and Beverage Service: A Training Manual, Tata McGraw-Hill Education, New Delhi.
<b>Reference Books:</b>	
1	Evans, A (1973), Man the Designer, The Macmillan Company, New York.
2	Faulkner, R. (1986) Art Today, Zory Field and Hill, New York.
3	Holmes, O (1982) - A Grammar of Arts, the Macmillan Company.
<b>Web resources:</b>	
1	<a href="https://en.wikipedia.org/wiki/Art">https://en.wikipedia.org/wiki/Art</a>
2	<a href="https://en.wikipedia.org/wiki/Collage">https://en.wikipedia.org/wiki/Collage</a>
3	<a href="https://nomliving.com/blogs/thingswedo/pottery-and-ceramics-a-brief-explanation">https://nomliving.com/blogs/thingswedo/pottery-and-ceramics-a-brief-explanation</a>
4	<a href="https://www.creativebloq.com/art/painting-techniques-artists-31619638">https://www.creativebloq.com/art/painting-techniques-artists-31619638</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	1	2	3	3	3	2	3	3	3	3	3
CO2	1	2	3	3	3	2	3	3	3	3	3
CO3	1	2	3	3	3	2	3	3	3	3	3
CO4	2	2	3	3	3	2	3	3	3	3	3
CO5	2	2	3	3	3	2	3	3	3	3	3
<b>Total</b>	7	10	15	15	15	10	15	15	15	15	15
<b>Average</b>	1.4	2	3	3	3	2	3	3	3	3	3

3 – Strong, 2- Medium, 1- Low

### THIRD YEAR SEMESTER VI

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC61	Fundamentals of Architecture	Core - 13	4	1	0	0	4	5	25	75	100
<b>Learning Objectives</b>											
LO1	To Learn the form of construction in architecture										
LO2	To Gain knowledge on western architecture and Indian architecture.										
LO3	To Learn the features of modern architectures and the influence of vaasthusastra in building construction.										
LO4	To Study about Indian and Buddhist Architecture										
LO5	To Know about modern architecture.										
Unit	Content										Hours
1	<b>Introduction to architecture</b> - Definition and meaning, importance, Elements of Architecture, principles of architecture. Development of Historic architecture, Relationship Between Architecture and Interior Design, Modern Trends in Architecture.										15
2	<b>Elementary forms of construction</b> - arch, post, lintel, cantilever roofing techniques - truss, vaults and domes. Egyptian and Mesopotamian architecture - Formation and development, characteristic features, typical examples.										15
3	<b>Architectural masterpieces of other countries</b> Greek - Acropolis and Parthenon; their contribution to the development of post and lintel system-doric, ionic and Corinthian orders. Roman - Forum, Pantheon and colosseum ; their contribution to the development of arches and domes. Gothic - Chartres cathedral; their contribution to the development of vaults.										15
4	<b>Indian Architecture</b> - Buddhist - characteristic features - Stambha, Stupa - Sanchistupa, Viharas and chaityas. North - Sun temple, Lingaraja temple, Ajantha and Ellora Caves, Tajmahal, Lotus Temple-its architectural features. South - Brihadeshwar temple, Meenakshi Amman Temple, Rock cut Temples - Mahabalipuram - its architectural features. Islamic architecture - characteristic features.										15
5	<b>Modern architecture</b> - modern materials and new techniques, Great Architects of modern age - Le Corbusier, Mies Vander Rohe, Frank Lloyd Wright-and their outstanding buildings. Influence of vasthusastra in modern construction, Organic architecture.										15

CO	Course Outcomes
CO1	Identify the history and development of architecture.
CO2	Understand the elementary forms of construction
CO3	Explore the architectural masterpieces of other countries.
CO4	Characteristics of Indian architecture.
CO5	Understand the recent trends in architecture.

<b>Textbooks:</b>	
1	Satyamurthy (1991), Handbook of Indian Architecture, Ashish publishing house, New Delhi.
2	Rai,M. and Jaisingh, M.P (1986), Advances in building materials and construction, Roorkee Central Building Research Institute.
3	Prabhakar,L.U (1998), Vastu- The User's Manual, The Avenue Press, Chennai
4	Indian Temples (1995), Oxford University Press, London.
5	Foster.M (1989), The Principles of Architecture: styles, structure and design, New Burlington, London.
<b>Reference Books:</b>	
1	Modern Architecture: A Critical History- Kenneth Frampton, 2007
2	A History of Architecture -Banister Fletcher, 1996
3.	Indian Architecture (Buddhist and Hindu Period)- Satish Grover, 2010
4	Islamic Architecture: Form Function and Meaning -Robert Hillenbrand, 1994
5	Indian Architecture (Islamic Period) Satish Grover, 2010
<b>Web resources:</b>	
1	<a href="https://en.wikipedia.org/wiki/History_of_architecture">https://en.wikipedia.org/wiki/History_of_architecture</a>
2	<a href="https://en.wikipedia.org/wiki/Frank_Lloyd_Wright">https://en.wikipedia.org/wiki/Frank_Lloyd_Wright</a>
3	<a href="https://study.com/academy/lesson/organic-architecture-definition-architects.html">https://study.com/academy/lesson/organic-architecture-definition-architects.html</a>
4	<a href="https://www.ducksters.com/history/ancient_greece/architecture.php">https://www.ducksters.com/history/ancient_greece/architecture.php</a>
5	<a href="https://en.wikipedia.org/wiki/Cave_Temples_of_Mahabalipuram">https://en.wikipedia.org/wiki/Cave_Temples_of_Mahabalipuram</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO2</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO3</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO4</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO5</b>	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

3 – Strong, 2- Medium, 1- Low

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
<b>24UIDC62P</b>	<b>Fundamentals of Architecture - practical</b>	Core - 14	0	0	5	0	3	5	25	75	100
<b>Learning Objectives</b>											
LO1	To Develop basic skills in architectural drawings										
LO2	To Understand and draw fundamental building components.										
LO3	To Illustrate elementary construction forms and roofing systems through sketches and simple models.										
LO4	To Prepare measured drawings (plans and elevations) of simple spaces with accurate proportions										
LO5	To Apply basic architectural drafting skills.										
Unit	Content										Hours
1	Basic Architectural Drawing Introduction to drawing tools and materials Line types, lettering, and dimensioning Simple geometric constructions										45
2	Building Components Drawing Drawing of basic elements: Walls, doors, windows, columns Representation of openings and fixtures										
3	Elementary Construction Forms Sketching and models of: Arch, post and lintel, cantilever Basic roof forms: Truss, vault, dome										
4	Measured Drawing Preparation of simple measured drawings (plan, elevation) of a room or small structure										
5	Architectural Drafting Basic floor plan drafting with furniture layout Introduction to zoning and circulation.										

CO	Course Outcomes
CO1	Students can identify and use architectural drawing tools and materials required for basic drafting and sketching.
CO2	Students can apply line types, lettering, and dimensioning techniques in architectural drawings according to standard practices.
CO3	Students can Construct simple geometric forms and shapes used in architectural drafting.
CO4	Students will be able to Draw basic building components such as walls, doors, windows, and columns with proper representation techniques.
CO5	Students will be able to Represent architectural openings and fixtures accurately in drawings and sketches.

<b>Textbooks:</b>	
1	Satyamurthy (1991), Handbook of Indian Architecture, Ashish publishing house, New Delhi.
2	Rai,M. and Jaisingh, M.P (1986), Advances in building materials and construction, Roorkee Central Building Research Institute.
3	Prabhakar,L.U (1998), Vastu- The User's Manual, The Avenue Press, Chennai
4	Indian Temples (1995), Oxford University Press, London.
5	Foster.M (1989), The Principles of Architecture: styles, structure and design, New Burlington, London.
<b>Reference Books:</b>	
1	Modern Architecture: A Critical History- Kenneth Frampton, 2007
2	A History of Architecture -Banister Fletcher, 1996
3.	Indian Architecture (Buddhist and Hindu Period)- Satish Grover, 2010
4	Islamic Architecture: Form Function and Meaning -Robert Hillenbrand, 1994
5	Indian Architecture (Islamic Period) Satish Grover, 2010
<b>Web resources:</b>	
1	<a href="https://en.wikipedia.org/wiki/History_of_architecture">https://en.wikipedia.org/wiki/History_of_architecture</a>
2	<a href="https://en.wikipedia.org/wiki/Frank_Lloyd_Wright">https://en.wikipedia.org/wiki/Frank_Lloyd_Wright</a>
3	<a href="https://study.com/academy/lesson/organic-architecture-definition-architects.html">https://study.com/academy/lesson/organic-architecture-definition-architects.html</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO2</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO3</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO4</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO5</b>	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

**3 – Strong, 2- Medium, 1- Low**

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDC63P	PROJECT	CC-15 Project	0	0	0	5	4	5	25	75	100
<b>Learning Objectives</b>											
LO1	To develop practical knowledge and professional skills in interior design through project-based learning.										
LO2	To provide exposure to residential, commercial, and institutional interior design projects.										
Unit	Content										Hours
1	Introduction										75
2	Review of Literature and Citing of Bibliography										
3	Methodology										
4	Results and Discussion										
5	Summary and Conclusion										

CO	Course Outcomes
CO1	State a research problem on a topic relevant to their field.
CO2	Prepare a systematic literature review on the topic selected
CO3	Select and execute the most appropriate methodology for the study.
CO4	Acquire basic skill in collecting, analyzing, presenting and interpreting data
CO5	Present findings of the study in a logical and sequential manner and discuss them against a backdrop of available scientific literature.

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	2	3	3	3	3
CO2	3	3	3	2	3	3	2	3	3	3	3
CO3	3	3	3	2	3	3	2	3	3	3	3
CO4	3	3	3	2	3	3	2	3	3	3	3
CO5	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

**3 – Strong, 2- Medium, 1- Low**

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDE61	Professional practice	Elective -10	4	1	0	0	4	5	25	75	100
<b>Learning Objectives</b>											
LO1	To understand the meaning and scope of residential and commercial interior design.										
LO2	To identify different types of residential buildings.										
LO3	To develop planning skills for residential interior spaces.										
LO4	To understand the role and responsibilities of commercial interior designers in modern workplaces.										
LO5	To study different office layout systems.										
Unit	Content										Hours
1	<b>Residential Interior design</b> - meaning, types of residential buildings - single family homes, condominiums, multi-family homes, apartments and flats, penthouses, studio flats, villas, farmhouses, huts, eco-friendly homes. planning for residential interiors - living room, dining room, kitchen, bedroom, children's room, bathroom.										15
2	<b>Commercial interiors</b> - meaning, Role of commercial interior designers, Types of Office Layouts- cubicle, low partition, team-based, open-plan, hybrid, co-working, home office - prospects and constraints. Factors to be considered in commercial interior designing - versatility of space, aesthetics, technology implementation, personalized spaces and safety. Space planning for office interiors - cabinets, conference rooms.										15
3	<b>Estimation</b> - Definition of estimates, need for estimation, Types of estimates - approximate, detailed, revised, supplementary, repair, annual maintenance and sub-estimate. Types of approximate estimate. Preparation of detailed estimate. Measurement of materials - units and mode of measurement, rules for measurements. Quantity surveying - methods of taking out quantities- long wall-short wall, centre line, partially centre line and short wall. Analysis of rates, schedule of items, schedule of quantities.										15
4	<b>Specifications</b> - definition, importance of specification, uses of specification, types of specification - General, detailed, special, restricted or recommended and manufactures. Principles of drafting specifications, requirements of specifications, points to be included in the specifications. Sources for information regarding the specification										15
5	<b>Tenders and quotations</b> - Tenders - meaning, objectives of tendering, contents of a tender notice, types of tender, tender document, preparation of tenders, methods of inviting tender public, e-tendering, limited tender, single tender, nomination. Quotations - meaning, Contracts - meaning, types - measurement contracts, lump sum, cost plus fee, turnkey, labour, day work, unit price, target cost, time and material.										15

CO	Course Outcomes
CO1	Students will be able to Differentiate different types of residential buildings.
CO2	Understand the factors involved in commercial space designing.
CO3	Understand the types of estimates and quantity surveying methods and Prepare detail estimation.
CO4	Students will be able to learn the importance and uses of specification in construction
CO5	Students to Know the difference between tenders, quotation and contract.
<b>Textbooks:</b>	
1	Faulkner, R. (1986) Art Today, Zory Field and Hill, New York
2	SamKubba, Space Planning for Commercial and Residential, McGraw-Hill Professional (2003)
3	Arulmanickam A.P. and T.K. Palaniappan (1993), Estimating and Costing, Pratheeba Publishers, Coimbatore.
4	Residential Interior Design: A Guide to Planning Spaces □ Maureen Mitton, 2016
5	Estimating and Costing in Civil Engineering □ B. N. Dutta, 2016
<b>Reference Books:</b>	
1	Human Dimension and Interior Space □ Julius Panero & Martin Zelnik, 1979
2.	Professional Practice for Interior Designers □ Christine M. Piotrowski, 2013
3.	Civil Engineering Estimating and Costing- S. C. Rangwala, 2011
4	Construction Planning and Management □ K. K. Chitkara, 2014
<b>Web resources:</b>	
1	<a href="https://en.wikipedia.org/wiki/Art">https://en.wikipedia.org/wiki/Art</a>
2	<a href="https://www.artyfactory.com/art-appreciation.html">https://www.artyfactory.com/art-appreciation.html</a>
3	<a href="http://expertrealttycompany.blogspot.com/2015/04/what-are-five-principal-typesof.html">http://expertrealttycompany.blogspot.com/2015/04/what-are-five-principal-typesof.html</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
<b>CO1</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO2</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO3</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO4</b>	3	3	3	2	3	3	2	3	3	3	3
<b>CO5</b>	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

**3 – Strong, 2- Medium, 1- Low**

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDE62	Mass Communication	Elective - 10	4	1	0	0	4	5	25	75	100
<b>Learning Objectives</b>											
LO1	To Understand the meaning and concept of communication.										
LO2	To Gain theoretical and practical knowledge of basic design processes of communication.										
LO3	To Understand the Graphic Design, Roles and responsibility of Graphic Designers.										
LO4	To Advertising and explain its role in modern life.										
LO5	To Understand the Photography, calligraphy, Typography										
Unit	Content										Hours
1	Meaning of Mass Communication - Definition, Characteristics, Elements and its types of mass communication. Mode of communication in Interior design- Books, Newspapers, Film, Cinema, Radio and Television and social media, Trends in communication in Interiors.										15
2	Communication Process - Communication Process, audio-visual aids, Mass media production. Barriers in Communication □ Definition, types and overcoming the barrier of communication. Tools of communication. Advantages of effective communication.										15
3	<b>Graphic Design</b> □ Introduction, Role of design in society □ Impact and function of graphic design, Types - Booklets, Brochures, Folders, Posters. Role of design in the changing social scenario. Role and responsibility of Graphic Designers										15
4	<b>Advertising</b> □ Definition, Role of advertising in modern life -Advertising through Print Media and social media. Advantages and disadvantages of advertising. Logo □ Definition, Evolution of logos and their importance.										15
5	Photography □ Definition, Photographic types. Calligraphy □ Definition, styles of calligraphy, Equipment □s used in calligraphy. Then atomy of type, type specification, type classification. Typography-evolution, Font anatomy, text typefaces and its types, display graphics.										15
<b>PRACTICE CONTENT</b>											
a) Using computers applications to prepare Invitation, Brochures and Posters.											
b) Basic design exercises □ Designing a logo, Digital design.											
c) Different styles of Calligraphy.											
d) Model Making.											
e) Compile photography - landscape, portrait, still life, and documentary.											

CO	Course Outcomes
CO1	Identify and understand the meaning, characteristics, elements and mode of Mass Communication.
CO2	Distinguish the Barriers in communication and practice the ways of overcoming barriers in communication.
CO3	Analyze the Impact and functions of Graphic design
CO4	Criticize the Role of advertisement in modern society
CO5	Develop display skills in photography
<b>Textbooks:</b>	
1	Ambrose, G. & Harris, P. (2015) □ The Fundamentals of Graphic Design
2	Caldwell, C. (2019) □ Graphic Design For Everyone
3	Carter, R. et al. (2015) □ Typographic Design
4	Inglis, T. (2019) □ Graphic Design Bible.
5	The Fundamentals of Graphic Design □ Ambrose & Harris
<b>Reference Books:</b>	
1	Caldwell, C. (2019) □ Graphic Design For Everyone;
2.	<b>Advertising Basics</b> J. J. Fletcher, 2010
3.	<b>Visual Communication</b> Jonathan Baldwin, 2006
4	<b>Calligraphy Bible-</b> David Harris, 2003
<b>Web resources:</b>	
1	<a href="https://www.researchgate.net/publication/344235361_The_Types_of_Communication">https://www.researchgate.net/publication/344235361_The_Types_of_Communication</a>
2	<a href="https://assets.cambridge.org/97811071/51048/frontmatter/9781107151048_frontmatter.pdf">https://assets.cambridge.org/97811071/51048/frontmatter/9781107151048_frontmatter.pdf</a>
3	<a href="https://www.researchgate.net/publication/304038097_COMMUNICATION_BARRIERS">https://www.researchgate.net/publication/304038097_COMMUNICATION_BARRIERS</a>
	<a href="https://www.southampton.ac.uk/~assets/doc/hr/Barriers%20to%20effective%20communication.pdf">https://www.southampton.ac.uk/~assets/doc/hr/Barriers%20to%20effective%20communication.pdf</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	2	3	3	3	3
CO2	3	3	3	2	3	3	2	3	3	3	3
CO3	3	3	3	2	3	3	2	3	3	3	3
CO4	3	3	3	2	3	3	2	3	3	3	3
CO5	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

3 – Strong, 2- Medium, 1-Low

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDE63	Green Building Technology	Elective -11	4	1	0	0	4	5	25	75	100
<b>Learning Objectives</b>											
LO1	Understand the importance of green building technology.										
LO2	Learn the significance of using solar devices.										
LO3	Practice Green building techniques to protect our health.										
LO4	Interpret the materials and finishes used in green building										
LO5	Acquired knowledge in recent green building materials and to trap rainwater										
Unit	Content										Hours
1	<b>Green building technology</b> - Meaning, concept, need for developing green building concept in India, importance of green building technology, benefits of green buildings - environmental benefits, economic benefits, social benefits, Disadvantages of green buildings, impact of green building on human health and natural environment.										15
2	<b>Sustainable building materials</b> - meaning, Characteristics of sustainable materials. Materials and finishes used in green building - Bamboo, straw bale, recycled plastic, wood, dimension stone, Recycled stone, non-toxic metals, Earth blocks-compressed, rammed and baked; flax linen, sisal, wood fibres, cork, coconut, non- VOC paints and polyurethane block. Vermiculites - meaning and commercial uses										15
3	<b>Green building practices and technologies.</b> Site planning and design, Energy Efficiency - Passive Solar Design- advantages, use of thermostats, doors, windows and insulating materials, Materials Efficiency - recyclable materials, Operations and Maintenance Optimization, Water Efficiency - Porous paving schemes, landscaping and plumbing, Indoor Environmental Quality Enhancement - lighting, ventilation and low VOC paints, Waste Reduction.										15
4	<b>Renewable energy resources</b> - meaning, importance of renewable energy resources, solar energy - advantages and disadvantages, principles and functions of solar devices - solar room heater - construction and working , solar lights - components, working principles, benefits and uses, solar water heater - components, working principles, and usage, solar air conditioning system - meaning, working mechanism.										15
5	<b>Water conservation technology</b> - need for water conservation, Difference between water conservation and water efficiency, Strategies to save water at home, Rain water harvesting - meaning, importance of rain water harvesting, requirements of rain water harvesting structure, methods of rain water harvesting systems - surface run off and Roof top rain water harvesting, advantages, Grey water usage										15

CO	Course Outcomes
CO1	Understand the green building concepts.
CO2	Learn the characteristics of green building materials.
CO3	Know the green building practices.
CO4	Importance of solar energy utilization
CO5	Know the methods of rain water harvesting.
<b>Textbooks:</b>	
1	Nilesh Y. J (2016), Green and Smart Buildings: Advanced Technology Options (Green Energy and Technology) , Springer; 1st ed.
2	Faulkner,S. and Faulkner,R.(1987), Inside Today's Home, Rinehart Publishing Company, New York.
3	Charles J. Kibert, (2008),Sustainable Construction: Green Building Design and Delivery, John Wiley and sons.
4	Rai, G.D. (1995), Solar Energy Utilization, Khanna Publishers, New Delhi
5	Rob Avis P and Michelle A.P.( 2018), Essential Rainwater Harvesting: A Guide to Home-Scale System Design New Society Publishers.
<b>Reference Books:</b>	
1	Despande, R.S, (1974) Build Your Own Home, United Book Corporation, Poona
2.	Roa, M.P. (1998), Interior Design, Principles and Practice, Standard Publishers, Delhi
3.	Riggs, J.R. (1992) Materials and Components of Interior Design, Regents Hall, New Jersey
<b>Web resources:</b>	
1	<a href="https://theconstructor.org/building/elements-of-green-building/5375/">https://theconstructor.org/building/elements-of-green-building/5375/</a>
2	<a href="https://theconstructor.org/water-resources/methods-of-rainwater-harvesting/5420/">https://theconstructor.org/water-resources/methods-of-rainwater-harvesting/5420/</a>
3	<a href="https://www.greenbuilt.org/about/importance-of-green-building/">https://www.greenbuilt.org/about/importance-of-green-building/</a>
4	<a href="https://chillsairconditioning.com/how-does-solar-air-conditioning-work/">https://chillsairconditioning.com/how-does-solar-air-conditioning-work/</a>
5	<a href="https://en.wikipedia.org/wiki/Vermiculite">https://en.wikipedia.org/wiki/Vermiculite</a>

### Mapping with Progame Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	2	3	3	3	3
CO2	3	3	3	2	3	3	2	3	3	3	3
CO3	3	3	3	2	3	3	2	3	3	3	3
CO4	3	3	3	2	3	3	2	3	3	3	3
CO5	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

3 – Strong, 2- Medium, 1- Low

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDE64	B )Fine Arts Drawing and Painting	Elective -11	4	1	0	0	4	5	25	75	100
<b>Learning Objectives</b>											
LO1	To Explore variety of drawing media and techniques										
LO2	To Develop skill in drawing using different tools										
LO3	To Apply different media for painting.										
LO4	To Illustrate designs using various techniques										
LO5	To Summarize colour combination in creating focal points.										
Unit	Content										Hours
1	<b>Drawing Equipment</b> - Meaning and importance of drawing equipment in art and design Supports - Canvas, Boards, Panels and papers - water colour and oil painting - Brushes-water colour and oil paint - Developing design on various supports with different brushes.										15
2	<b>Drawing Media</b> - Meaning and importance, Pencils - Charcoal - Pastels - Crayons - Pen and Ink - Markers and fibre tip pens - Accessories - drawing with different media - Painting media - Water colour, gouache, tempera, acrylics, oil paints, binders, diluents, mediums, palettes, and accessories. Developing wall hangers.										15
3	<b>Modern Art:</b> Meaning and characteristics of Modern Art, Difference between traditional art and modern art. Realism, Impressionism, Post-impressionism, Art Nouveau, Fauvism, Cubism, Futurism, Expressionism, surrealism, Abstract art.										15
4	<b>Techniques of drawing</b> - Line - Points - Tone - Wash - Texture - Developing greeting cards using different techniques.Colour and composition - Colour-language, tonal value, mixing, colour expression and colour contrast - Composition-creating focal points.										15
5	<b>Painting</b> - Mural - Ajanta, Miniature - Moghul, Kangra - Rajasthan.Contribution of Foreign artists to art - Michelangelo and Leonardo Da Vinci.Indian artists - Raja Ravi Varma and R.K.Laxman. Madras school - K.C.S.Panikar.										15

CO	Course Outcomes
CO1	Students will be able to Identify and use various drawing equipment, supports, brushes, and art materials.
CO2	Students will be able to Demonstrate knowledge of different drawing and painting media
CO3	Students will be able to Apply different drawing and painting techniques.
CO4	Students will be able to Develop artistic designs on various supports.
CO5	Students will be able to Create decorative and functional art products.
<b>Textbooks:</b>	
1	The Artist's Handbook of Materials and Techniques □ Ralph Mayer, 1991
2	Drawing on the Right Side of the Brain- Betty Edwards, 2012
3	<b>Design Drawing</b> -Francis D. K. Ching, 2019
4	The Artist's Handbook of Materials and Techniques □ Ralph Mayer, 1991
5	History of Modern Art-H. H. Arnason, 2010
<b>Reference Books:</b>	
1	Gair, A, 1999 Artists' Manual, Hopper Collins Publishers, London
2.	Holt, F.T. and Smith, S. 1997. The Artists Manual - Equipments, Materials, Techniques, Grange Books, London.
3.	Monahan, P., Seligman, P. and Clouse, W. 2003, Arts School - A Complete Painters Course, Chancellor Press, London.
4	Stanyer,P. 2003. The Complete Book of Drawing Techniques, Areturus Publishing Limited for Book Mark Limited, Leicester.
<b>Web resources:</b>	
1.	<a href="https://www.creativebloq.com/art/drawing-techniques-7-fundamentals-pencil-drawing-71621181">https://www.creativebloq.com/art/drawing-techniques-7-fundamentals-pencil-drawing-71621181</a>
2	<a href="http://www.historyofpencils.com/drawing-tools/">http://www.historyofpencils.com/drawing-tools/</a>
3	<a href="https://www.oxfordartonline.com/page/impressionism-and-postimpressionism/impressionism-and-postimpressionism">https://www.oxfordartonline.com/page/impressionism-and-postimpressionism/impressionism-and-postimpressionism</a>
4	<a href="https://www.quora.com/How-is-mural-painting-different-from-miniature-painting">https://www.quora.com/How-is-mural-painting-different-from-miniature-painting</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	2	3	3	3	3
CO2	3	3	3	2	3	3	2	3	3	3	3
CO3	3	3	3	2	3	3	2	3	3	3	3
CO4	3	3	3	2	3	3	2	3	3	3	3
CO5	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

3 – Strong, 2- Medium, 1- Low

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDP51	FALL CEILING	PEC-1	1	1	0		2	2	25	75	100
<b>Learning Objectives</b>											
LO1	To Provide fundamental knowledge of fall ceiling systems, their purpose.										
LO2	To Develop understanding of materials used in fall ceilings.										
LO3	To Introduce construction techniques.										
LO4	To Enhance design skills by exploring various ceiling designs, patterns, and integration of lighting.										
LO5	To understand building services integration.										
Unit	Content										Hours
1	<b>Definition and meaning of Fall Ceiling Importance and functions:</b> Aesthetic enhancement. Thermal insulation, Acoustic control, Concealment of services (wires, ducts) Advantages and disadvantages of false ceilings Types of ceilings:-Conventional ceiling Suspended ceiling , Exposed ceiling ,Basic components of ceiling systems.										6
2	<b>Materials Used in Fall Ceiling</b> Types of materials: Gypsum board, Plaster of Paris (POP), Mineral fibre, Metal (aluminium, steel),Wood and plywood ,PVC ceiling panels ,Glass and fabric ceilings. Properties of materials-Durability, Fire resistance, Moisture resistance, Acoustic properties.										6
3	<b>Construction &amp; Installation Techniques,</b> Components of fall ceiling system: Framework (metal/wood), Hangers and channels, Ceiling boards/panels, Installation process: Marking levels <ul style="list-style-type: none"> <li>o Fixing framework</li> <li>o Panel fixing</li> <li>o Finishing</li> </ul> Tools and equipment used Safety precautions during installation										6
4	<b>Design &amp; Types of Fall Ceiling</b> Types of ceiling designs-Grid, Cove, Coffered, Tray, Floating. Lighting integration: <ul style="list-style-type: none"> <li>o LED strip lighting</li> <li>o Spotlights</li> <li>o Concealed lighting</li> </ul> Decorative finishes and textures Role of false ceiling in interior aesthetics										6
5	<b>Services, Maintenance &amp; Applications</b> Integration with building services: <ul style="list-style-type: none"> <li>o Electrical wiring</li> <li>o HVAC ducts</li> <li>o Fire safety systems</li> </ul> <ul style="list-style-type: none"> <li>• Maintenance and repair: <ul style="list-style-type: none"> <li>o Cleaning methods</li> <li>o Replacement of panels</li> </ul> </li> <li>• Cost considerations and estimation basics</li> </ul>										6

CO	Course Outcomes
CO1	Students will be able to Understand different types of false ceilings and materials
CO2	Students can Apply appropriate ceiling design for various spaces
CO3	Students can Identify construction techniques and installation methods
CO4	Students can Integrate lighting and services in ceiling design
CO5	Students can Evaluate ceiling performance and maintenance needs
<b>Textbooks:</b>	
1	<b>Time-Saver Standards for Interior Design and Space Planning</b> □ Joseph De Chiara et al., 2001
2	<b>Interior Design Materials and Specifications-</b> Lisa Godsey, 2017
3	Building Construction Handbook- Roy Chudley, 2014
4	The Complete Home Decorating Idea Book · Author: Creative Homeowner -Year: 2012
5	The Fundamentals of Interior Design ,Author: Simon Dodsworth .Year: 2009
<b>Reference Books:</b>	
1	Building Construction Illustrated -Francis D. K. Ching, 2014
2.	Interior Design Illustrated Francis D. K. Ching, 2012
3	Materials for Interior Environments-Corky Binggeli, 2011
<b>Web resources:</b>	
1.	<a href="https://www.livehomes.in/blog-details/Differences-Between-False-Ceiling-and-Drop-Ceiling">https://www.livehomes.in/blog-details/Differences-Between-False-Ceiling-and-Drop-Ceiling</a>
2	<a href="https://www.ultratechcement.com/for-homebuilders/home-building-explained-single/descriptive-articles/types-of-false-ceiling">https://www.ultratechcement.com/for-homebuilders/home-building-explained-single/descriptive-articles/types-of-false-ceiling</a>
3	<a href="https://www.nuvoco.com/blog/blog-10-types-of-false-ceilings-for-home">https://www.nuvoco.com/blog/blog-10-types-of-false-ceilings-for-home</a>
4	<a href="https://www.youtube.com/watch?v=C_v32XOXWDg">https://www.youtube.com/watch?v=C_v32XOXWDg</a>

### Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	2	3	3	3	3
CO2	3	3	3	2	3	3	2	3	3	3	3
CO3	3	3	3	2	3	3	2	3	3	3	3
CO4	3	3	3	2	3	3	2	3	3	3	3
CO5	3	3	3	2	3	3	2	3	3	3	3
<b>Total</b>	15	15	15	10	15	15	10	15	15	15	15
<b>Average</b>	3	3	3	2	3	3	2	3	3	3	3

3 – Strong, 2- Medium, 1- Low

Course Code	Course Name	Category	L	T	P	S	Credits	Hours	Marks		
									CIA	External	Total
24UIDL51	Client Communication And Presentation	SLC-1	0	0	0	3	2	3	25	75	100
<b>Learning Objectives</b>											
LO1	To Develop effective communication skills										
LO2	To understand and analyze client requirements.										
LO3	To Train students in preparing client briefs, mood boards, and concept presentations										
LO4	To Enhance presentation skills										
LO5	To Equip students with techniques to handle client feedback, negotiations, and design.										
Unit	Content										Hours
1	<b>Meaning and importance of client communication in interior design</b> Types of clients (residential, commercial, corporate) Stages of client interaction: <ul style="list-style-type: none"> <li>• Initial meeting</li> <li>• Client briefing and requirement analysis</li> </ul> Communication skills: <ul style="list-style-type: none"> <li>• Verbal and non-verbal communication</li> <li>• Listening skills and questioning techniques</li> </ul> Professional ethics and etiquette in client handling										9
2	<b>Understanding client requirements and lifestyle analysis</b> <b>Preparation of:</b> <ul style="list-style-type: none"> <li>• Client brief</li> <li>• Mood boards</li> <li>• Concept statements</li> </ul> <input type="checkbox"/> Site analysis and documentation <input type="checkbox"/> Budget discussion and cost considerations <input type="checkbox"/> Recording and maintaining client data										9
3	<b>Methods of presenting design ideas:</b> <ul style="list-style-type: none"> <li>• Sketches and drawings</li> <li>• 2D plans and 3D views</li> <li>• Physical models</li> </ul> Digital presentation tools: AutoCAD <ul style="list-style-type: none"> <li>• SketchUp</li> <li>• Adobe Photoshop</li> </ul> Preparing presentation boards: <ul style="list-style-type: none"> <li>• Layout, color schemes, materials</li> <li>• Portfolio preparation and design documentation</li> </ul>										9
4	<b>Techniques for effective presentation:</b> <ul style="list-style-type: none"> <li>• Visual storytelling</li> <li>• Use of samples and materials</li> </ul> <input type="checkbox"/> Client meeting presentation skills <input type="checkbox"/> Handling client queries and objections <input type="checkbox"/> Negotiation and persuasion skills <input type="checkbox"/> Incorporating feedback and revising designs										9

5	<p><b>Preparing final presentation:</b></p> <ul style="list-style-type: none"> <li>• Working drawings</li> <li>• Material boards</li> <li>• Cost estimates</li> </ul> <p>Coordination with contractors and vendors</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Presentation for approvals and execution</li> <li><input type="checkbox"/> Use of digital platforms: <ul style="list-style-type: none"> <li>• Microsoft PowerPoint</li> <li>• Canva</li> </ul> </li> <li><input type="checkbox"/> Client satisfaction and post-project communication</li> </ul>	9
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CO	Course Outcomes
CO1	Students will be able to Understand the principles of client communication.
CO2	Students can Identify different types of clients.
CO3	Students can Demonstrate professional communication skills.
CO4	Students can Prepare client-oriented design documents.
CO5	Students can Develop and present interior design proposals.
<b>Textbooks:</b>	
1	<b>Thomas L. Williams</b> <input type="checkbox"/> <i>Interior Design Clients: The Designer's Guide to Building and Keeping a Great Clientele</i> <input type="checkbox"/> <b>2010</b> <input type="checkbox"/> Allworth Press.
2	<b>Mary V. Knackstedt</b> <input type="checkbox"/> <i>Marketing and Client Relations for Interior Designers</i> <input type="checkbox"/> <b>2008</b> <input type="checkbox"/> John Wiley & Sons.
3	<b>Mary V. Knackstedt</b> <input type="checkbox"/> <i>The Interior Design Business Handbook: A Complete Guide to Profitability</i> <input type="checkbox"/> <b>2012</b> <input type="checkbox"/> Wiley Publications.
4	<b>Francis D.K. Ching</b> <input type="checkbox"/> <i>Interior Design Illustrated</i> <input type="checkbox"/> <b>2018</b> <input type="checkbox"/> Wiley Publications.
5	<b>Corky Binggeli</b> <input type="checkbox"/> <i>Interior Design Illustrated</i> <input type="checkbox"/> <b>2015</b> <input type="checkbox"/> John Wiley & Sons.
<b>Reference Books:</b>	
1	<b>Maureen Mitton</b> <input type="checkbox"/> <i>Interior Design Visual Presentation: A Guide to Graphics, Models, and Presentation Techniques</i> <input type="checkbox"/> <b>2024 (6th Edition)</b> <input type="checkbox"/> John Wiley & Sons
2.	<b>Robyn Hayward</b> <input type="checkbox"/> <i>Professional Practice for Interior Designers</i> <input type="checkbox"/> <b>2017</b> <input type="checkbox"/> Fairchild Books
3	<b>Donald Norman</b> <input type="checkbox"/> <i>The Design of Everyday Things</i> <input type="checkbox"/> <b>2013 Revised Edition</b> <input type="checkbox"/> Basic Books
<b>Web resources:</b>	
1.	<a href="https://www.slideshare.net/slideshow/client-communication-81039882/81039882">https://www.slideshare.net/slideshow/client-communication-81039882/81039882</a>
2	<a href="https://www.youtube.com/watch?v=YJXUOJKtn8o">https://www.youtube.com/watch?v=YJXUOJKtn8o</a>
3	<a href="https://www.iimcal.ac.in/mdp/communication-and-presentation-skills">https://www.iimcal.ac.in/mdp/communication-and-presentation-skills</a>
4	<a href="https://www.seerinteractive.com/insights/4-practical-client-communication-tips-how-to-be-less-awkward">https://www.seerinteractive.com/insights/4-practical-client-communication-tips-how-to-be-less-awkward</a>

### Mapping with Programme Outcomes

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
<b>CO1</b>	3	3	3	3	3	3	2	2	3	3	3
<b>CO2</b>	3	3	3	3	3	3	2	2	3	3	3
<b>CO3</b>	3	3	3	3	3	3	2	2	3	3	3
<b>CO4</b>	3	3	3	3	3	3	2	2	3	3	3
<b>CO5</b>	3	3	3	3	3	3	2	2	3	3	3
<b>Total</b>	15	15	15	15	15	15	10	10	15	15	15
<b>Average</b>	3	3	3	3	3	3	2	2	3	3	3

**3 – Strong, 2- Medium, 1- Low**