Program and Course Structure

School of Architecture and Planning
Bachelor of Design
SAP0201

(Specialization in Interior Design)
Batch 2019-2023

1. Standard Structure of the Program at University Level

1.1 Vision, Mission and Core Values of the University

Vision of the University

To serve the society by being a global University of higher learning in pursuit of academic excellence, innovation and nurturing entrepreneurship.

Mission of the University

1. **Transformative educational experience**
2. **Enrichment by educational initiatives that encourage global outlook**
3. **Develop research, support disruptive innovations and accelerate entrepreneurship**
4. **Seeking beyond boundaries**

Creative Campaign Can be TEDs: This is guiding principle for promotion and wide circulation among various stakeholder.
Guidelines: Similar Mnemonics can be designed by schools.

Core Values

- **Integrity**
- **Leadership**
- **Diversity**
- **Community**

School of Architecture & Planning

1.2 Vision and Mission of the School of Art. Design & Media Studies

Vision of the School

To build the school as a hub of teaching, research and innovation in the field of creative art, design and media studies, thus, making it a truly world-class centre for producing industry-ready professionals at par with the best universities of the world.

Mission of the School

- **Creating a stimulating, flexible and application-based learning environment for students as well as for faculty.**
- **To provide the necessary platform to impart skills and knowledge related to creative art, design, journalism and mass communication.**
- **Creating brilliant professionals by imparting a blend of theory and practical lessons through state-of-art infrastructure.**
- **Leveraging research to form strong industry-academia linkages.**

Core Values

- **Innovation**
- **Awareness**
- **Information**
- **Ethics**

DEPARTMENT OF DESIGN

1.2.1 Vision and Mission of the Department

Vision of the Department

To be a centre of excellence in design education for developing a fresh generation of creative entrepreneurs, who will imbibe a critical thinking and problem solving approach to provide creative solution through collaborative team efforts at different levels of society.

Mission of the Department

1. To develop in creating a world class centre of independent design thinking in bringing advanced innovation in design industry.
2. Promoting in depth research on local skills, materials and sustainable methods while also keeping in mind the untapped potential of Indian craftsmanship for strengthening Indian culture and society.
3. To make indomitable efforts to transcend the image of India as a production resource to a design facilitator on a world map.

1.3 Program Educational Objectives (PEO)

PEO1: The curriculum shall provide the students the flexibility to create their identity and generate in them the instinct to create a niche for themselves when exposed to the industry as professionals.

PEO2: The curriculum shall provide them learning acquired by explorations in the field of Fashion design to create indelible experiences and innovate with their highest creative potential to serve the society at their best.

PEO3: The program shall include more hands on experience with regular workshops and updated trends in Fashion design industry. It shall provide basic tools, skills, and materials for exploratory exposure understanding nuances of history, Art, culture, traditions and their evolution with the people. It shall excite them to understand evolved craftsmanship and concurrent needs.

PEO4: Promoting humanity and culture in designing systems and environments to improve the human condition, an approach that draws on design thinking.

1.3.2Map PEOs with School Mission Statements:

PEO Statements	School Mission-1	School Mission-2 .	School Mission-3 .	School Mission-4 .
PEO1: The curriculum shall provide the students the flexibility to create their identity and generate in them the instinct to create a niche for themselves when exposed to the industry as professionals.	**2**	**2**	**1**	**3**

PEO2: The curriculum shall provide them learning acquired by explorations in the field of Fashion design to create indelible experiences and innovate with their highest creative potential to serve the society at their best.	**2**	**3**	**1**	**2**
PEO 3 The program shall include more hands-on experience with regular workshops and updated trends in Fashion design industry. It shall provide basic tools, skills, and materials for exploratory exposure understanding nuances of history, Art, culture, traditions and their evolution with the people. It shall excite them to understand evolved craftsmanship and concurrent needs.	**3**	**1**	**2**	**1**
PEO4: Promoting humanity and culture in designing systems and environments to improve the human condition, an approach that draws on design thinking.	**1**	**2**	**3**	**2**

1. Slight (Low) **2. Moderate (Medium)** **3. Substantial (High)**

1.3.2 Map PEOs with Department Mission Statements:

PEO Statements	Department Mission-1	Department Mission-2	Department Mission-3
PEO1: The curriculum shall provide the students the flexibility to create their identity and generate in them the instinct to create a niche for themselves when	**3**	**2**	**1**

PEO2: The curriculum shall provide them learning acquired by explorations in the field of Fashion design to create indelible experiences and innovate with their	**2**	**3**	**1**
PEO 3 The program shall include more hands-on experience with regular workshops and updated trends in Fashion design industry. It shall provide basic tools, skills, and materials for exploratory exposure understanding nuances of history, Art, culture, traditions and their evolution with the people. It shall excite them to understand evolved craftsmanship and concurrent needs.	**2**	**3**	**1**
PEO4: Promoting humanity and culture in designing systems and environments to improve the human condition, an approach that draws on design thinking.	**3**	**1**	**3**

1. Slight (Low) **2. Moderate (Medium)** **3. Substantial (High)**

1.3.3 Program Outcomes (PO's)

PO1: Apply research-based problem solving to the design effect positive change in the welfare, and quality of life for people in home, work and leisure-built environments;

PO2: Develop community engagement and service-learning to provide students with opportunities to experience problem finding and solving in the different areas.

PO3: Support learning outside the classroom to expand understanding of the profession and practice.

PO4: Demonstrate and employ hand drawing and drafting principles to convey concepts.
PO5: Work well together as emerging team players and innovative design thinkers.

PO6: Bring their evolving design point-of-view and work aesthetics to various types of imaginative challenges.

PO7: Adapt their inspired knowledge and abilities to ongoing changes in global trends and related creative industries

PO8: Understand and implement new technologies relative to design development.

PO9: Identify the business practices and entrepreneur skill needed for the profession.

PSO1: Research focused design exploration using in-depth historical, market & trend research.
PSO2: To design with hands on approach establishing connection between history of Indian textiles and future industry.
PSO3: Experimental Design development aligned with future, using latest technology or sustainable approach.
PSO4: Project based & Industry aligned learning to develop as Entrepreneurs with Brand Building Approach

1.3.4 Mapping of Program Outcome Vs Program Educational Objectives

	PEO1	PEO2	PEO3	PEO4
PO1	1	3	2	1
PO2	-	2	1	2
PO3	3	2	1	-
PO4	1	2	2	1
PO5	1	-	2	3
PO6	-	3	1	3
PO7	3	-	2	1
PO8	2	3	1	1
PO9	-	2	3	-
PSO1	3	2	2	3
PSO2	2	3	2	3
PSO3	3	3	3	3
PSO4	3	3	3	3

1. Slight (Low) ***2. Moderate (Medium)*** ***3. Substantial (High)***

1.3.5 Program Outcome Vs Courses Mapping Table

Program Outcome / Courses	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO12	PSO1	PSO2	PSO3	PSO4
TERM-I																	
	Basic of Design	2	1	3	3	1	3	1	2	2	3	2	1	1	2	2	3
	Free hand Drawing	1	3	1	2	2			1	3	1	2	2				
	Introduction to Digital design & presentation	2	1	2	3	1	3	1	2	2	3	2	1	3	2	2	3
	Community Connect	2	1	3	3	1	3	1	2	2	3	2	1	1	2	2	3
		2	1	3	3	1	3	1	2	2	3	2	1	1	2	2	3
	Basic Sketching	2	2	1	1	2	3	1	2	2	3	2	1	1	2	3	3
		2	1	1	2	1	3	1	2	2	3	2	1	1	2	2	3
	Communicative English-I	2	1	3	3	2	1	1	2	2	3	2	1	1	2	2	3
	History 1- History of Art-I	3	1	3	1	2	2	1	2	2	3	2	1	1	2	2	3
		2	1	3	3	1	3	1	2	2	3	2	1	1	2	2	3
TERM-II																	
	Interior Design Studio -1	2	1	3	3	1	3	1	2	2	3	2	1	1	2	2	3
	Materials,Construction & Finishes I	3	2	3	2	3	2	3	3	2	1	3	2	3	3	2	3
	Digital 1	2	1	2	3	1	3	1	2	2	3	2	1	3	2	2	3
	Design Thinking	2	1	3	3	1	3	1	2	2	3	2	1	1	2	2	3
	Communicative English II	2	1	3	1	2	2	1	2	2	3	2	1	1	2	2	3
	Enviornmental Science	2	1	3	3	1	3	1	2	2	3	2	1	1	2	3	3

	History 2-History of Art-II	-	1	3	3	1	3	1	2	2	3	2	1	1	3	2	3
		1	2	1	3	3	3	1		3	2	2	3	2	3	3	3
		2	1	3	2	1	1	2	2	2	3	2	1	1	2	2	3
		2	1	3	3	1	3	1	2	2	3	2	1	1	2	2	3
TERM-III																	
	Interior Design Studio-II	1	2	1	3	3	3	1		3	2	2	3	2	3	3	3
	Furnishing Textile & Accessory	3	3	3	1	_	3	2	2	3	3	2	3	3	3	2	3
	Materials,Construction & Finishes II	1	2	1	3	3	3	1		3	2	2	3	2	3	3	3
	Digital-II	3	3	3	1	_	3	2	2	3	3	2	3	3	3	2	3
	Building Services-I	3	3	3	1	2	3	2	2	3	2	3	3	3	2	3	2
	OPE	1	2	1	3	3	3	1		3	2	2	3	2	3	3	3
	History of Architecture & Interiors-I	3	1	2	3	2	2	3	2	3	3	3	3	2	3	3	3
TERM-IV																	
	Visual Merchandising					3	1		3	2	2	3	2	3	3	3	2
	Interior Design Studio -III	3	3	3	1		3	2	2	3	2	3	3	3	2	3	2
	Materials,Construction & Finishes III	1	2	1	3	3	3	1		3	2	2	3	2	3	3	3
	Digital III	3	1	3	3	2	2	3	2	3	3	3	3	3	2	3	2

	Building Services-II	2	3	3	1		2	2	2	3	2	3	2	3	2	2	2
	History of Architecture & Interiors-II																
	OPE	1	2	1	3	3	3	1		3	2	2	3	2	3	3	3
TERM-V																	
	Fitout management	3	3	3	1		3	2	2	3	2	3	3	3	2	3	2
	Interior Design Studio -IV	1	2	1	3	3	3	1	3	3	2	2	3	2	3	3	3
	Materials,Construction & Finishes IV	3	1	2	3	2	2	3	2	3	3	3	3	3	2	3	2
	Digital IV	2	3	3	1		2	2	2	3	2	3	2	3	2	2	2
	Building Services-III	1	2	1	3	3	3	1		3	2	2	3	2	3	3	3
	DSE	2	3	3	1	2	2	2	2	3	2	3	2	3	2	2	2
TERM-VI																	
	Estimation in Interiors	3	3	3	1	1	3	2	2	3	2	3	3	3	2	3	2
	Design Sustainiblity	1	2	1	3	3	3	1		3	2	2	3	2	3	3	3
	Interior Design Studio -V	3	1	2	3	2	2	3	2	3	3	3	3	3	2	3	2
	Furniture Design-I	2	3	3	1		2	2	2	3	2	3	2	3	2	3	2
	Building Services-IV	1	2	1	3	3	3	1		3	2	2	3	2	3	3	3
	DSE	2	3	3	1		2	2	2	3	2	3	2	3	2	2	2
	Research & methdology	3	3	3	3	1	1	3	2	2	3	2	3	3	3	2	3
TERM-VII																	

	Heritage Interiors/Interior Styling/Landscape interiors	2	2	2	3	2	3	2	1	2	1	3	3		3	2	2
	Interior Design Studio -VI	3	1		3	2	2	3	2	3	3	1	_	2	3	2	3
	Furniture Design-II	2	2	2	3	2	3	2					2	2			
	Dissertation	3	3	3	3	1	2	3	2	2	3	2	3	3	3	2	3
TERM-VIII																	
	Graduation Project	3	3	3	3	1	2	3	2	2	3	2	3	3	3	3	3
	Internship (May-July)	2	3	3	1	3	2	2	2	3	2	3	2	3	2	2	2
		1	2	1	3	3	3	1	2	3	2	2	3	2	3	3	3

1. Slight (Low) ***2. Moderate (Medium)*** ***3. Substantial (High)***

SHARDA UNIVERSITY
School of Architecture and Planning/SAP

Program / Branch/Specialization: BACHELOR OF DESIGN/Interior Design

Semester/Term.: 1

Session: 2019-2023

TERM: I

S. No.	Paper Id	Subject Code	Subjects	Teaching Load			Credits	Core/Elective ,Pre-Requisite ,Co-Requisite	1.CC, 2-AECC ,3-SEC,4-DSE
				L	T	P			
JURY SUBJECTS									
1	11180	BDZ138	Basic of Design	2	2	2	6	Core	**CC**
2	11179	BDZ137	Free hand Drawing	2	2	6	10	Core	**CC**
3	11181	BDZ139	Introduction to Digital design & presentation	0	1	2	3	Co-requisite	**SEC**
4	12042	CCU302	Community Connect	0	0	2	2	Co Requsite	**DSE**
Elective CBCS									
6	11109	OPE 111	Basic Sketching	0	1	2	2		
THEORY SUBJECTS									
7	**16254**	ARP101	Communicative English-I	1	**0**	2	2	Pre requisite	AECC
8	**11182**	BDZ140	History 1- History of Art-I	2	0	0	2	Core	CC
							27		
			Total						
TERM II									
S. No.	**Paper Id**	**Subject Code**	**Subjects**	**L**	**T**	**P**	**Credits**		
JURY SUBJECTS									

		BDH101	Interior Design Studio -1	2	2	6	10	Core	CC
		BDH102	Materials,Construction & Finishes I	1	1	2	4	Core	CC
		BDH103	Digital 1	1	0	2	3	Co requisite	
4	11144	OPE216	Design Thinking	0	1	2	2	Pre requisite	
5	16342	ARP	Communicative English II	1	0	2	2	Pre requisite	AECC
THEORY SUBJECTS									
1	**11428**	BDC102	Enviornmental Science	2	0	0	2	C0 requisite	AECC
2	**11427**	BDC101	History 2- History of Art-II	2	0	0	2	Core	CC
			Total				**25**		
TERM III									
S. No.	**Paper Id**	**Subject Code**	**Subjects**	**L**	**T**	**P**	**Credits**		
JURY SUBJECTS									
		BDH214	Interior Design Studio-II	2	2	6	10	Core	**CC**
		BDH215	Furnishing Textile & Accessory	1	0	2	3	Core	**CC**
		BDH216	Materials,Construction & Finishes II	1	0	2	4		
		BDH217	Digital-II	1	1	2	4	Pre requisite	AECC
		BDH218	Building Services-I	1	0	2	3		
			OPE				2		
THEORY SUBJECTS									
			History of Architecture & Interiors-I	2	0	0	2		
			Total				**28**		
TERM IV									
S. No.	**Paper Id**	**Subject Code**	**Subjects**	**L**	**T**	**P**	**Credits**		

JURY SUBJECTS									
1			Visual Merchandising	1	0	2	3		
2		BDH220	Interior Design Studio - III	2	2	6	10	Core	**CC**
3		BDH221	Materials,Construction & Finishes III	1	1	2	4	Core	**CC**
4		BDH223	Digital III	1	1	2	4	Pre requisite	AECC
5		BDH224	Building Services-II	1	0	2	3		
			OPE				2		
THEORY SUBJECTS									
		BDH225	History of Architecture & Interiors-I	2	0	0	2		
			Total				**28**		
TERM V									
S. No.	**Paper Id**	**Subject Code**	**Subjects**	**L**	**T**	**P**	**Credits**		
JURY SUBJECTS									
			Fitout management	1	0	2	3		
1		BDH321	Interior Design Studio - IV	2	2	6	10	Core	**CC**
2		BDH322	Materials,Construction & Finishes IV	1	1	2	4	Core	**CC**
3		BDH323	Digital IV	1	1	2	4		AECC
4		BDH324	Building Services-III	1	0	2	3	Pre requisite	SEC
			DSE				2		**DSE**
THEORY SUBJECTS									
		BDH320	History of Craft & Design	2	0	0	2		
			Total				**28**		
TERM VI									
S. No.	**Paper Id**	**Subject Code**	**Subjects**	**L**	**T**	**P**	**Credits**		
JURY SUBJECTS									

		BDH328	Estimation in Interiors	1	0	2	3		SEC
		BDH330	Design Sustainability	1	0	1	2		
		BDH331	Interior Design Studio -V	2	2	8	12	Core	**CC**
		BDH332	Furniture Design-I	1	1	2	4	Core	SEC
		BDH333	Building Services-IV	1	0	2	3	Pre requisite	SEC
			DSE				2		**DSE**
THEORY SUBJECTS									
		BDH335	Research & methodology	2	0	0	2		
			Total				**28**		
TERM VII									
S. No.	**Paper Id**	**Subject Code**	**Subject**	**L**	**T**	**P**	**Credits**		
JURY SUBJECTS									
		BDH 421	Heritage Interiors/Interior Styling/Landscape interiors	1	1	2	4	Elective	DSE
		BDH 422	Interior Design Studio - VI	2	2	8	12	Core	**CC**
		BDH423	Furniture Design-II	1	1	2	4		SEC
		BDH 425	Dissertation	1	1	4	6		AECC
THEORY SUBJECTS									
			Proffessional Practice	2	0	0	2	Core	
			Total				**28**		
TERM VIII									
S. No.	**Paper Id**	**Subject Code**	**Subjects**	**L**	**T**	**P**	**Credits**		
JURY SUBJECTS									
		BDH430	Graduation Project	0	4	12	16	Core	**CC**
			Internship (May-July)	2	2	6	10	Core	
							26		

			Total Credits				**191**		

[1] CC: Core Course, AECC: Ability Enhancement Compulsory Courses, SEC: Skill Enhancement Courses, DSE: Discipline Specific Courses

SE
C

SEMESTER-I

BDZ138 Basic of Design

School: SAP		**Batch : 2020-2024**	
Program: B. Design		**Current Academic Year: 2020-21**	
Branch: Foundation		**Semester: I**	
1	**Course Code**	**BDZ138**	
2	Course Title	**Basic of Design**	
3	Credits	6	
4	Contact Hours (L-T-P)	0-2-4	
	Course Status	Compulsory	
5	Course Objective	*The program intends to introduce the followings:-* 1. Elements of Design-point, line, form (2D/3D), movement, colour, colour psychology, pattern, texture etc. 2. Design Overview and Visual Thinking, Colour theory and composition 3. Design- balance, proportion, rhythm, emphasis, unity etc. 4. Creativity in Design process. 5. Mediums of Design- textile, clay, metal, wood, glass, ceramics etc. 6. Design Process and Methods.	
6	Course Outcomes	*The student will be able to :* CO1: Comprehend the significance of line and point in a design. CO2: Visualise and reproduce visual forms by using principle of design which includes movement and space. CO3: Organize compositions using directional lines and basic geometric shapes to convey/change meaning. CO4: Apply the concept of positive and negative space to black and white designs.	

		CO5: Employ a value volume, scale and proportion in creating compositions. CO6: Will be to apply the basic tools to understand texture and lights effects.	
7	Course Description	The course aims at introducing the basic elements and principles of design and their application. It also focuses on comprehending the difference between various materials significant for visualizing and reproducing visual forms.	
8	Outline syllabus		CO Achievement
	Unit 1	**2D Composition - 3D Form Generation**	
		a) Creating Shapes from Elements : Line & Dots	CO1
		b) Converting 2D shapes into 3D space	CO2
		c) Shapes & Emotion	CO2,
	Unit 2	**Additive & Subtractive**	
		a) Additive based Exercises	CO3
		b) Subtractive based Exercises	CO6
		c) Abstract Design Exercises	CO7
	Unit 3	**Movement, Space and Time - Environment**	
		a) The Process of changing place or direction, orientation, and / or Position the visual illustration	CO3
		b) Positive and Negative space	CO3
		c) Typography & Graphics	CO3
	Unit 4	**Colour**	
		a) Colour Theory- warm & cool colours , Tint –Tone - Shades	CO6
		b) Effects of Colour in Geometrical forms	CO4,CO5
		c) Exercise based on pattern & texture using colour theory	CO4

	Unit 5	**Form Exploration in Soft Materials**			
		a) Dynamic and Spatial Forms			CO4
		b) Radial forms modifications			CO6,CO5
		c) Clustered Forms			CO4
	Mode of examination	Jury			
	Weight age Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*	• **The Non-Designers Design Book** by *Robin Williams* **Design Basic Index** by *Jim Krause*			
	Other References	• **Theory of Colours** Book by Johann Wolfgang von Goethe • **Interaction of color** Book by Josef Albers			

CO-PO	PO 1 Research bases learning	PO 2 Community Learning	PO 3 Learning Outside Classroom	PO 4 Hand Drawing	PO 5 Team player	PO 6 Design Point of View	PO 7 Global trends	PO 8 New Technology	PO 9 Business Practices	PSO1 Research & Market Trends	PSO2 History of Indian Textiles	PSO3 Futuristic Design	PSO4 Industrial Approach
CO1	3					3							
CO 2	3					3							
CO 3	3					3							
CO 4	3					3							
CO 5	3					3	1			1	1	1	1

CO 6	3					3	1			1	1	1	2

1-Slight (Low) **2-Moderate (Medium)** **3-Substantial (High)**

BDZ140- History of Art -I

School: SAP		**Batch : 2020-2024**	
Program: B.Design		**Current Academic Year: 2020-21**	
Branch: Foundation		**Semester: I**	
1	Course Code	BDZ140	
2	Course Title	**History of Art -I**	
3	Credits	2	
4	Contact Hours (L-T-P)	2-0-0	
	Course Type	Compulsory	
5	Course Objective	1 To know about the inter-relation of Human Evolution and Art. 2 To make the students understand the true meaning of Art . 3 To develop an appreciation of Art . 4 To study and understand the influence of various eras on the development of art from the classical to current modern times	
6	Course Outcomes	*The student will be able to :* CO1: Learn basic terminology and a conceptual understanding of how Art and Design are defined. CO2: Write descriptive, analytic and comparative analyses. CO3: Distinguish between Art historical periods, Renaissance through Contemporary. CO4: Develop heightened appreciation of different forms of art expression through history. CO5: Imbibe in students a sense of responsibility in creating their own opinion as designers and at the same time start getting critical about the creative changes happening around them.. CO6: Observe art in a gallery or museum setting to understand the cultural climate in which works of art were conceived and executed.	
7	Course Description	The course is intended comprises of the evolution of art and design post renaissance period to the formation of not only modern art but the modern design as well as architecture .	
8	Outline syllabus		CO Mapping
	Unit 1	**Renaissance**	**CO1,CO2**
	A	Perspective: Giotto, Masaccio, Cimabue, (gates to paradise) (Early Renaissance)	
	B	Renaissance Art: Sculptures (High Renaissance)	
	C	Renaissance Art: Painting (High Renaissance)	
	Unit 2	**Baroque and Rococo**	CO1,CO2

	A	Baroque – Caravaggio, Titian (Painting)			
	B	Baroque Architecture			
	C	Rococo Art and Architecture			
	Unit 3	**Neoclassicism ,Romanticism, Realism**			CO1,CO2,CO3,CO6
	A	Neoclassical period : Jacque - Louis -David			
	B	Romanticism-Eugene Delacroix (turner seascape , landscape)			
	C	Realism –Gustave Courbet, Goya			
	Unit 4	**Impressionism & Post Impressionism**			CO1,CO2,CO3
	A	Claude Manet, Monet, Renoir			
	B	Paul Cezanne			
	C	Van Gogh,Gaugain			
	Unit 5	**The Fauvism and Cubism**			CO3,CO4,CO6
	A	Henri Matisse			
	B	Cubism : Analytical			
	C	Cubism : Synthetic			
	Mode of examination	Theory			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
	Text book/s*	Janson's History of Art			
	Other References	Understanding Art *By Louis Fischer*			

CO-PO	PO1 Research bases learning	PO2 Community Learning	PO3 Learning Outside Classroom	PO4 Hand Drawing	PO5 Team player	PO6 Design Point of View	PO7 Global trends	PO8 New Technology	PO9 Business Practices	PSO1 Research & Market Trends	PSO2 History of Indian Textiles	PSO3 Futuristic Design	PSO4 Industrial Approach
CO1	1			1		1				3	1		2
CO2	3		1	2	1				2	3			3
CO3	3		1				1			1		1	
CO4	2		3	3	1	2	2	1		2	2	1	1
CO5	3	2	2	1	1	2	3	3	2	2	3	3	3
CO6	3	1	3	1	1		2	2	2	3	2	2	3

1-Slight (Low) **2-Moderate (Medium)** **3-Substantial (High)**

BDZ137 - Free Hand Drawing

School: SAP		**Batch : 2020-2024**	
Program: B. Design		**Current Academic Year: 2020-21**	
Branch: Foundation		**Semester: I**	
1	Course Code	**BDZ137**	
2	Course Title	**Freehand Drawing**	
3	Credits	10	
4	Contact Hours (L-T-P)	0-2-8	
	Course Status	Compulsory	
5	Course Objective	1. Demonstrate familiarity with basic drawing terms, tools, media and technique 2. Select frame and compose from reality to paper format 3. Recognise and manipulate negative / positive shapes and space with control variables 4. Perceive and utilize a full range of values for describing form, depth, structure while integrating these things into the forms surrounding space.	

6	Course Outcomes	*The Students will be able to :* CO1: Use materials common to the drawing process. CO2: Develop physical and visual skills related to the drawing process. CO3: Judge proportion, scale, and spatial relationships. CO4: Use Arial and tonal techniques to depict light and shadow. CO5: Would be able to understand human anatomy. CO6: Would be able to understand through observation, to rudimentary & formal components of figure drawing such as gesture, mass, volume, foreshortening and proportion. CO7: Refine concepts understand Drawing I and 2-D Design utilizing the figure as the primary subject.	
7	Course Description	This skills workshop is designed to explore and learn the fundamental of sketching and communicating ideas quickly and effectively. ● Line Drawing ● One point Perspective ● Two point Perspective ● Three point Perspective ● Shading Techniques ● Basic shapes and form	
8	Outline syllabus		CO Achievement
	Unit 1	**Basic Sketching**	
		a) The Sketch, Basics Drawing tools, materials, drawing size, drawing element and technique and Object Projection sketch with pencil.	CO1
		b) Drawing Construction –Negative / Framed space and Object Projection Line Drawing rendering with Grade Pencils	CO2
		c) Drawing Construction – Line and shape, Drawing Surface, Contour and One point Perspective live sketch and rendering.	CO2,
	Unit 2	**Movement, Space and Time - Environment**	

		a) Observation based drawings and sketches - Live Study	CO3
		b) Observation based Perspective drawings and sketches -with grade pencil	CO6
		c) Indoor interior drawing with 1 and 2 point Perspective.	CO7
	Unit 3	**Linear & Arial Perspective**	
		a) Drawing construction on the basis of 1 point perspective using pencils and Elevation based drawings and sketches 2D building details and elevation studies - shade and shadow using Drawing Ink / Charcoal	CO3
		b) Drawing construction on the basis of 2 point perspective using Drawing Ink / Charcoal	CO3
		c) Drawing construction on the basis of 3 and 4 point Perspective using different grade pencils	CO3
	Unit 4	**Volume and Proportion**	
		a) Drawing Interior & Exterior - technique, proportion and ratio. (Freehand and Guided) Lecture on work finishing	CO6
		b) Furniture with Natural texture - mixed media.	CO4,CO5
		c) Details Drawing of Interior (Living room, Study room & Kitchen)	CO4
	Unit 5	**Local and Tonal Values- Effects of Light**	
		a) Outdoor landscape practice to understand Perspective using water colour	CO4
		b) 3D Rendering using Grade Pencils 3 tone study (Tint, Tone & Shade)	CO6,CO7
		c) Portfolio Preparation for Final Exam	CO7
	Mode of examination	Jury	

	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*	- Anatomy and Drawing by *Victor Perard*			
	Other References	-Drawing Shortcuts by *Jim Leggett, Wiley* **- The Sketch** by *Robert S. Oliver, Van Nostrand Reinhold* **Interior Design Principles and Practice** *by M. PratapRao*			

CO -PO	PO1 Research bases learning	PO2 Community Learning	PO3 Learning Outside Classroom	PO4 Hand Drawing	PO 5 Team player	PO6 Design Point of View	PO7 Global trends	PO8 New Technology	PO9 Business Practices	PSO1 Research & Market Trends	PSO 2 History of Indian Textiles	PSO3 Futuristic Design	PSO4 Industrial Approach
CO 1				3									
CO 2			2	3		1							1
CO 3			2	3		1						1	
CO 4				3		1							
CO 5				3		1						1	
CO 6				3		1						1	

1-Slight (Low)2-Moderate (Medium)3-Substantial (High)

BDZ139 Introduction to Digital design& Presentation

School: SAP		**Batch : 2020-24**
Program: B.DESIGN		**Current Academic Year:**
Branch: FOUNDATION		**Semester: 1**
1	Course Code	**BDZ139**

2	Course Title	**Introduction of Digital Design & Presentation**	
3	Credits	2	
4	Contact Hours (L-T-P)	0-1-2	
	Course Type	Compulsory	
5	Course Objective	• Use basic selection tools and edge refinement to isolate and edit parts of an image. • Manipulate layers through ordering, positioning, scaling, rotation, and adjustments. • Prepare images for Web and print output with appropriate sizing and resolution. • Create adjustment layers for editable, non-destructive changes to image coloration and exposure. • Use preset brushes and custom brushes to colorize images, enhance images, and build illustrations. • Stylize images by combining filters with blending and masks. • Evaluate and correct image imperfections using the Info panel, adjustment layers, and retouching tools.	
6	Course Outcomes	The student will be able to : **CO1.**Identify and describe the most common word-processing features and uses in Ms Word and Using presenting and composing information using Ms PowerPoint. **CO2.**Identify and describe the most common spreadsheet features and uses in Microsoft excel. **CO3.** Demonstrate an ability to use a range of tools and filters in Illustrator & Photoshop. **CO4.** Demonstrate basic skills using Illustrator &Photoshop software and the peripherals. **CO5.** Evaluate, adjust, refine, and creatively solve visual problems.	
7	Course Description	The course enables students to develop soft skills which they can enable in various presentation methodologies. It will also help them to develop a brief understanding towards software's and thus improving their presentation skills. It will enable them to use Microsoft Word to create and edit documents, Excel to perform the mathematical and logical calculation with analytical functions, PowerPoint for presentation.	
8	Outline syllabus		CO Mapping
	Unit 1	**Productivity applications. (Ms word, Ms Excel)**	

	A	▪ General introduction to application window. ▪ Creating, saving, and opening documents. ▪ Formatting and editing pages, text, and paragraphs. ▪ Print preferences, printer properties, and printing a document.	CO1, CO2
	B	▪ General introduction to spreadsheets interface. ▪ Creating, saving, and opening spreadsheets. ▪ Using worksheets (renaming and adding worksheets).	CO1, CO2
	C	▪ Changing the look of information with spreadsheets (cell alignment, changing font face and size, adding background colour to cells and rows, inserting picture) ▪ Doing mathematics (formulas: addition, subtraction, average, logic formula, etc.)	CO1, CO2
	Unit 2	**Productivity applications (Ms Power point)**	
	A	▪ Creating, saving, and opening presentations ▪ Viewing and working with slides ▪ Building presentations (adding, moving/sorting, and duplicating slides).	CO2
	B	▪ Making slides look good (applying templates and changing colour schemes, slide layout, and background) ▪ Adding pictures and artistic effects (inserting and compressing pictures, applying borders to pictures and other objects, adding 3D effects) Adding sounds, movies, and links.	CO2
	C	▪ Setting up and playing presentations (printing presentations, setting time)	CO2
	Unit 3	**Introduction to Illustrator & Photoshop**	
	A	▪ Introduction to Photoshop & Rendering.	CO2,CO4
	B	▪ Selection processes & overview.	CO2,CO4
	C	▪ Designing using selection tools and processes.	CO2,CO4
	Unit 4	**Working with drawing, selection tools and Editing.**	
	A	▪ Using selection tools via Inverse selection Marquee tool.	CO2
	B	▪ Lasso tool and its application in various type of selection.	CO2, CO5
	C	▪ Using Magic wand and quick selection tool as an effective tool.	CO5
	Unit 5	**Postproduction and Rendering.**	

	A	▪ Rendering			CO4, CO5
	B	▪ Perspective rendering Using Image montaging.			CO4, CO5
	C	▪ Rendering Postproduction using textures.			CO4, CO5
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*	1. Fashion Designer's Handbook for Adobe Illustrator, Author- Centner, Marianne 2. Digital fashion illustration with Photoshop and Illustrator, Author- Tallon, Kevin 3. Fashion and Textile Design with Photoshop and Illustrator: Professional Creative Practice by Robert Hume, Fairchild Books, 2016			
	Other References	1. https://helpx.adobe.com/illustrator/user-guide.html 2. https://help.adobe.com/archive/en/illustrator/cs6/illustrator_reference.pdf 3. Graphics Design projects on Coroflot & Behance			

CO-PO	PO1 Research bases learning	PO2 Community Learning	PO3 Learning Outside Classroom	PO4 Hand Drawing	PO5 Team player	PO6 Design Point of View	PO7 Global trends	PO8 New Technology	PO9 Business Practices	PSO1 Research & Market Trends	PSO2 History of Indian Textiles	PSO3 Futuristic Design	PSO4 Industria Approac
CO1									1				3
CO2									1				3
CO3									1				3
CO4									1				3
CO5	2					3	1	1	3				3

1-Slight (Low) 2-Moderate (Medium) 3-Substantial (High)

CCU302- Community Connect

School: SAP		**Batch : 2020-24**
Program: B.DESIGN		**Current Academic Year:** 2020-24
Branch: FOUNDATION		**Semester: 1**
1	Course Number	CCU302
2	Course Title	Community Connect
3	Credits	2
4	(L-T-P)	(0-2-0)
	Course Type	
5	**Course Objectives**	1. The objective of assigning the project related to community work is to expose our students to different social and infrastructural issues faced by the people in different sections of society in rural areas. 2. This type of project work will help the students to develop better understanding of problems of people living in a less privileged position in the society, may be socially, medically, economically, in the built fabric or otherwise. 3. This type of live project work will help our students to connect their class-room learning with practical issues/problems in the rural setup.
6	**Course Outcomes**	*The Students will be able to :* **CO1.**Find out the factors affecting the use of Mask, Helmet and Sanitiser by consumer. **CO2.** Identifying the possible design intervention. **CO3.** Giving customized design solutions. **CO4.** Train the people for proper use of mask, helmet and sanitizer.
7	**Theme**	**Major Sub-themes for research:** a. Impact of government projects in community b. Social issues through surveys c. Environment issues through primary and secondary surveys d. Economic issues, through census and primary surveys. e. Technology-adaption f. Infrastructure Issues.
8.1	**Guidelines for Faculty Members**	It will be a group assignment. There should be not more than 8 students in each group. The faculty guide will guide the students and approve the project title and help the student in preparing the questionnaire and final report. The questionnaire should be well design and it will carry at least 20 questions (Including demographic questions). The faculty will guide the student to prepare the PPT. The topic of the research should be related to social, economical, infrastructural or environmental issues concerning the common man in a rural setup.

		The Final output shall be a report of 2,500 to 3,000 words with relevant charts, tables and photographs. The student shall**submit the report**to CCC-Coordinator signed by the faculty guide by 25 March 2019. The students have to send the hard copy of the **report and PPT**, and then only they will be allowed for ETE.
8.2	**Role of CCC-Coordinator**	UG- B. DES, Semester 1 The CCC Coordinator will supervise the whole process and assign students assignment. 1. The coordinator will teach, guide, access & evaluate students work allocated to them.
8.3	**Layout of the Report**	Abstract(250 words) a. Introduction b. Literature review(optional) c. Objective of the research d. Research Methodology e. Data Collection f. Finding and discussion g. Conclusion and recommendation h. References Note: Research report should base on primary data.
8.4	**Guideline for Report Writing**	**Title Page: The following elements must be included:** ● Title of the article; ● Name(s) and initial(s) of author(s), preferably with first names spelled out; ● Affiliation(s) of author(s); ● Name of the faculty guide and Co-guide **Abstract:** Each article is to be preceded by a succinct abstract, of up to 250 words, that highlights the objectives, methods, results, and conclusions of the paper. **Text:Manuscripts should be submitted in Word.** ● Use a normal, plain font (e.g., 12-point Times Roman) for text. ● Use italics for emphasis. ● *Use the automatic page numbering function to number the pages.* ● *Save your file in docx format* (Word 2007 or higher) or doc format (older Word versions) **Reference list:** The list of references should only include works that are cited in the text and that have been published or accepted for publication. The entries in the list should be in alphabetical order. Journal article Hamburger, C.: Quasimonotonicity, regularity and duality for nonlinear systems of partial differential equations. Ann. Mat. Pura Appl. 169, 321–354 (1995)

		Article by DOI Sajti, C.L., Georgio, S., Khodorkovsky, V., Marine, W.: New nanohybrid materials for biophotonics. Appl. Phys. A (2007). doi:10.1007/s00339-007-4137-z Book Geddes, K.O., Czapor, S.R., Labahn, G.: Algorithms for Computer Algebra. Kluwer, Boston (1992) Book chapter Broy, M.: Software engineering — from auxiliary to key technologies. In: Broy, M., Denert, E. (eds.) Software Pioneers, pp. 10–13. Springer, Heidelberg (2002) Online document Cartwright, J.: Big stars have weather too. IOP Publishing PhysicsWeb. http://physicsweb.org/articles/news/11/6/16/1 (2007). Accessed 26 June 2007 Always use the standard abbreviation of a journal's name according to the ISSN List of Title Word Abbreviations, see www.issn.org/2-22661-LTWA-online.php For authors using EndNote, Springer provides an output style that supports the formatting of in-text citations and reference list. EndNote style (zip, 2 kB) **Tables:All tables are to be numbered using Arabic numerals.** **Figure Numbering:All figures are to be numbered using Arabic numerals**.
8.5	**Format:**	**The report should be Spiral/ hardbound** The Design of the Cover page to report will be given by the Coordinator- CCC Coverpage Acknowledgement Content Project report Appendices
8.6	**Important Dates:**	Students should prepare questionnaire and get it approved by concern faculty member and submit the final questionnaire within---------- to CCC- Coordinator. Students will complete their survey work within--------- and submit the same to concern faculty member. (Each group should complete 50 questionnaires) The student should show the 1st draft of the report to concern faculty member within 5th March 2019 and submit the same to concern faculty member. Faculty members should give required inputs, so that students can improve their project work and make the final report submission on ----------. The students should submit the hard copy and soft copy of the report to CCC-Coordinator signed by the faculty guide within ----------. **The students should submit the soft copy of the PPT to CCC-Coordinator signed by the faculty guide within ----------.** **The final presentation will be organised on ----------.**
8.7	**ETE**	**The students will be evaluated by panel of faculty members on the basis of their presentation on --------Nov 2019.**

9	**Course Evaluation**

9.01	**Continuous Assessment**	**50%**
	Questionnaire design& Discusssion	**10 Marks**
	PPT Presentation on data and survey	**20 Marks**
	Report Writing	**20 Marks**
9.02	**ETE(PPT presentation& Report)**	**50%**

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	3	1	3	-	1	-	-	2	-	-	1
CO2	2	3	3	2	3	-	1	-	-	2	-	-	1
CO3	2	3	2	1	1	-	1	-	-	2	-	-	1
CO4	2	3	3	1	3	-	1	-	-	2	-	-	1

ARP 101-Communicative English-I

School: SAP **Program: B.DESIGN** **Branch:FOUNDATION**		**Batch : 2020-24** **Current Academic Year:** **Semester: 1**
1	Course Code	**ARP101**
2	Course Title	Communicative English-1
3	Credits	2
4	Contact Hours(L-T-P)	1-0-2
5	Course Objective	To minimize the linguistic barriers that emerge invaried socio-linguistic environments through the use of English. Help students to understand different accents and standardise their existing English. Guide the students to hone the basic communication skills - listening, speaking, reading and writing while also uplifting their perception of themselves, giving them self-confidence and building positive attitude.
6	Course Outcomes	The students will be able : CO1: Learn to use correct sentence structure and punctuation as well as different parts of speech. Learning new words its application and usage in different contexts helpful in building meaning conversations and written drafts. Develop over all comprehension ability, interpret it and describe it in writing. Very useful in real life situations and scenarios. CO2: recognition of one's self and abilities through language learning and personality development training leading up to greater employability chances. Learn to express oneself through writing while also developing positive perception of self. To be able to speak confidently in English. CO3: To empower them to capitalise on strengths, overcome weaknesses, exploit opportunities, and counter threats. To ingrain the spirit of Positive attitude in students through a full length feature film followed by

		a storyboarding activity. Create a Self Brand, identity and self esteem through various interesting and engaging classroom activity CO4: Exposing students to simulataions and situations wherein students learn to describe people and situations and handle such situations effectively and with ease. Teaching students how to engage in meaningful dialogues and active conversational abilities to navigate through challenging situations in life and make effective conversations. Learn how to transform adverse beginnings into positive endings – through writing activities like story completion	
7	Course Description	The course is designed to equip students, who are at a very basic level of language comprehension, to communicate and work with ease in varied workplace environment. The course begins with basic grammar structure and pronunciation patterns, leading up to apprehension of oneself through written and verbal expression as a first step towards greater employability.	
8	Outline syllabus – ARP 201		
	Unit A	**Sentence Structure**	**CO Mapping**
	Topic 1	Subject Verb Agreement	CO1
	Topic2	Parts of speech	
	Topic3	Writing well-formed sentences	
	Unit B	**Vocabulary Building & Punctuation**	
	Topic 1	Homonyms/ homophones, Synonyms/Antonyms	CO2
	Topic2	Punctuation/ Spellings (Prefixes-suffixes/Unjumbled Words)	CO1, CO2
	Topic3	Conjunctions/Compound Sentences	CO1, CO2
	Unit C	**Writing Skills**	
	Topic 1	Picture Description – Student Group Activity	CO3
	Topic2	Positive Thinking - Dead Poets Society-Full-length feature film - Paragraph Writing inculcating the positive attitude of a learner through the movie | SWOT Analysis – Know yourself	CO8, CO5, CO7
	Topic3	Story Completion Exercise –Building positive attitude - The Man from Earth (Watching a Full length Feature Film)	CO5, CO9, CO12

	Unit D	**Speaking Skill**	
	Topic 1	Self-introduction/Greeting/Meeting people – Self branding	CO6, CO9
	Topic2	Describing people and situations - To Sir With Love (Watching a Full length Feature Film)	CO9, CO10
	Topic3	Dialogues/conversations (Situation based Role Plays)	CO6, CO10, CO11
9	Evaluations	*Class Assignments/Free Speech Exercises / JAM Group Presentations/Problem Solving Scenarios/GD/Simulations (60% CA and 40% ETE*	*N/A*
10	Texts & References | Library Links	• Blum, M. Rosen. *How to Build Better Vocabulary*. London: Bloomsbury Publication • Comfort, Jeremy(et.al). *Speaking Effectively*. Cambridge University Press	

CO -PO	PO1 Research bases learning	PO2 Community Learning	PO3 Learning Outside Classroom	PO4 Hand Drawing	PO5 Team player	PO6 Design Point of View	PO7 Global trends	PO8 New Technology	PO9 Business Practices	PSO1 Research & Market Trends	PSO2 History of Indian Textiles	PSO3 Futuristic Design	PSO4 Industria Approac
CO 1	3	2				2			3	2			
CO 2	2	2				2			2	2			
CO 3		2				2				2			
CO 4		2		3	3	2				2		3	3
CO 5	2	2				2			2	2			
CO 6		2				2				2			
CO 7		2		3	3	2				2		3	3

1-Slight (Low) **2-Moderate (Medium)** **3-Substantial (High)**

School: SAP **Batch : 2019-23**
Program: **Current Academic Year: 2019**
B.DESIGN
Branch: **Semester: II**
INTERIOR DESIGN

1	Course Code	**BDH103**
2	Course Title	**Digital-I**
3	Credits	3
4	Contact Hours (L-T-P)	1-0-2
	Course Type	Compulsory.
5	Course Objective	The objective of the **AutoCAD** Fundamentals course is to enable students to create a basic 2D drawing in the software. Even at this fundamental level, the software is one of the most sophisticated computer applications that you are likely to encounter.
6	Course Outcomes	The student will be able to : **CO1.** Demonstrate basic skills using AutoCAD software and the peripherals. **CO2.** Demonstrate an ability to use a range of tools in AutoCAD. **CO3.** Demonstrate an ability to plot drawing on scale by using plotting space. **CO4.** Creatively solve visual problems and generate detail drawings. **CO5.** Evaluate, adjust, refine, and rework solutions.
7	Course Description	The course enables students to get a brief knowledge about the most widely used commands in DESIGN AND DRAFTING.
8	Outline syllabus	CO Mapping

Unit 1 **Getting Started with AutoCAD**

A	• Taking the AutoCAD Tour • Navigating the Working Environment • Working with Files • Displaying Objects	CO1,CO2
B	• Creating Basic Drawings • Inputting Data • Creating Basic Objects • Using Object Snaps • Using Polar Tracking and PolarSnap	CO2
C	• Manipulating Objects	

	• Selecting Objects in the Drawing • Changing an Object's Position • Creating New Objects from Existing Objects • Changing the Angle of an Object's Position	
Unit 2	**Basic Drawing & Editing Commands**	
A	• Drawing Organisation & Inquiry Commands • Using Layers • Changing Object Properties	CO2,CO1
B	• Matching Object Properties • Using the Properties Palette • Using Linetypes	CO1,CO3
C	• Altering Objects • Trimming & extending Objects to defined boundaries • Creating parallel & offset geometry • Joining objects • Breaking an object into two objects.	CO3
Unit 3	**Drawing Precision in AutoCAD**	
A	• Using running object snaps • Polar tracking at angles. • Using object Snap overdrives.	CO1,CO4
B	• Applying a Radius Corner to Two Objects • Creating an angled corner between two objects • Changing part of an object's shape • Annotating the Drawing	CO4,CO2
C	• Creating New Objects from Existing Objects • Changing the Angle of an Object's Position • Creating a Mirror Image of Existing Objects • Creating Object Patterns • Changing an Object's Size	CO3
Unit 4	**Advanced Object Type**	
A	• Altering Objects • Trimming & extending Objects to defined boundaries • Creating parallel & offset geometry • Joining objects	CO3
B	• Dimensioning • Creating Dimensions • Using Dimension Styles • Editing Dimensions	CO2,CO5

	• Using Multileaders • Creating Additional Drawing Objects	
C	• Working with Polylines • Creating Splines • Creating Ellipses • Using Tables	CO1,CO3,CO4
Unit 5	**Projects- Creating More Complex Objects** **Setting Up a Layout**	
A	• Printing Concepts • Working in Layouts • Copying Layouts	CO5
B	• Creating Viewports • Guidelines for Layouts	CO1,CO2,CO3
C	• Printing Layouts • Printing from the Model Tab	CO5

Mode of examination	Jury/Practical/Viva		
Weightage Distribution	CA 60%	MTE 0%	ETE 40%
Text book/s*			
Other References			

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	2	2	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	1	1	1	1	2	3
CO3	1	2	3	1	1	2	3	1	1	2	3	1	2
CO4	2	1	2	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	3	3	2	1	1	2	3	1	2
CO6													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		Batch : 2019 -22	
Program: B.Design		Current Academic Year: 2019 - 20	
Branch:Common		Semester: II	
1	Course Code	BDC102	
2	Course Title	Environmental Science	
3	Credits	3	
4	Contact Hours (L-T-P)	30 hrs. (2-0-0)	
	Course Type	Compulsory	
5	Course Objective	1. Identify and understand basic aspects, practices and terminology related to environment. 2. The aim of the course is to develop an understanding among students about environmental studies and its implications in design. 3. Developing an attitude of concern for the environment. 4. Emphasise the importance of sustainable development .	
6	Course Outcomes	CO1. Students will be able to identify the human activities and manufacturing processes affecting environment and design. CO2 Students will develop awareness about environmental problems among people. CO3 Demonstrate competency in developing environment friendly designs in their specific fields. CO4. Students will start demonstrating an ability to integrate the many design disciplines intersect with environmental concerns.	
7	Course Description	Environmental studies are the scientific study of the environmental system and the status of its inherent or induced changes on organisms. It includes not only the study of physical and biological characters of the environment but also the social and cultural factors and the impact of man on environment.	
8	Outline syllabus		CO Mapping
	Unit 1	Introduction to Environment & Ecology	CO1,CO2,CO3
	A	Environmental pollution and its types	
	B	Effect of human population and natural resources over design.	
	C	Introduction -Manufacturing processes and its effects over environment	
	Unit 2	Introduction to ecological design	CO1,CO2,CO3
	A	Ecological design process	
	B	Make nature visible through design	

	C	Natural products			
	Unit 3	**3Rs – Reduce, Reuse, Recycle**			CO2,CO3,CO4
	A	Renewable energy sources			
	B	Recycled products			
	C	Waste management			
	Unit 4	**Code of Conduct and Role of Agencies**			
	A	Introduction to Code of conduct			
	B	Governing and Regulatory bodies for Environment			
	C	Role of Designers in their respective work areas.			
	Unit 5	**Sustainable Classroom Project**			
	A	Case study and its new proposal.			CO1,CO2,CO3,CO4
	B	Research – Market and Virtual			
	C	Modeling and documentation			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	2	2	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	1	1	1	1	2	3
CO3	1	2	3	1	1	2	3	1	1	2	3	1	2
CO4	2	1	2	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	3	3	2	1	1	2	3	1	2
CO6													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019 -23**	
Program: B.Design		**Current Academic Year: 2019-20**	
Branch:Common		**Semester: II**	
1	Course Code	BDC 101	
2	Course Title	History of Art II	
3	Credits	2	
4	Contact Hours (L-T-P)	30 Hrs (2-0-0)	
	Course Type	Compulsory	
5	Course Objective	1 To know about the inter-relation of Human Evolution and Art. 2 To make the students understand the true meaning of Art. 3 To develop an appreciation of Art. 4 To study and understand the influence of various eras on the development of art from the classical to current modern times.	
6	Course Outcomes	**CO1** Learn basic terminology and a conceptual understanding of how Art and Design are defined. **CO2** Write descriptive, analytic and comparative analyses. **CO3** Distinguish between Art historical periods, Renaissance through Contemporary. **CO4** Develop heightened appreciation of different forms of art expression through history. **CO5** Imbibe in students a sense of responsibility in creating their own opinion as designers and at the same time start getting critical about the creative changes happening around them.. **CO6** Observe art in a gallery or museum setting to understand the cultural climate in which works of art were conceived and executed.	
7	Course Description	The course is intended comprises of the evolution of art and design post renaissance period to the formation of not only modern art but the modern design as well as architecture .	
8	Outline syllabus		CO Mapping
	Unit 1	**Symbolism, Art Nouveau and German Expressionism**	**CO1,CO2**
	A	Gustave Moreau, Odilon Redon	
	B	Alphonse Mucha Edvard Munch,	
	C	Emil Nolde and Gustav Klimt	
	Unit 2	**Birth of Abstract Art and Abstract Expressionism**	CO1,CO2
	A	Wassily Kandinsky Kasimir Malevich, Constantin Brancusi	
	B	Piet Mondrian and Jackson Pollock	
	C	Abstract Sculptures	

	Unit 3	**Constructivism, Dadaism and Surrealism**			CO1,CO2,CO3,CO6
	A	Naum Gabo and Alexander Rodchenko			
	B	Marcel Duchamp and Man Ray			
	C	Max Ernst, Joan Miro, Salvador Dali, Rene Magritte			
	Unit 4	**Bauhaus to Conceptual Art**			CO1,CO2,CO3
	A	Bauhaus, Maxican Art (Frida Kahlo) and Avant Garde (Henry Moore)			
	B	Minimal Art, Pop Art, Op and Kinetic Art			
	C	Assemblage, Junk, Land Art and Conceptual Art			
	Unit 5	**Contemporary**			CO3,CO4,CO6
	A	Superrealism, Feminism, Neo-Expressionism and Graffiti.			
	B	New Media Art			
	C	Contemporary and Experimental Art			
	Mode of examination	Theory			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	2	2	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	1	1	1	1	2	3
CO3	1	2	3	1	1	2	3	1	1	2	3	1	2
CO4	2	1	2	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	3	3	2	1	1	2	3	1	2
CO6													

1-Slight (Low)
2-Moderate (Medium)

3-Substantial (High)

School: SAP		**Batch : 2019-2023**	
Program: B.Des		**Current Academic Year: 2019-2020**	
Branch:Interior Design		**Semester: II**	
1	Course Code	BDH101	
2	Course Title	Interior Design Studio-I	
3	Credits	10	
4	Contact Hours (L-T-P)	0-4-6	
	Course Status	Compulsory	
5	**Course Objective**	1-This course cultivates the ability to develop creative abstract design thinking and translate it into the three-dimensional composition of space and form with a system of formal Interior ordering. 2-The course cultivates design process tools such as diagramming, drawing, and model making through a series of design explorations including abstract ideation, physical embodiment, architectural composition, and precedent analysis exercises. 3-To learn Anthropometry and user circulation in any given set of environment. 4-To analyse the nature of various activities in any given plan and enhance the optimum use as well as enhance the aesthetics of the given space.	
6	**Course Outcomes**	CO1:Students should be able to analyse a particular architectural or interior space ,reconstruct and redesign it. CO2:Students should develop basic understanding of space dynamics with respect to anthropometric. CO3:Develop an understanding of various tools, techniques and software for 2D drafting. CO4:Students will develop the skills of understanding resolving and designing interior projects of the range 500-1000 sft.	
7	**Course Description**	Course contents deals with developing certain skill sets imperative to Basic Designing with aid of software's and emphasis on different key areas appropriate to that particular level of understanding. This is done through studio projects of certain functionality in a particular area range conducive to the particular level of understanding. At this level the objectives and outcomes are as detailed above.	
8	Outline syllabus		
	Unit 1	Introduction to the elements of interiors	CO1,CO2
		Basics of Interior Design	

		Ergonomics & Anthropometry			
		Introduction to a project			
	Unit 2	Literature & Case Study			CO1,CO2,CO3
		Pre-design Study – Case study - Space study			
		Pre-design study – Literature study ,Site Analysis			
	Unit 3	Concept Development			CO1,CO2,CO3,CO4
		Concept Formulation and Idea Investigation			
		Preparation of Design requirements-Redesign of existing space.			
		Concept formulation ,Bubble diagram and activity zoning			
	Unit 4	Design development			CO1,CO2,CO3
		Interior design development			
		Development of interior settings in a provide space.			
		Plan and Elevation of the various components of Interior and furniture's			
	Unit 5	Design Presentation			CO1,CO2,CO3,CO4
		Design Sheets presentation			
		Model making on appropriate scale			
		Final portfolio Submission			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*	-			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	2	2	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	1	1	1	1	2	3
CO3	1	2	3	1	1	2	3	1	1	2	3	1	2
CO4	2	1	2	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	3	3	2	1	1	2	3	1	2
CO6													

School: SCADMS		**Batch :2019-23**
Program: B.Design		**Current Academic Year: 2019-20**
Branch:Interior Design		**Semester:III**
1	Course Code	BDH211
2	Course Title	Materials, Techniques & Finishes I
3	Credits	3
4	Contact Hours (L-T-P)	1-2-0
	Course Type	Compulsory
5	Course Objective	Course is designed to familiarize students to work with advanced materials which are used in the field of interior design quite extensively.
6	Course Outcomes	After completion of this course, student will able to: CO1-Understanding the nature of material, properties and behaviour along with the practical applications and specifications CO2: Make students aware of different sizes and types of material coming from the factories. Difference in the materials with respect to need and applications. CO3: Understand the handling of materials like different types of boards, laminates and introduced them with different hardware's and installations process CO4: Understand and complications of flooring design and installation CO5: Understand the installation procedures of various false ceiling designs
7	Course Description	This will include the applications of different materials along with specifications and joinery used in the industry. It will also make them understand various elements which contribute to Interior design like ceiling, hardware and flooring systems in Detail.
8	Outline syllabus	CO Mapping
	Unit 1	**Introduction to various types of materials boards, laminates** CO1,CO2
	1	Source of material, manufacturing process etc.
	2	Understanding the physical properties, appearance, standard dimensions available etc.
	3	Process of fixing

Unit 2	**Celling**	CO1,CO2, CO4
1	Various products and by-products of the material	
2	Various finishes, textures and necessary hardware	
3	Drawing of details and sections	
Unit 3	**Types of wood**	CO2,CO3, CO5
1	Classification based on properties, usability etc.	
2	Different types of uses	
3	Specialized techniques and details	
Unit 4	Types of hardware	
1	Market research	
2	**Material board of different hard wares**	
3	Fixing of hard wares	
Unit 5	**Finishes**	CO2,CO4
1	Types of finishes in interiors	
2	Process of finishes	
3	Samples of different finishes	

Mode of examination	Jury		
Weightage Distribution	CA	MTE	ETE
	60%	0	40%

Text book/s*

- Interior Design Illustrated BY: Francis D. K. Ching (Author)
- The Interior Design Handbook BY: Frida Ramstedt (Author)
- The Interior Design Reference & Specification Book updated & revised: Everything Interior Designers Need to Know Every Day BY: Chris Grimley (Author)

Interior Detailing: Concept to Construction 1st Edition BY: David Kent Ballast (Author)

Other References

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10				PSO2	PSO3	PSO4
CO1	2	1	2	2	2	1	1	1	1	2				1	2	2
CO2	3	1	1	2	1	1	2	1	1	1				1	2	3
CO3	1	2	3	1	1	2	3	1	1	1				3	1	2
CO4	2	1	2	2	1	1	1	2	3	1				1	2	2

CO5	2	1	1	2	3	3	2	1	1	2				3	1	2
CO6																

School: SAP		**Batch : 2019-2023**	
Program: B.Design		**Academic Year: 2019-2023**	
Branch:Interior Design		**Semester: III**	
1	Course Code		
2	Course Title	Building Services-I(Lighting Design-I)	
3	Credits	3	
4	Contact Hours (L-T-P)	45 Hrs. (1-0-2)	
	Course Status	Compulsory	
5	Course Objective	1. Basics of Light , the types of lights and their c 2. Terminologies of Lighting. 3. Basics of electricity and electrical distribution systems. 4. Understand the relation of lighting with the Human anthropometry. 4. Case studies for the students to make them understand the concept of lighting design ,selection of and placement of luminaries . 5. Understanding the terminologies of light such as CRI, intensity, glare, Colour Temperature and there effects.	
6	Course Outcomes	The student will be able to learn CO1: Use of Natural light in interiors CO2: Understanding Lighting and its effects on a person`s Psychology. CO3: Lighting terminology, laws and calculation CO4: Sources of light – artificial and natural. CO5: Lighting techniques - Ambient lighting, functional lighting and highlighting. CO6: Evaluating the issues of lighting in a particular space.	
7	Course Description	It is intended to make the students understand the basic principles of Lighting Design and Practice of Interior Lighting. This course also allows the students to learn about the classification of different types of lights and their properties. Moreover they will study the various case studies on light planning for basic interior spaces like drawing Room, Kitchen, Bedroom and also for the basic layout of small offices.	
8	Outline syllabus		CO Mapping
	Unit 1	**Basic theory of light and its significance .**	
	A	Fundamentals of properties of light	CO1, CO2,CO4
	B	Introduction of the history of architectural lighting	
	C	Daylighting & Artificial light	
	Unit 2	**Terminologies of lighting along with the types of lights and their**	
	A	General/Ambient,Task ,Accent lighting	CO1, CO3
	B	Types of light sources	

	C	Luminous intensity,Flux,Illuminance,Luminance,Exposure			
	Unit 3	**Light, its distribution ,Perceptual Lighting and its emotional effect**			
	A	Distribution of light			
	B	Psychological Significance of light			
	C	Lighting layouts			
	Unit 4	**Basic Lighting Calculations and layers of light**			CO1, CO3
	A	Fundamental formula within a given area			
	B	Introduction to layers			
	C	Combination Lights			
	Unit 5	**Introduction to Reflective Electric Plan & Simple Case studies on Electrical Planning**			CO1,CO2 CO3,CO4
	A	Symbols and representation of reflective electrical Plan			
	B	Lighting Case studies - kitchen,bathroom			
	C	Lighting Case studies – basic residential plans			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*	ERCO Handbook of Lighting Design, Light Design Basics –Mark Karlen,Time-Saver Standards of Interior Design & Space planning-Joseph de Chaira			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	1	1	2	2	2	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	2	1	1	1	2	3
CO3	1	2	3	3	3	2	3	1	1	2	3	1	1
CO4	2	1	2	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	3	3	2	1	1	2	3	1	2

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019-23**	
Program: B.DESIGN		**Current Academic Year: 2020-21**	
Branch: INTERIOR DESIGN		**Semester: III**	
1	Course Code		
2	Course Title	**Digital-II**	
3	Credits	4	
4	Contact Hours (L-T-P)	1-1-2	
	Course Type	Compulsory.	
5	Course Objective	The objective of Course includes learning advanced Auto-cad and Sketchup 3d.	
6	Course Outcomes	The student will be able to : **CO1.** Demonstrate advanced skills using AutoCAD software and the peripherals. **CO2.** Demonstrate an ability to use a range of tools in AutoCAD and Sketchup. **CO3.** Using Sketchup for 3d modelling . **CO4.** Creatively solve visual problems and generate detail renderings. **CO5.** Learning to generate effective Presentation Drawing Using photoshop.	
7	Course Description	The course enables students to get a brief knowledge about the most widely used commands in DESIGN AND DRAFTING.	
8	Outline syllabus		CO Mapping
	Unit 1	**AutoCAD Overview**	
	A	Revising basic tools and commands.	CO1,CO2
	B	Learning basic file exporting and saving.	CO2
	C	Introduction to working Drawings.	
	Unit 2	**Autocad 3D**	
	A	Working with UCS .	CO2,CO1
	B	Viewport and 3d Commands.	CO1,CO3
	C	Rendering	CO3
	Unit 3	**Introduction to Sketch up**	
	A	Getting familiar with Basic and Advanced toolbar.	CO1,CO4
	B	Importing cad file for 3d.	CO4,CO2
	C	Working with materials.	CO3
	Unit 4	**Advanced Commands and processes.**	
	A	Generating sections and Elevations.	CO3
	B	Working with scene settings and camera.	CO2,CO5
	C	Material application and customization.	CO1,CO3,CO4
	Unit 5	**Rendering & Postproduction**	
	A	Export settings and adjustments.	CO5
	B	Setting viewports.	CO1,CO2,CO3
	C	Using rendering styles.	CO5

	Mode of examination	Jury/Practical/Viva			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	2	2	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	1	1	1	1	2	3
CO3	1	2	3	1	1	2	3	1	1	2	3	1	2
CO4	2	1	2	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	3	3	2	1	1	2	3	1	2
CO6													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019-2023**	
Program: B.Design		**Academic Year: 2019-20**	
Branch:Interior Design		**Semester: III**	
1	Course Code		
2	Course Title	Furniture Textile & Accessory	
3	Credits	3	
4	Contact Hours (L-T-P)	30 Hrs. (1-0-2)	
	Course Status	Compulsory	
5	Course Objective	1. This course has been introduced to make the interior Design students familiar of the textiles incorporated in Home Decor and furnishings. 2. To understand the properties of the various fabrics as per the environment and climatic conditions in a given interior space. 3. To learn the possibilities of using textiles while combining with different categories of furniture. 4. Introduce the sustainable textile materials.	
6	Course Outcomes	CO1: To understand and classify various textile material on the basis of need of the project. CO : To understand about textile material color, durability ,absorption properties and Haptic properties CO3: To develop the practical understanding of textile material used in interior and as upholstery.	
7	Course Description		
8	Outline syllabus		CO Mapping
	Unit 1	Theory of Textiles	
	A	Cultural background of Interior textiles	CO1, CO2,CO4
	B	Classification of interior textiles and their properties	
	C		
	Unit 2	Market Research	
	A	Textiles used in various activity domain of Interiors	CO1, CO3
	B	Brief understanding of the textile technology	
	C		
	Unit 3	Textiles for Upholstered furniture & furniture accessories	
	A	Types of textile materials for Furniture	
	B	Analysis of textile Durability, Color fastness & its integration	
	C		
	Unit 4	Research analysis of various textiles sourced from Market	CO1, CO3
	A	Data collection	
	B	Data analysis	
	C		
	Unit 5	Final Presentation of Researched Textile library	CO1,CO2 CO3,CO4
	A	Classification of textile	
	B		
	C		
	Mode of examination	Jury	

Weightage Distribution	CA 60%	MTE 0%	ETE 40%
Text book/s*			
Other References			

POs / COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	1	2	1	2	3	1	1	3	3	2	3	2
CO2	-	3	3	1	2	-	2	2	-	3	1	2	1
CO3	2	2	2	-	2	3	1	2	3	2	3	2	3
CO4	3	3	1	2	-	2	2	-	1	1	2	1	2
CO5													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019-23**	
Program: B.DESIGN		**Current Academic Year: 2019**	
Branch: INTERIOR		**Semester: III**	
1	Course Code	**BDC213**	
2	Course Title	**History of Architecture & Interiors-I**	
3	Credits	2	
4	Contact Hours (L-T-P)	2-0-0	
	Course Type	Compulsory	
5	Course Objective	• This course offers a comprehensive and concise compendium of the history of Architecture and interiors of the notable buildings/ reminiscent from antiquity to present with reference to interiors as a social art, responsive to historical and cultural influences. • Design theories and philosophies are explored in reference to their influence on interiors along with the complexity and intricacies of the sensory relationship of humans with interior space over time.	
6	Course Outcomes	1. Learn history to understand and know the evolution of architecture in various periods and the relevance in the context with interior design. 2. Understand interiors as a social art, responsive to historical and cultural influences 3. Explore design theories and philosophies in reference to their influence on interiors 4. Understand the complexity and intricacies of the sensory relationship of humans with interior space	
7	Course Description	The student will be able to understand the civilizations, culture and art movements of below: **CO1.** Egyptian, Mesopotamian, Aegean **CO2.** Greek, Romans, Indus Valley Civilisation **CO3.** Aryan Civilisation, Buddhist cultures, Jain cultures **CO4.** Byzantine, Baroque, Neoclassicism, Renaissance **CO5.** Discussion about the Prominent Buildings, planning aspects and their Interior Design scheme.	
8	Outline syllabus		CO Mapping
	Unit 1	**Civilisations**	
	A	Egyptian	CO1
	B	Mesopotamian	CO1
	C	Aegean	CO1
	Unit 2	**Civilisations**	
	A	Greek,	CO2

	B	Romans			CO2
	C	Indus Valley			CO2
	Unit 3	**Civilisations and Cultures**			
	A	Aryan Civilisation			CO3
	B	Buddhist culture			CO3
	C	Jain culture			CO3
	Unit 4	**Architecture Movement**			
	A	Byzantine			CO4
	B	Baroque			CO4
	C	Neoclassicism, Renaissance			CO4
	Unit 5	**Discussion:**			
	A	Group Presentation (Egyptian, Mesopotamian, Aegean, Greek, Romans, Indus Valley Civilisation Building design Architecture and their interior design Scheme)			CO5
	B	Group Presentation (Aryan Civilisation, Buddhist cultures, Jain cultures Building design Architecture and their interior design Scheme)			CO5
	C	Group Presentation (Byzantine, Baroque, Neoclassicism, Renaissance Building design Architecture and their interior design Scheme)			CO5
	Mode of examination	Theory/Jury/Practical/Viva			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

c	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	2	1	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	1	1	1	1	2	3
CO3	1	2	3	1	1	1	3	1	1	1	1	1	2
CO4	2	1	1	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	2	1	2	1	1	2	1	1	2
CO6	1	1	1	2	2	1	1	1	2	2	1	1	3

School: SAP		**Batch : 2019-2023**	
Program: B.Des		**Current Academic Year: 2019-20**	
Branch:		**Semester: III**	
1	Course Code		
2	Course Title	Interior Design Studio -II	
3	Credits	10	
4	Contact Hours (L-P-S)	0-2-6	
	Course Status	Compulsory	
5	Course Objective	• To be able to understand various design process • To expose students to different works of renowned interior Designers and Interior Spaces • To enable students to formally apply methods of design, spatial analysis and form generation to a small scale project with constraints of site and context.	
6	Course Outcomes	**CO1**: Students will be equipped to methods of model making, drawings and design presentations. **CO2:** Students will be exposed to the works of renowned Interior Designers and identify various design processes, methods and means deployed to achieve spatial organization. **CO3:** Students will be enabled to apply spatial configuration to different type and scale of projects	
7	Course Description	The studio is designed to expose students to different works of Interior Designers and architects and introduce them to methods of case studies. The studio would guide students to formally understand and arrive at a design solution to a given problem through architectural methods of model making, drawings and design presentations.	
8	Outline syllabus		CO Achievement
	Unit 1	CASE STUDY	
		a) Exercises to understand space transformation and anthropometry b) visual composition and spatial relations c) Understanding interior elements and Materials	CO1, CO2
		a.	CO1, CO2
	Unit 2	DOCUMENTATION	
		b. Interpretation of design methods and concept. c. Drawings & Documents d. Context manipulation	CO1
	Unit 3	ANALYSIS	
		Design Exercise to expose studio to:	CO1, CO3

		e. Design process f. circulation g. space relation			
	Unit 5	DESIGN RESEPONSE			
		a) Formal application of methods learnt through the preparatory exercises. b) Arriving at design solutions through physical models, drawings and supportive document			CO1, CO3
	Unit 4	REVERSE ENGINEER A PROJECT			
		a) Study of renowned interior space though open models b) Reverse design analysis and criticism Jury			
	Weightage Distribution	CA	MTE	ETE	
		50%	0%	50%	
	Text book/s*	Operative Design- A catalogue of spatial Verbs, Di Mari Yoo			
	Other References				

c	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	2	1	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	1	1	1	1	2	3
CO3	1	2	3	1	1	1	3	1	1	1	1	1	2
CO4	2	1	1	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	2	1	2	1	1	2	1	1	2
CO6	1	1	1	2	2	1	1	1	2	2	1	1	3

School: SAP		**Batch :2019-2023**	
Program: B.Design		**Academic Year: 2020-2021**	
Branch:Interior Design		**Semester: III**	
1	Course Code		
2	Course Title	Building Services-I(Lighting Design-I)	
3	Credits	3	
4	Contact Hours (L-T-P)	45 Hrs. (0-1-2)	
	Course Status	Compulsory	
5	Course Objective	1. Basics of Light , the types of lights and their classificatins. 2. Terminologies of Lighting. 3. Basics of electricity and electrical distribution systems. 4. Understand the relation of lighting with the Human anthropometry. 4. Case studies for the students to make them understand the concept of lighting design ,selection of and placement of luminaries . 5. Understanding the terminologies of light such as CRI, intensity, glare, Colour Temperature and there effects.	
6	Course Outcomes	After the completion of this course, student will be able to: CO1: Make appropriate use of Natural light in interiors CO2: Understand Lighting and its effects on a person`s Psychology. CO3: Lighting terminology, laws and calculation CO4: Sources of light – artificial and natural. CO5: Lighting techniques - Ambient lighting, functional lighting, task lighting and highlighting. CO6: Evaluating the issues of lighting in a particular space.	
7	Course Description	It is intended to make the students understand the basic principles of Lighting Design and Practice of Interior Lighting. This course also allows the students to learn about the classification of different types of lights and their properties. Moreover they will study the various case studies on light planning for basic interior spaces like drawing Room, Kitchen, Bedroom and also for the basic layout of small offices.	
8	Outline syllabus		CO Mapping
	Unit 1	**Basic theory of light and its significance .**	
	A	Fundamentals of properties of light	CO1, CO2,CO4
	B	Introduction of the history of architectural lighting	
	C	Daylighting & Artificial light	
	Unit 2	**Terminologies of lighting along with the types of lights and their**	

	A	General/Ambient, Task ,Accent lighting			CO1, CO3, CO5
	B	Types of light sources			
	C	Luminous intensity, Flux, Illuminance, Luminance, Exposure			
	Unit 3	**Light, its distribution ,Perceptual Lighting and its emotional effect**			
	A	Distribution of light			
	B	Psychological Significance of light			
	C	Lighting layouts			
	Unit 4	**Basic Lighting Calculations and layers of light**			CO1, CO3
	A	Fundamental formula within a given area			
	B	Introduction to layers			
	C	Combination Lights			
	Unit 5	**Introduction to Reflective Electric Plan & Simple Case studies on Electrical Planning**			CO1,CO2 CO3,CO4, CO6
	A	Symbols and representation of reflective electrical Plan			
	B	Lighting Case studies - kitchen, bathroom			
	C	Lighting Case studies – basic residential plans			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*	ERCO Handbook of Lighting Design, Light Design Basics –Mark Karlen,Time-Saver Standards of Interior Design & Space planning-Joseph de Chaira			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	1	1	2	2	2	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	2	1	1	1	2	3
CO3	1	2	3	3	3	2	3	1	1	2	3	1	1
CO4	2	1	2	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	3	3	2	1	1	2	3	1	2
CO6	1	3	2	2	2	2	3	3	3	-	2	3	1

1-Slight (Low)

2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019-22**	
Program: B.DESIGN		**Current Academic Year: 2020-21**	
Branch: INTERIOR DESIGN		**Semester: IV**	
1	Course Code		
2	Course Title	**Digital-III**	
3	Credits	4	
4	Contact Hours (L-T-P)	1-1-2	
	Course Type	Compulsory.	
5	Course Objective	The objective of Course includes learning advanced Sketchup 3d.	
6	Course Outcomes	The student will be able to : **CO1.** Demonstrate advanced skills using Sketchup software and the peripherals. **CO2.** Demonstrate an ability to use a range of tools in Sketchup. **CO3.** Using Sketchup for 3d modelling . **CO4.** Creatively solve visual problems and generate detail renderings. **CO5.** Learning to generate effective Presentation Drawing Using photoshop.	
7	Course Description	The course enables students to get a brief knowledge about the most widely used commands in 3D Modelling.	
8	Outline syllabus		CO Mapping
	Unit 1	**Sketchup Overview**	
	A	Revising basic tools and commands.	CO1,CO2
	B	Learning basic file exporting and saving.	CO2
	C	Introduction to Large tool set.	
	Unit 2	**Material application & Texturing.**	
	A	Working with Bitmaps.	CO2,CO1
	B	Creating new materials and their application..	CO1,CO3
	C	Rendering with textures.	CO3
	Unit 3	**Introduction to Plugins.**	
	A	Getting familiar with Basic and Advanced plugins.	CO1,CO4
	B	Working with parameters involved.	CO4,CO2
	C	Effective application in Modelling .	CO3
	Unit 4	**Advanced Commands and processes.**	
	A	Generating sections and Elevations.	CO3
	B	Working with scene settings and camera.	CO2,CO5
	C	Material application using uv mapping.	CO3,CO4
	Unit 5	**Rendering & Postproduction**	
	A	Introduction to Lumion.	CO5
	B	Importing different 3d files and formats.	CO1,,CO3

	C	Using Library components and exporting.			CO5
	Mode of examination	Jury/Practical/Viva			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	2	2	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	1	1	1	1	2	3
CO3	1	2	3	1	1	2	3	1	1	2	3	1	2
CO4	2	1	2	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	3	3	2	1	1	2	3	1	2
CO6													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP | Batch : 2019-23

Program: B.DESIGN | Current Academic Year: 2019

Branch: INTERIOR | Semester:IV

1	Course Code	BDC213
2	Course Title	History of Architecture & Interiors- II
3	Credits	2
4	Contact Hours (L-T-P)	2-0-0
	Course Type	Compulsory
5	Course Objective	• This course offers a comprehensive and concise compendium of the history of Architecture and interiors of the notable buildings/ reminiscent from Modern Era (early 1900s-Present) with reference to interiors as a social art, responsive to historical and cultural influences. • Design theories and philosophies are explored in reference to their influence on interiors along with the complexity and intricacies of the sensory relationship of humans with interior space over time.
6	Course Outcomes	5. Learn history to understand and know the evolution of architecture and Interior Design in various periods and the relevance in the context with interior design. 6. Understand interiors as a social art, responsive to historical, cultural and technological influences. 7. Explore design theories and philosophies in reference to their influence on interiors 8. Understand the complexity and intricacies of the sensory relationship of humans with interior space
7	Course Description	The student will be able to understand the architecture art movements from below: CO1. 1920s: Expressionism and Neo-expressionism, Constructivism, Bauhaus, De Stijl, Projects, famous architects and technology CO2. 1930s: Functionalism, Surrealism 1940s: Minimalism 1950s: International, Desert or Mid-century Modern Projects, famous architects and technology CO3. 1960s: Structuralism, Metabolism, 1970s: High-Tech, Brutalism, Organic

Projects, famous architects and technology

CO4. 1970s: Postmodernism
1980s: Deconstructivism
1990s and 21st Century Parametricism

CO5. Art Movements which provided exceptional room for interior design to flourish under:
Art Deco, Symbolism, Impressionism, Expressionism, Post Impressionism Cubism, Historicism, Rococo, Fauvism, Art Nouveaw etc.

8	Outline syllabus				CO Mapping
	Unit 1	Architecture Movements, Thoughts and Technology			
	A	Expressionism and Neo-expressionism, Constructivism,			CO1
	B	Bauhaus			CO1
	C	De Stijl			CO1
	Unit 2	Architecture Movements, Thoughts and Technology			
	A	Functionalism, Surrealism			CO2
	B	Minimalism			CO2
	C	International, Desert or Mid-century Modern			CO2
	Unit 3	Architecture Movements, Thoughts and Technology			
	A	Structuralism, Metabolism			CO3
	B	High-Tech, Brutalism,			CO3
	C	Organic			CO3
	Unit 4	Architecture Movements, Thoughts and Technology			
	A	Postmodernism			CO4
	B	Deconstructivism			CO4
	C	1990s and 21st Century Parametricism			CO4
	Unit 5	Modern Art Movements			
	A	Art Deco, Symbolism, Impressionism			CO5
	B	Expressionism, Post Impressionism Cubism, Historicism			CO5
	C	Rococo, Fauvism, Art Nouveaw			CO5
	Mode of examination	Theory/Jury/Practical/Viva			
	Weightage Distribution	CA 60%	MTE 0%	ETE 40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4

CO1	2	1	2	2	1	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	1	1	1	1	2	3
CO3	1	2	3	1	1	1	3	1	1	1	1	1	2
CO4	2	1	1	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	2	1	2	1	1	2	1	1	2
CO6	1	1	1	2	2	1	1	1	2	2	1	1	3

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019-2023**	
Program: B.Des		**Current Academic Year: 2019-20**	
Branch:		**Semester: IV**	
1	Course Code		
2	Course Title	Interior Design Studio -III	
3	Credits	11	
4	Contact Hours (L-P-S)	0-3-8	
	Course Status	Compulsory	
5	Course Objective	• To be able to understand various design process • To expose students to different works of renowned interior Designers and Interior Spaces • To enable students to formally apply methods of design, spatial analysis and form generation to a small scale project with constraints of site and context.	
6	Course Outcomes	**CO1**: Students will be equipped to methods of model making, drawings and design presentations. **CO2:** Students will be exposed to the works of renowned Interior Designers and identify various design processes, methods and means deployed to achieve spatial organization. **CO3:** Students will be enabled to apply spatial configuration to different type and scale of projects	
7	Course Description	The studio is designed to expose students to different works of Interior Designers and architects and introduce them to methods of case studies. The studio would guide students to formally understand and arrive at a design solution to a given problem through architectural methods of model making, drawings and design presentations.	
8	Outline syllabus		CO Achievement
	Unit 1	CASE STUDY	
		d) Exercises to understand space transformation and anthropometry e) visual composition and spatial relations f) Understanding interior elements and Materials	CO1, CO2
		h.	CO1, CO2
	Unit 2	DOCUMENTATION	
		i. Interpretation of design methods and concept. j. Drawings & Documents k. Context manipulation	CO1

	Unit 3	ANALYSIS			
		Design Exercise to expose studio to: l. Design process m. circulation n. space relation			CO1, CO3
	Unit 5	DESIGN RESEPONSE			
		c) Formal application of methods learnt through the preparatory exercises. d) Arriving at design solutions through physical models, drawings and supportive documents			CO1, CO3
	Unit 4	REVERSE ENGINEER A PROJECT			
		c) Study of renowned interior space though open models d) Reverse design analysis and criticism Jury			
	Weightage Distribution	CA	MTE	ETE	
		50%	0%	50%	
	Text book/s*	Operative Design- A catalogue of spatial Verbs, Di Mari Yoo			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	3	1	2	1	2	3	1	2	2	3	2	
CO2	1	-	3	3	1	2	-	2	2	3	3	1	
CO3	3	2	2	2	-	2	3	1	2	2	2	3	
CO4	3	2	2	3	1	2	3	1	2	2	3	1	
CO5	1	2	2	-	3	2	2	1	2	3	3	3	
CO6													

School: SAP		**Batch :2019-23**	
Program: B.Design		**Current Academic Year: 2020-21**	
Branch:Interior Design		**Semester:IV**	
1	Course Code		
2	Course Title	Material, Construction& Finishes -II	
3	Credits	4	
4	Contact Hours (L-T-P)	0-1-3	
	Course Type	Compulsory	
5	Course Objective	Course is designed to familiarize students to work with advanced materials which are used in the field of interior design quite extensively.	
6	Course Outcomes	After completion of this course, student will able to: CO1-Understanding the nature of material, properties and behaviour along with the practical applications and specifications CO2: Make students aware of different sizes and types of material coming from the factories. Difference in the materials with respect to need and applications. CO3: Understand the handling of materials like different types of boards, laminates and introduced them with different hardware's and installations process CO4: Understand and complications of flooring design and installation CO5: Understand the installation procedures of various false ceiling designs	
7	Course Description	This will include the applications of different materials along with specifications and joinery used in the industry. It will also make them understand various elements which contribute to Interior design like ceiling, hardware and flooring systems in Detail.	
8	Outline syllabus		CO Mapping
	Unit 1	**Introduction to various types of materials boards, laminates**	CO1,CO2
	1	Source of material, manufacturing process etc.	
	2	Understanding the physical properties, appearance, standard dimensions available etc.	
	3	Process of fixing	
	Unit 2	**Celling**	CO1,CO2, CO4
	1	Various products and by-products of the material	

	2	Various finishes, textures and necessary hardware			
	3	Drawing of details and sections			
	Unit 3	**Types of wood**			CO2,CO3, CO5
	1	Classification based on properties, usability etc.			
	2	Different types of uses			
	3	Specialized techniques and details			
	Unit 4	Types of hardware			
	1	Market research			
	2	**Material board of different hard wares**			
	3	Fixing of hard wares			
	Unit 5	**Finishes**			CO1,CO2,CO3
	1	Types of finishes in interiors			
	2	Process of finishes			
	3	Samples of different finishes			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0	40%	
	Text book/s*	• Interior Design Illustrated BY: Francis D. K. Ching (Author) • The Interior Design Handbook BY: Frida Ramstedt (Author) • The Interior Design Reference & Specification Book updated & revised: Everything Interior Designers Need to Know Every Day BY: Chris Grimley (Author) Interior Detailing: Concept to Construction 1st Edition BY: David Kent Ballast (Author)			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	3	1	2	1	2	3	1	2	2	3	2	
CO2	1	-	3	3	1	2	-	2	2	3	3	1	
CO3	3	2	2	2	-	2	3	1	2	2	2	3	
CO4	3	2	2	3	1	2	3	1	2	2	3	1	
CO5	1	2	2	-	3	2	2	1	2	3	3	3	
CO6													

School: SAP		**Batch : 2019-23**	
Program: B.Design		**Current Academic Year: 2019-20**	
Branch: Interior Design		**Semester: IV**	
1	Course Code	B	
2	Course Title	Visual Merchandising	
3	Credits	8	
4	Contact Hours(L-T-P)	0-4-8	
	Course Type	Compulsory	
5	Course Objective	1. Enable students to understand the various types, cost and styling (dressing) of mannequins 2. Have a insight in fixture design ,the various types ,modular fixture and special fixtures for accessory display 3. Understand the significance and scope of window display with various setting and construction details 4. Insight to principals used for store layout .	
6	Course Outcomes	The student will be able to : CO1 Prepare visual merchandising scheme for a store in terms of Mannequin Styling & 3D form CO2Design Window Display CO3Design the Store planning and Fixture Design for various formats CO4Prepare Product display and Plannogram CO5Design External Façade ,and Exterior Signage's	
7	Course Description	This course enables students to understand the importance and techniques of Visual communication. Visual communication focuses on communication through a visual aid and is described as the conveyance of ideas and information in forms that can be read or looked upon. includes: signs, typography, drawing, graphic design, illustration, Industrial Design, Advertising, Animation colour and electronic resources	
8	Outline syllabus		CO Mapping
	Unit 1	**Introduction to VM -Elements**	
	A	Window Display - Introduction & importance	CO1,
	B	Principles & types of Window Display	
	C	Window Creation Activity	
	Unit 2	**Product Display & Plannogram**	
	A	Principles Types of product display	
	B	Understanding a retail Plannogram	CO4
	C	Product display excercise	

	Unit 3	**Mannequin Styling & 3 D form**			CO1
	A	Purpose ,Types and cost of mannequins			
	B	Choosing the right Mannequin			
	C	Dressing of mannequins			
	Unit 4	**Store Planning and External Facade & Signage**			CO5
	A	Purpose and principles of Store planning			
	B	Store planning exercise			
	C	Importance of Signage and their types			
	Unit 5	**Fixture Design & Types**			CO1
	A	Importance of Fixture Design			
	B	POP display ,VM tool kit			
	C	Modular Fixtures ,special Fixtures for accessory display			
	Mode of examination	Theory/Jury/Practical/Viva			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	3	1	2	1	2	3	1	2	2	3	2	
CO2	1	-	3	3	1	2	-	2	2	3	3	1	
CO3	3	2	2	2	-	2	3	1	2	2	2	3	
CO4	3	2	2	3	1	2	3	1	2	2	3	1	
CO5	1	2	2	-	3	2	2	1	2	3	3	3	
CO6													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019-2023**	
Program: B.Design		**Academic Year: 2019-2023**	
Branch:Interior Design		**Semester: V**	
1	Course Code		
2	Course Title	Building Services-II(Lighting Design)	
3	Credits	3	
4	Contact Hours (L-T-P)	45 Hrs. (1-0-2)	
	Course Status	Compulsory	
5	Course Objective	1. Understand the advanced approach for any desired interior space. 2. Introduce Sustainable lighting and its control systems 3. Intensive research on various commercial lighting. 4. Correlation of lighting and human factors for Healthcare/Hospitality 5. Quantitative Understanding of Retail Lighting	
6	Course Outcomes	CO1: To understand any interior project with completeness of every aspect of costing. CO : To understand about material specification, quantities and estimation. CO3: To develop the practical understanding of all items to be used in construction. CO4:To understand the different types of estimates.	
7	Course Description	The estimation is prepared by calculating the quantities required and then calculating the cost at suitable rates , to get the approximate cost of the project.That helps in carryout project effectively.	
8	Outline syllabus		CO Mapping
	Unit 1	**Practical planning of light and its control systems**	
	A	Living ,Dinning , Bedroom lighting	CO1,CO2,CO4
	B	Light Switches	
	C	Energy Saving Controls	
	Unit 2	**Residential light plans**	
	A	Research	CO1, CO3
	B	Light Planning	
	C	Lighting Drawing and calculation	
	Unit 3	**Commercial Lighting**	
	A	Basic Office/Corporate	
	B	Restaurant Lighting	
	C	Lighting Drawing and calculation	
	Unit 4	**Advanced lighting Design I**	CO1, CO3
	A	Lighting approach for commercial lighting	
	B	Case Study – Office/Corporate lighting	
	C	Case Study – Retail Lighting	

	Unit 5	**Advanced Lighting II- Healthcare/Hospitality**			CO1,CO2 CO3,CO4,CO5
	A	Case study research – Healthcare			
	B	Case Study Research- Hospitality			
	C	Documentation			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*	ERCO Handbook of Lighting Design, Light Design Basics –Mark Karlen,Time-Saver Standards of Interior Design & Space planning-Joseph de Chaira			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	3	1	2	1	2	3	1	2	2	3	2	
CO2	1	-	3	3	1	2	-	2	2	3	3	1	
CO3	3	2	2	2	-	2	3	1	2	2	2	3	
CO4	3	2	2	3	1	2	3	1	2	2	3	1	
CO5	1	2	2	-	3	2	2	1	2	3	3	3	

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019-23**	
Program: B.DESIGN		**Current Academic Year: 2020-21**	
Branch: INTERIOR DESIGN		**Semester: V**	
1	Course Code		
2	Course Title	**Digital-IV**	
3	Credits	4	
4	Contact Hours (L-T-P)	1-1-2	
	Course Type	Compulsory.	
5	Course Objective	The objective of Course includes learning advanced Presentation techniques.	
6	Course Outcomes	The student will be able to : **CO1.** Learning image formatting and sheet composition. **CO2.** Demonstrate an ability to use a range of tools in Sketchup. **CO3.** Using photoshop for Layouting and sheet composition . **CO4.** Creatively solve visual problems and generate detail renderings. **CO5.** Learning to generate effective Presentation Drawing Using photoshop.	
7	Course Description	The course enables students to get a brief knowledge about the most widely used commands in 3D Modelling.	
8	Outline syllabus		CO Mapping
	Unit 1	**Photoshop Overview**	
	A	Revising basic tools and commands.	CO1,CO2
	B	Learning basic file exporting and saving.	CO2
	C	Effective use of tools for designing and formatting.	
	Unit 2	**2D Rendering and texturing.**	
	A	Working with Bitmaps.	CO2,CO1
	B	Creating new materials and their application..	CO1,CO3
	C	Rendering with textures.	CO3
	Unit 3	**Introduction to Brushes.**	
	A	Getting familiar with Basic and Advanced Brushes.	CO1,CO4
	B	Working with Advance features involved.	CO4,CO2
	C	Working with layer and masking.	CO3
	Unit 4	**Advanced Commands and processes.**	
	A	Generating sections and Elevations.	CO3
	B	Working with scene settings and camera.	CO2,CO5
	C	Material application using uv mapping.	CO3,CO4
	Unit 5	**Rendering & Postproduction**	
	A	Using brushes and image adjustments..	CO5
	B	Working with color modes.	CO1,,CO3
	C	Learning processes for exporting rendering.	CO5

	Mode of examination	Jury/Practical/Viva			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	2	2	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	1	1	1	1	2	3
CO3	1	2	3	1	1	2	3	1	1	2	3	1	2
CO4	2	1	2	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	3	3	2	1	1	2	3	1	2
CO6													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019-23**	
Program: B.Design		**B.Design** **Current Academic Year: 2018-19**	
Branch: Interior Design		**Semester: V**	
1	Course Code	BDH 317	
2	Course Title	Fitout Management	
3	Credits	3	
4	Contact Hours (L-T-P)	1-0-2	
	Course Type	Compulsory	
5	Course Objective	1-Learn and understand tools and techniques for efficient project management 2-This technique for live projects or Design studio projects	
6	Course Outcomes	The student will be able to : CO1 Programming of works from conception to completion. CO2 Preparation of Scopes/Specifications for fit out works and preparation of PERT charts CO3 Final inspections and signoffs procedures. Formats of Quality control and snag list preparation CO4 Format procedures for conducting fit out approvals in mall scenario and Final Site handover	
7	Course Description	This course focuses on Project management for interior fit-outs. Fit out management is a growing area where specialized expertise plays an important role. The course shall cover the various FM & PM techniques of scheduling ,reporting ,making of PERT charts etc.	
8	Outline syllabus		CO Mapping
	Unit 1	**Study and Analysis of Fit out process and significance**	
	A	Site visit of interior spaces with fitout in progress	CO1,
	B	Preparing site reports	
	C	Snag list preparation	
	Unit 2	**Making a PERT chart**	
	A	Identification and chronological order of fit out activates	
	B	Identification of Long lead items	CO2
	C	Preparation of Pert chart of a particular project	

	Unit 3	**Fitout in mall scenario**			CO3
	A	Understanding Fit out process in mall scenario			
	B	Formats for Fitout approval process			
	C	Formats for various stages in Fitout approval as site handover format, site inspections,			
	Unit 4	**Application of Fitout Management Tools and techniques Design Project**			CO4
	A	Identification of design project and its analysis			
	B	Preparing PERT chart			
	C	Identification of Long Lead Items			
	Unit 5	**Handover Process**			CO4
	A	Checklist and Snag lists w.r.t. to Interiors			
	B	Checklist for VM /Signage and handover to Operations			
	C	Checklist and Snag lists w.r.t. to Services			
	Mode of examination	Theory/Jury/Practical/Viva			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

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POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	1	2	1	2	3	1	2	3	3	2	2	2
CO2	-	3	3	1	2	-	2	2	-	3	1	1	1
CO3	2	2	2	-	2	3	1	2	3	2	3	3	2
CO4	2	2	3	1	2	3	1	2	3	3	1	3	1
CO5													
CO6													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School:	**SAP Batch : 2020-2022**
Program:	**B.Design Current Academic Year: 2020-21**
Branch: Interior Design	**Semester:V**

1	Course Code		
2	Course Title	Material ,Construction & Finishes-IV	
3	Credits	3	
4	Contact Hours (L-T-P)	1-0-2	
	Course Type	Compulsory	
5	Course Objective	-To develop and transform design concepts into details that meet the constraints, functional requirements, and constructability. -To learn about the construction detailing of various components of Interior Design projects. -To develop the imaginative thinking and the application of technical resources to create interiors that are aesthetically pleasing, functionally superior, and environmentally sound. -To develop a unique interior environment more thoughtfully and with a clearer, better-defined purpose.	
6	Course Outcomes	The student will be able to : **CO1:** Understand the importance of details in interior design. **CO2:** Create drawing for the fixing and application of various components ie.doors, window, ceiling, flooring etc. **CO3:** Innovate designs with better understanding of details of design. **CO4:** understand the interior spaces comprehensively by balancing the contributions of physical beauty and structural integrity in one complete volume.	
7	Course Description	The course is focussing on the basic understanding of construction details, which is core of any design project. The students will learn about the major/minor techniques (with help of developing drawings)used for fixing and application of various material together. The major detailing areas composed of Floor, Wall, Ceiling, Furniture,Furnishing,lighting etc.	
8	Outline syllabus		CO Mapping
	Unit 1	**Flooring**	
	A	Fixing detail of Stone	CO1, CO2
	B	Fixing detail of Tiles	
	C	Fixing details of Laminated,wooden etc.	
	Unit 2	**Ceiling/Panelling**	
	A	Detail of False ceiling,ie,Gypsum,tiles.	
	B	Detail of Wooden panelling with laminated sheet.	CO2
	C	Detail of Wooden panelling with veneer.	

School: SAP		**Batch : 2020-2024**	
Program: B.DESIGN		**Current Academic Year: 2020**	
Branch: INTERIOR		**Semester: V**	
1	Course Code		
2	Course Title	**History of Crafts and Design**	
3	Credits	2	
4	Contact Hours (L-T-P)	2-0-0	
	Course Type	Compulsory	
5	Course Objective	• This course offers a comprehensive and concise compendium of the subject supports personal, social, moral, spiritual, cultural and creative development, and enables participants to engage with and explore visual, tactile and other sensory experiences and how to recognise and communicate ideas and meanings. These opportunities enable them to work with traditional and new media, so that they develop confidence, competence, imagination and creativity. • Design theories and philosophies are explored in reference to their influence on Craft and design along with the complexity and intricacies of the sensory relationship of humans with interior space over time.	
6	Course Outcomes	9. Learn history to understand and know the evolution of Craft and Design in various periods and the relevance in the context with interior design. 10. Understand interiors as a social art, responsive to historical, cultural and technological influences. 11. Explore design theories and philosophies in reference to their influence on interiors. 12. Understand the complexity and intricacies of the sensory relationship of humans with interior space	
7	Course Description	The student will be able to understand the architecture art movements from below: **CO1.** Crafts of North India and its effect on evolution of Design. **CO2.** Crafts of East India and its effect on evolution of Design. **CO3.** Crafts of South India and its effect on evolution of Design. **CO4.** Crafts of West India and its effect on evolution of Design. **CO5.** Crafts of Central India and its effect on evolution of Design.	
8	Outline syllabus		CO Mapping
	Unit 1	**Crafts of North India and its effect on evolution of Design in region.**	
	A	Walnut wood carvings, Kashmir	CO1

	B	Phulkari, Punjab			CO1
	C	Madhubani Painting, Bihar			CO1
	Unit 2	**Crafts of East India and its effect on evolution of Design in region.**			
	A	Cane and Bamboo Artefacts, Assam japi			CO2
	B	The Wancho and Morung carvings, Sikkim			CO2
	C	Metalwork and Jewellery work of Assam			CO2
	Unit 3	**Crafts of South India and its effect on evolution of Design in region.**			
	A	Wood craft works of Karnataka			CO3
	B	Stone carvings of Tamilnadu			CO3
	C	Lacquer craft works of Andhra Pradesh			CO3
	Unit 4	**Crafts of West India and its effect on evolution of Design in region.**			
	A	Embroidery is a common craft of Saurastra and Kutch region of Gujarat			CO4
	B	Leather works of Maharashtra			CO4
	C	Kagzi/ paper pottery of Alwar, Rajasthan			CO4
	Unit 5	**Crafts of Central India and its effect on evolution of Design in region.**			
	A	Papier - mache items and Ujjain, Madhya Pradesh			CO5
	B	Dokra Metal Crafts, Telangana			CO5
	C	Decorative and utilitarian items of bamboo, Chhattisgarh			CO5
	Mode of examination	Theory/Jury/Practical/Viva			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	2	1	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	1	1	1	1	2	3
CO3	1	2	3	1	1	1	3	1	1	1	1	1	2
CO4	2	1	1	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	2	1	2	1	1	2	1	1	2
CO6	1	1	1	2	2	1	1	1	2	2	1	1	3

School: SAP		**Batch : 2019-2023**	
Program: B.Design		**Current Academic Year: 2019-20**	
Branch:		**Semester: 5**	
1	Course Code		
2	Course Title	Interior Design studio IV	
3	Credits	10	
4	Contact Hours (L-P-S)	10 hrs (0-4-6)	
	Course Status	Compulsory	
5	Course Objective	• The aim of the studio is to introduce students to design of repetitive units/ Modular focusing on horizontal spatial planning with focus on interrelationship between spaces and their respective hierarchy. • To sensitise them to observing their environment and incorporating the learning's into their design. • The objective is to focus on design evolution with respect to passive design strategies and site context.	
6	Course Outcomes	CO1: students should develop skills of drawing and representation CO2: to assimilate learning of graphics, construction, structures and computers to apply to basic design. CO3: Explore creative processes and idea generation and demonstrate critical evaluation of these processes in their projects. CO4: Appraise how design can impact, interact with, and improve environments. CO5: Understand spaces with three-dimensional visualization through the use of block models and appropriate software's.	
7	Course Description	Looking at the immediate built environment and understanding its fundamental components and their impact on the surroundings. The studio deals with the study of built form and its relationship to the site, surroundings and climatic setting. Design proposals to address sensitivity to climatic and physical settings. The design problem would induce students to experiment with built and open spaces. Exercises relating personal experiences to behavioural needs and translating them into documented information that can be used as a basis for design. Introduction to other role players in the Design process viz; the client and the user.	
8	Outline syllabus		CO Achievement

	Unit 1	Minor Project			CO2 CO3
		a. Introduction to Minor project b. Form and material based investigation c. Understanding spatial aspects based on activity, space, form and human scale.			
	Unit 2	Minor Project- finalization			
		a. Pre design study-Case study and functional standards b. Concept formulation and idea investigation c. Final design presentation			
	Unit 3	Major Project- Conceptual			CO2 CO3co1
		a. Introduction to Major project b. Preparation of design requirements, area requirements based on standards and their interrelation and circulation patterns. Site- 5000 sft (appx)			
	Unit 4	Concept Development			CO1 CO3
		a. Concept Formulation, Bubble Diagram and activity zoning. b. Design development- site development c. Design development- floor Plans			
	Unit 5	Finalisation			
		a. Design development- sections and elevations b. Model making on appropriate scale c. Final portfolio submission			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*	-			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	2	1	1	1	1	1	1	1	2	2
CO2	3	1	1	2	1	1	2	1	1	1	1	2	3
CO3	1	2	3	1	1	1	3	1	1	1	1	1	2
CO4	2	1	1	2	1	1	1	2	3	1	1	2	2
CO5	2	1	1	2	2	1	2	1	1	2	1	1	2
CO6	1	1	1	2	2	1	1	1	2	2	1	1	3

School:		**SAP** **Batch : 2019-23**	
Program:		**B.Design** **Current Academic Year: 2020-21**	
Branch: Interior Design		**Semester:VII**	
1	Course Code		
2	Course Title	**Heritage Interiors**	
3	Credits	6	
4	Contact Hours (L-T-P)	1-1-4	
	Course Type	Compulsory	
5	Course Objective	The main objective of this course is to understand and learn the importance of heritage value of particular space/building by Adaptive Reuse to develop meaningful space and commercial performance of built assets.	
6	Course Outcomes	The student will be able to : **CO1:** Understand the importance of heritage value. **CO2:** Create drawing for the fixing and application of various techniques used in restoration and refurbishment of project. **CO3:** Produce the survey and documentation process to carry out project with keeping the heritage value intact. **CO4:** understand the interior spaces comprehensively by balancing the contributions of physical beauty and structural integrity in one complete volume.	
7	Course Description	1. This is to enable students to understand the basic terminologies used in the adaptive reuse o develop meaningful space. 2. Students understand about design process involve in refurbishing a project. 3-To understand the process of documentation to carry out the process of adaptively reusing historic buildings.	
8	Outline syllabus		CO Mapping
	Unit 1	**Introduction**	
	A	Introduction to Heritage Interiors	CO1, CO2
	B	Site visit and making form and material based investigation	
	C	Understanding spatial aspects based on activity, space, form and human scale.	
	Unit 2	**Documentation/Drawing**	
	A	Case study presentation 1st stage	
	B	Case study presentation 2nd stage	CO2
	C	Final site drawings with details and phtographs	
	Unit 3	**Conecept/Development**	CO3
	A	Preparation of design requirements, area requirements based on standards and their interrelation and circulation patterns.	
	B	Concept formulation and idea investigation.	

	C	Final concept			
	Unit 4	**Design Development**			CO4
	A	All floor plans			
	B	Detailed plans			
	C	Views			
	Unit 5	**Finalisation**			**CO 5**
	A	Design development- sections and elevations			
	B	Model making on appropriate scale			
	C	Final portfolio submission			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	3	1	2	1	2	3	1	2	2	3	2	
CO2	1	-	3	3	1	2	-	2	2	3	3	1	
CO3	3	2	2	2	-	2	3	1	2	2	2	3	
CO4	3	2	2	3	1	2	3	1	2	2	3	1	
CO5	1	2	2	-	3	2	2	1	2	3	3	3	
CO6													

School: SAP		**Batch : 2019-202319**	
Program: B.Design		**Current Academic Year: 2020-2021**	
Branch:Interior Design		**Semester: V**	
1	Course Code		
2	Course Title	Building Services-VI	
3	Credits	3	
4	Contact Hours (L-T-P)	45 Hrs. (0-1-2)	
	Course Status	Compulsory	
5	Course Objective	• Understanding the need of Building Services. • Understanding the relation between a good interior design and interior services. • Understanding the basic aspects of building services, which makes a building habitable and function the way it has been built for. • Understanding the symbols and notifications used in the sample services drawings and understand the importance of them while overlaying the same in the architectural/ interior layout.	
6	Course Outcomes	CO1: To understand any interior space (to be discussed in design studio exercise) with completeness of every aspect of its services. CO2: To make the space habitable considering the environment it exists. CO3: To develop the practical understanding of all services components. CO4: To understand the coordination between Conceptual Design and Services and learn to prepare the services drawings for the design studio exercises.	
7	Course Description	The course is meant for students to know the interior services which are 1. Water Supply and Drainage 2. Electrical 3. Heating & Air conditioning. 4. Building Automation services 5. Security, Alarm System & Fire Fighting	
8	Outline syllabus		CO Mapping
	Unit 1	**Water Supply**	CO1, CO2
	A	Cold Water and Supply System, Hot Water and Supply System	
	B	Sanitary fitting & fixtures and mechanism	
	C	Symbol identification and a sample drawing understanding, Preparing the drawings for the Design Studio Problem	
	Unit 2	**Electrical**	CO1, CO3

	A	Power layout & technical aspect cable laying through walls, floors and ceilings.			
	B	Analysis of Wires and Fixtures related to the Design Studio exercise.			
	C	Symbol identification and a sample drawing understanding, Preparing the drawings for the Design Studio Problem			
	Unit 3	**Heating & Air conditioning.**			CO1, CO3
	A	Types of AC and their mechanism			
	B	Analysis of cost of heating and cooling loads and their calculations, aspects of designing a good system for different type			
	C	Symbol identification and a sample drawing understanding, Preparing the drawings for the Design Studio Problem			
	Unit 4	**Building Automation services**			CO1, CO3
	A	Data & Voice			
	B	Internet and connectivity and app based solutions			
	C	Symbol identification and a sample drawing understanding, Preparing the drawings for the Design Studio Problem			
	Unit 5	**Security, Alarm System & Fire Fighting**			CO1, CO3
	A	Needs of Security, Alarm System & Fire Fighting			
	B	Types of sprinklers and their functions, Branching and process			
	C	Symbol identification and a sample drawing understanding, Preparing the drawings for the Design Studio Problem			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	1	2	1	2	3	1	1	3	3	2	3	2
CO2	-	3	3	1	2	-	2	2	-	3	1	2	1
CO3	2	2	2	-	2	3	1	2	3	2	3	2	3
CO4	3	3	1	2	-	2	2	-	1	1	2	1	2
CO5													

CO6													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2020-2024**	
Program: B.Design		**Academic Year: 2020-2021**	
Branch:Interior Design		**Semester: VI**	
1	Course Code		
2	Course Title	Estimation in Interiors	
3	Credits	3	
4	Contact Hours (L-T-P)	0-1-2	
	Course Status	Compulsory	
5	Course Objective	This course teaches students to do the estimation of a interior design project of a space which allows designers to establish prices and budgets that satisfy their clients. This course follows practical guidelines on how to value the cost of designing commercial or residential interiors	
6	Course Outcomes	After completion of this course, student will able to: CO1: understand any interior project with completeness of every aspect of costing. CO2 : understand about material specification, quantities and estimation. CO3: prepare estimates for major items of construction work. CO4: understand the different types of estimates. CO5: prepare preliminary and detailed estimates for a design project	
7	Course Description	The estimation is prepared by calculating the quantities required and then calculating the cost at suitable rates , to get the approximate cost of the projet.That help in carryout project effectively.	
8	Outline syllabus		CO Mapping
	Unit 1	**Estimates Introduction**	
	A	Types of Estimates	CO1, CO2,CO4
	B	Preliminary and details estimates.	
	C	Calculations of Quantities: Types methods for calculating different items of construction.	
	Unit 2	**Calculations of Quantities**	CO1, CO3
	A	Types methods for calculating different items of construction.	
	B	Software tool for calculations	
	C	Market research	
	Unit 3	**Specifications**	CO1, CO3
	A	Types of Specifications for different materials	
	B	Matearial, labour & combined cost techniqes	
	C	Market research	
	Unit 4	**Detailed Estimation**	CO1, CO3, CO5

	A	GST Calculation			
	B	Calculation of bill summary			
	C	Detailed Specification			
	Unit 5	**Turnkey Projects**			CO1,CO2CO3,CO4
	A	Preparing of Design Proposal			
	B	Analysis of the services and their cost and preparation of their estimation and costing document portfolio.			
	C	BOQ summary			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*	Estimating and Consting in Civil Engineering B.N. Dutta			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	1	2	1	2	3	1	1	3	3	2	3	2
CO2	-	3	3	1	2	-	2	2	-	3	1	2	1
CO3	2	2	2	-	2	3	1	2	3	2	3	2	3
CO4	3	3	1	2	-	2	2	-	1	1	2	1	2
CO5													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019-2022**	
Program: B.Design		**Current Academic Year: 2020-2021**	
Branch:Interior Design		**Semester: VI**	
1	Course Code		
2	Course Title	Interior Design Studio -V	
3	Credits	10	
4	Contact Hours (L-T-P)	10 Hrs. (0-4-6)	
	Course Status	Compulsory	
5	Course Objective	1. Study Interior design through Research, Analysis, programming, conceptualization and design of the Interior environment. 2. Understand spatial organization, Building codes and Regulations in addition to Building services.	
6	Course Outcomes	CO1: Understand and apply the standards applicable to Spatial planning in a space. CO2 : Understanding various aspects of designing such as Functionality and Aesthetics. CO3: Understanding various details and regulations involved in Designing and construction. CO4: Detail Design for a particular use by making plan furniture, fixture and equipment layouts and, prepare material, furniture, fixture and equipment specifications .	
7	Course Description	The course Enables to understand the fundamentals of special planning, Building by laws, Presentation techniques and Incorporating Services as an integral part of their Design. It would help them to understand all the essential details and fundamentals essential to generate an effective Design which also follows its functional aspects.	
8	Outline syllabus		CO Mapping
	Unit 1	**Space Planning and Design Fundamentals**	
	A	General Overview	CO1, CO2
	B	Functional Aspects	
	C	Aesthetic Aspects	
	Unit 2	**Communication and Drafting Methods**	
	A	Presentation Techniques	
	B	Renderings	CO1, CO3
	C	Building Models	
	Unit 3	**Building Codes and Standards**	
	A	General Overview	
	B	Occupancy Requirements, Classifications and Loads	
	C	Test Ratings and Fire Resistant Materials and Finishes	
	Unit 4	**Barrier Free Design**	CO1, CO3
	A	General Overview	
	B	Accessibility Guidelines	
	C	Plumbing Fixtures and Public Lavatories	
	Unit 5	**Specification Writing**	CO1, CO3
	A	Specification Material Sources	

	B	Types of Specifications			
	C	Specification Format and Organization			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	1	2	1	2	3	1	1	3	3	2	3	2
CO2	-	3	3	1	2	-	2	2	-	3	1	2	1
CO3	2	2	2	-	2	3	1	2	3	2	3	2	3
CO4	3	3	1	2	-	2	2	-	1	1	2	1	2
CO5													
CO6													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019 -23**	
Program: M.Design		**Current Academic Year: 2019 - 20**	
Branch:Common		Semester**: VI**	
1	Course Code	MDC106	
2	Course Title	Research Methodology	
3	Credits	2	
4	Contact Hours (L-T-P)	2-0-0	
	Course Type	Compulsory	
5	Course Objective	The focus of this course is not on mastery of statistics but on the ability to use research in the Design environment.	
6	Course Outcomes	The student will be able to learn : CO1: Develop a hypothesis, a research problem and related questions CO2: Frame the problem with the correct research methodology CO3: Collect accurate data to addresses the research problem CO4: Use the data to make decisions CO5: Create a effective research proposals CO6: Evaluating the issues of lighting in a particular space.	
7	Course Description	To develop an understanding among students about an overview of the important concepts of research design, data collection, statistical and interpretative analysis, and final report presentation.	
8	Outline syllabus		CO Mapping
	Unit 1	INTRODUCTION	CO1, CO2
	A	Foundations of Research: Meaning, Objectives, Motivation, Utility	
	B	Concept of theory, empiricism, deductive and inductive theory	
	C	Characteristics of scientific method – Understanding the language of research – Concept, Construct, Definition, Variable. Research Process	
	Unit 2	PROBLEM IDENTIFICATION AND HYPOTHESIS GENERATION	CO1, CO3
	A	Problem Identification & Formulation and Measurement Issues	
	B	Hypothesis – Qualities of a good Hypothesis – Null Hypothesis & Alternative Hypothesis.	
	C	Hypothesis Testing – Logic & Importance	
	Unit 3	RESEARCH DESIGN	CO2,CO3,CO4,CO5,

	A	Research Design: Concept and Importance in Research – Features of a good research design			
	B	Exploratory Research Design – concept, types and uses, Descriptive Research Designs – concept, types and uses. Experimental Design: Concept of Independent & Dependent variables.			
	C	Qualitative and Quantitative Research: Qualitative research – Quantitative research – Concept of measurement, causality, generalization, replication and Merging the two approaches.			
	Unit 4	SAMPLING			CO2,CO3 CO4,CO5,CO6
	A	Measurement: Concept of measurement– what is measured? Problems in measurement in research – Validity and Reliability and Levels of measurement – Nominal, Ordinal, Interval, Ratio.			
	B	Sampling: Concepts of Statistical Population, Sample, Sampling Frame, Sampling Error, Sample Size, Non Response. Characteristics of a good sample. Probability Sample – Simple Random Sample, Systematic Sample, Stratified Random Sample & Multi-stage sampling			
	C	Determining size of the sample – Practical considerations in sampling and sample size			
	Unit 5	DATA ANALYSIS AND INTERPRITATION			CO3,CO4, CO5,CO6
	A	Data Analysis: Data Preparation – Univariate analysis (frequency tables, bar charts, pie charts, percentages			
	B	Bivariate Analysis – Cross tabulations and Chi-square test including testing hypothesis of association.			
	C	Interpretation of Data and Report Writing – Layout of a Research Paper, Ethical issues related to publishing, Plagiarism and Self-Plagiarism and Effective report writing.			
	Mode of examination	Theory			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	
	Text book/s*	1.Research Methodology – C.R.Kothari 2.Business Research Methods – Donald Cooper & Pamela Schindler, TMGH, 9th edition.			

		3.Business Research Methods – Alan Bryman& Emma Bell, Oxford University Press.	
	Other References		

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	3		3		2	2		2	3	2	3	3
CO2	3		3		2	2	1		3	2	3	2	2
CO3	2	3		3		2	2	1		3	2	-	2
CO4	1	2	3		2	2	1		3	2	3	2	2
CO5	3	2	2		2	2	1		2		2	2	1
CO6		2	2	1		2	2	1		2	2	3	

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2017-21**	
Program: B.Design		**Current Academic Year: 2019 - 20**	
Branch:Interior Design		**Semester:VI**	
1	Course Code		
2	Course Title	Design Sustainability	
3	Credits	3	
4	Contact Hours (L-T-P)	45 hrs. (1-0-2)	
	Course Type	Compulsory	
5	Course Objective	1 To address the merging trend of developing healthier and smarter buildings/Interiors by defining effective ways to utilise energy and water usage and material choices. 2 It considers the growing popularity of sustainability and its implication on the built environment . 3. To expose the students to the danger of the practises involving ruthless exploitation of natural and man-made resources. 4. To teach the integrated design approach to the students to achieve sustainability in design.	
6	Course Outcomes	CO1 Students will imbibe the principle - the present generation needs can be fulfilled without affecting the future generations ability to fulfil their own needs. CO2 Become capable to understand the norms and measures outlined by Green Agencies. CO3 Develop sustainable design skills to convert any project small or big into a sustainable design Project. CO4 Develop as a specialized professionals who would not only make green interiors but teach their vendors and suppliers to follow sustainability.	
7	Course Description		
8	Outline syllabus		CO Mapping
	Unit 1	Introduction to Sustainability	CO1,CO4
	A	Need to be Sustainable .	
	B	History of the concept of sustainability	
	C	Philosophy of sustainability in the west.	
	Unit 2	Sustainable Design	CO2,CO3
	A	Interdisciplinary overview of sustainable design in various design fields	
	B	Siginificance of natural lighting to support the environment.	
	C	GRIHA	

	Unit 3	**3Rs : Reduce,Reuse,Recycle**			CO2
	A	Biodegradability			
	B	Waste Management			
	C	Material Board on Sustainability.			
	Unit 4	**Efficient use of resources and solutions in Interiors**			**CO1,CO2,CO3**
	A	Energy efficient solutions i.e.,Lighting controls,water harvesting,etc.			
	B	Sustainable water use to control water runsoffs in kitchen,Bathroom			
	C	Human Behavioral aspects to improve habitable environment			
	Unit 5	**Classroom project on Sustainable Design**			CO2,CO3,CO4
	A	Material challenge and research on solution			
	B	Conceptualization			
	C	Presentation and Documentation			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	1	2	1	2	3	1	1	3	3	2	3	2
CO2	-	3	3	1	2	-	2	2	-	3	1	2	1
CO3	2	2	2	-	2	3	1	2	3	2	3	2	3
CO4	3	2	3	1	2	3	1	3	3	3	1	3	1
CO5													
CO6													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019-2023**	
Program: B.Design		**Academic Year: 2019-2023**	
Branch:Interior Design		**Semester: VI**	
1	Course Code		
2	Course Title	Furniture Design - I	
3	Credits	3	
4	Contact Hours (L-T-P)	45 Hrs. (1-0-2)	
	Course Status	Compulsory	
5	Course Objective	1. Learn about all aspects of Furniture Design from brief history to the various categories of furniture, various manufacturing process involved to adaptation of materials in different spaces. 2. The course aims at making the students absorb the elements and principles in furniture design merchandising and applying them in their own designs. 3. To learn all the design process in context of furnitures with the relevance of each elements of 4. Develop the understanding of the significance of forecasting and explore new avenues in furniture design.	
6	Course Outcomes	CO1. The correlation of form and function in furniture design CO2. Understanding the Ergonomics, Anthropometry and Proxemics in Furniture. CO3 Learn practical preference in a space when choosing materials on the basis of their behaviour. CO4. Learn to design furniture while applying case studies and understanding need of every human need.	
7	Course Description	The course is intended for students to learn and practise all the aspects integral in the making of furniture. They will develop the in-depth understanding of function/utility of furniture in relation with Form, Materials and Comfort.	
8	Outline syllabus		CO Mapping
	Unit 1	**Furnituer Design evolution**	
	A	Introduction to the History of Furniture Design from Ancient Egyptian to the pre-independence impact of Europeans on india.	CO1, CO2,CO4

	B	Study of the popular furniture			
	C	Representation of basic furniture design			
	Unit 2	**Furniture Classification and their uses**			
	A	Types of Furniture			CO1, CO3
	B	Function Utility			
	C	Forms			
	Unit 3	**Basic Principles & Human factors**			
	A	Ergonometric & Anthropometry			
	B	Design Principles			
	C	Case studies			
	Unit 4	**Furniture Joinery & Construction techniques**			CO1, CO3
	A	Types of Furniture Joinery			
	B	Making of joinery			
	C	Assembly			
	Unit 5	**Materials & Finishes**			CO1,CO2 CO3,CO4
	A	Market Research on Materials			
	B	Production Process			
	C	Finishes			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	1	2	1	2	3	1	1	3	3	2	3	2
CO2	-	3	3	1	2	-	2	2	-	3	1	2	1
CO3	2	2	2	-	2	3	1	2	3	2	3	2	3
CO4	3	3	1	2	-	2	2	-	1	1	2	1	2
CO5													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		Batch : 2019 -23
Program: B. Design		Current Academic Year: 2018 - 19
Branch: Common		Semester: VIII
1	Course Code	
2	Course Title	Dissertation
3	Credits	6
4	Contact Hours (L-T-P)	0-2-4
	Course Type	Compulsory
5	Course Objective	The need of this supplementary subject is to make the students to do the research work lingering about the Practices, technology, Traits and works of the interior designers practicing India and abroad. • To stimulate art appreciation and development of aesthetic sense. • To introduce vernacular art and craft forms. • To introduce a sense of exploration, research and documentation.
6	Course Outcomes	The student will be able to learn : CO1: Develop a hypothesis, a research problem and related questions CO2: Frame the problem with the correct research methodology CO3: Collect accurate data to addresses the research problem CO4: Use the data to make decisions CO5: Create an effective research proposals CO6: Evaluating the issues of lighting in a particular space.
7	Course Description	Students have the flexibility to choose from a wide range of topics that may be historic or contemporary. The Topics to be taken will be from the following Field:- • Particular Art / Craft form belonging to a specific region / period. • School of thought in India/ abroad. • The effect of artwork in the interior of any real Project. • Any Art Movement and its effects on interior design of then era. • Effect of any new design and its interior in any old campus (i.e. a new coffee house in Sharda campus) • Viability study of any new technology on interiors (i.e. naturalistic lighting for user wellbeing) • Analysis of different interior styles/ theme on a single Project (i.e. Fast Casual, Family Style, Fine Dining, Café or Bistro, Fast Food, Food Truck, Restaurant Buffet, Pop-Up Restaurant styles/ design themes and analysis of the overall final look of the restaurant) • Research works about any practicing interior designer's life, works and philosophy.

		• Research about the relation of the different performing art forms and their relations/ effects on interior design (i.e. Choreography and interior design; using performance terminology to describe interior experience.)			
8	Outline syllabus				CO Mapping
	Unit 1	INTRODUCTION			CO1, CO2
	A	Foundations of Dissertation: Meaning, Objectives, Motivation, Utility			
	B	Need of the Dissertation			
	C	Characteristics of scientific method for dissertation– Understanding the language of dissertation research – Concept, Construct, Definition, Variable. Research Process			
	Unit 2	PROBLEM IDENTIFICATION AND HYPOTHESIS GENERATION			CO1, CO3
	A	Problem Identification & Formulation and Issues			
	B	Study identification or Hypothesis			
	C	Study/ Hypothesis Testing – Logic & Importance			
	Unit 3	APPROVAL OF THE DISSERTATION TOPIC			CO2,CO3,CO4,CO5,
	A	Identification of the area of study.			
	B	Studying and data collection of various aspects of the dissertation study.			
	C	Collected data analysis for the sake of dissertation topic approval			
	Unit 4	FRAMING THE DISSERTATION/ PREPARATION OF REPORT			CO2,CO3 CO4,CO5,CO6
	A	Framing the Dissertation Chapters			
	B	Identifying the chapters of study			
	C	Study the different styles of Report Writing – APA Style, Chicago Style etc. Referencing and bibliography Footnotes and citations			
	Unit 5	DATA ANALYSIS AND INTERPRITATION DISSERTATION CONCLUSION			CO3,CO4, CO5,CO6
	A	Finalization of Data Analysis: Data Preparation – for putting these in the dissertation report			
	B	Bivariate Analysis – Cross tabulations and Chi-square test including testing hypothesis of dissertation.			
	C	Interpretation of hypothesis and conclusion through Effective report writing.			
	Mode of examination	Viva voce			
	Weightage Distribution	CA	MTE	ETE	
		30%	20%	50%	

	Text book/s*	1. Research Methodology – C.R.Kothari 2. Business Research Methods – Donald Cooper & Pamela Schindler, TMGH, 9th edition. 3. Business Research Methods – Alan Bryman & Emma Bell, Oxford University Press.	
	Other References		

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	3		3		2	2		2	3	2	3	3
CO2	3		3		2	2	1		3	2	3	2	2
CO3	2	3		3		2	2	1		3	2	-	2
CO4	1	2	3		2	2	1		3	2	3	2	2
CO5	3	2	2		2	2	1		2		2	2	1
CO6		2	2	1		2	2	1		2	2	3	

School: SAP		**Batch : 2019-2022**	
Program: B.Design		**Current Academic Year: 2020-2021**	
Branch:Interior Design		**Semester: VI**	
1	Course Code		
2	Course Title	Interior Design Studio -V	
3	Credits	10	
4	Contact Hours (L-T-P)	10 Hrs. (0-4-6)	
	Course Status	Compulsory	
5	Course Objective	3. Study Interior design through Research, Analysis, programming, conceptualization and design of the Interior environment. 4. Understand spatial organization, Building codes and Regulations in addition to Building services.	
6	Course Outcomes	CO1: Understand and apply the standards applicable to Spatial planning in a space. CO2 : Understanding various aspects of designing such as Functionality and Aesthetics. CO3: Understanding various details and regulations involved in Designing and construction. CO4: Detail Design for a particular use by making plan furniture, fixture and equipment layouts and, prepare material, furniture, fixture and equipment specifications	
7	Course Description	The course Enables to understand the fundamentals of special planning, Building by laws, Presentation techniques and Incorporating Services as an integral part of their Design. It would help them to understand all the essential details and fundamentals essential to generate an effective Design which also follows its functional aspects.	
8	Outline syllabus		CO Mapping
	Unit 1	**Space Planning and Design Fundamentals**	
	A	General Overview	CO1, CO2
	B	Functional Aspects	
	C	Aesthetic Aspects	
	Unit 2	**Communication and Drafting Methods**	
	A	Presentation Techniques	
	B	Renderings	CO1, CO3
	C	Building Models	
	Unit 3	**Building Codes and Standards**	
	A	General Overview	
	B	Occupancy Requirements, Classifications and Loads	
	C	Test Ratings and Fire Resistant Materials and Finishes	
	Unit 4	**Barrier Free Design**	CO1, CO3
	A	General Overview	
	B	Accessibility Guidelines	
	C	Plumbing Fixtures and Public Lavatories	
	Unit 5	**Specification Writing**	CO1, CO3
	A	Specification Material Sources	

	B	Types of Specifications			
	C	Specification Format and Organization			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	1	2	1	2	3	1	1	3	3	2	3	2
CO2	-	3	3	1	2	-	2	2	-	3	1	2	1
CO3	2	2	2	-	2	3	1	2	3	2	3	2	3
CO4	3	3	1	2	-	2	2	-	1	1	2	1	2
CO5													
CO6													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2019-2023**	
Program: B.Design		**Academic Year: 2019-2023**	
Branch:Interior Design		**Semester: VII**	
1	Course Code		
2	Course Title	Furniture Design - II	
3	Credits	3	
4	Contact Hours (L-T-P)	45 Hrs. (1-0-2)	
	Course Status	Compulsory	
5	Course Objective	• To understand the various aspects of types of Furniture in different interior spaces. • To know about new and innovative Materials and Finishes • Fundamentals of Design Process. • Classification of the furniture on the basis of its utility and nature of space like, residential, outdoor, commercial, hospitality, etc.	
6	Course Outcomes	CO1. Design process for any type of Furniture . CO2. Visual practice of the utilty and form of furniture. CO3 The application of textile materials and upholstered Furniture CO4. Final Prototyping .	
7	Course Description	The course is intended for students to learn and practise all the aspects integral in the making of furniture. They will develop the in-depth understanding of function/utility of furniture in relation with Form, Materials and Comfort.	
8	Outline syllabus		CO Mapping
	Unit 1	**Study of Furniture in different environment**	
	A	Market Research on task based furniture	CO1, CO2,CO3
	B	Various lexicons in the study of Furniture	
	C	Visual Representation	
	Unit 2	**Material and their significance**	
	A	Material behaviour and their influence in interior	CO3, CO4
	B	Combination of materials	
	C	New Finishes	
	Unit 3	**Upholstery and construction**	
	A	Various fabrics used in furniture	
	B	Study on upholstery	
	C	Upholstery construction	
	Unit 4	**Design Project I**	CO12, CO4

	A	Conceptualization			
	B	Prototyping of Furnitures and Accessories.			
	C	Material Appropriateness.			
	Unit 5	**Final Documentation**			CO1,CO2 CO3
	A	Finalization of write up .			
	B	Final Documentation of the products chosen.			
	C	Pre-preparation of the jury related to board to display furniture accessories, jury discussion and inference.			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	3	1	2	1	2	3	1	1	3	3	2	3	2
CO2	-	3	3	1	2	-	2	2	-	3	1	2	1
CO3	2	2	2	-	2	3	1	2	3	2	3	2	3
CO4	3	3	1	2	-	2	2	-	1	1	2	1	2
CO5													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)

School: SAP		**Batch : 2020-2024**	
Program: B.DESIGN		**Current Academic Year: 2020**	
Branch: Interior Design		**Semester: VIII**	
1	Course Code		
2	Course Title	Final Year Project	
3	Credits	12	
4	Contact Hours (L-T-P)	0-4-8	
	Course Type	Compulsory	
5	Course Objective	To provides student the opportunity to propose and manage a faculty approved self-initiated design project with appropriate focus, inquiry, documentation, execution and presentation	
6	Course Outcomes	The student will be able to : **CO1.** Understand the complete an in-depth conceptualization and presentation. **CO2.**Learn a comprehensive understanding of developing design and whole design process involves. **CO3.**. Learn research methods, innovation, code compliance, sustainability, services & Estimation etc. **CO4**. Will be able to Gauge and imbibe the prevalent trends and forecast **CO5.** Understand the complexity and coordination between Concept & Final presentation.	
7	Course Description	Students in this course advance their design skills to meet the challenge of a complex project. Selecting both client and project, students complete an in-depth precedent study, code and building analysis, user assessment, programming, conceptualization and presentation.	
8	Outline syllabus		CO Mapping
	Unit 1	**Design Brief**	CO1,CO2
	A	Introduction to the project along with preparation of its requirements and related components, user preferences, user profile	
	B	Preparation of requirements in terms of product market parameters	
	C	Identification of the need of the project, its benefits and expected outcomes for laying a better foundation of forthcoming projects of similar nature	
	Unit 2	**Research/Case study/Forecast/Product analysis**	CO1,CO2

	A	Investigation of the topic-related information, technical terminology, guidelines, learning from the past trends and forecasting the futuristic approach			
	B	Study of existing subject-related projects, their shortcomings, potentials, area programs etc. For formation of a more sound itinerary for the new project			
	C	Examining the Product area, its competition,differentian in design and market			
	Unit 3	**Conceptual design**			CO1,CO2,CO3
	A	Spatial planning and zoning for a better understanding of inter-connection of spaces			
	B	Working out the functional aspects, circulation, overall flow of activities from the entrance to all the connected spaces, directly or indirectly			
	C	Figurative planning showing basic components of design and preliminary specifications.			
	Unit 4	**Design Development**			CO1,CO2,CO3,CO4
	A	Detailed plans with worked out specifications, material with dimensions			
	B	Plans of various services such electrical, plumbing, RCPs, lighting design, HVAC etc.			
	C	Estimation of the project.			
	Unit 5	**Final presentation**			CO1,CO2, CO3,CO4
	A	Presentation design drawings with colour codes, complete with relevant textures, hatch, line weights, dimensions and nomenclature			
	B	Three dimensional views of spaces and well-rendered elevations, sections and other relevant drawings.			
	C	Three-dimensional model, physical or virtual, showing overall flow explaining entire design scheme in detail			
	Mode of examination	Jury			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*				
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	2	1	1	2	1	3	2	1	2	2
CO2	3	1	1	2	3	-	2	2	1	1	2	2	3
CO3	1	2	3	1	1	3	3	1	1	3	2	1	2
CO4	2	2	1	2	1	1	1	2	3	1	2	2	2
CO5													
CO6													

School: SAP		**Batch : 4th Year**			
Program: B.Design		**Current Academic Year: 2018-19**			
Branch: Interior Design design		**Semester: VIII**			
1	Course Code				
2	Course Title	Professional Training			
3	Credits	10			
4	Contact Hours (L-T-P)	0-2-8			
	Course Status	Compulsory			
5	Course O matbjective	1. To get an industry and market exposure. 2. To become industry oriented and learn to work under peer pressure of deadline and quality work.3. 3. Develop the entrepreneur skills			
6	Course Outcomes	CO1: Be able to fill the gap between concept and final product, so become professional CO2 : Think out of the box and execute within given limits and deadline. CO3: become sensible and learn to manage their time and resources effectively . CO4 : be aware of the environmental issue and sensitive towards society and nature.			
7	Course Description	This course requires student to do an industry training for at least 3.5 months equivalent to one semester. At the end , students are required to submit an internship report along with a work portfolio.			
8	Outline syllabus				CO Achievement
	Unit 1	**Internship**			**CO1, CO2, CO3, CO4**
	Unit 2	**Internship**			
	Unit 3	**Internship**			
	Unit 4	**Internship**			
	Unit 5	**Internship report**			
	Mode of examination	Jury/Practical/Viva			
	Weightage Distribution	CA	MTE	ETE	
		60%	0%	40%	
	Text book/s*	-			
	Other References				

POs COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4

CO1	2	1	2	2	1	1	2	1	3	2	1	2	2
CO2	3	1	1	2	3	-	2	2	1	1	2	2	3
CO3	1	2	3	1	1	3	3	1	1	3	2	1	2
CO4	2	2	1	2	1	1	1	2	3	1	2	2	2
CO5													
CO6													

1-Slight (Low)
2-Moderate (Medium)
3-Substantial (High)