

SCHOOL OF PLANNING ARCHITECTURE AND DESIGN EXCELLENCE

CURRICULUM AND SYLLABUS

Under CBCS

(Applicable for Students admitted from Academic Year 2023-24)

B. DES. (Interior Design)

HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCE

CHENNAI

BACHELOR OF DESIGN – INTERIOR DESIGN, B.Des (ID) Curriculum with Effect from Academic Year 2023- 2024

			SEMESTER – I						
SL. NO	COURSE CATEGO RY	COURS E CODE	NAME OF THE COURSE	L	Т	Р	С	S	тсн
			THEORY						
1	PC	SID21001	History of Interior Design - I	3	0	0	3	0	3
2	PC	CSID21002Basics of Theory of Design3003							3
3	BS	SID21003	troduction to Indian Arts 3 0 0 3			3	0	3	
4	BS	SID21004	Anthropometrics & Ergonomics 3		0	0	3	0	3
			THEORY CUM STUDIO						
5	PC	SID21005	Drawing and Rendering	1	0	2	2	2	3
6	BS	SID21006	Fundamentals of Visualization and Representation - I	1	0	4	3	1	5
			STUDIO						
7	PC	SID21400	Basics of Interior Design - 1	0	0	8	4	1	8
		PEH	RSONALITY DEVELOPMENT						
8	HS	GLS51001	Communication skills	2	0	1	2	1	3
	TOTAL 16 0 15 23						23	5	31

			SEMESTER - II						
SL · N O	COURSE CATEGOR Y	COURSE CODE	NAME OF THE COURSE	L	Т	Р	С	S	тсн
			THEORY						
1	PC	SID21007	History of Interior Design-II	3	0	0	3	0	3
2	PC	SID21008	Advanced Theory of Design	3	0	0	3	0	3
3	PC	SID21009	Basics of Furniture Design	3	0	0	3	0	3
4	BS	SGE51001	Environmental Science	2	0	0	2	0	2
	•	•	THEORY CUM STUDIO					•	
5	BS	SID21010	Fundamentals of Visualization and Representation – II	1	0	4	3	1	5
6	BS	SID21011	Basic Materials and Construction Techniques	2	0	2	3	1	4
7	EEC	SID21012	Basics of Computer Design and Digital Fabrication	1	0	4	3	0	5
			STUDIO					•	
8	PC	SID21401	Basics of Interior Design – II	0	0	8	4	0	8
			VALUE ADDED PROGRAMME						
9	EEC		Summer Internship	Minimum of 3 Weeks				ks	
		TO	ГАL	15	0	18	24	2	33

			SEMESTER - III						
SL N O	COURS E CATEGO RY	COURS E CODE	NAME OF THE COURSE		Т	Р	С	S	TC H
			THEORY						
1	PC	SID21013	History of Interior Design – III	3	0	0	3	0	3
2	PC	SID21014	Interior Landscape	3	0	0	3	0	3
3	BS	SID21015	Design Thinking and Application	3	0	0	3	0	3
4	DE	SID215**	Elective – I	3	0	0	3	0	3
			THEORY CUM STUDIO						
5	BS	SID21016	Advanced Materials and Construction	2	0	2	3	2	4
			Techniques						
6	BS	SID21017	Basics of Interior Services	2	0	2	3	2	4
			STUDIO						
7	PC	SID21402	Interior Design Studio –I	0	0	8	4	2	8
			VALUE ADDED PROGRAMME	•	-				
8	EEC	SID21800	Summer Internship - I	*	*	*	1	*	*
			TOTAL	16	0	12	23	6	28

			SEMESTER - IV						
S L. N	COURS E CATEGO RY	COURS E CODE	NAME OF THE COURSE	L	Т	Р	С	S	ТСН
			THEORY						
1	PC	SID21018	Advanced Furniture Design	3	0	0	3	0	3
2	BS	SID21019	D21019Basics of Structural Design300					0	3
3	DE	SID215**	Elective – II	3	0	0	3	0	3
			THEORY CUM STUDIO						
4	EEC	SID21020	Advanced Computer Design and Digital Fabrication.	1	0	4	3	2	5
5	BS	SID21021	Interior Services (Intermediate)	2	0	2	3	1	4
			STUDIO						
6	PC	SID21403	Interior Design studio – II	0	0	10	5	2	10
			VALUE ADDED						
7	FEC		FRUGKAMINE Summer Internshin, II		Mi	nimu	mof	3 11/	aalze
/	EEU								20
			IUIAL	12	0	16	20	5	28

			SEMESTER - V						
SL · N O	COURSE CATEGOR Y	COURSE CODE	NAME OF THE COURSE	L	Т	Р	С	S	ТСН
			THEORY						
1	PC	SID21022	Sustainable Design	3	0	0	3	0	3
2	BS	SID21023	Advanced Structural Design	3	0	0	3	1	3
3	DE	SID215**	Elective – III (MOOC)	3	0	0	3	0	3
4	NE	NDE1	Non-Department Elective - I	2	0	2	3	2	4
	·		THEORY CUM STUDIO						
5	PC	SID21024	Lighting and Acoustics in Interiors	2	0	2	3	0	4
6	BS	SID21025	Advanced Interior Services	2	0	2	3	1	4
			STUDIO						
7	PC	SID21404	Interior Design Studio - III	0	0	8	4	1	8
			VALUE ADDED PROGRAMME			•	•		
8	EEC	SID21801	Summer Internship - II	0	0	0	1	0	0
			TOTAL	15	0	14	23	5	29

			SEMESTER - VI						
SL. NO	COURSE CATEGORY	COURSE CODE	NAME OF THE COURSE	L	Т	Р	С	S	ТСН
			THEORY						
1	EEC	SID21026	Professional Practice for Interior Designers	3	0	0	3	0	3
2	PC	SID21027	Green Interiors	3	0	0	3	0	3
3	BS	SID21028	Modern and Contemporary Interior Design	3	0	0	3	0	3
4	DE	SID215**	Elective – IV (MOOC)	3	0	0	3	0	3
5	NE	NDE 2	Non-Department Elective - II	2	0	2	3	2	4
			THEORY CUM STUDIO						
6	PC	SID21029	Conservation and Renovation	2	0	2	3	2	4

			STUDIO						
7	PC	SID21405	Interior Design Studio - IV	0	0	8	4	0	8
8	EEC	SID21802	Dissertation	0	0	4	2	2	4
		r	FOTAL	16	0	16	24	6	32

			SEMESTER - VII						
SL. NO	COURSE CATEGORY	COURSE CODE	NAME OF THE COURSE	L	Т	Р	С	S	ТСН
	·		STUDIO	•					
1	EEC	SID21803	Training	0	0	24	12	0	24
		T	OTAL	0	0	24	12	0	24

			SEMESTER - VIII						
SL NO	COURSE CATEGORY	COURSE CODE	NAME OF THE COURSE	L	Т	Р	С	S	ТСН
			THEORY						
1	DE	SID215**	ELECTIVE – V	3	0	0	3	1	3
2	DE	SID215**	ELECTIVE – VI	3	0	0	3	1	3
			STUDIO						
3	EEC	SID21804	Thesis	0	0	20	10	3	20
			TOTAL	6	0	20	16	5	26

	LIS	T OF DEPA	ARTMENTAL ELECTIVES GR SEMESTER WISE	OUI	PIN	G -			
SEM (Elec tive No.)	COURSE CATEGORY	COURSE CODE	NAME OF THE COURSE	L	Т	Р	С	S	ТСН
ELECTI	VE I						. <u> </u>	. <u> </u>	
III	DE	SID21500	Arts And Graphics in Interior 3 0 0 design 0 0 0				3	0	3
III	DE	SID21501	Applied Colour Theory	3	0	0	3	0	3
III	DE	SID21502	Cultural Anthropology	3	0	0	3	0	3
III	DE	SFA11009	Textiles and Costumes of India	3	0	0	3	0	3
ELECTI	VE II			I	<u> </u>		<u> </u>	<u> </u>	
IV	DE	SID21503	Inclusive Interiors	3	0	0	3	0	3
IV	DE	SID21504	Visual and Performing Arts	3	0	0	3	0	3
IV	DE	SID21505	Representation of Spaces	3	0	0	3	0	3
IV	DE	SFA11502	Technical Textile	3	0	0	3	0	3
ELECTI	VE III			I	<u> </u>		<u> </u>	<u> </u>	
V	DE	SAR51503	Product Design	3	0	0	3	0	3
V	DE	SAR51504	Set Design	3	0	0	3	0	3
V	DE	SID21504	Digital Modelling	3	0	0	3	0	3
ELECT	IVE IV			I	<u> </u>		<u> </u>	<u> </u>	
VI	DE	SID21505- SID21514	MOOC - COURSES RELATED TO INTERIOR DESIGN	3	0	0	3	0	3
ELECTI	VE V								
VIII	DE	SID21515- SID21524	MOOC – COURSES RELATED TO INTERIOR DESIGN	3	0	0	3	0	3
ELECTI	VE VI								
VIII	DE	SCD21529	Entrepreneurship and Marketing Techniques	3	0	0	3	0	3
VIII	DE	SID21525	Project Management	3	0	0	3	0	3
VIII	DE	SGE51500	Research Methods, Patents and IPR	3	0	0	3	0	3

SEMESTER I

COURSE TITLE	HISTORY	OF INTERIOR DESIGN	I - I	CREDITS	3					
COURSE CODE	SID21001	COURSE CATEGORY	РС	L-T-P-S	3-0-0-0					
Version	2.0	Approval Details		LEARNING LEVEL	BTL-3					
ASSESSMENT S	SCHEME									
First Periodical Assessment	Second Periodical Assessmen t	Seminar/ Assignments/ Project	Surprise Test / Quiz	Attendance	ESE					
15%	15%	10%	5%	5%	50%					
Course	In this course,	students will study about	the importar	nce of culture and	tradition in interior,					
Description	emphasis of el	ements in interior and diff	ferent conter	nporary styles in in	nteriors.					
Course Objective	 To unders To unders To unders To unders To unders To unders spaces. 	stand the importance of cu stand the evolution of inter stand the planning of inter stand the evolution and pla stand Harmony between an	lture and tra rior spaces fr iors in Budd anning of Hi rchitecture a	re and tradition in interior. spaces from ancient civilization. s in Buddhist and Jain temples ing of Hindu temples. itecture and interior in Christian religious						

Course Outcome

Prerequisites: Nil

CO, PO AND PSO MAPPING

СО	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10	РО- 11	PS O- 1	PSO -2	PS O -3	PSO -4	PSO -5
CO-1	2	2	2	-	2	2	1	3	1	1	1	2	1	1	2	3
CO-2	2	2	2	-	2	3	1	3	1	3	1	2	1	1	2	3
CO-3	2	3	3	-	2	2	1	1	1	1	1	2	1	1	2	3
CO-4	2	3	3	-	2	2	1	1	1	1	2	1	1	2	3	2
CO-5	2	2	1	-	-	3	1	1	1	1	1	2	1	1	2	3

1: Weakly related, 2: Moderately related and 3: Strongly related

MODULE 1 : - HISTORIC DEVELOPMENT OF INTERIOR SPACES

(9L+0P=9)

(9L+0P=9)

Cave paintings – Themes and methods of cave paintings - Prehistoric interiors – expansion of	CO_1
interior spaces. Interiors during Egyptian - Geometric patterns, Greek, Roman, Gothic, Early	
Christian and Byzantine Periods, Ensemble of art, crafts like sculpture, pottery etc in each era.	B1L-2

MODULE 2 : STRUCTURAL & NON STRUCTURAL

Timeline - types of structures. Examples of structural and non-structural. Indus valley civilization **CO-2** BTL-2 and Harappan civilization - planning, interior spaces and materials used.

MODULE 3 : INTERIOR SPACE AND RELIGION - BUDDHIST AND JAIN (9L+0P=9))

Duddhist and Isin faith Hammany between analitestum and interior in religious success the rise	CO-3
Buddnist and Jain faith - Harmony between architecture and interior in religious spaces – the play	
of light and shadow – art, sculpture, mould, wall treatments, roof treatments, floor treatments –	BTL-3
interiors as reflection of the faith – examples and case studies across faiths.	

MODULE 4 : INTERIOR SPACE AND RELIGION – HINDU

(9L+0P=9)

Evolution of Hindu temple - Early shrines of the gupta and chalukyan periods – Tigawa temple, Ladh Khan and Durga temple, Aihole, Papanatha and Virupaksha temples, Pattadakal.C B								
MOI	DULE 5: INTERIOR SPACE AND RELIGION – CHRISTIAN(9L-	+0 P=9)						
Chri and refle	stian faith - Harmony between architecture and interior in religious spaces – the play of light shadow – art, sculpture, mould, wall treatments, roof treatments, floor treatments – interiors as action of the faith – examples and case studies across faiths.	CO-5 BTL-3						
	TEXT BOOKS	_						
1	John F. Pile, A history of interior design, 2nd edition, Laurence King Publishing, 2005. Jeann Ireland, History of Interior Design, air child publications, illustrated ed., 2009	nie						
2	Elaine, Michael Dywer, Christopher Mackinnon, Norman A. J. BerisfordDenby , A History of Interior Design, Rhodec International, 2000							
3	3 Sir Banister Fletcher, A History of Architecture, CBS Publications (Indian Edition), 21st Edition 2019.							
	REFERENCE BOOKS							
1	GiedionSigfried, Space, Time and Architecture: The growth of a new tradition, 5th ed. HarvardUniversity Press, Cambridge, 2008.							
2	2 Richard Ingersoll, World Architecture: A Cross-Cultural History, Oxford University Press; 2 edition 2018							
MOO	c							
1	https://study.com/academy/lesson/the-history-of-interior-design.html							
2	https://www.nda.ac.uk/study/courses/fda-degree/heritage-interior-design							

COURSE TITLE	BASICS OF THEORY OF DESIGN CREDITS 3											
COURSE CODE	SID21002	COURSE CATEGORY	L-T-P-S	3-0-0-0								
Version	2.0	Approval Details	LEARNING LEVEL	BTL-4								
ASSESSMENT SCHEME												
First Periodical Assessment	Second Periodical Assessment	Second Periodical AssessmentSeminar/ Assignments/ ProjectSurprise Test / QuizAttendanceES										
15%	15%	10%	5%	50%								
Course Description	In this course, students will learn about the basic concepts of design with respect to its composition and theory of colours. They also learn about the colour variation and its intensity with its usage in the field of design which has impact on various fields.											
Course Objective	 To familiarize students with basics of theory of design concepts and principles To ensure students can practice the methods, processes and tools of theory of design To enable the students to analyze the making and the composition of different compositions. To ensure students can apply theory of design approach in the field of designing the Interior Spaces 											

5. To develop the meaning of space in reference to color and other elements	Course Outcome	 Upon completion of this course, the students will be able to To understand the basics elements and principles of design. To develop the understanding of shapes in reference to elements and principles. To understand space making using solid shapes creating visual composition. To develop the vision of color and color wheel in different scenarios. To develop the meaning of space in reference to color and other elements
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Prerequisites: Nil

CO, PO AND PSO MAPPING

	-	-			-			-		-	-		-	-		
СО	PO -1	PO -2	PO -3	PO -4	РО -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PSO -1	PSO -2	PSO -3	PSO -4	PS O -5
CO-1	3	2	1	-	1	1	2	3	1	1	2	3	-	-	-	1
CO-2	2	1	1	-	1	2	2	3	1	1	2	3	-	-	-	1
CO-3	3	2	1	-	1	1	2	3	1	1	1	3	-	-	-	1
CO-4	2	2	1	-	1	1	2	3	1	1	2	3	-	-	-	1
CO-5	3	1	1	-	1	1	2	2	1	1	2	3	-	-	-	1

1: Weakly related, 2: Moderately related and 3: Strongly related

MODULE 1 – INTRODUCTION TO ELEMENTS AND PRINCIPLES OF DESIGN (10L+0P=10)

CO-1

BTL-2

Definitions and meaning of design, importance of design, examples of design from nature. Fundamental elements of design in 2-D and their definitions; point, line, shape, form, space, texture, value, color and material. Introduction to the principles of design in 2-D and 3D - unity, balance, symmetry, proportion, scale, hierarchy, rhythm, contrast, harmony, focus, etc. ; use of grids, creating repetitive patterns.

MODULE 2: CONCEPTS OF GEOMETRY(8L+0P=8)Introduction to different 3-D forms and primitive shapes and forms. Transformation of 2-D to 3-
D. Geometrical forms and their characteristics: regular form, irregular form, transformation of
form, additive form, subtractive form, formal collisions of geometry.CO-2
BTL-2MODULE 3: PRINCIPLES OF COMPOSITION(7L+0P=7)

 Principles of composition using grids, symmetrical/ asymmetrical, Rule Of Thirds, Center Of
 CO-3

 Interest, Gestalt's Theory of Perception and Visual Composition, Proportioning systems BTL-3

 Golden Ratio, Fibonacci series.
 BTL-3

MODULE 4: THEORY OF COLOURS	(12L+0P=12)					
Introduction –visible spectrum, colored light, color temperature, color interaction, color- blindness. Color wheel – primary, secondary, tertiary colors, color schemes, color value, intensity, hues – tints, shades, neutralization. Color harmony, use of color harmony. Psychological impact of color – warm, cool and neutral colors, color and form, color and li color and surface qualities, color and distances and scales.	cO-4 BTL-3					
MODULE 5: DEFENITION OF SPACE AND SPACE MAKING ELEMENTS	(8L+0P=8)					
Vertical and horizontal elements defining space: base plane, elevated plane, vertical planes enclosure and openings. Defining an interior space, qualities of space, scale- human scale, monumental scale, Proportion- width and heights, spatial transitions.	, CO-5 BTL-3					
TEXT BOOKS	I					
Francis D. K. Ching, 'Architecture - Form, Space and Order', Van Nostrand Reinhold Company ,2007.						
V.S.Pramar, 'Design Fundamentals in Architecture', Somaiya Publications, New Delhi, 2007						
REFERENCE BOOKS						
1Ching, Francis D.K. Architecture Form, space, and Order, 3rd ed. Van Nostrand Re York, 2007.	einhold, New					
MOOC						
1 https://www.edx.org/course/design-theory						
2 https://www.edx.org/course/design-thinking-fundamentals-ritx-think501x						

COURSE TITLE	INTRODUCTION TO INDIAN ARTS CREDITS 3											
COURSE CODE	SID21003	COURSE CATEGORY BS		L-T-P-S	3-0-0-0							
Version	2.0	Approval Details		LEARNING LEVEL	BTL -3							
ASSESSMENT SCHEME												
First Periodical Assessment	SecondSeminar/SurprisePeriodicalAssignments/Test /AssessmentProjectQuiz											
		Ŷ	C C									
15%	15%	10%	5%	5%	50%							
15% Course Description	15% In this course st various art form design from pre- narrations and st	10% Eudents will learn about s related to the design of historic times to the pro- ketches.	5% the basics o of Interior sp esent times i	5% f History of Interiors to ex paces. The transformation is s studied with the help of	50% splore the in the style of various							

Course Outcome	 Upon completion of this course, the students will be able to - To understand the evolution of art in interiors during the prehistoric period To understand the different traditional contemporary art form with different tools and techniques. To explore the different ornaments and accessories in historic interiors To understand the spatial scale in Buddhist, Islamic and Hindu art forms To explore the various art forms throughout the world during 9th and 20th century
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Prerequisites:

CO, PO AND PSO MAPPING

со	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	P O- 8	PO -9	PO -10	PO -11	PO- 12	PSO -1	PSO -2	PS O - 3	PSO -4
CO- 1	2	2	2	-	2	2	1	3	1	1	1	2	1	1	2	2
CO- 2	2	2	2	-	2	3	1	3	1	3	1	2	1	1	2	2
CO- 3	2	3	3	-	2	2	1	1	1	1	1	2	1	1	2	2
CO- 4	2	3	3	-	2	2	1	1	1	1	2	1	1	2	3	2
CO- 5	2	2	1	-	-	3	1	1	1	1	1	2	1	1	2	2
1: Wea	1: Weakly related, 2: Moderately related and 3: Strongly related															
MODU	MODULE 1 – PURPOSE AND RELEVANCE OF ART DEVELOPMENT (10L+0P=10)) P=10)					
A surv	A survey of history of art forms: pre historic times to present times: changing nature of art through time in terms of content: form and material.											CO-1 BTL	l -3			
MODU	J LE 2	: EXF	PLOR	ATIO	N OF	ART	FOR	MS							(8L+0	P=8)

Study of traditional and contemporary art forms – painting, sculpture, architecture, decorative arts, design arts, digital art. Relationship between art and design from the earliest time.							
MOD	ULE 3: STUDY OF ORNAMENTS & ACCESSORIES	(7L+0P=7)					
Ornaments & Accessories in Interior Design. Different types of Ornamentation & Accessories in the interiors. Study and evaluation of artefacts, historic examples and their applicability.							
MOD	ULE 4: NEW DIRECTIONS IN ART (1	12L+0P=12)					
Conte Impre Futuri and m	xt for new directions in art in the late 19th and early 20th century Impressionism – post ssionism – Fauvism- Expressionism- Cubism Dadaism – Surrealism - abstract art – Ism – Constructivism- De Stijl -Abstract Expressionism - Pop art - Op art- new forms hedia of art.	CO-4 BTL-3					
MOD	ULE 5: WORKS OF FAMOUS ARTISTS	(8L+0P=8)					
Study of famous and influential Artists, Craftsmen and people who pioneered innovations in their own fields and their influence on design and other fields. Works of Van Gogh, Dali, William Morris, Piccaso, Da Vinci.							
Suggested Reading: http://www.nios.ac.in/media/documents/dled/Block1_508.pdf							
	TEXT BOOKS						
1	Alan Barnard & Jonathan Spencer, Encyclopaedia of social and cultural anthropology, R edition, 2002	outledge; 1					
2	Niggel Rapport, Social and Cultural Anthropology: The Key Concepts, Routledge, 2000						
3	Elizabeth. D. Hutchinson, Sage publications, Dimensions of Human Behavior, person and Environment, 2007.						
4	Kumar Raj (Ed) Essays on Indian Art and Architecture. Discovery pub., New Delhi, 2003						
5	Ghosh. A (Ed). Jain Art and Architecture Vol 1-3. BharatiyaJnanpith.New Delhi.						
6	Christine M. Piotrowski, Becoming an Interior Designer, John Wiley and Sons, 2003.						
REFE	RENCE BOOKS						
1	Henry Wilson, India: Decoration, Interiors, Design, Watson Guptill, First American editi	ion,2001					

2	Michael Freeman, India Modern, Periplus editions, 2005
3	Sunil Sethi, Angelika Taschen, Indian Interiors, TASCHEN America Ltd; 25th ed. edition, 2009
ΜΟΟ	C
1	https://study.com/academy/lesson/the-history-of-interior-design.html
2	https://www.nda.ac.uk/study/courses/fda-degree/heritage-interior-design

COURSE TITLE	ANTHROPOMETRICS AND ERGONOMICS CREDITS 3										
COURSE CODE	SID21004	COURSE CATEGORY	BS	L-T-P-S	3-0-0-0						
Version	2.0	Approval Details		LEARNING LEVEL	BTL-4						
ASSESSMENT S	SCHEME										
First Periodical Assessment	Second Periodical Assessment	Seminar/ Assignments/ Project	Surprise Test / Quiz	Attendance	ESE						
15%	15%	10%	5%	5%	50%						
CourseIn this course, the students will learn the basics of Anthropometrics and ergonomics which will help them to design furniture and interior according to the human proportions withDesign furnitureIn the full set of the student set of the											

Description respect to the end-Users of the product. This can enhance the design to promote good health and posture.

	1. To guide the students to understand human factors that need to be considered when designing products and interior.
	2. To ensure that the students understand the term personal preference, style, and
Course	fashion with respect to their impact of products.
Objective	3. To enable the students to explore the influence of anthropometry and ergonomics
	in design.
	4. To enable the students to design a framework taking into consideration the various
	factors affecting behavior aspect of human in anthropometry.
	Upon completion of this course, the students will be able to -
	1. To analyze and identify the anthropometrics and ergonomics in daily life
	2. To understand and analyze the stress factors on human body in various tasks
Course	3. To understand and analyze the furniture for different types of works and their
Outcome	effects on human body
	4. To be able to create a standard measurement / dimension for a given task based on percentile methods
	5. To understand and analyze the cognitive and behavioral aspects of humans with respect to furniture
Prerequisites: Ni	1

CO, PO AND PSO MAPPING

СО	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PS O- 1	PSO -2	PSO -3	PSO -4	PSO -5
CO-1	2	2	3	1	1	1	2	3	1	2	1	3	1	1	1	2
CO-2	-	-	3	2	2	1	2	3	1	2	1	2	1	1	3	2
CO-3	-	-	3	2	2	1	2	3	1	2	1	2	3	2	1	2
CO-4	-	-	3	2	2	1	2	3	1	2	1	3	1	1	1	2
CO-5	-	-	3	2	2	1	2	3	1	2	2	1	1	3	2	2

1: Weakly related, 2: Moderately related and 3: Strongly related

MODULE 1 – NEED FOR STUDY

(9L+0P=9)

(9L+0P=9)

Introduction to Ergonomics, Need for study of anthropometric and ergonomics, Design today -	CO-1
Human aid to lifestyle.	BTL-4

Environmental factors influencing human performance, Ergonomics in India. Ergonomics/ human Factors fundamentals, Physiology (work physiology) and stress.									
MODU	LE 3: HUMAN PHYSICALDIMENSION	(9L+0P=9)							
Human physical dimension concern: Human body- structure and function, anthropometrics, Anthropometry: body growth and somatic types, Static and dynamic anthropometry, Stand Posture- erect, Anthropometry landmark: Sitting postures, Anthropometry: squatting and cross-legged postures, Anthropometric measuring techniques, Statistical treatment of data and percentile calculations									
MODU	LE 4: HUMAN BODY STRUCTURE AND FUNCTION	(9L+0P=9)							
Posture work s	e and job relation, Posture and body supportive devices, Chair characteristics, Vertical urface, Horizontal work surface, movement, work Counter.	CO-4 BTL-4							
MODU	LE 5: BEHAVIOUR AND PERCEPTION	(9L+0P=9)							
Comm Inform and ris	unication and cognitive issues, Psychosocial behavior aspects, behavior and stereotype, ation processing and perception, Cognitive aspects and mental workload, Human error k perception.	CO-5 BTL-4							
Т	EXT BOOKS	1							
1	Alan Barnard & Jonathan Spencer, Encyclopedia of social and cultural anthropology, Ro edition, 2002	outledge; 1							
2	Niggel Rapport, Social and Cultural Anthropology: The Key Concepts, Routledge, 2000								
3	Elizabeth. D. Hutchinson, Sage publications, Dimensions of Human Behavior, person ar Environment, 2007.	ıd							
4	Kumar Raj (Ed) Essays on Indian Art and Architecture. Discovery pub., New Delhi, 200	03							
5	5 Ghosh. A (Ed). Jain Art and Architecture Vol 1-3. BharatiyaJnanpith.New Delhi.								
F	REFERENCE BOOKS								
1	Christine M. Piotrowski, Becoming an Interior Designer, John Wiley and Sons, 2003.								
2	Henry Wilson, India: Decoration, Interiors, Design, Watson Guptill, First American edition, 2001								
3	Michael Freeman, India Modern, Periplus editions, 2005								
4	Sunil Sethi, Angelika Taschen, Indian Interiors, TASCHEN America Ltd; 25th ed. editio	on, 2009							
моос									

1	https://study.com/academy/lesson/the-history-of-interior-design.html
2	https://www.nda.ac.uk/study/courses/fda-degree/heritage-interior-design

COURSE TITLE	DRAWING AND H	RENDERING	CREDITS	2							
COURSE CODE	SID21005	COURSE CATEGORY	PC	1-0-2-0							
Version	2.0	Approval Details		BTL-3							
ASSESSMENT S	ASSESSMENT SCHEME										
1st Periodical Assessment	2nd Periodical Assessment	Portfolio Assessment	ESE								
15%	15%	20%	50%								
Course Description	The course introduces the visual language of drawing through sketching, color theory, aesthetic composition and rendering techniques. The course develops insights in the mechanisms of visual perception, how the individual components of the drawing relate to the whole and compositional organization.										
Course Objective	 Introduction Learn sketch Learn colour Learn about 	of drawing as a visual lar ing and free hand drawin theories and its applicati various aesthetic compos	nguage and g to scale. on in desig ition of dra	d a means of comm gn awing elements and	unication						

	5. Introduction to various rendering techniques adopted in presentation.
Course Outcome	 Upon completion of this course, the students will be able to Understand the role of drawing as a means of communication and a visual language. Apply sketching and free hand drawing to scale in his exercises. Analyze colour theories and its applicability in various contexts. Analyze the various aesthetic compositions and its applicability in design. Understand the various rendering techniques and their usages in presentation of sheets.
Prerequisites: Nil	

CO, PO AND PSO MAPPING

CO	PO	PO	PO	PO	PO	PO-	PO	PO	PO	PO	PO-	PSO	PSO	PSO	PSO-	PSO
CU	-1	-2	-3	-4	-5	6	-7	-8	-9	-10	11	-1	-2	-3	4	-5
CO-1	3	2	1	-	2	2	1	1	1	1	-	3	-	3	-	1
CO-2	3	2	1	-	2	2	1	1	1	1	-	3	-	3	-	1
CO-3	1	2	3	-	3	1	1	1	1	1	-	3	-	3	-	1
CO-4	1	2	3	-	3	1	1	1	1	1	-	3	-	3	-	1
CO-5	2	2	2	-	1	-	-	1	1	1	-	3	-	3	-	1

1: Weakly related, 2: Moderately related and 3: Strongly related

Module:1 – Introduction to Drawing – number of periods

(2L+4P=6)

(2L+4P=6)

General instructions on freehand drawing & lettering • Introduction of "Drawing" as a visual language • Basic information on Drawing materials & tools: - Drawing board, Drawing paper, Pencils, Eraser, Cello tape, etc. • Different types of Drawing sheets, & their use. • Gradation of Pencil & their use; Tonal gradation of lines • Freehand Lettering: - Style in lettering- Vertical & Italics; Single stroke Architectural style; Upper case & Lower case • Study of Compositions of lettering; Borderlines & Nameplate.

Module: 2 – Introduction to sketching – number of periods

Learning Sketching, Drawing, and visual thinking Free-hand drawing appropriate to visual & CO - 2

architectural representation, indoor & outdoor sketching, drawing from observation, terminology & abbreviations used in visual representation, Sheet layouts, line & shape, tone & texture, figure & ground, Color & value, lettering & art lettering, dimensioning, shading,

symbo	bls & scale.	
Modu	lle: 3 – Color – number of periods	(2L+4P=6)
Color Colou inform Modu	theory • Basic information on, Colouring materials: - Colour mixing Pallet, Brushes and rr (Water colour, colour pencil, crayon, poster, pastel etc). • Colour Science & Basic nation on use of colour ale: 4 – Aesthetic composition – number of periods	CO - 3 BTL - 4 (2L+4P=6)
Freeh Graph design	and Composition with set of lines &marks in pencil & color. • Aesthetic organization: ic representations – Visual composition and Abstraction- Exercises involving Logo h, collage, calligraphy and printing.	CO – 4 BTL - 4
Rende drawi rende Archi expos	ering Techniques Representation technique of plan, elevation & section in architectural ng. Kinetics & Optics, Monochromatic & different themes of rendering, architectural ring techniques using pen & ink, color, values, tones, and general approach to rendering. tectural representation of trees, hedges, foliage, human figures, cars, symbols etc., ure to various mediums of presentation	CO – 5 BTL - 2
TEXT	Г BOOKS	_
1	Atkins, B. (1986). Architectural Rendering. California : Walter Foster Art Books.	
2	Ching, F. D. K. (2011). A Visual Dictionary of Architecture. 2nd Ed. John Wiley & Sons	
REFI	ERENCE BOOKS	
1	Webb, Frank, "The Artist guide to Composition", David & Charles, U.K., 1994.	
2	Drawing a Creative Process", Ching Francis, Van Nostrand Reinhold, New York, 1990.	
3	Alan Swann, Graphic Design School, Harper Collins, 1991.	
4	Moivahuntly, "The artist drawing book", David & Charles, U.K., 1994.	
E-BO	OKS	
1	https://study.com/academy/lesson/the-history-of-interior-design.html	
MOO	C	
1	https://www.edx.org/learn/drawing/the-university-of-newcastle-australia-drawing-nature- culture-natural-history-illustration-101	science-and-

COURSE TITLE	FUNDAMENTALS REPRESENTATIO	OF VISUALIZA N - I	TION AND	CREDITS	3
COURSE CODE	SID21006	COURSE CATEGORY	BS	L-T-P-S	1-0-4-1
Version	2.0	Approval Details		LEARNIN G LEVEL	BTL-3

ASSESSMENT SCHEME

1st Periodical Assessment	2nd Periodical Assessment	Portfolio Assessment	ESE
15%	15%	20%	50%
Course Description	In this course students They will be introduce section of solids.	will learn about the dwith the basics of the basic sector of the basic sector b	he basics of projection and drafting techniques. of construction which will include projection and
Course Objective	 To ensure that To acknowled To ensure that different positi To ensure that points. 	the students learn ge the students wi the students learn ions. the students learn	a about the basics of drafting the geometric shapes. The various projection techniques. In about the sections of combinations of solids in about the perspectives with varied vanishing
Course Outcome	Upon completion of th 1. To understand 2. To impart kno 3. To learn about 4. To understand 5. To learn to dra	is course, the stud scales and constr wledge about orth projection of var the development w the isometric p	lents will be able to - uction of various conic sections. nogonal projection. ious solids and their combinations. of surfaces and intersection of surfaces. rojection of planes, and objects.

Prerequisites: Nil

CO, PO AND PSO MAPPING

СО	PO -1	PO -2	PO -3	PO -4	РО -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PS O- 1	PSO-2	PS O -3	PSO -4	PSO -5
CO-1	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-
CO-2	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-

			1		2	1	1	1	1			1	3				-
CO-3	2	-	T		-	-			-	_	-	-	C	-		-	
CO-4	2	-	1	-	2	1	1	1	1	-	-	1	3	-		-	-
CO-5	2	-	1	-	2	1	1	1	1	-	-	1	3	-		-	-
1: Weal	kly re	lated,	2: Mo	oderat	tely rel	ated a	and 3	: Stro	ngly r	elated	1						
MODU	LE 1 ·	– GEC	OMET	FRIC	AL CC	DNST	RUCI	ΓΙΟΝ	S						(3)	L+12]	P=15)
SCAL	ES: Co	onstruc	ction c	of plai	n scale	and d	iagon	al sca	le								
CONIC directri and int method Constru- helix, c	C SEC x and ersection l. Con uction conica	TION eccen ing arc structi of Ar l helix	S: Con tricity c meth on of chime and s	nstruc . Cons lod. Co hyper dean s quare	tion of structio onstruc bola – spiral a helical	conic on of e tion o given nd Lo sprin	section llipse of para the as garith g	ons giv – con bola t ympto mic sj	ven the centric by rect otes an piral H	e dista c circl angula id a po IELIX	nce of e meth ar meth oint on (: Con	focus od, re- hod an the cu structi	from th ctangula id by tau irve SP on of c	ne ar me ngent IRAL ylindr	thod S: rical	CO- BTL	1 ,-3
MODU	LE 2:	PRO	JECT	IONS	5										(3)	L+121	P =15)
FIRST ar	igle pi	ojecu	on Poi	ints an	nd Line	s: Ort	hogra	phic p	rojecti	ion of	lines f	or any	given	condi	tion.	CO	
determ Planes	ination : Trac LE 3:	n of tr es of p SOL	on Por ue leng olanes	ints an gth, tr , plan	nd Line aces an le figur	s: Orti nd incl e incli	hograj inatio ined to	phic p ns to t o one o	rojecti the pla or botl	ion of ines of n the r	lines f f proje eferen	or any ction c ce pla	given of any g	condit iven l	tion, line (3I	BTI	2-3 (=15)
MODU Solids: spheres	Igle prination : Trac LE 3: Simp s and the	solution of trues of provide the solution of true solution of the solution of	on Por ue leng blanes IDS ds in s ombin nbinat	ints an gth, tr , plan simple ations	nd Line aces an e figur position placeo Change	s: Orti ad incl e incli on, pri l in di e of po	hograj inatio ined to sms, r fferen osition	phic p ns to t o one o regula t positi and a	rojecti the pla or both r pyrat tions	ion of ines of n the r mids, Auxili ry pla	lines f f proje eferen tetrahe ary pro- ne met	or any ction of ce plan edron, ojectio hod.	of any g of any g nes octahec	condit jiven l dron, c imple	tion, line (3I cone,	BTI L+12P CO BTI	2-3 9=15) -3 L-3
MODU Solids: spheres solids a	LE 3: Simp and the	solution solution solution le solution heir cor section	on Poi ue len blanes IDS ds in s ombin nbinat	ints an gth, tra , plan simple ations ions. (S & D	nd Line aces an e figur position placed Change DEVEI	s: Orti ad incl e incli on, pri l in di e of po	hograj inatio ined to sms, 1 fferen osition	regula t positi SOF S	rojecti the pla or both r pyran tions auxilia	ion of ines of n the r mids, Auxili ry pla	lines f f proje eferen tetrahe ary pro- ne met	or any ction of ce plan edron, ojectio hod.	of any g of any g nes octahec	condit jiven l dron, c imple	tion, line (3I cone, (3]	BTI L+12P CO BTI	2-3 ² =15) -3 L-3 ² =15)
MODU Solids: spheres solids a MODU Intersec solids: surface and tru	LE 3: Simp and the LE 4: Ction of Section Section Section Section Section	solution of the solution of surf on of surf	on Por ue len blanes IDS ds in s ombin nbinat rion aces: l imple nent of s.	ints an gth, tra , plan simple ations ions. (S & D Line o solids f surfa	d Line aces an e figur position placed Change DEVEI of inters by pla aces of	s: Orti ad incl e incli on, pri l in di e of po .OPM section mes in simple	hograj inatio ined to sms, 1 fferen osition IENT n of tw iclined e solid	regula t positi and a SOF s vo pris l. True ls, pri	r pyrat tions auxilia SOLII sms, tw e shap sms, c	ion of ines of n the r mids, Auxili ry pla DS wo cyl e of se ylinde	lines f f proje eferen tetrahe ary pro- ne met inders ections ers, pyr	edron, bjection collection collection chod.	of any g of any g nes octahed ons of si one Sec elopmer	condit iven 1 dron, c imple ction c nt of , sphe	tion, line (3I cone, (3] of eres	L+12P CO BTI L+12I CO BTI	2-3 2=15) -3 2-3 2=15) -4 2-3
MODU Solids: spheres solids a MODU Interses solids: surface and tru MODU	LE 3: Simp s and the LE 4: ction c Section s: Dev ncated LE 5:	solution of the solution of the solution of the solution of solution of surface of surfa	on Por ue leng blanes IDS ds in s ombin nbinat rion aces: l imple hent of s. TERIA	ints an gth, tra , plan simple ations ions. (S & D Line o solids f surfa	d Line aces an a figur positio placed Change DEVEI of inters by pla aces of ROJEC	s: Orti ad incl e incli on, pri l in di e of po cOPM section unes in simple	hograj inatio ined to sms, i fferen osition IENT n of two celined e solid	phic p ns to to o one of regula t positi a and a SOF S vo pris d. True ds, pri	rojecti the pla or both r pyran tions auxilia SOLII sms, tw e shap sms, c	ion of ines of n the r mids, Auxili ry pla DS wo cyl e of se ylinde	lines f f proje eferen tetrahe ary pro- ne met inders ections ers, pyr	or any ction of ce plan edron, ojectio hod. and co . Deve camids	of any g of any g nes octahed ons of si one Sec elopmer s, cones	condit given 1 dron, c imple ction c nt of , sphe	tion, line (3I cone, (3) of eres (3L-	BTI BTI CO BTI CO BTI CO BTI FI2P =	2-3 2=15) -3 2-3 2-3 2-3 -4 2-3 -4 2-3 -4 2-3 -4 2-3 -5 -5 -5 -5 -5 -5 -5 -5 -5 -4 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -4 -5

TEXT	BOOKS
1	N.D.Bhatt, 'Elementary Engineering Drawing', 53rd edition, Charotar, 2014
2	CariLaraSvensan and William Ezara Street, 'Engineering Graphics',
REFEI	RENCE BOOKS
1	Engineering Drawing And Graphics by Prof. K Venugopal, New Age International (P) Ltd., Publishers, 2020.
2	S. Rajaraman, 'Practical Solid Geometry'
MOOO	
1	http://nptel.ac.in/noc/individual_course.php?id=noc17-ce03
2	http://nptel.ac.in/courses/112103019/

COUR TITLE	RSE E		BASI	ASICS OF INTERIOR DESIGN - 1 CRED							CREDITS 4								
COUR CODE	RSE 2		SID21	400		(COUR CATE	RSE GOR	Y	PC	C	L-'	Г-P-S		0-0	-8-1			
Versio	n		2.0			A	Appro	val D	etails			LE LE	ARNIN VEL	NG	ВТ	`L-4			
ASSES	SME	NT SC	CHEM	E															
Cont Assess	tinuou sment	is - 1	C Ass	ontin essme	uous ent – H		Co Asse	ntinu essmei	ous nt III			Sumi	native	Assess	ment				
2	0%			20%	0			10%					509	%					
Course	e	Ι	n this c	course	studer	nts wil	l learr	n abou	t the c	reativ	e appro	baches	stoward	ls the p	rocess	of			
Descri	ption	e	evolvin	g a de	sign fr	om its	primi	tive s	tage.										
Course Object	e tive		2. 3. 4.	metho To en To ma storm To en	odology sure th ake the ing sure th	y to co e stude stude at the	ents de nts un studer	e or co evelog dersta nts eve	ontinu o gene and the olve th	e a cre rative impo e desi	eative j design rtance gn usin	oroces think of mi	s. ing app nd mapj ic sketc	roache ping an	s d brair repres	n entation			
Course Outco	e me	τ	Jpon co 1. 2. 3. 4. 5.	omple To int To de To wo To co outpu To un	etion of tegrate velop a ork in h llabora t. derstar	this c the un and un ands te both ad the	ourse, dersta dersta with c h tech evolut	the standing and gra oncep nical l	tudents g towar aphica ts and knowle f desig	s will rds cre l repre creati edge a m from	be able eative t esentat ve thir long w n basic	e to - hinkin ion of king t vith cr conc	ng techn elemen that repr eativity epts to c	iiques ts. resent t , theme design	he same and re outputs	e endering 3.			
Prerequ	uisites	: Ni	1																
CO, PO) ANE) PSC) MAP	PINC	, T														
со	PO -1	PO -2	PO -3	PO -4	РО -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PS O- 1	PSO -2	PSO -3	PSO -4	PSO -5			
CO-1	3	2	2	-	1	2	2	3	1	2	-	3	1	1	-	1			
CO-2	3	2	2	-	1	2	2	3	1	2	-	3	1	1	-	1			
CO-3	3	2	2	-	1	2	2	3	1	2	-	3	1	1	-	1			

CO-4	3	2	2	-	1	2	2	3	1	2	-	3	1	1	-	1
CO-5	3	2	2	-	1	2	2	3	1	2	-	3	1	1	-	1
1: Weal	kly rel	lated,	2: Mo	oderat	ely rel	lated a	and 3:	Stro	ngly r	elated	1	1		1		
MODU	LE 1 ·	- INT	RODI	JCTI	ON TO) BAS	IC D	ESIG	N						(14 P +2	S =16)
Definit solving inform	ions o g, Theo ation g	f creatories of gather	tivity, of creat ing, cr	under tivity, eative	standir goals a incuba	ng com and ob ation, o	iponer jectiv creativ	nts of es, va ve thir	creativ lue juc iking a	vity, d Igmer and cr	lefiniti nts, def eative	ons of ining j proces	probler problem ss.	n 1s,	CO-1 H	BTL-4
MODU	LE 2 -	-THI	NKIN	G TE	CHNI	QUES	5								(14P+2	2S =16)
Princip analysi in creat	les in s and b tive th	genera Synthe inking	ative, o esis sin g.	conve mulati	rgent, l on, act	ateral, ion ab	, intera ility a	active Ind im	, grapł pleme	nical t ntatic	hinkin ons of i	g, cheo ntentio	ck lists, ons. Blo	ocks	CO-2 I	BTL-4
MODU	LE 3:	TOO	LS A	ND T	ECHN	IQUE	S OF	CRE	ATIV	ITY					(21P+3	3S =24)
Mind n techniq sensitiz	nappin ues fo zing te	ng, bra or crea chniqu	iin stor tivity, ues, gr	rming creati oup o	with re ve pau r Indiv	elated se, Fo idual 1	stimu cus, C echni	li and Challer ques.	unrela 1ge, al	ited st ternat	imuli, ives, c	positiv oncept	ve ts,		CO-3 F	BTL-4
MODU	LE 4:	PRO	BLEN	A STA	TEM	ENTS	•								(21P+3	3S =24)
Brain v probler	vriting n solv	g with ing te	unrela chniqu	ited sti ies –bi	imuli, i rain sto	idea m orming	appin g, latei	g, ran al thi	dom ir nking (nput, s of De	story b Bono	oardin	g exerc	ises,	CO-4 I	BTL-4
MODU	LE 5:	CRE	ATIV	E SO	LUTIO	ONS									(35P+	5S =40)
Applica project emboda Assign of day and ext	able to s, confi iment ments to day ternal) desig flicts. design : stude use a assess	gns – I Simplon, deta ents aro nd sub ment.	Design e Desi il desi e to de omit co	, Inver gn exe gn, Ite esign & onceptu	ntion, o ercises rations 2 prod 1al ske	opport . Crea s uce at etches	tunity, tive D least along	, probl Design 24 min ; with a	ems, i proce nor & a writ	improv ss – co 12 ma ten rep	vement oncept jor ba	t, planni ual desi sic prod	ing, gn, ucts l	CO-5 F	3TL-4
Т	EXT]	BOOI	KS													
1	Geoff	rey B	roadbe	ent. De	esign ir	n Arch	itectu	re, Lo	ndon:l	D.Ful	ton					
2	Christ Mitch	opher ell.Re	Alexa	nder. ng De	Patter signing	n Lang g: Fori	guage. n to E	New	York: ence	Oxfor	d Univ	ersity	Press 🛛	Thom	as	
3	Edwa	rd De	Bono,	Later	al Thi	nking										
4	Desig	n Bas	ics for	Creat	ive Re	sults b	y Bry	an L.I	Peterso	on, F8	kW Pu	blicati	ons, Inc			

REFERENCE BOOKS

Archiworld Co., Ltd., "Object-Creative Idea & Unique Design" Choseok Publishing 2010

Francis D.K.Ching, "Architecture - Form Space and Order", Van Nostrand Reinhold Co., (Canaa), 1980

MOOC

https://multisite.eos.ncsu.edu/www-ergocenter-ncsu-edu/wpcontent/uploads/sites/18/2016/06/Anthropometric-Detailed-Data-Tables.pdf

http://www.stat.colostate.edu/~jah/papers/Irvine%20et%20al%202007.pdf

COURSE TITI	LE		Comr	nunica	tion Skills			CREI	DITS		2	
COURSE COI	DE	GLS5	1001	CO CATI	URSE EGORY		HS L - T		$\mathbf{S} = \mathbf{P} - \mathbf{S}$		2 - 0 - 1 - 1	
Version	1.0	App De	oroval tails	35 th	ACM - 6 th	g. 2022	LEARNIN LEVEL		G	BTL 4		
			ASSE	SSME	NT SCHEM	ſE		•				
			CIA							•	ESE	
First Periodical Assessment	So Per Asso	econd iodical essment	Weel assignr lab rec and viv approv the Depart Examin Comm "DE	kly nent/ cord va as ed by e ment ation ittee C"	Surprise Test / Qui as approv by the Departme Examinat n Committe "DEC"	e iz., red ent tio	Atten	dance	The y	or	Practical	
15 %	1	5 %	10 9	%	5 %		5	%	25 %	/0	25 %	
Course Descriptio	7 st ir on a c c e	The course tudents. T i listening uthentic ccurately, ourse is f xams and	e has been The course a speaking contexts. appropria ramed so also enab	design builds and gr This ately ar that the le them	ned to impro on students' cammar learr course train nd fluently i e students ca to get a cert	ve tl Eng ning ins n pr an a tific	he cominglish lan activition the sture rofession ppear for ation.	municat guage s es (LSR idents 1 nal and or Cami	ion co kills b W) tha how t social bridge	mpe y en at ar o c sit B1	etency of the gaging them re relevant to communicate uations. The Preliminary	
Course Objectiv	e 4.	 ourse is framed so that the students can appear for Cambridge B1 Preliminary xams and also enable them to get a certification. To acquire self-confidence by which the learner can improve upon their informative listening skills by an enhanced acquisition of the English language. To provide an environment to Speak in English at the formal and informal levels and use it for daily conversation, presentation, group discussion and debate. To equip the students to Read, comprehend and answer questions based on literary, scientific and technological texts. To enhance the writing skills of the students via training in instructions, recommendations, checklists, process-description, letter-writing and report writing. To equip the learners in analysing and applying creative thinking skills and participate in brainstorming, mind-mapping, audiovisual activities and excel in employability skills. 										
Course Outcom	e 1	 employability skills. Upon completion of this course, the students will be able to 1. Acquire the accuracy through the knowledge of Syntax. 2. Demonstrate the skill of using the vocabulary and use it in sentence 										

			appr	opriat	ely.										
		3	. Infe	r texts	and ir	nprov	ise its	usage	•						
		4	. Illus	trate l	angua	ge acq	uisitio	on skil	ls thro	ough f	ormal	corres	ponde	ence.	
		5	. Ana	lyse ai	nd trar	nscode	the d	ata an	d inter	pret it	in tex	t form	nat.		
Prerequisites	s: Plus T	Гwo Е	nglish	-Inter	media	te Lev	rel								
CO AND P	O MAP	PING	r												
СО	Р	Р	Р	Р	Р	Р	Р	Р	Р	P 01	P 01	P 01	PS	PS	PSO
	01	02	03	04	05	06	07	08	09	0	1	2	01	02	3
CO1	-	-	-	-	-	-	-	-	-	-	-	-			
CO2	-	-	-	-	-	-	-	-	-	-	-	-	To	be m	arked
CO3	-	-	-	-	-	-	-	-	-	-	-	-	by	v respe	ective
CO4	-	-	-	-	-	-	-	-	-	-	-	-	d	epartı	nent
CO5	-	-	-	-	-	-	-	-	-	-	-	-			
	1:	: Weal	kly re	lated,	2: Me	odera	tely re	elated	and 3	B: Stro	ngly	relate	d		

MODULE 1 : English for Employability	
(6L + 3P)	
Grammar: 1. Parts of Speech – Identification and Transformation 2. Kinds of Sentences	
– Identification and Transformation 3. Sentence Pattern – Framing Sentences 4. Tenses	
- Rules & its usage - Present simple and present continuous; time expressions; state verbs	
- Past simple ; regular and irregular verbs and spelling of past simple forms ; past	
continuous.	
Vocabulary : 1. Job titles and describing jobs ; names of company departments 2.	
Computer terms; email and website terms. 3. Headings for CVs Describing application	
Procedures	
Writing : 1. Writing emails – formal and informal – phrases for emails & letters. 2.	CO-1
Writing a covering letter with a resume for a job application.	BTL.
Reading : Reading about Job and Company : 1. Changing places : job swapping at work.	2
2. The power of word of mouse : an article on the power of online customer options 3.	2
Haier : an article about the history of a Chinese Company. 4. What kind of company	
Culture would suit you ? reading answering a quiz.	
Lab Activities(Speaking) : 1.Self Introduction. 2. Describing jobs ; asking other people	
about their jobs. 3. Asking about the history of a company ; past simple questions 4.	
Asking questions about companies and jobs.	
Lab Activities(Listening): 1. Being a PA 2. Growing Pains : an interview with a business	
consultant about company's Growth. 3. Describing changes in a company : a Conversation	
on the phone.	
MODULE 2 : English for Marketing	
Grammar: 1. Concord - Understanding Subject Verb agreement – Identifying the error	
and Correcting 2. Active and Passive Voice – Identifying the voices and Transforming	
Active to passive and passive to active 3. Modal Verbs – Using to express modalities –	
in active and passive voices 4. Words to Describe causes and effects. 5. Prepositions	
Vocabulary : 1. Vocabulary to describe objects; component parts, shapes, dimensions,	
materials Describing problems with equipment 2. Verbs to Describe process 3.	
Vocabulary to talk about advertising and marketing, Language to describe cause and	
effect.	
Writing: 1. Topic Sentence 2. Paragraph Writing 3. Developing a story with the hints	a a
4. Promotional letter(Email)	CO-2
Reading : Product Description and Advertisement : 1. Problems with equipment : emails	BTL-
and headings on a form. 2. Waratah : an article on an Australian clothing company.	3
Short Texts : Notices, Notes and messages 3. Selling your product abroad; an article,	
Workplace signs and notices 4. Descriptions of advertising media, Singapore airlines; an	
article on the branding of an airline.	
Lab Activities(Speaking) : 1. Kole Play – Telephone call to a supplier, 2. Describing	
Objects	
Lab Activities(Listening): 1. Describing dimensions of products : Conversations with	
colleagues and suppliers. – The Gizmo game : listening to the uses of a gadget. 2. Channel	
No.5 : an interview about a production process 3. Telephone conversations : information	
about orders and deriveries. 4. Descriptions of now a product is advertised.	

 Grammar : 1. Tenses – Present continuous for future arrangements; will and going to future forms 2. Using discourse markers; Sentence starters - Contrast & similarity words, 3. Degrees of Comparison – Framing sentences with appropriate adjectives and adverts – transformation from one degree to another degree. 4. Infinitives and gerunds – using infinitives and gerunds in sentences as different elements. 5. Conditionals – Three types of conditionals Vocabulary : 1.Vocabulary for travel 2. Synonyms and Antonyms 3. Employment Vocabulary Writing : 1. A letter(Email) of invitation – Accepting the invitation and declining the invitation. Reading : Transport, Working Holidays and Conferences : Travel Arrangements : 	CO-3 BTL-
notices and short messages : Eurostar : an article on train travel. 2. Netflix : an article	3
about a company's holiday policy; thinking outside the box: an article on offsite meetings	
3. Short Texts : Feedback on conferences	
Lab Activities(Listening) : 1 Making and changing appointments : Voicemail messages	
and phone conversations : Future intentions and predictions : Short Extracts, 2. A travel	
Anecdote 3. Half Holidays: a conversations between two employees. 4. Discussing	
possible venues for a conference : a conversation between colleagues; a welcome speech	
at a conference.	
MODULE 4 : English for Business Relationships	(6L +
3P)	
Grammar : 1. Writing Instructions and Recommendations – Transforming instruction	
to recommendation and recommendation to instruction 2. Expressions of quantity semi	
to recommendation and recommendation to instruction 2. Expressions of quantity – semi- negative words 3. Present Perfect : time expressions : present perfect versus Past simple	
to recommendation and recommendation to instruction 2. Expressions of quantity – semi- negative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation	
 to recommendation and recommendation to instruction 2. Expressions of quantity – semi- negative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation Vocabulary : 1. Affixes 2. Countable and Uncountable nouns 3. Global Management 	
 to recommendation and recommendation to instruction 2. Expressions of quantity – semi-negative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation Vocabulary : 1. Affixes 2. Countable and Uncountable nouns 3. Global Management Writing : 1.Memo 2. Notice with agenda 3. Email : Requesting information 	
 to recommendation and recommendation to instruction 2. Expressions of quantity – semi-negative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation Vocabulary : 1. Affixes 2. Countable and Uncountable nouns 3. Global Management Writing : 1.Memo 2. Notice with agenda 3. Email : Requesting information Reading : Corporate gift-giving, New places, New people, Team Building and Thinking 	CO-4
to recommendation and recommendation to instruction 2. Expressions of quantity – semi- negative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation Vocabulary : 1. Affixes 2. Countable and Uncountable nouns 3. Global Management Writing : 1.Memo 2. Notice with agenda 3. Email : Requesting information Reading : Corporate gift-giving, New places, New people, Team Building and Thinking globally : 1. Career Advice : letters to an advice column 2. Promotional gifts : an article	CO-4 BTL-
to recommendation and recommendation to instruction 2. Expressions of quantity – semi- negative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation Vocabulary : 1. Affixes 2. Countable and Uncountable nouns 3. Global Management Writing : 1.Memo 2. Notice with agenda 3. Email : Requesting information Reading : Corporate gift-giving, New places, New people, Team Building and Thinking globally : 1. Career Advice : letters to an advice column 2. Promotional gifts : an article 3. Descriptions of team building events; Kaizen : an article 4. Global HR management :	CO-4 BTL- 3
to recommendation and recommendation to instruction 2. Expressions of quantity – semi- negative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation Vocabulary : 1. Affixes 2. Countable and Uncountable nouns 3. Global Management Writing : 1.Memo 2. Notice with agenda 3. Email : Requesting information Reading : Corporate gift-giving, New places, New people, Team Building and Thinking globally : 1. Career Advice : letters to an advice column 2. Promotional gifts : an article 3. Descriptions of team building events; Kaizen : an article 4. Global HR management : an Article.	CO-4 BTL- 3
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 to recommendation and recommendation to instruction 2. Expressions of quantity – semi-negative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation Vocabulary : 1. Affixes 2. Countable and Uncountable nouns 3. Global Management Writing : 1.Memo 2. Notice with agenda 3. Email : Requesting information Reading : Corporate gift-giving, New places, New people, Team Building and Thinking globally : 1. Career Advice : letters to an advice column 2. Promotional gifts : an article 3. Descriptions of team building events; Kaizen : an article 4. Global HR management : an Article. Lab Activities(Speaking): Role Play : 1. Interviewing someone about a job change 2. Discussion : Planning a team building event 3. Promoting a city : giving a speech. Lab Activities(Listening) : 1. An interview with someone who has changed career .2 	CO-4 BTL- 3
 to recommendation and recommendation to instruction 2. Expressions of quantity – semi-negative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation Vocabulary : 1. Affixes 2. Countable and Uncountable nouns 3. Global Management Writing : 1.Memo 2. Notice with agenda 3. Email : Requesting information Reading : Corporate gift-giving, New places, New people, Team Building and Thinking globally : 1. Career Advice : letters to an advice column 2. Promotional gifts : an article 3. Descriptions of team building events; Kaizen : an article 4. Global HR management : an Article. Lab Activities(Speaking): Role Play : 1. Interviewing someone about a job change 2. Discussion : Planning a team building event 3. Promoting a city : giving a speech. Lab Activities(Listening) : 1. An interview with someone who has changed career 2. An interview about corporate gift giving 3. Creating good teams : a Presentation 4. 	CO-4 BTL- 3
 to recommendation and recommendation to instruction 2. Expressions of quantity – semi-negative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation Vocabulary : 1. Affixes 2. Countable and Uncountable nouns 3. Global Management Writing : 1.Memo 2. Notice with agenda 3. Email : Requesting information Reading : Corporate gift-giving, New places, New people, Team Building and Thinking globally : 1. Career Advice : letters to an advice column 2. Promotional gifts : an article 3. Descriptions of team building events; Kaizen : an article 4. Global HR management : an Article. Lab Activities(Speaking): Role Play : 1. Interviewing someone about a job change 2. Discussion : Planning a team building event 3. Promoting a city : giving a speech. Lab Activities(Listening) : 1. An interview with someone who has changed career 2. An interview about corporate gift giving 3. Creating good teams : a Presentation 4. Working an international Team : short Extracts. 	CO-4 BTL- 3
 to recommendation and recommendation to instruction 2. Expressions of quantity – seminegative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation Vocabulary : 1. Affixes 2. Countable and Uncountable nouns 3. Global Management Writing : 1.Memo 2. Notice with agenda 3. Email : Requesting information Reading : Corporate gift-giving, New places, New people, Team Building and Thinking globally : 1. Career Advice : letters to an advice column 2. Promotional gifts : an article 3. Descriptions of team building events; Kaizen : an article 4. Global HR management : an Article. Lab Activities(Speaking): Role Play : 1. Interviewing someone about a job change 2. Discussion : Planning a team building event 3. Promoting a city : giving a speech. Lab Activities(Listening) : 1. An interview with someone who has changed career 2. An interview about corporate gift giving 3. Creating good teams : a Presentation 4. Working an international Team : short Extracts. 	CO-4 BTL- 3
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 to recommendation and recommendation to instruction 2. Expressions of quantity – seminegative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation Vocabulary : 1. Affixes 2. Countable and Uncountable nouns 3. Global Management Writing : 1.Memo 2. Notice with agenda 3. Email : Requesting information Reading : Corporate gift-giving, New places, New people, Team Building and Thinking globally : 1. Career Advice : letters to an advice column 2. Promotional gifts : an article 3. Descriptions of team building events; Kaizen : an article 4. Global HR management : an Article. Lab Activities(Speaking): Role Play : 1. Interviewing someone about a job change 2. Discussion : Planning a team building event 3. Promoting a city : giving a speech. Lab Activities(Listening) : 1. An interview with someone who has changed career 2. An interview about corporate gift giving 3. Creating good teams : a Presentation 4. Working an international Team : short Extracts. MODULE 5 : English for Presentation Grammar : 1. Adjectives and adverbs 2. Pronouns and Reference Words 3. Types of Sentences – Simple, Compound and complex Sentences – Identification and Presentation 	CO-4 BTL- 3
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 to recommendation and recommendation to instruction 2. Expressions of quantity – seminegative words 3. Present Perfect : time expressions : present perfect versus Past simple. 4. Reported Speech – Direct and Indirect Speeches – Identification and Transformation Vocabulary : 1. Affixes 2. Countable and Uncountable nouns 3. Global Management Writing : 1.Memo 2. Notice with agenda 3. Email : Requesting information Reading : Corporate gift-giving, New places, New people, Team Building and Thinking globally : 1. Career Advice : letters to an advice column 2. Promotional gifts : an article 3. Descriptions of team building events; Kaizen : an article 4. Global HR management : an Article. Lab Activities(Speaking): Role Play : 1. Interviewing someone about a job change 2. Discussion : Planning a team building event 3. Promoting a city : giving a speech. Lab Activities(Listening) : 1. An interview with someone who has changed career 2. An interview about corporate gift giving 3. Creating good teams : a Presentation 4. Working an international Team : short Extracts. MODULE 5 : English for Presentation Grammar : 1. Adjectives and adverbs 2. Pronouns and Reference Words 3. Types of Sentences – Simple, Compound and complex Sentences – Identification and transformation. Vocabulary : 1. Describing Trends 2. Finance Vocabulary 3. Stocks and Shares 4. Collocation - sets and money 	CO-4 BTL- 3 CO-5 BTL- 4

image(Linegraph, piechart, bar chart, flowchart tree diagram etc.,) 2. Summary writing **Reading :** Describing Statistics, Company finances, investments and starting up : 1. Interpreting bar charts 2. Café Coffee day : an article on the growth of the Indian coffee shop. 3. Shares and the stock exchange: a web page; short articles from the financial news; men and women investments : an article 4. Teenage entrepreneus : reading and comparing two articles; Kalido: an article on funding.

Lab Activities(Speaking) : 1. Describing figures and trends 2. Discussing qualities needed in candidates for a job vacancy

Lab Activities(Listening) : 1. Listening to statistical information : short extracts 2. An interview with the employee of a company that helps failing business 3. An interview with someone who works in investor relations. 4. Radio interview : marketing director of a business support service.

TEX	ГВООК										
1	Whitby, Norman (2019). Cambridge English Business Benchmark, Pre-intermediate										
	and Intermediate. Cambridge University Press. India (Pages 208)										
REFE	REFERENCE BOOKS										
1.	Murphy, Raymond(2021). Essential English Grammar, Cambridge University Press.										
2.	Redman, Stuart(2020).English Vocabulary In Use: Pre - Intermediate And										
	Intermediate. Cambridge University Press. India (Pages 264)										
3.	Bikram K. Das. et al.,(2019) An Introduction to Professional English and Soft Skills										
	with audio CD, Cambridge University Press. India (Pages 272)										
4.	John, Dolly., (2018), English for Life and the Workplace Through LSRW&T Skills,										
	Pearson Publications.India (Pages 263)										
E BO	OKS										
1.	https://www.cambridge.org/gb/files/9116/4138/4615/A1_Student_Book.pdf										
2.	https://www.cambridge.org/gb/files/1416/4138/4681/A1_Workbook.pdf										
3.	https://www.cambridge.org/gb/files/7216/4138/1999/A2_Student_Book.pdf										
4.	https://www.cambridge.org/gb/files/6816/4138/2072/A2_Workbook.pdf										
MOO	C										
1.	https://www.edx.org/professional-certificate/tsinghuax-english-communication-skills										
2.	https://www.britishcouncil.org.tr/en/english/mooc/english-for-the-workplace										

SEMESTER – II

COURSE TITLE	HISTORY (OF INTERIOR DESIGN	CREDITS	3	
COURSE CODE	SID21007	COURSE CATEGORY	РС	L-T-P-S	3-0-0-0
Version	2.0	Approval Details		LEARNING LEVEL	BTL-3

ASSESSMENT SCHEME

Р

0

PO

РО

PO PO

РО

CO

First Periodical Assessment	Second Periodical Assessmen t	Seminar/ Assignments/ Project	Surprise Test / Quiz	Attendance	ESE							
15%	15%	10%	5%	5%	50%							
Course Description	In the past, interiors were put together instinctively as a part of the process of building. The practice of interior design harkens back to the Ancient Egyptians, who decorated their naive mud homes with basic furnishings enhanced by animal skins, simple textiles, graphic biographical and spiritual murals, sculptures, and painted urns.											
Course Objective	 To understand various architectural and interior elements from the ancient Civilizations. To review the classic styles and oriental influences from the past To understand how various styles from Europe shaped Architecture and interiors during the Middle Ages. To understand the role of decorative styles in history of architecture and interior design. To appreciate various styles learnt through individual designs across diverse range of sources. 											
Course Outcome	 Upon completion of this course, the students will be able to 1. Explain architectural and interior elements from the ancient civilizations. 2. Familiarize with classic styles from the past. 3. Explain how various styles shaped architecture and interiors. 4. Familiarize with the decorative styles in architecture and interior design. 5. Familiarize with various styles. 											
Prerequisites: CO, PO AND PS	SO MAPPING	ł										

PO PO PO PO PO

PS O-

PSO

PS 0 -

PSO PSO -

	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	1	-2	3	-4	5
CO-1	2	2	2	-	2	2	1	3	1	1	1	2	1	1	2	3
CO-2	2	2	2	-	2	3	1	3	1	3	1	2	1	1	2	3
CO-3	2	3	3	-	2	2	1	1	1	1	1	2	1	1	2	3
CO-4	2	3	3	-	2	2	1	1	1	1	2	1	1	2	3	2
CO-5	2	2	1	-	-	3	1	1	1	1	1	2	1	1	2	3
1: Weakly related, 2: Moderately related and 3: Strongly related																
MODULE 1 : - ANCIENT INDIA (9L+0P=9)											P=9)					
Indus Valley Civilization - Culture and pattern of settlement. Impact of Aryan culture - Vedic village and the rudimentary forms of bamboo and wood, wooden construction under the Mauryan rule. Buddhist structures. Suggested Reading: Early Indian Architecture: Cities and City-Gates by Ananda K. Coomaraswamy.										-	CO-1 BTL-4					
MODU	LE 2	: IN]	(ERIC	OR SI	PACE	AND	REL	[GIO]	N - IS	LAM	IC				(9L+()P=9)
Influences on Islamic Architecture – a Brief study on the Islamic Architectural and interior Character: the mosque, the tomb, and minaret, the madarasa, the palace, the caravanserai, vernacular architecture, the market - important principles, elements and character of Islamic architecture in terms of structure materials and methods of construction, elements of decoration, color, geometry, light.											C(BT)-2 L-4				
MODULE 3 : HINDU TEMPLE INTERIORS											(9L+) P=9)				
Hindu faith - Harmony between architecture and interior in religious spaces – the play of light and shadow – art, sculpture, mould, wall treatments, roof treatments, floor treatments – interiors as reflection of the faith – examples and case studies. –Dravidian Order – Brihadeeswara Temple, Thanjavur - Evolution and form of Gopuram - Complexity in temple plan due to complexity in Ritual - Meenakshi temple, Madurai. Suggested Reading: Introduction to Indian Architecture By BindiaThapar									1	C(BT)-3 L-4					
MODULE 4 : REGIONAL VERNACULAR INTERIORS											(9L+)P=9)				
Elemen across N Nadu –	ts of North exan	style, and S ples a	materion South 1 and ca	ials ar India - se stue	d conc Jamm dies	cepts o u and	of inte Kashr	riors i nir – (n vern Gujara	acular t – Go	secula a - Ke	ar arch rala –	itecture Tamil	e	C(BT)-4 L-4
MODUI	MODULE 5: IMPERIALISM AND COLONIALISM IN INDIA (9L+0P=9)															

Eleme	CO-5										
Regen	cy, Indo-Sarcenic - examples and case studies	BTL-4									
TEXT	BOOKS										
1	John F. Pile, A history of interior design, 2nd edition, Laurence King Publishing, 2	2005. Jeannie									
1.	Ireland, History of Interior Design, air child publications, illustrated ed., 2009										
2	Elaine, Michael Dywer, Christopher Mackinnon, Norman A. J. BerisfordDenby, A History of										
_	Interior Design, Rhodec International, 2000										
3	Sir Banister Fletcher, A History of Architecture, CBS Publications (Indian Edition), 21st Edition 2019.										
REFE	RENCE BOOKS										
1	Pile. F John, Gura Judith (2013) A History of Interior Design, Wiley, New York, 4	th edition.									
2	Richard Ingersoll, World Architecture: A Cross-Cultural History, Oxford University Press; 2 edition 2018										
E BOC	OKS										
1.	https://www.yumpu.com/en/document/view/36775179/roman-architecture-notes.p	<u>df</u>									
2	https://tigerprints.clemson.edu/cgi/viewcontent.cgi?referer=https://www.google.co	om/&httpsr									
_	edir=1&article=1909&context=all_theses										
3	http://www.nationalmuseumindia.gov.in/pdfs/Harappan-Civilization.pdf										
4	http://www.arch.mcgill.ca/prof/mellin/articles/glassievarch.pdf										
5	http://iaste.berkeley.edu/pdfs/01.2b-Spr90glassie-sml.pdf										
MOOO											
1	http://www.architecturecourses.org/classical-architecture-history										
2	https://www.edx.org/course/global-history-architecture-mitx-4-605x-0										
2											

COURSE TITLE	ADVANCEI	D THEORY OF DESIGN	CREDITS	3		
COURSE CODE	SID21008	COURSE CATEGORY	РС	L-T-P-S	3-0-0-0)
Version	2.0	Approval Details		LEARNING LEVEL	BTL-4	ŀ

ASSESSMENT SCHEME

First Periodical Assessment	Second Periodical Assessmen t	Seminar/ Assignments/ Project	Surprise Test / Quiz	Attendance	ESE							
15%	15%	10%	5%	5%	50%							
Course Description	Theory of design is concerned with various theoretical approaches towards understanding and delineating design principles, design knowledge, and design practice.											
Course Objective	 To unc To unc To ana To unc To unc throug To unc 	lerstand the articulation of lerstand the articulation of lyze and understand the or lerstand the concept of fun h spaces. lerstand the design theorie	Froof plane i wall and flo rganization o action relations s of Archited	n interior spaces. For plane in interior spaces. of various forms to define spac onship and its outcome of circu cts.	ces Ilation							
Course Outcome	 Upon completion of this course, the students will be able to - Explain the articulation of roof plane in interior spaces. Familiarize with articulation of wall and floor plane in interior spaces. Familiarize with the organization of various forms to define spaces Familiarize with the concept of function relationship and its outcome of circulation through spaces. Explain the design theories of Architects. 											

Prerequisites: Nil

CO, PO AND PSO MAPPING																
СО	PO -1	PO -2	PO -3	PO -4	РО -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PS O- 1	PSO -2	PS O - 3	PSO -4	PSO -5
CO-1	3	2	1	-	1	1	2	3	1	1	2	3	-	-	-	1
CO-2	2	1	1	-	1	2	2	3	1	1	2	3	-	-	-	1
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CO-3	3	2	1	-	1	1	2	3	1	1	1	3	-	-	-	1
CO-4	2	2	1	-	1	1	2	3	1	1	2	3	-	-	-	1
CO-5	3	1	1	-	1	1	2	2	1	1	2	3	-	-	-	1
1: Weal	kly rel	ated,	2: Mo	oderat	tely re	lated a	and 3	: Stro	ngly r	elated	1					
MODU	LE 1:	ELE	MENI	rs an	ND CO	MPO	NEN'	TS O	F SPA	CE M	IAKIN	NG			(12)	L+0P=12)
Role of	Role of wall planes in defining the ambience of an interior space – manipulation of wall planes – example across typologies - Role of floor planes in defining the ambience of an interior space – example across typologies. Role of roof planes in defining the ambience of an interior space															CO-1
exampl	e acro	ss typ ss typ	ologie	s - Ro	le of ro	of pla	nes in	defin	ing the	e amb	ience o	of an i	nterior	space –		BTL-4
manipu	manipulation of roof planes –Example across typologies. (9 MODULE 2: ORGANISATION OF FORMS (9															
MODU	IODULE 2: ORGANISATION OF FORMS (9) Spatial Palationships: i) Space within space. iii) Interlocking spaces. iii) A discont space. iii) Space															9L+0P=9)
Spatial linked	Spatial Relationships: i) Space within space, ii) Interlocking spaces, iii) Adjacent spaces, iv) Space linked by a common space b) Spatial Organization: influencing factors and their types i)															0.0.0
Central	linked by a common space b) Spatial Organization: influencing factors and their types i) Centralized, ii) Linear, iii) Radial, iv) Clustered, v) Grid c) Articulation of forms and spaces types															CO-2
Centralized, 11) Linear, 111) Radial, 1V) Clustered, V) Grid c) Articulation of forms and spaces types :I) Edges and corners, ii) Surface. A Project on Creation of forms & spaces using the principles learnt.														BTL-4		
learnt.														0T ⊥0D-12)		
Eurotic	n of h		a oiro							lation		build	ing one	roach "	(12	2L 01 – 12)
buildin	g entra	ance, o	config	uratio	n of th	e path	, path	space	relatio	onship	o, and f	form o	f circul	ation sp	pace	CO-3
with ex	ample	es. Sin	nple ci	rculat	ion dia	ıgram	for bu	ilding	gs.							BTL-4
MODU (6L+0P	LE 4: =6)	SPA	FIAL .	ANA	LYSIS	AND	PLA	CE-N	IAKI	NG						
Eunotic	v,	wildin	a oiro	ulation	n	onant	a of h	uildin	a airau	lation	The	build	ing one	roach "	The	~~ .
buildin	g entra	ance, o	config	uratio	n of th	e path	, path	space	relation	onship	o, and f	form o	of circul	ation sp	pace	CO-4
with ex	ample	es. Sin	ple ci	rculat	ion dia	ıgram	for bu	ilding	ζS							BTL-4
MODU	LE 5:	APPI	LICA	ΓΙΟΝ	OF D	ESIG	N TH	EOR	IES						(6L+0P=6)
Small e	exercis	ses to	unders	tand h	now th	eories	come	toget	her to	create	good	design	ı – appl	ication	of	CO-5
theorie	s with	in type	ologya	and ac	cross ty	polog	gies. A	pplied	d theor	ies in	case s	tudies				BTL-4
TEXT BOOKS																
1. Francis D. K. Ching, 'Architecture - Form, Space and Order', Van Nostrand Reinhold Company													any ,2007.			
2	Franc	is D.K	K. Chir	ng & (Corky	Bingg	eli - Iì	NTER	IOR D	DESIG	N ILL	LUSTR	RATED	(3rd E	dition)	, John

	Wiley & Sons,New Jersey,2012
3	Elements of Spacemaking, Yatin Pandya, Vastu-Shilpa Foundation for Studies and Research in
0	Environmental Design, Mapin Publishing, 2013
REFEI	RENCE BOOKS
1	Leland M.Roth, 'Understanding Architecture', Routledge; 3 edition, 2013
2	Foundations in Architecture: An Annotated Anthology of Beginning Design Project, Van Nostrand Reinhold NY, 1993.
3	Basic Visual Concepts and Principles for Artists, Architects and Designers by Charles
	Wallschlacgerm& Cynthia Busic-Snyder, McGraw Hill, New York 1992.
4	Logic and Design in Art, Science and Mathematics by Krome Barratt, Globe Pequot Press, 2005.
E BOO	KS
1	http://ndl.iitkgp.ac.in/document/OkW0j6hdRjRF9TOI-
1.	AJ6ZaxR3oaR2haCcM8brpUUVuw9jk4dMZ2lBdsVu6yFVm27NmC_d2yYd9dP7PfmJ6CQ
2	http://ndl.iitkgp.ac.in/document/rD3oym8UCm19P6yFn9P_jlFcu1r78QqPWhEJfrrEKcO
2.	5ppiSL_L9aDFbnSyV-sWEStl1y0d3vt6-uXT7Q-NAQg
MOOC	
1	https://www.edx.org/course/design-theory
2	https://www.edx.org/course/design-thinking-fundamentals-ritx-think501x

COURSE TITLE	BASICS OF	FURNITURE DESIGN		CREDITS	3
COURSE CODE	SID21009	COURSE CATEGORY	РС	L-T-P-S	3-0-0-0
Version	2.0	Approval Details		LEARNING LEVEL	BTL-3

ASSESSMENT SCHEME

First Periodical Assessment	Second Periodical Assessment	Seminar/ Assignments/ Project	Surprise Test / Quiz	Attendance	ESE						
15%	15%	10%	5%	5%	50%						
Course	In this course,	students will study about	he history of furniture design and theories to develop								
Description	furniture in different styles.										
Course Objective	 To unc styles. To unc To unc To unc To unc furnitu To unc 	lerstand the usage of basic lerstand the principles of u lerstand history and other o lerstand the concepts with re of different categories. lerstand seating typologies	theories of design niversal design. case studies. appropriate terms and impact of cu	n to develop furniture and reflect the design lture on them.	in different						
Course Outcome	Upon complet 1. Formu 2. Formu 3. Famili 4. Formu 5. Famili	ion of this course, the stud late and design furniture in late and design comfortabl arize with history and evol late and design furniture o arize with the seating typo	ents will be able to a different styles. e furniture in pub ution of furniture f different categor logies and impact	to lic buildings. design. ries. of culture on them.							

Prerequisites:

CO, PO) ANE) PSO	MAP	PING	Ţ											
CO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PSO	DEO 2	PSO	PSO -
CO	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-1	P50-2	-3	4
CO-1	2	2	3	1	1	1	2	3	1	2	1	3	1	1	1	2
CO-2	-	-	3	2	2	1	2	3	1	2	1	2	1	1	3	2

CO-3	-	-	3	2	2	1	2	3	1	2	1	2	3	2	1	2	
CO-4	-	-	3	2	2	1	2	3	1	2	1	3	1	1	1	2	
CO-5	-	-	3	2	2	1	2	3	1	2	2	1	1	3	2	2	
1: Weal	kly re	lated,	2: Mo	oderat	tely re	lated a	and 3	: Stro	ngly r	elated		I	I				
MODU	LE 1:	FUN	CTIO	NAL	AND]	FORM	IAL]	ISSUI	ES IN	DESI	GN				(12L	(+0P=12)	
Study a	ind ev	aluatio	on of p	oopula	r dictu	ms su	ch as	"Form	n follo	ws fun	ction"	, Forn	n and fu	inction	CO-1		
study o Typolo	f Gest gy of	talt the furnit	eory of ure wi	f desig th resp	gn – lav pect to	w of cl	losure fferen	, law of t state	of proz of in In	ximity dia.	, law c	of cont	inuity e	etc.	BTL-2,	,3	
MODU	LE 2:	ERG	ONO	MICS	AND	HUM	IAN F	TACT	ORS						(10L+0P=10)		
Human	Iuman factors, engineering and ergonomic considerations: Principles of Universal Design and heir application in furniture design.																
their ap	ieir application in furniture design.																
MODU	IODULE 3: EVOLUTION OF FURNITURES															+0 P =10)	
Evoluti	Evolution of furniture from Ancient to present: Various stylistic transformations. Furniture														CO-3		
designe	Evolution of furniture from Ancient to present: Various stylistic transformations. Furniture designers and movements for various types of furniture.														BTL-3,4		
MODU	LE 4:	ROL	E OF	FUR	NITUI	RE									(7L+0P=7)		
Furnitu	re cat	egorie	s - rol	le of fi	urnitur	e in in	terior	desig	n, exp	loratio	n of th	e idea	of furn	iture as	CO-4		
institut	ts of I es, bai	iving i nks, st	units, o ores, s	educat street f	furnitu	stitutes re, etc	s, heal	th fac	ilities,	street	eleme	nts of	fice, edi	ucational	BTL-3	,4	
MODU	LE 5:	SEA	ГING												(6)	L+0P=6)	
Seating Design: Different types of seating with Functionality, Aesthetics, Style, Human factors and ergonomics. Assignment: Design with wood, metal and combination of materials. Drawings, details. Market survey of available products and economics of products. Design of furniture for upper middle, middle and lower middle-income groups - elements of living units, educational institutes, health facilities, street elements etc. Exploration of wood, metal, glass, plastics, FRP, etc. as materials for furniture design – traditional and modular. Cost criteria of furniture design.													n factors sign of g units, glass, eria of	CO-5 BTL-3,4			
TEXT BOOKS																	
1. Maureen Mitton, Interior Design Visual Presentation: A Guide to graphics, models and p techniques, 3rd edition, Wiley publishers, 2007												lels and pr	esentati	on			
2 MogaliDelgadeYanes and Ernest Redondo Dominquez, Freehand drawing for Architects												Architects a	and Inter	rior			

	Designers, www.Norton& co., 2005
F	REFERENCE BOOKS
1	Bradley Quinn, Mid-Century Modern: Interiors, Furniture, Design Details, Conran Octopus Interiors, 2006.
2	Jim Postell, Furniture Design, Wiley publishers, 2007.
3	Robbie. G. Blakemore, History of Interior Design and Furniture: From Ancient Egypt to Nineteenth- Century Europe, Wiley publishers, 2005.
EBOO	KS
https://	www.pdfdrive.com/guerilla-furniture-design-how-to-build-lean-modern-furniture-with-salvaged-
materia	als-e175699273.html
MOOO	C
https://	www.udemy.com/course/furniture-design-by-example-1/

COURSE CODESGE51001COURSE CATEGORYBSL-T-P-S2-0-0-0Version2.0Approval DetailsBSL-T-P-S2-0-0-0ASSESSMENT2.0Approval DetailsLEARNING LEVELBTL-1ASSESSMENT SCHEMESecond Periodical AssessmentSecond Periodical AssessmentSeminar/ Assignments/ ProjectSurprise Test / QuizAttendanceESEFirst Periodical AssessmentSecond Periodical AssessmentSeminar/ Assignments/ ProjectSurprise Test / QuizAttendanceESEfirst DescriptionSecond Periodical and information sciences to the study of the environment, and the solution of environmental problems. Architects and Designers need to make buildings that are friendly to the environment and greener which can be adaptable to the surroundings.1. To understand our natural resources, energy resources and the biodiversity of the plant 2. To Obtain basic knowledge on ecosystem and types of ecosystems. 3. To Understanding the social Issues and the impact of population on the environment.Course ObjectiveUpon completion of this course, the students will be able to 1. Familiarize with bio diversity of the planet. 2. Familiarize with bio diversity of the planet. 2. Familiarize with bio diversity of the planet. 2. Familiarize with the types of ecosystems.	COURSE TITLE	ENVIRONMENTAL SCIENCE CREDITS 2 SGE51001 COURSE CATEGORY BS L-T-P-S 2-0-0-0 2.0 Approval Details LEARNING LEVEL BTL-1 SCHEME Second Periodical Assessment Seminar/ Assignments/ Project Surprise Test / Quiz Attendance ESE 15% 10% 5% 5% 50% Environmental science is an interdisciplinary academic field that integrates physical, biological and information sciences to the study of the environment, and the solution of environmental problems. Architects and Designers need to make buildings that are friendly to the environmental problems. Architects and Designers need to make buildings. 1. To understand our natural resources, energy resources and the biodiversity of the plane and greener which can be adaptable to the surroundings. 1. To understand our natural resources, energy resources and the biodiversity of the plane										
Version2.0Approval DetailsLEARNING LEVELBTL-1ASSESSMENTSecond Periodical AssessmentSecond Periodical AssessmentSeminar/ Assignments/ProjectSurprise Test / QuizAttendance OurseESE15%15%10%5%5%50%Course DescriptionEnvironmental science is an interdiscipilnary acadetic field that integrates physical, biologic and information sciences to the study of the environment, and the solution of environmental problems. Architects and Designers need to make buildings that are friendly to the environment and greener which can be adaptable to the surroundings.Interpret the solution of environment.Course Objective1. To understand our natural resources, energy resources and the biodiversity of the planet. 3. To Understanding the social Issues and the environment.Interpret the planet. Interpret to this course, the study of the planet. 2. Familiarize with bio diversity of the planet. 2. Familiarize with the types of ecosystems.Interpret to the surrounder to the environment.	COURSE CODE	SGE51001	COURSE CATEGORY	BS	L-T-P-S	2-0-0-0						
ASSESSMENT SCHEME First Second Periodical Assessment Second Assessment Seminar/ Assignments/ Project Surprise Test / Quiz Attendance ESE 15% 15% 10% 5% 5% 50% Course Environmental science is an interdisciplinary academic field that integrates physical, biologic and information sciences to the study of the environment, and the solution of environmental problems. Architects and Designers need to make buildings that are friendly to the environment and greener which can be adaptable to the surroundings. Course Objective 1. To understand our natural resources, energy resources and the biodiversity of the plane 2. To Obtain basic knowledge on ecosystem and types of ecosystems. 3. To Understanding the social Issues and the impact of population on the environment. 4. To Obtain basic knowledge on environment pollutions, its types and pollutants 5. To understand the social issues and the environment. Upon completion of this course, the students will be able to 1. Familiarize with bio diversity of the planet. 2. Familiarize with bio diversity of the planet. 2. Familiarize with bio diversity of the planet. 2. Familiarize with bio diversity of the planet.	Version	2.0	Approval Details		LEARNING LEVEL	BTL-1						
First Periodical AssessmentSecond Periodical AssessmentSeminar/ Assignments/ ProjectSurprise Test / QuizAttendanceESE15%15%10%5%5%50%Course DescriptionEnvironmental science is an interdisciplinary academic field that integrates physical, biologic and information sciences to the study of the environment, and the solution of environmental problems. Architects and Designers need to make buildings that are friendly to the environment and greener which can be adaptable to the surroundings.Course Objective1. To understand our natural resources, energy resources and the biodiversity of the plant 2. To Obtain basic knowledge on ecosystem and types of ecosystems. 3. To Understanding the social Issues and the environment.Course ObjectiveUpon completion of this course, the students will be able to 1. Familiarize with bio diversity of the planet. 2. Familiarize with the types of ecosystems.	ASSESSMENT S	SCHEME										
15%15%10%5%5%50%CourseDescriptionCourseDescriptionCourseDescription1. To understand our natural resources, energy resources and the biodiversity of the plan2. To Obtain basic knowledge on ecosystem and types of ecosystems.3. To Understanding the social Issues and the impact of population on the environment.4. To Obtain basic knowledge on environment pollutions, its types and pollutants5. To understand the social issues and the environment.4. To Obtain basic knowledge on environment pollutions, its types and pollutants5. To understand the social issues and the environment.4. To Obtain basic knowledge on environment pollutions, its types and pollutants5. To understand the social issues and the environment.4. To Obtain basic knowledge on environment pollutions, its types and pollutants5. To understand the social issues and the environment.4. To Obtain basic knowledge on environment.4. To Environment of this course, the students will be able to1. Familiarize with bio diversity of the planet.2. Familiarize with bio diversity of the planet.2. Familiarize with the types of ecosystems.	First Periodical Assessment	Second Periodical Assessment	Seminar/ Assignments/ Project	Surprise Test / Quiz	Attendance	ESE						
CourseEnvironmental science is an interdisciplinary academic field that integrates physical, biologic and information sciences to the study of the environment, and the solution of environmental problems. Architects and Designers need to make buildings that are friendly to the environment and greener which can be adaptable to the surroundings.Course Objective1. To understand our natural resources, energy resources and the biodiversity of the plane 2. To Obtain basic knowledge on ecosystem and types of ecosystems. 3. To Understanding the social Issues and the impact of population on the environment. 4. To Obtain basic knowledge on environment pollutions, its types and pollutants 5. To understand the social issues and the environment.Course ObjectiveUpon completion of this course, the students will be able to 1. Familiarize with bio diversity of the planet. 2. Familiarize with the types of ecosystems.	15%	15%	10%	5%	5%	50%						
Course Objective1. To understand our natural resources, energy resources and the biodiversity of the plan 2. To Obtain basic knowledge on ecosystem and types of ecosystems. 3. To Understanding the social Issues and the impact of population on the environment. 4. To Obtain basic knowledge on environment pollutions, its types and pollutants 5. To understand the social issues and the environment.CourseUpon completion of this course, the students will be able to 1. Familiarize with bio diversity of the planet. 2. Familiarize with the types of ecosystems.	Course Description	Environmenta and informatic problems. Arc and greener wi	l science is an interdiscipli on sciences to the study of hitects and Designers need hich can be adaptable to th	nary acaden the environr l to make bu e surroundin	nic field that integrates physic nent, and the solution of envi ildings that are friendly to the ngs.	cal, biological ronmental e environment						
Course 1. Familiarize with bio diversity of the planet. Qutcome 2. Familiarize with the types of ecosystems.	Course Objective	 To und To Obt To Und To Obt To Obt To und 	lerstand our natural resourd tain basic knowledge on ec derstanding the social Issue tain basic knowledge on er derstand the social issues a	ces, energy r cosystem and es and the in avironment p and the envir	resources and the biodiversity d types of ecosystems. npact of population on the en pollutions, its types and pollu ronment.	v of the planet. vironment. tants						
 3. Explain the impact of pollution on the environment. 4. Familiarize with the environmental pollutants and its types. 5. Familiarize with the social issues and the environment. 	Course Outcome	 Upon completion of this course, the students will be able to 1. Familiarize with bio diversity of the planet. 2. Familiarize with the types of ecosystems. 3. Explain the impact of pollution on the environment. 4. Familiarize with the environmental pollutants and its types. 5. Familiarize with the social issues and the environment. 										

CO, PO AND PSO MAPPING

со	PO -1	PO -2	PO -3	PO -4	РО -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PSO -1	PS O- 2	PSO -3	PSO -4	PSO -5
CO-1	1	1	1	-	2	2	1	2	3	1	3	-	1	-	3	1
CO-2	1	1	1	-	2	2	1	2	3	1	3	-	1	-	3	1

CO-3	1	1	1	-	2	2	1	2	3	1	3	-	1	-	3	1	
CO-4	1	1	1	-	2	2	1	2	3	1	3	-	1	-	3	1	
CO-5	1	1	1	-	2	2	1	2	3	1	3	-	1	-	3	1	
1: Weal	kly rel	lated,	2: Mo	oderat	ely rel	lated a	and 3:	: Stro	ngly r	elated			L				
MODU	LE 1:	INTE	RODU	CTIC	ON TO	WO	RLD A	ART d	&								
CULTU	JRES								(6L-	+0P=6)						
Definit Popov	tion, so	cope a	nd im	portan	ce, of o	enviro	nmen	tal stu	dies, N	Need for	or pub	lic awa	reness	Iorost	CO-1		
resourc	ces: W	ater re	sourc	es: Mi	neral r	esourc	es: Fo	bod re	source	s: Ene	ergy re	sources	: Land	d d			
resources.														DIL-	4		
MODU	LE 2:	ECO	SYST	EMS	(6L+0]	P=6)											
Structu	ire and	l funct	ion of	an ec	osystei	m, Coi	ncept	of an o	ecosys	tem, F	Produc	ers, con	sume	rs and	CO-2		
decomposers, Energy flow in the ecosystem, Ecological succession, Food chains, food webs and														BTI -	23		
ecological pyramids, Types of Eco system														DIL-	2,0		
MODULE 3: BIODIVERSITY AND ITS CONSERVATION(6L+0P=6)																	
Bio-ge	ograpł	nical c	lassifi	cation	of Ind	lia, Va	lue of	biodi	versity	y: cons	sumpti	ve use,	produ	ctive use,	CO-3		
social, Endang	ethica	l, aestl and Fr	hetic a	ind op	tion va ies of I	lues, l ndia (Hot-sp Conse	oorts c rvatio	of biod n of b	iversit	y. Thr rsity	eats to	biodiv	ersity.	BTL-2.3		
Lindung											isity						
MODU	LE 4:	ENV.	IKON	MEN	TALI	POLL	UTIC	DN(6L	/+0 P =	6)							
Air pol	lution	, Wate	er poll	ution,	Soil po	ollutio	n, Ma	rine p	ollutio	on, No	ise pol	lution,	Thern	nal	CO-4		
cyclone	on, nuo e and l	clear h Landsl	iazard lides.	s, Soli	d wast	e Man	agem	ent, D	isastei	r mana	igemei	nt: 11000	is, ear	tnquake,	BTL-	2,3	
	I E 5.	SOC	LAT T	CCUE	C A NI) ТПІ	T ENIX	/ ID	NIME		1 AD _	6)					
	LE 3.	300		SSUE	5 ANI) I III					2⊤ 01 –	0)			T		
Climat	e chan	ige, glo ise Stu	obal w	varmin Waste	ig, acic	l rain, clama	ozone	layer	deple	tion, n m and	uclear	accide	nts and ts En	d vironment	co =		
Protect	tion A	ct. Air	(Prev	ention	and C	Control	of Pc	ollutio	n) Act	. Wate	er (Pre	vention	and c	ontrol of	CO-5		
Polluti	on) Ac	et, Wil	dlife I	Protect	tion A	ct, For	est Co	onserv	ation	Act, Is	sues in	nvolved	in en	forcement	BTL-	2,3	
of environmental legislation. Public awareness.																	
Т	EXT	BOOH	KS												•		
1.	Bio go	eo gen	iesis, g	green a	agenda	, Susta	ainabi	lity.									
F	REFEI	RENC	CE BC	OKS													
1	Cunni	inghar	n,W.P	.Coop	er T.H	l.Gorh	ani,	E& 1	Hepwo	orth,	M.T.	2001,	Envir	onmental E	ncyclo	pedia,	

	Jaico Publ. House, Mumbai, 1196p
2	Text Book for environmental Studies For UGC, ErachBharucha, 2004
E BOO	KS
1.	http://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf
MOOC	
1	http://academicearth.org/environmental-studies/

COUR	RSE E]	FUNDAMENTALS OF VISUALIZATION AND REPRESENTATION – II CREDIT S COURSE																	
COUR CODE	RSE E	Ŷ	SID21	010		C C	OURS ATEG	SE GORY	7	BS L-T-P-S 1-0-4-1										
Versio	on		2.0			Aj De	pprov etails	al		LEARNI NG BTL-3 LEVEL										
ASSES	SMEN	NT SC	SCHEME																	
1st Pe Asse	eriodic essmen	al t	2nd As	2nd Periodical AssessmentPortfolio AssessmentESE																
1	5%			15%)		2	0%					50%							
Course	e iption	Ir to	n this c apply	course them	, stude: throug	nts wi gh dra	ll stud fting.	ly abo	ut the	standa	ards fo	r resid	ential furn	iture	and lea	arn how				
Course Object	e tive		1. 2. 3. 4. 5.	To un To un Uphea To un To un To un	derstar derstar avals. derstar derstar derstar	nd the nd arch nd arch nd the nd the	spatia nitectu nitectu standa standa	l and tre as tre as ards fo ards fo	stylist an out a resp or resid or offic	ic qual come onse to dential ce furr	lities a of vari o the c l furnit niture a	ssocia ious sc ultural ture an and ap	ted with a ocial, polit and conte d apply th ply them t	rchite ical a ext. em th hroug	cture. nd eco nrough gh draf	nomic drafting. ting.				
Course Outco	e me	U	1. 2. 3. 4. 5.	omple Expla Famil Expla Famil Famil	tion of in the b iarize v in the s iarize v iarize v	this c basic c with th setting with th with th	ourse, compo ne co-o is of en ne draf ne tool	, the sonents ordina nviror fting, d ls on H	tudent of ope te syst iment. dimen Photos	s will erating tems, l sionin hop.	be able g on me UCS, s g and j	e to enu an shortcu layers	d setup wi its in Auto	zard. CAD).					
Prerequ	equisites: Nil																			
CO, PC) AND	PSO	MAP	PINC	Ţ															
со	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PS O- 1	PSO-2	PS O -3	PSO -4	PSO -5				

CO-1 2 1 1 2 1 3 1 1 1 ----

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CO-2 2

CO-3 2

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CO-4	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-
CO-5	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-
1: Weal	kly re	lated,	2: M	odera	tely re	lated	and 3	: Stro	ongly 1	elated	1			1		11
MODU	IODULE 1: - FINISHES & STAIRCASE (12L+0P=12)															
Wall fi window floorin materia	Wall finishes, wall plastering, chamfered corners, dado, wall cladding, fixing of doors & windows, etc. Details of floor finishes: tiling/ stone flooring, wooden flooring, access flooring Plans, sections & elevations of staircases: Types of staircases, different materials – RCC, wood, steel staircase, etc BTL-3															
MODU	LE 2:	WOO	DD W	ORK	REPR	RESE	NTAT	ΓΙΟΝ	(9	L+0P	=9)			1		
All wo walls: a framele types w	All woodworks: joinery, types of doors, windows, etc. Detailed drawing of Partition walls: all types of partitions – full height, half & dwarf, double skinned, single skinned, frameless glass, etc. Wall paneling: plywood, leather, acoustic boards, etc. False Ceiling: types with full system, insulation, acoustical, etc.															
MODU	LE 3:	RES	IDEN	TIAL	FURN	NITU	RE	(61	L+0P=	6)				1		
Detaile like: So sofa ch	Detailed plan, sections, elevations and isometrics of the standard residential furniture like: Sofas – double, single seat Tables – peg, nested, dining, etc. Chairs study, dining, sofa chairs, etc. Beds with side tables – TW frame, box frame, with storage, etc. BTL-3															
MODU (6L+0P	LE 4: =6)	STO	RAG	E REI	PRESE	ENTA	TION	N								
Storage enterta stool. I details	e & dis inmen Detaile of eac	splay t units d plar h unit	units: s, bool n, sect c, etc.	dressi k case ions, e	ng tabl , tall bo elevatio	e unit oy unit ons wi	s, sho ts, che th one	wcase est of e-poin	e, china drawer it persj	a cabir rs, etc. pective	nets, ho Bar co es of ki	ome ba ounter itchen	ar, with bar with		CO- BTL	-4 ,-3
MODU	LE 5:	OFF	ICE F	URN	ITURI	E (6L+0	P=6)						•		
Detaile work s	Detailed plan, sections, elevations and isometric views of office furniture – hierarchy of work stations, tables, return units, filing units, Reception table, etc.CO-5 BTL-3							-5 ,-3								
T	EXT	BOO	KS											Į		
1.	1.Shah, M G & others, Building Drawing: An Integrated approach to build Environment, 5TH edition, Tata McGrow Hill Publications Company Ltd, New Delhi, 2012								dition,							
2	2 Kilmer, Working Drawings & Details for Interiors, John Wiley & Sons., 2009															
F	REFERENCE BOOKS															

1	Dr. B.C Punmia, Building construction, Laxmi publications Pvt. Ltd., New Delhi, 1993.
2	Francis D. K. Ching - Building Construction Illustrated, VNR, 1975
3	W.B.Mckay, Building construction, Longmans, UK 1981
E BOC	DKS
1.	https://www.griffith.edu.au data/assets/pdf_file/0021/196203/13.00-Floor-Finishes-v18.pdf
2	https://www.researchgate.net/publication/320800578 Interior Finishing Materials
3	http://www.prenhall.com/divisions/ect/app/mehta.old/MEHTMC26_0131579886.pdf
4	http://www.rmf-group.com/catalog/catalog.pdf
5	https://www.fema.gov/sites/default/files/orig/plan/prevent/earthquake/fema74/pdf/chapter6_5_1/chapter6_5_1/chapter6_5_1_1.pdf
MOOO	
1	https://www.finefurnituremaker.com/course-syllabus/
2	https://www.risd.edu/academics/furniture-design/courses/
3	http://ceas.uc.edu/wood/furniture-drawing-courses.html

COURSE	BASIC MATERIALS AND CONSTRUCTION	CREDITS	3
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TITLI	E		TECH	INIQ	UES												
COUR CODE	RSE E		SID21	011			(CA	COUR ATEG	RSE ORY		BS		L-T-P-	S	2	-0-2-1	
Versio	n		2.0			1	Appro	oval D	etails		LEARNING LEVEL B						
ASSES	SME	NT SO	CHEM	E													
1st Pe Asse	eriodio essmer	cal nt	2no A	l Peri ssessi	odical ment		l As	Portfo ssessn	olio nent		ESE						
1	5%			15%	/o			20%	, D				50)%			
Cours Descr	e iption	C F C	Construction methods are the procedures and techniques that are used during the building process. It refers to the collection of innovative tools, machinery, modifications, software, etc. used during the construction phase of a project that enables advancement in field construction methods, including semi-automated and automated construction equipment.												uilding ftware, ld ment.		
Cours Object	e tive		 To Understand the progressive function of hardware's and Its properties, application in interior and base building construction industry, to gain awareness of the existing and new trends and availability of hardware and accessories materials. To Understand the stone varieties and properties to use in interior building Industry. To Understand the rubber performance at various state and properties to use in interior building construction industry. To Understand properties and use of plastics in interior building industry. To Understand in detail about the types and use of partitions and false ceilings in interior construction industry. 											plication existing Industry. e in ngs in			
Course OutcomeUpon completion of this course, the students will be able to1. Explain the progressive function of hardware's and its properties. 2. Familiarize with the types of ecosystems. 3. Explain the impact of pollution on the environment. 4. Familiarize with the environmental pollutants and its types. 5. Familiarize with the social issues and the environment.Prerequisites: NilCO, PO AND PSO MAPPING																	
со	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PS O- 1	PSO -2	PS O - 3	PSO -4	PSO -5	
CO-1	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-	

CO-2	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-
CO-3	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-
CO-4	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-
CO-5	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-
1: Weal	1: Weakly related, 2: Moderately related and 3: Strongly related															
MODU	LE 1:	STO	NES,	RUBI	BER A	ND P	LAST	IC						(2L+10	P=12)
Stones	: Igneo	ous, m	etamo	rphic	& sedi	menta	ry – c	lassifi	cation	s, type	es, proj	perties	s, availa	bility,		
applica	tions,	Rubbe	er – N	atural	rubber	, latex	, coag	gulatio	n, vul	canizi	ng and	synth	etic rub	ber-	CO	-
comme	ties an	d appl	1cation	n. Plas os fal	stics – pricatio	Types.	, thern	nosett	ıng an ımeriz	d ther	mo pla	stics, : ndens:	resins, ation P	lastic	CO-	1
coating	gs rein	forced	plasti	c, pla	stic lan	ninate	s – pro	opertie	es, use	s and	applica	ations.		lustic	BTI	3
MODU	LE 2:	HAR	DWA	RE										(2L+10	P=12)
Hardw	are & A	Access	sories:	all ha	rdware	e requi	red fo	r resic	lences	, offic	es, oth	er put	olic & p	rivate	СО	-2
spaces,	etc., i	ncludi	ing all	types	of hin	ges, di	rawer	slides	, hand	les, lo	cks, w	ire ma	magers,	etc.,	BT	L_3
accesso	ories fo	or toile	et, kito	chen, o	office,	glass p	patch 1	itting	s, proi	iles, e	tc.,				DI	L-J
MODU	LE 3:	PAR'	TITIC	DNS A	ND F.	ALSE	CEI	LING							(2L+1	0P=12)
Partitic	on wal	ls: all	types	of par	titions	– full	height	t, half	& dw	arf, do	ouble s	kinnec	l, single	e	CO	_3
skinned	d, fran	ieless	glass,	etc., V	Wall pa	uneling	g: plyv	wood,	leathe	r, aco	ustic b	oards,	etc., Fa	alse tions		-5
with or	ne-poir	nt pers	spectiv	ves of	Lectur	e Hall	, Audi	o Vis	ual Ro	oms v	vith de	tails	s, cieva		BT	L-3
MODU	LE 4:	INTE	ERIO	R CO	NSTR	UCTI	ON O	F FU	RNIT	URE	STOR	AGE	AND I	KITCH	IEN	
(2L+10)	P=12)															
Detaile	ed plan	, secti	ons, e	levati	ons and	l isom	etrics	of the	stand	ard re	sidenti	al furr	niture li	ke:		
Sofas -	- doub	le, sin	gle sea	at Tab	oles – p	eg, ne	sted, c	lining	, etc C	'hairs-	study,	dinin	g, sofa	chairs,		
etc								CC)-4							
Beds w	vith sic	le tabl	es – T	W fra	me, bo	x fran	ne, wit	th stor	age, e	tc. Sto	orage 8	z displ	lay unit	s :	BT	L-3
dressing table units, showcase, Kitchen china cabinets, home bar, entertainment units, book case, tall boy units, chest of drawers, etc.																
		units,	chest	01 ula	awers,											
MODU	LE 5:	INTE		R OF	OFFI	CE AN	ND IN	ISTIT	UTIC	DNAL	SPAC	CES	(2L+10	P=12)	
Detaile	d plan	, secti	ons, e	levati	ons and	l isom	etric v	views	of offi	ice fur	niture	– hier	archy o	f work	C)-5
stations	s, table	es, reti	ırn un	ıts, fil	ing uni	ts, Re	ceptio	n tabl	e, etc.							
Detaile	d plan	, secti	ons, e	levati	ons and	l isom	etric v	views	of furi	niture	of Inst	itutior	nal spac	es, Ret	ail B T	L-3
spaces	& hos	pitalit	y spac	es – b	ank co	unters	, rece	ption (counte	ers/ tab	oles, re	staura	nt servi	ce		

TEXT	BOOKS
1.	Bindra, S.P. and Arora, S.P. Building Construction: Planning Techniques and Methods of Construction, 19th ed. Dhanpat Rai Pub., New Delhi, 2000.
2	Moxley, R. Mitchell's Elementary Building Construction, Technical Press Ltd.
R	EFERENCE BOOKS
1	Rangwala, S.C. Building Construction 22nd ed. Charota Pub. House Anand, 2004.
2	Sushil Kumar. T.B. of Building Construction 19th ed. Standard Pub. Delhi, 2003.
3	Francis D. Ching, Building Construction Illustrated, Wiley publishers, 2008.
E BOO	KS
1.	http://www.slcdocs.com/historicpreservation/guideres/ch2.pdf
2	http://www.ouhk.edu.hk/LIPACE/Full_time/Notice/tips- 201207/DESN3004EF%20Environment%20and%20Interior%20Design%20Study%20Notes.pdf
3	http://www.csdcindia.org/sites/default/files/QP%20- %20Chargehand%20False%20Ceiling%20%26%20Dry%20Wall%20Installer.pdf
моос	
1	https://www.makeuseof.com/tag/learn-interior-design-8-free-online-courses/
2	http://www.interiordesignonline.edu.au/
3	https://www.udemy.com/topic/interior-design/

COURSE TITLE	BASICS OF COMPUTER DESIGN AND DIGITALFABRICATION	CREDITS	3

COURSE CODE	SID21012	COURSE CATEGOR	XY	BS	L-T-P-S		1-0-4-0			
Version	2.0	Approval Details			LEARNING LEVEL	1 F	BTL-3			
ASSESSMENT SCH	IEME	•			•					
1st Periodical Assessment	2nd Periodical A	Assessment	Р	ortfolio As	ssessment	ESE				
15%	15%			20%	6	50%				
Course Description	In this course, students will study the basics of AutoCAD and photoshop.									
Course Objective	 To Understand the basic components of operating on menu and setup wizard To Understand the co-ordinate systems, UCS, shortcuts in AutoCAD To Understand the settings of environment. To Understand drafting, dimensioning and layers To Understand the various tools on Photoshop. 									
Course Outcome	urse Outcome Upon completion of this course, the students will be able to1. Explain the basic components of operating on menu and setup wizard.2. Familiarize with the co-ordinate systems, UCS, shortcuts in AutoCAD.3. Explain the settings of environment.4. Familiarize with the drafting, dimensioning and layers5. Familiarize with the tools on Photoshop.						wizard. utoCAD.			
Prerequisites: Nil	1									
CO, PO AND PSO N	MAPPING									

со	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PS O-1	PS O-2	PS 0 -3	PSO -4	PSO -5
CO-1	-	-	1	1	3	1	1	1	-	-	-	1	-	3	-	-
CO-2	-	-	1	1	3	1	1	1	-	-	-	1	-	3	-	-
CO-3	-	-	1	1	3	1	1	1	-	2	-	1	-	3	-	-
CO-4	2	1	3	1	3	1	1	1	1	1	-	1	-	3	-	-
CO-5	3	1	3	-	3	1	1	1	1	1	-	1	-	3	-	-

1: Wea	kly related, 2: Moderately related and 3: Strongly related							
MODU	LE 1: BASIC OUTLINE	(3L+12P=15)						
Introdu	action to the menu, starting drawings from scratch. Creating and using templates-	CO-1						
starting	g drawings with setup wizards. Saving and closing a file.	BTL-3						
MODU	LE 2:AXIS POINTS	(3L+12P=15)						
Using	co-ordinate systems – The UCS. Working with Cartesian and polar coordinate	CO-2						
systems. Using displays with shortcuts.								
MODU	LE 3: UNITS, LIMITS AND LAYERS	(3L+12P=15)						
Setting	gup the drawing environment – setting the paper size, setting units, grid limits,	CO-3						
drawing limits, snap controls. Use of paper space and model space. Basic commands dealing with drawing properties: Layer control, change properties, line weight control, etc.								
MODU	LE 4: DIMENSIONS, CALCULATIONS AND GROUPING	(3L+12P=15)						
Inquiry	methods: Using data base information for objects, calculating distance, angle,							
areas e angula	r fashions along with quick time dimensioning etc. Creating and working with	CO-4						
blocks, exercis	, creating symbols, use of blocks in creating a layout, of a residential area- one se to be done as lab assignment.	BTL-3						
MODU	LE 5: BASICS OF ADOBE PHOTOSHOP	(3L+12P=15)						
Tool b	ox (Moving, marquee tool), Magic ward selection, Crop tool, Paint Brush,	CO-5						
Opacit Tool, N	y, Tent Styles, Blue tool, Sharpening Tool, Colour correction, Layers, moving Masking Tool.	BTL-3						
TEXT	BOOKS	<u> </u>						
1.	Computer Design & Digital Fab.							
2	Auto Desk, Revit 2017 for Architecture, Sybex, 2016.							
REFER	RENCE BOOKS							
1.	R Auto Desk, 3DS MAX comprehensive tutorial resources Wiley 2014.							
2.	 Sketch up for interior Design. 3D visualizing designing & space planning by Lidya Sloan, Wiley Publisher – 2014. 							
3.	Auto Desk Auto cad 2017 for Architecture, Sybex , 2016.							
E BOO	KS							

1.	http://toasterdog.com/files/basics_of_photoshop_full_guide.pdf
2	http://academics.triton.edu/faculty/fheitzman/Customizing%20AutoCAD.pdf
MOOC	2
1	https://www.coursera.org/learn/2d-cad#%20
2	http://au.autodesk.com/au-online/classes-on-demand/search?full-text=autocad
3	https://www.udemy.com/introduction-to-graphic-design/

COURSE TITLE	BASICS OF INTERIOR DESIGN – II	CREDITS	4

COUR	RSE C	ODE	SID	21401			COURSE CATEGORY				PC	L	T-P-S		0)-0-8-0		
Versio	n		2.0				Approval Details					L L	EARN EVEL	ING]	BTL-4		
ASSES	SME	NT SC	HEM	E		<u> </u>				<u>.</u>								
Cor Asse	ntinuo essmei	ous nt I	A	Contii ssessr	nuous nent I	I	Co Asse	ontinu essme	ous nt III				ES	E				
	20%			20	%			10%					50%					
Course Descripti In this course stud							will lea	arn ho	w do c	lesign	reside	ential s	spaces u	sing an	thropo	metry.		
Course Object	e tive		1. 2. 3.	 To understand the need of measurement for future design in spatial planning. To understand design module and use anthropometry To understand spaces of comfort and spatial quality. 											g.			
Course	i comp Famili Formu Formu	oletion arize v llate ar llate ar	of the with send desend desended	is cours pace p sign mo sign spa	se, the lannin odule aces o	g. g. and us f com	nts wi e anth fort ar	ll be a proporr nd spat	ble to netry a ial qua	s a tool ality.	in desi	gn.						
Prerequ	uisites	: Nil																
CO, PC) ANI) PSO	MAP	PPINC	F													
со	PO -1	PO -2	PO -3	PO -4	РО -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PS O- 1	PSO -2	PSO -3	PSO -4	PSO -5		
CO-1	2	2	2	1	1	2	2	3	1	2	1	3	1	1	-	1		
CO-2	1	2	1	2	1	2	2	3	1	2	1	3	1	1	-	1		
CO-3	2	2	2 1 1 2 2 3 1 2 - 3 1								1	-	1					
CO-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CO-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1: Wea	kly re	lated,	2: Mo	oderat	tely re	lated	and 3	: Stro	ngly r	elated	l	<u>I</u>	I	1	1	<u> </u>		
MODU	LE 1:	- BAS	SIC A	NTH	ROPO	ME	FRICS	(12)	L+0P=	=12)								

Averag represe in defir plannin	e measurements of human body in different postures – its proportion and graphic ntation, application in the design of simple household and furniture. Role of mannequins ning spatial parameter of design. Basic human functions and their implications for spatial ng. Minimum and optimum areas for various functions.	CO-1 BTL-4
MODU	LE 2: INTRODUCTION TO DESIGN METHODOLOGY (9L+0P=9)	
Detaile includin spaces circulat	d study of residential spaces: such as, living, dining, bedrooms, kitchen, toilet etc. ng the Furniture layout, circulation, clearances, etc. Case study of existing residential and the analysis of the spaces therein, to be taken up. Preparing user profile, bubble and tion diagrams.	CO-2 BTL-4
MODU	LE 3: VISUAL ANALYSIS DESIGNED SPACES (6L+0P=6)	
Visual void rei kiosk fo stall, ic	analysis designed spaces of noted for comfort and spatial quality; analysis of solid and lations, positive and negative spaces. Integration of spaces and function in the design of or - traffic police, ATM center, etc; stalls inside a shopping mall, - jewellery stall, flower e cream stall, etc; booths - bus ticketing booth, smokers' booths, etc.	CO-3 BTL-4
Т	'EXT BOOKS	•
1.	Karlen Mark, Space planning Basics, Van Nostrand Reinhold, New York, 3rd edition 2009	9
2	V.S.Pramar, 'Design Fundamentals in Architecture', Somaiya Publications, New Delhi, 20	007
REFER	RENCE BOOKS	
1	Joseph D Chiara, Julius Panero, & Martin Zelnick, Time Saver standards for Interior Designation planning, 2nd edition, Mc-Graw Hill professional, 2001.	gn & space
2	Francis.D. Ching& Corky Bingelli, Interior Design Illustrated, 2nd edition, Wiley published	ers, 2004.
E BOO	ØKS	
	https://multisite.eos.ncsu.edu/www-ergocenter-ncsu-edu/wp-	
1.	content/uploads/sites/18/2016/06/Anthropometric-Detailed-Data-Tables.pdf	
2	http://www.stat.colostate.edu/~jah/papers/Irvine%20et%20al%202007.pdf	
3	http://iopscience.iop.org/article/10.1088/1755-1315/95/5/052008/pdf	
4	https://bwrcs.eecs.berkeley.edu/Classes/IcBook/SLIDES/slides11.pdf	
MOOO	C C	
https://	www.oxfordhomestudy.com/courses/interior-design-online-courses/interior-decoration-co	urse

TITLE		HISTORY OF INTERIOR DESIGN – III CREDITS 3										
COURSE CODE	SID21013	COURSE CATEGORY	L-T-P-S	3-0-0-1								
Version	2.0	Approval Details	LEARNING LEVEL	BTL-3								
ASSESSMENT	SCHEME											
First Periodical Assessment	Second Periodical Assessment	Seminar/ Assignments/ Project	Surprise Test / Quiz	Attendance	ESE							
15%	% 15% 10% 5% 50%											
Course Descr iption	 e Descr In the past, interiors were put together instinctively as a part of the process of building. The practice of interior design harkens back to the Ancient Egyptians, who decorated their naive mud homes with basic furnishings enhanced by animal skins, simple textiles, graphic biographical and spiritual murals, sculptures, and painted urns. 1. To understand various architectural and interior elements from the ancient 											
Course Objective	 Course Objective Course objective 											
Course Outcome	Upon comp 1. Explain ar 2. Familiariz 3. Explain ho 4. Familiariz 5. Familiariz	bletion of this course, the chitectural and interior el- e with classic styles from ow various styles shaped a e with the decorative style e with various styles.	students will b ements from th the past. architecture and es in architectu	e able to ne ancient civilizat d interiors. ne and interior de	tions. sign.							

CO, PO	O ANI	D PSC) MAI	PPINO	3											
со	Р О- 1	P O- 2	P 0- 3	P 0- 4	РО -5	P O- 6	P O- 7	P O- 8	P O- 9	P O- 10	РО -11	P O- 12	PS O-1	PS O-2	PSO -3	PSO -4
CO- 1	1	1	1	-	2	2	1	2	3	1	3	-	1	-	3	1
CO- 2	1	1	1	-	2	2	1	2	3	1	3	-	1	-	3	1
CO- 3	1	1	1	-	2	2	1	2	3	1	3	-	1	-	3	1
CO- 4	1	1	1	-	2	2	1	2	3	1	3	-	1	-	3	1
CO- 5	1	1	1	-	2	2	1	2	3	1	3	-	1	-	3	1

	1: Weakly related, 2: Moderately related and 3: Strongly related	
MODU	JLE 1 : ELEMENTS OF STYLE	(6L+0P=6)
Elemen empha Egypti	nts of style and determinants of Interior environments in Ancient Civilization: sis shall be on Architectural elements, furniture, decorative arts, colors & materials. an - Indus Valley Civilization - The ancient Near East.	CO-1 BTL-2
MODU	JLE 2 : CLASSICAL WORLD AND ORIENTAL INFLUENCES	(9L+0P=9)
Interio China makin	or architectural elements of Greek Architecture, Roman architecture and Eastern - and Japan. Cultural influences on interior spaces. Crafts, materials and space g elements of the different periods.	CO-2 BTL-3
MODU	LE 3 : FROM THE MIDDLE AGES TO RENAISSANCE	(9L+0P=9)
Interio Renais influen influen	r architectural elements of Early Christian and Byzantine, Romanesque and Gothic, sance. Churches and Public building interiors and the socio-cultural factors acing the interior spaces. Crafts and technology of the different periods and their ace on Ornamentation. Residential interiors, furniture and finishes.	CO-3 BTL-3
MODU	LE 4 : DECORATIVE STYLES	(9L+0P=9)
Interio motifs Furnit	r architectural elements of Baroque, Rococo, and other royal styles. Ornamental and stylistic elements due to introduction of new materials like iron, glass and steel. ure, surface decorations and space making elements of the periods.	CO-4 BTL-3
MODU	LE 5: APPLICATION OF STYLES IN INTERIORS	(12L+0P=12)
Design	exercises involving application of eclectic styles and compositions across different	CO-5
typolo	gies and themes.	BTL-4
	TEXT BOOKS	
1.	John F. Pile, A history of interior design, 2nd edition, Laurence King Publishing, 2 Ireland, History of Interior Design, air child publications, illustrated ed., 2009.	2005. Jeannie
2	Giedion Sigfried, Space, Time and Architecture: The growth of a new tradition, 5t University Press, Cambridge, 2008.	h ed. Harvard
3	Sir Banister Fletcher, A History of Architecture, CBS Publications (Indian Edition 2019.	dition), 21st
	REFERENCE BOOKS	
1	Pile. F John, Gura Judith (2013) A History of Interior Design, Wiley, New York, 4	th edition.
	E BOOKS	
1.	https://www.yumpu.com/en/document/view/36775179/roman-architecture-notes.pd	df
2	https://tigerprints.clemson.edu/cgi/viewcontent.cgi?referer=https://www.google.com edir=1&article=1909&context=all_theses	m/&httpsr
3	http://www.nationalmuseumindia.gov.in/pdfs/Harappan-Civilization.pdf	
4	http://www.arch.mcgill.ca/prof/mellin/articles/glassievarch.pdf	
5	http://iaste.berkeley.edu/pdfs/01.2b-Spr90glassie-sml.pdf	
	MOOC	
	<u>Integration with control of the solution of t</u>	
2	https://www.edx.org/course/global-history-architecture-mitx-4-605x-0	

CO	URSE				INTE	RIOR	LAN	DSC	APE		(CRED	ITS		3	
CO CO	URSE ODE	E	SID2	21014		CO CAT	URS EGO	E RY		BS		L-T	-P-S		3-0-0)-1
Ve	ersion		2	.0	Α	pprov	val De	etails	2	4.02.2	024	LEAF LE	RNING VEL		BTL	-3
ASSE	ESSMI	ENT	SCHE	ME												
F Peri Asse	First Periodical ssessmentSecond Periodical AssessmenSeminar/ Assignments/ ProjectSurprise Test / QuizAttendanceE												ES	SE		
1	15%		15	15% 10% 5% 5% 50%												%
Co Desc	ourse criptio	urseIn this course, students will study about the role of hardscape and landscaping designriptionparameters for various types of built forms.														
Co Obj	ourse jective	3	 To understand knowledge of plant life and the science behind their life. To understand plants as a design element and understand its visual and physical dimensions. To understand the role of hardscape elements and assess their role individually. To understand the application of various tools in specific spatial context. Upon completion of this course, the students will be able to 													
Co Out	ourse tcome quisite	es:	 F E F F 	amilia xplain amilia amilia	rize w the vi rize w rize w	ith the sual a ith the ith the	plant nd phy role o appli	life a ysical of har catior	nd the dimen dscape n of va	scien nsions e elem rious	ce beh of pla ents. tools.	nind the	eir life.			
CO, F	PO AN	D PS	SO MA	APPIN	G											
СО	Р О- 1	P O- 2	P O- 3	P O O- <												
CO- 1	1	1	1	-	2	2	1	2	3	1	3	-	1	-	3	1
CO- 2	1	1	1 - 2 2 1 2 3 1 3 - 1 - 3									1				
СО-	1	1	1	<u> </u>	2	2	1	2	3	1	3	_	1	_	3	1

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MODULE 1:- LANDSCAPE IN INTERIORS (12L+0P=12)

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1: Weakly related, 2: Moderately related and 3: Strongly related

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СО-

CO-

Introduc	ction and role of landscape design in interiors - Basic classification of landscape	
in interi	ors - Types of natural hardscape elements – stones, rocks, pebbles, water forms	CO-1
, softsca	ape elements - plants and vegetation - Introduction to the study of plants in	BTL-1
relation	to landscape design and interiors.	
MODU	LE 2: TYPES OF PLANTS IN INTERIORS	
(10L+0)	P=10)	
Types of foliage a heights and scie	of indoor plants -Indian context - visual characteristics: i.e., Colour, texture, affects interiors -Market survey and costs, duration of availability, procurement - Flowers- its colours, texture and its visual perception in various indoor spaces ence of flower arrangement	CO-2 BTL-2
MODU (7L+0P	LE 3:DESIGN WITH SOFTSCAPE =7)	
Design	with plants - Basic principles of landscape design -The physical attribute of	
plants a	nd relation to design- Appearance, functional and visual effects of plants in	CO-3
landscap	pe interiors - Selection and management of plant material in relation to interiors	BTL-2
- Psycho	plogical effect of plants on humans	
MODU (6L+0P	LE 4: DIMENSIONS OF LANDSCAPE IN INTERIORS =6)	
Design	concepts related to use of sculpture, lightings in courtyard spaces within	
building	gs, terrace landscapes, furniture's in open spaces within built environment -	CO-4
Four di	mensions of landscape - Visual dimension ,aesthetical dimension , cultural	BTL-3
dimensi	on, character or sense of place dimension	
MODU (10L+0)	LE 5: LANDSCAPE DESIGN PARAMETERS P=1)	
Landsca	ping design parameters for various types of built forms- indoor and outdoor	
linkage	to spaces - Landscape design in different building typology - Residence,	CO-5
Comme	rcial -Hospitality and Showroom, Transport hub - Railway stations, Bus	BTL-4
terminal	s, Airport -Healthcare – Multi specialty hospitals , clinics , Therapeutic centers	
TEXT	BOOKS	
1.	Joseph DeChiara, Julius Panero, and Martin Zelnik Time-Saver Standards for ESpace Planning, 2nd edition, Mc-Graw Hill Professional, 2001.	Interior Design and
2	Andreas Uebele, Signage Systems and Information Graphics, Thames and Hud	son, 2007
	Craig Berger, Wayfinding: Designing and Implementing Graphic Navi	gational Systems,
3	Rotovision,	
	2009.	
REFEI	RENCE BOOKS	
1	Chris Calori, Signage and Way finding Design: A Complete Guide to Creating Graphic Design Systems, Wiley and sons, 2007.	Environmental
2	David Gibson, The Way finding Handbook: Information Design for Public Plac Architectural Press; 1st edition, 2009.	ees, Princeton
3	Rayan Abdullah and Roger Hubner, Pictograms, Icons and Signs, Thames and Edition, 2006	Hudson, illustrated
EBOOI	KS	

1	https://rockynook.com/shop/photography/the-interior-landscape/
MOOC	
1	https://alison.com/course/landscape-architecture-and-site-planning-introduction-to-landscape-design

COURSE TITLE	DE	SIGN THINKING		CREDITS	3						
COURS E CODE	SID21015	COURSE CATEGORY	BS	L-T-P-S	3-0-0- 3						
Version	2.0	Approval Details	24.02.202 4	LEARNI NG LEVEL	BTL- 4						
	Α	SSESSMENT SCHEM	ΛE								
First Periodica l Assessme nt	Second Periodical Assessment	Seminar/ Assignments/ Project	Surprise Test / Quiz	Attendanc e	ESE						
15%	15%	10%	5%	5%	50%						
Course Descripti on	This course offers an introduction to basic drawing and graphic modeling skills for architecture and interior design graphic communication. Students will receive instruction in two and three dimensional visualizations of form and space.										
Course Objective	 Develop skill Develop skill Develop skill information. Develop the the profession Develop skill Develop skill Develop the skill 	Is in drawing and preser ls in 2 and 3 dimensior skills and understandin n. Is in visual perception a skills necessary to build	ntation compo- nal drawing f g to execute nd presentation precise archi	osition. or communic drawings star on compositio itectural mode	eation of ndard to on. els.						
Course Outcome	Upon completion of 6. Understand th 7. Understand Process 8. Understand process 9. Understand v 10. Understand v	this course, the students the relevance of Context the approach and dev evolution and develop various 2D Design Prese various tools in Digital I	s will be able in Design Pr relopment of oment of des entations Design Preser	to ocess Content in sign through ntations	Design design						

Prere	quisit	es: Ni	1											
CO ,	PO A	ND PS	SO MA	APPI	NG									
со	Р О- 1	P O- 2	P O- 3	P O -4	PO- 5	P O- 6	P O- 7	P O- 8	P O- 9	P O - 10	Р О- 11	P O- 12	P S O -1	PSO- 3
CO -1	1	1	1	-	2	2	1	2	3	1	3	-	1	3
CO -2	1	1	1	-	2	2	1	2	3	1	3	-	1	3
CO -3	1	1	1	-	2	2	1	2	3	1	3	-	1	3
CO -4	1	1	1	-	2	2	1	2	3	1	3	-	1	3
CO -5	1	1	1	-	2	2	1	2	3	1	3	-	1	3
		1: We	akly r	elate	d, 2: M	lodera	tely r	elated	and 3	8: Stro	ongly	relate	ed	
MOI	DULE	1: UI (9L+	NDER 0P=9)	STA	NDIN	G THI	E CON	TEX	Т					
Archi Space techno aspira collec	tectura , Lar ology, tions, eting d	al Cor ndscap local o socio ata for	ntext, e Co craftsn cultur Litera	Undentext, nen, A al fac	erstandi , Clim Architec etors, ec and Cas	ng Sit ate, H ctural p conom se stud	te, Ne Region progran ic fact ly, Me	ighbon al are mming ors, un thods o	rhood chitect g- user ndersta of Gro	Cont tural requi anding oup we	ext, F chara remen g relev ork	Place cterist its, new vance	and tics, eds, and	CO-1 BTL- 2
MOD	ULE	2: DE (9L+	SIGN 0P=9)	PRC	DCESS									
Preser Flow Photo Build Study	ntation Char graphy ings H & Cas	n of Li ts, Ta y, Ext lighlig te stud	iteratur ibles iterior ghting y, Imp	re Stu & D And Qual oortan	udy, Ca viagram Interio ity Of ice of R	se stu s, Imj or Ph Archit elevar	dy, Ill portan otogra tectura nt Core	ustrati ce of phy, 1 Spac 2/ Spec	on Te Sket Photo ces, A cial stu	chniq ching Doc nalys ıdy	ues - , Arc ument is of]	Prepar hitect ation Literat	ring ural Of ture	CO-2 BTL- 2
MOD	ULE	3 - GI	RAPH	ICA (9L	L REPI +0P=9)	RESE	NTAT	ION						
Presenting Case Studies, Literature Reviews, Analysis and Inference, Experiencing Architecture: Circulation- Approach and Entry, Path Configuration And Access, Sequence Of Spaces, Proximity Analysis, Legal Restraints, User Activity Spatial Analysis, Site Analysis, Parameters to be considered in Site Analysis, Setting up Goals and Objectives for the Project, Concept Development and analysis, Form And Function Development Of Form From Concept									CO-3 BTL- 2					
MOD PRES (9L+	MODULE 4 PRESENTATIONMETHOD(2D) (9L+0P=9)													
Under Portfo	rstandi olio Pr	ing Co esenta	omposi tion, V	ition Verba	of Shee l Preser	et, Lay itation	yout A	nd Pre	esentat	ion, S	Story]	Board	ing,	CO-4 BTL- 2
MOD	ULE	5 - DI	GITA	L PF	RESEN	TATI	ON							

	(9L+0P=9)	
Multi preser	-media presentation, Audio-visual projection and Computer based ntations, Movie making Flash movies, animation graphics, and walkthroughs.	CO-5 BTL- 2
TEX	T BOOKS	
1	Farrelly. Lorraine, The Fundamentals of Architecture, AVA Publishing, Switz (2007)	zerland
REF	ERENCE BOOKS	
1	Sam F. Miller, Design Process A Primer for Architectural and Interior Design	ers
2	YatinPandya,"Elements of Space making", Mapin 2007.	
3	Dinsmore, G. A. (1968). Analytical Graphics. Canada : D. VanNostrand, Co Inc.	ompany
E BO	OKS	
1.	Elizabeth Resnick, 2009, Design for Communication: Conceptual Graphic De Basics 1st Edition, Kindle Edition, Wiley	esign
MOC	DC	
1	https://ocw.mit.edu/courses/architecture/4-110j-design-across-scales-discipli and-problem-contexts-spring-2013/	nes-

COURSE TITLE	ADVANO CONSTR	CED MATERIAL	S AND IQUES	CREDITS	3						
COURSE CODE	SID21016	COURSE CATEGORY	BS	L-T-P-S	2-0-2-2						
Version	2.0	Approval Details	24.02.2024	LEARNING LEVEL	BTL-4						
ASSESSMENT SCHEME											
1st Periodical	2nd Periodical	Portfolio	ESE								
Assessment	Assessment	Assessment									
15%	15%	20%		50%							
Course	In this course stud	ents will learn abou	it a few types of	materials largely use	ed in the sector						
Description	of construction and	l their usage as faça	ide, false ceiling	, Joining systems, etc	2.						
	1. To Underst	and the different ty	pes and forms of	steel available in the	e market.						
Course	2. To apply th	e use of different ty	pes in building	interiors in various a	pplication.						
Objective	3. To develop	the plan section an	d elevation of al	uminum frames.							
	4. To understa	nd the fixing detail	s of cladding.								

	5. Understand the different methods of fixture and materials used in false ceiling and
	flooring.
	Upon completion of this course, the students will be able to -
	1. To understand the different types and forms of steel available in the market.
C	2. To apply the use of different types in building interiors in various application.
Course	3. To develop the plan section and elevation of aluminum frames.
Outcome	4. To understand the fixing details of cladding.
	5. Understand the different methods of fixture and materials used in false ceiling and
	flooring.
Prerequisites: Nil	

CO, PO AND PSO MAPPING

CO	P 0 - 1	Р О- 2	Р О- 3	Р О- 4	PO -5	Р О- 6	Р О- 7	PO-8	P 0 - 9	Р О- 10	PO -11	PS 0-1	PS O- 2	PS 0 -3	PSO -4	PSO -5
CO-1	2	2	2	1	1	2	2	3	1	2	1	3	1	1	-	1
CO-2	1	2	1	2	1	2	2	3	1	2	1	3	1	1	-	1
CO-3	2	2	2	1	1	2	2	3	1	2	-	3	1	1	-	1
CO-4	2	2	2	1	1	2	2	3	1	2	1	3	1	1	-	1
CO-5	1	2	1	2	1	2	2	3	1	2	1	3	1	1	-	1

1: Weakly related, 2: Moderately related and 3: Strongly related

MODULE 1: STEEL	(2L+10P=12)
Steel-Types, properties and uses, various application of steel including stainless steel, Steel windows, metal flooring, Mezzanine floor construction, supports, joists, flooring, steel staircase, Sheet metal roofing, with truss, joist, purlin Case study- Industrial sheds with steel structure sheet metal wall and roofing.	CO-1 BTL-4
MODULE 2: METAL	(2L+10P=12)
Gates-Hinged Gates , Rolling and Sliding gates ,Collapsible Gates, Lift Doors , Rolling shutters, Balcony Railings , Staircase railings ,Balustrades, Stainless steel with wood gates , Stainless steel with glass balcony railings , Stainless steel staircase handrails and balusters – indoor and outdoor accessories.	CO-2 BTL-4
MODULE 3: ALUMINUM	(2L+10P=12

)									
Aluminu ,Doors-o height pa fixtures.	m – Properties and uses, various applications in interiors ,finishes in aluminum pen able and sliding , Windows- openable, fixed and sliding, Office Partitions-full artition and modular partition. Case study-Different shapes in aluminum frames and	CO-3 BTL-4							
MODUI	LE 4: CLADDING								
(2L+10P	2=12)								
Aluminu Different composit fronts , A	Aluminum as Façade Cladding material ,Fixing of cladding to exteriors –Curtain wall – Different fixing methods , Joining systems –Glazing extrusions - insulations, Aluminum composite panel -interior & exterior ,commercial applications in interior wall cladding , Shop fronts , Advertisement panels and accessories.								
MODUI	LE 5: FALSE CEILING								
((2L+10)	P=12)								
False ceiling –with various materials such as , Plaster of Paris in residential, Gypboard , Aluminium ,Wood in office and commercial establishments ,Acoustic Ceiling , Thermal insulation , Under deck insulation - Insulated Ceilings in factories and Fuel outlets - case study.CO-5 BTL-4									
TEXT B	OOKS								
1	Shah, M G & others, Building Drawing: An Integrated approach to build Environment, edition, Tata McGraw Hill Publications Company Ltd, New Delhi, 2017	, 5th							
2	Kilmer, Working Drawings & Details for Interiors, John Wiley & Sons.								
REFER	ENCE BOOKS								
1	W.B.Mckay, "Building Construction", Vol. 1, 2,3- Longmans U.K 2010.								
2	Dr.B.C.Punmia, "Building Construction", Laxmi Publications Pvt. Ltd., New Delhi, 201	.7.							
3	Harold B. Olin, Construction Principles Materials and Methods, The Institute of Financi Education, Chicago, 2012.	al							
4	S.C.Rangwala, "Engineering Materials", Charotar Publishing House, India, 2017.								
E-BOOK	S								
1	1 https://books.google.co.in/books/about/Building_Materials_and_Construction.html?id=qERxDwA AQBAJ&redir_esc=y								
MOOC									
1	https://www.classcentral.com/course/swayam-principles-of-casting-technology-7899								

2	https://www.classcentral.com/course/edx-introduction-to-steel-3398

COURSE TITLE	BASICS O	F INTERIOR SERV	VICES	CREDITS	3					
COURSE CODE	SID21017	COURSE CATEGORY	BS	L-T-P-S	2-0-2-2					
Version	2.0	Approval Details	24.02.2024	LEARNING LEVEL	BTL-6					
ASSESSMENT SC	CHEME	•								
1st Periodical Assessment	2nd Periodical Assessment	Portfolio Assessment		ESE						
15%	15%	20%	50%							
Course Description	In this course, students will study about the water supply system, waste management system, sanitary system and electrical layout for the interiors.									

			1.	To i	dentify	y the d	omes	tic wa	ter sur	oply sy	stem an	d des	ign the	size of	the tan	k
			2.	To i	dentify	y and o	liffere	entiate	the va	arious	sanitary	fittin	g in the	e domes	tic setu	Jp
			3.	Τοι	underst	tand th	ie app	ropria	te san	itary s	ystem w	vith re	spect to	the lay	out an	d
C	ourse		the economics													
Ob	jectiv	e	4. To know the waste management system in residences and rain water harvesting.													
			5. To understand the various electrical appliances, their symbols and their													
			installations with respect to NBC and prepare the electrical layout for the interiors.													
Upon completion of this course, the students will be able to																
1. Familiarize with various sanitary fitting in the domes											stic se	tup.				
			2. Fa	miliar	rize wit	th the	variou	ıs sani	tary fi	tting i	n the do	mesti	c setup.			
C	ourse		3. Ex	plain	the im	pact sa	anitary	y syste	em wit	h resp	ect to th	e layo	out and	the eco	nomic	s.
Ou	tcom	e	4. Fa	milia	rize wi	th the	waste	mana	gemer	nt syste	em in res	sidenc	es and	rain wa	ter harv	vesting.
			5. Fa	miliar	ize wit	h vari	ous el	ectrica	al appl	iances	s, their s	ymbo	ls and th	heir ins	tallatio	ns with
			respe	ct to N	IBC an	nd prep	pare th	ne elec	trical	layout	for the	interi	ors.			
Prerequ	isites	: Nil														
CO. PO	ANI) PSC) MAI	PPINO	۲ T											
					_					1		D		DG		
	Р	Р	Р	Р	DO	Р	Р	Р	Р	Р	DO	P C	DC	PS	DEO	DCO
CO	0	0-	0-	0-	P0	0-	0-	0-	0-	0-	PO-	3		0.	P50	PSU 5
	-1	2	3	4	-5	6	7	8	9	10	11	1	0-2	5	-4	-5
<u>CO 1</u>	2	2	2	1	1	2	2	2	1	2	1	1	1	1		1
	2	2	2	1	1	2	2	3	1	2	1	3	1	1	-	
CO-2	1	2	1	2	1	2	2	3	1	2	1	3	1	1	-	1
CO-3	2	2	2	1	1	2	2	3	1	2	-	3	1	1	-	1
CO-4	2	2	2	1	1	2	2	3	1	2	1	3	1	1	-	1
CO-5	1	2	1	2	1	2	2	3	1	2	1	3	1	1	-	1
			1: W	'eakly	relate	ed, 2: 1	Mode	rately	relat	ed and	d 3: Stro	ongly	related	1		
MODU	LE 1:	WA'	TER S	SUPP	LY									(6L+6P	= 12)
General	idea	of sou	irces o	of wate	er supp	ly. Sta	andard	ls for o	quality	of wa	ater. Do	mesti	c water	system	s, (C O-1
suction water T	and s	torage take s	tanks	and the to var	heir ca	pacity	. Pipe	s and	their s	izes ai	nd jointi	ng. C	onsump	otion of	вт	'L-4
water. I	20 WII	ture s	, appry	io val	1003 11	ungs.										
MODUI	LE 2:	SAN	ITAR	Y FIT	TING	S									(6L+6]	P=12)

Types of fittings like taps, ball valves, hot water supply systems, bathtubs, showers, jets, cocks, valves etc. Faucets for kitchens, bathrooms and toilets. Check valves, foot valves, sump pump check valves.										
MODU	LE 3: SANITATION (3I	L+12P=15)								
Basic p outdoor systems interior fixing c	rinciples of sanitations and disposal of waste materials from buildings. Connection to r drainage system, size requirements, types of pipes available in the market. Water carriage s, standard sanitary fittings, traps, pipes and their jointing. Flushing systems. Bathroom layouts, extensive market survey of products available, economies of products available, of the products with other finishing materials.	CO-3 BTL-4								
MODU	ULE 4: SOLID WASTE (61	2+3 P=9)								
Waste 1 water h	management: Refuse, different forms of refuse garbage, house refuse, refuse chutes, rain arvesting etc	CO-4 BTL-4								
MODU	JLE 5: ELECTRICITY (2L-	+7 P=9)								
Electrical Installations: Building wiring system. Service wires, metering distribution boards, circuits, MCB cutouts. Conductors, wiring methods, switch boards, electrical devices in the buildings, light and power circuits. Indian electricity rules, relevant provisions of NBC. Preparation of electrical layout scheme for a interior using standard electrical symbols										
TEXT	BOOKS									
1	Rangwala, S.C. water supply and Sanitary Engineering : Environmental Engineering, Char house, Anand, 2008	otar pub								
2	Electrical wiring and contracting (vol. 1 to vol.4), London. The New era Publishing Compa	any								
REFEI	RENCE BOOKS									
1	Dr Frith Abnwos and others, Electrical Engineering hand book.									
2	2 William . J. Guinness, Mechanical and Electrical Systems for Buildings, New York : Mc Graw Hill.									
E-BOO	DKS									
	archive.org/details/TimeSaverStandardsForBuildingTypes									
MOOC	MOOC									

COURSE TITLE	INTERIC	OR DESIGN STUDI	CREDITS	4						
COURSE CODE	SID21402	COURSE CATEGORY	РС	L-T-P-S	0-0-8-2					
Version	2.0	Approval Details	24.02.2024	LEARNING LEVEL	BTL-6					
ASSESSMENT SCHEME										

Con	tinuo			Tontin			Cont	inuo	16									
	smon	ous t _ 1			uous ont T	r /		mont			Su	mma	tive As	sessme	ent			
ASSCS	SIIICII	ι-1	ASS	56551110	- II.		199099	шепі	111									
2	20%			20%	/0		1	0%		50%								
C	ourse		In th	is cou	rse, stu	dents	will b	e equi	ipped	with th	ne know	ledge	to desig	gn sing	le leve	l		
Des	cripti	ion	planr	ning of	finteri	or spa	ce.											
C Ob	ourse jectiv	e 7e	1. 2. 3. 4.	 To e and sam To e spece To l To l 	enable approp e. expose cial lec learn si solve d	studer oriate stude tures f ngle l esign	nt to fa case st nts to from e evel p solutio	amilia tudies famili xperts lannir on anc	rize w within arize v s. ng in sn l prese	ith the n the r with th mall so ent in t	given d egion, v ne given cale. he form	lesign isiting topic	topic b g the sit of desi; awing.	y choo es and gn by a	sing, re analyz arrangin	elevant ing the ng		
Upon completion of this course, the students will be able to1. Understand Anthropometry2. Conceptual exploration and representation of their ideas.3. Concepts sketching4. Application of design principles and elements in interior space																		
Prerequ	isites	: Nil		PPINA	2													
0,10	AN	DISC	VIA		J													
со	P O -1	Р О- 2	Р О- З	Р О- 4	PO -5	Р О- б	Р О- 7	P O- 8	Р О- 9	Р О- 10	РО- 11	P S O- 1	PS O-2	PS 0 -3	PSO -4	PSO -5		
CO-1	2	2	2	1	1	2	2	3	1	2	1	3	1	1	-	1		
CO-2	1	2	1	1 2 1 2 2 3 1 2 1 3 1 1 - 1									1					
CO-3	2	2	2	2 1 1 2 2 3 1 2 - 3 1 1 - 1														
CO-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CO-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<u> </u>	<u> </u>	1: W	eakly	relate	e d, 2:]	Mode	rately	relat	ed and	1 3: Stro	ongly	related	l	<u> </u>			

The primary focus should be on

- Anthropometry
- Design methodology

- Conceptual exploration and representation.
- Creativity
- Scale/proportion
- Documenting space
- Graphic design (page layout and composition)
- Concepts sketching
- Application of design principles and elements
- Portfolio development

The list of suggested topics to be covered as design problems shall be a single space like: Single room residence, Doctor's clinic, kindergarten class room, Crèche, Architect's studio, Lawyer's office, small cafeteria, bank extension counter, florist shops, medical outlets, clothing store, shoe store, accessory store, book shop, waiting lounges for – hospitals, corporate, hotels, etc.

Note: At least three major exercises and four minor design/time problems should be given.

Internal marking shall be done in stages project wise:

- Schematic layouts
- Final layout
- Sectional elevations
- Typical details
- Complete project with all details 3D drawings with colour rendering

TEXT BOOKS1Joseph D Chiara, Julius Panero, & Martin Zelnick, Time Saver standards for Interior Design &
space planning, 2nd edition, Mc-Graw Hill professional, 2001.2Francis.D. Ching & Corky Bingelli, Interior Design Illustrared, 2nd edition, Wiley publishers, 2004.3Maureen Mitton, Interior Design Visual Presentation: A Guide to Graphics, Models, and
Presentation Techniques. John Wiley and Sons, 20034Robert Rengel, Shaping Interior Space, Fairchild Books & Visuals ,2002

SEMESTER IV

COURSE TITLE	ADVANC	ED FURNITURE D	CREDITS	3	
COURSE CODE	SID21018	COURSE CATEGORY	РС	L-T-P-S	3-0-0-0
Version	1.0	Approval Details	24.02.2024	LEARNIN G LEVEL	BTL-3

ASSESSMENT SCHEME															
First Periodical Assessment			Second Periodical Assessment		t	Seminar/ Assignments/ Project			Surprise Test / Quiz		e iz	Attendance		ESE	
15%			15%			10%			5%		5%)	50	%	
Course Description		Th int co en ha ma	This course introduces students to the principles and practices of sustainable design in interior design. It explores the integration of environmental, social, and economic considerations to create interior spaces that are both aesthetically pleasing and environmentally responsible. Through a combination of theoretical knowledge and hands-on projects, students will learn to make informed decisions, select sustainable materials, and implement eco-friendly design solutions												
 Course Objective 1. Understand the fundamental principles of furniture design. 2. Apply design thinking to create innovative and functional furniture pieces. 3. Demonstrate proficiency in selecting appropriate materials and construction techniques. 4. Present and communicate furniture designs effectively, both visually and verbally 5. Engage with emerging trends and technologies in the field of furniture design. 								uction bally.							
Course Outcome		U] 1. 2. 3. 4. 5.	 Upon completion of this course, the students will be able to - Demonstrate a deep understanding of advanced furniture design principles and techniques. Create functional and aesthetically pleasing furniture pieces for interior spaces. Apply sustainable and ergonomic considerations to furniture design projects. Communicate their design ideas effectively through visual and verbal presentations. Stay informed about contemporary trends and technologies in furniture design. 												
Prerequisites:															
CO, PC) AND	PSO	MAP	PING											
СО	РО -1	P O- 2	P O- 3	P 0- 4	P O- 5	P 0- 6	P O- 7	P O- 8	P O- 9	PO -10	P O- 11	PO -12	PS O-1	PS O-2	PS 0-3
CO-1	3	2	2	1	1	1	1	1	3	3	1	2	1	3	2
CO-2	3	3	1	1	1	1	1	1	3	3	1	2	3	3	1
CO-3	2	3	1	1	1	1	1	1	3	3	1	3	2	2	1
CO-4	3	3	1	1	1	1	1	1	3	3	1	2	2	2	1
CO-5	2	3	1	1	1	1	1	1	3	3	1	2	1	3	1
1: Weakly related, 2: Moderately related and 3: Strongly related															
MODU	LE 1:	INTR	ODU	CTIO	N TO	FURN	ITUF	RE DE	SIGN	(12 I	L=12)				
Introduction to Furniture Design Principles, Understanding Materials and Fabrication Techniques, Ergonomics in Furniture Design, Design Thinking and the Creative Process. Works of famous designers- Charles & Ray Eames, Eero Saarinen, Jean Prouve, Paul BTL-2CO-1 BTL-2Mccobb, Ettore Sottass, Knoll, Jens Risom etc.BTL-2															
MODU	MODULE 2: FUNDAMENTALS OF FURNITURE DESIGN (8L=8)														

Typologies, Dir materials and fa wall units, offic standards, Modu	CO-2 BTL-2					
MODULE 3:	MATERIALS AND TECHNOLOGY (8L=8)					
Terminology us application in F Structural section in furniture cor Injection Moldin etc. Advanced Robotic brick la	CO-3 BTL-3					
MODULE 4:	FINISHING MATERIALS AND TECHNIQUES (8L=8)					
Finishing of Furniture: Different types of and other finishing techniques for Wood & Metals (Paints & pigments, lacquering, enamelling, Electroplating) etc. ply wood (laminates, veneers, PU coating, factory made), counter tops (granite, quartz, corian, etc), glass (lacquered, coloured, frosted, fluted). Textile materials and accessories. Fittings and fixtures (handles, hinges, trays,). Applications of different techniques to different types of the type of type of the type of the type of type of the type of type o						
MODULE 5: 1	FURNITURE DESIGN PROJECT AND PRESENTATION (9L=9)					
Designing of product basic material wood, Metal &Glass, etc -Full size/ Model. Conceptualizing and Designing Furniture Pieces-Fabrication and Prototyping- Presentation and Visual Communication of Design Concepts- Final Furniture Design Project: Presentation and Evaluation.						
TEXT BOOKS						
1.	Pile, J. F. "Furniture: A Concise History." Thames & Hudson, 2013					
2.	Bernhardt, A., & Huttner, A. "Furniture Design." Birkhäuser.2014					
REFERENCE	BOOKS					
1	Hinchcliffe, F. "Materials for Interior Environments." Wiley, 2014					
2 Jim Postell, Furniture Design, Wiley publishers, 2007.						
E BOOKS						
1.	https://issuu.com/cedarlanepress/docs/issuu_9781940611051_preview					
2.	https://issuu.com/search?q=furniture+design#google_vignette					
MOOC						
1.	https://www.domestika.org/en/courses/4944-design-fundamentals-an-int furniture-design/course	roduction-to-				

COURSE TITLE	BASICS O	F STRUCTURAL D	CREDITS	3											
COURSE CODE	SID21019	COURSE CATEGORY	BS	L-T-P-S	300303										
Ver	sion		1.0			A] I	pprov Details	al S	24.	02.2024	4	LEAR G LEV	NIN /EL	BTI	L -3
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ASSES	SMEN	T SC	HEM	E											
Fi Perio Asses	rst odical sment		See Perie Asses	cond odical ssment	t	Seminar/ Assignments/ Project			Sı Tes	urprise st / Qui	z	Attendance		ESE	
15	5%		1	5%			10%			5%		5%	,	50%	
Course DescriptionTo enable students with a basic knowledge of structural design for buildings. The emphasizes the understanding, development of structural form and the evolu- structural design knowledge and students will investigate the behaviour of st systems and elements through design exercises, case studies.1. To inform students about various element in building construction											e evolut of stru	course ion of actural			
Course Objecti	ve	1. 2. 3. 4. 5.	 To inform students about various element in building construction To inform the load transfer mechanism. To make student familiar with load acting on building. To inform the behaviour of building during action of loads. To inform structural properties of materials used in building. 												
Course Outcon	urse Upon completion of this course, the students will be able to 1. Aware of various built elements used in the building construction. 2. Understand the concept of structural systems in building and their importance in load transfer. 3. Familiar with the loads acting on building. 4. Understand behaviour of buildings during the action of various loads acting on it. 5. Describe the structural properties of materials used in the building.										e in on it.				
Prerequ CO, PO	isites:	PSO	MAP	PING											
со	PO -1	P O- 2	P O- 3	P O- 4	Р О- 5	P O- 6	P O- 7	P O- 8	P O- 9	PO -10	Р О- 11	PO -12	PS O-1	PS O-2	PS 0-3
CO-1	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-
CO-2	-	2	2	-	-	-	-	-	-	-	-	-	2	-	-
CO-3	-	2	2	-	-	-	-	-	-	-	-	-	2	-	-
CO-4	-	1	2	3	-	-	-	-	-	-	-	-	3	-	-
CO-5	-	-	-	-	3	-	-	-	•	-	-	-	3	-	-
		1:	Weal	kly rel	ated,	2: Mod	lerate	ly rela	ted ar	nd 3: St	rong	y relat	ted		
MODU	LE 1:	BUIL	T ELI	EMEN	TS								((9L+0P=	=9)
Introdu materia classifi and arc	als used cation chitectu LE 2:	to buil d. Basi of dif ural ele STR	lt elem ic cons ferent ements UCTU	ents – structic types (s. JRAL	study on met of bui	y of but thods at ldings: T EMS	ilt elen nd gen overv	ments i leral sp iew of	in the ecifica differ	interior ations. C ent func	s with Gener ctiona	h respe al type l, struc	ect to s and etural	CO BTI (9L+0P:	1

Introduction to basic structural systems, elements of structure, their functions and behavior, beams, slabs, columns, walls, foundations, frame structures, composite structures, load bearing wall systems, trusses, rigid frames, linear and curved elements, simply supported, cantilever and overhanging beams for various loads, : effect of simple geometric forms in the overall structural behavior. Construction of elements like lintels, sunshades, staircases, arches – parts, types, types of columns – RCC, fabricated, built-up brick column, floating column, etc.,	CO-2 BTL-2						
MODULE 3: STRUCTURAL LOADS	(9L+0P=9)						
Primary and secondary forces acting on the structures – gravitational force, live load, wind, temperature variation, distribution of loads through the elements of the structural system.	CO-3 BTL-3						
MODULE 4: STRUCTURAL BEHAVIOUR	(9L+0P=9)						
Characteristic requirements of a structural design – stress and strains, strength, stiffness and stability. Discussion on factors affecting them and the ways of satisfying these requirements. Study of behaviour of structures through models and testing them for given loads.	CO-4 BTL-2						
MODULE 5: STRUCTURAL PROPERTIES & ELEMENTS	(9L+0P=9)						
Structural properties of basic materials like masonry, timber, concrete, and steel etc. Light weight space structure, small- and large-scale surface structure, integrated display system and structural elements. Structural systems and their layout for a small building. Structural systems for elements of interior spaces – false ceilings, false flooring, suspended floors & ceilings, etc. Structural system for urban interior spaces – malls, fair grounds, exhibition spaces, etc. Awnings, space frames, etc Assignments: Sketches of various types of structures, trusses, arches, lintels, sections of chajjas, awnings, etc.,	CO-5 BTL-2						
TEXT BOOKS							
1.S.P.Bindra, S.P.Arora, Building Construction							
REFERENCE BOOKS							
1 Dr.B.C.Punmia, Reinforced Concrete Structures, Laxmi publication, Dell	hi, 2004.						
2 P.Dayaratnam, "Design of Reinforced Concrete Structures", Oxford and IBH Pub Co., 2002.							
E BOOKS							
1. <u>https://nptel.ac.in/noc/courses/noc20/SEM1/noc20-ar03/</u>							
MOOC							
1. <u>https://nptel.ac.in/noc/courses/noc20/SEM1/noc20-ar03/</u>							

COURSE	ADVANCEI	ADVANCED COMPUTER DESIGN AND						
TITLE	DIGI	DIGITAL FABRICATION						
COURSE CODE	SID21020	COURSE CATEGORY	EEC	L-T-P-S	1-0-4-2			

									1						
Ver	sion		1	1.0		A	pprov Details	al S	24	.02.20	24	LEAR G LE	NIN VEL	BTI	L-3
ASSES	SMEN	T SC	CHEME												
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15	5%			15%	, 0				20%				50	%	
		T	The course will introduce students to advanced Computer and design by introducing												ducing
Course further tools and software skills. The course allows students to explore opportune option of the strength and the st											oportuni	ties to			
Descr	ription	ex co	extend digital fabrication, from the often small scale art and temporary installation context, into the design and construction of everyday projects.												llation
		 To understand the basics of 3D drawings with sketch up software. To understand the theory behind 3d modelling with wireframe structures. 													
Course	e.	2. 3.	To a	pply th	ne vari	ious co	omman	ds in F	REVIT	and cr	eate a	rchitec	tural dr	awings.	
Objecti	ive	4.	To e	xplore	on th	e solid	mode	lling te	chniqu	ies in t	he sof	tware		-	
		5.	To u	ndersta	and th	e rend	ering a	ind pre	sentati	ion tecl	hnique	es for a	drawin	g	
		U	pon co	mpleti	on of	this co	urse, tl	he stud	ents w	vill be a	able to), C			
Course		1.	To g	ain kno o 3D N	owied Model	ige on ling w	3D Dra ith wir	awings eframe	struct	Sketch	Up So	itware			
Outcon	ne	3.	To c	reate n	nodels	s in RE	EVIT a	rchitec	ture						
		4.	To d To d	o Solio o Preso	d mod entatio	elling on Dra	wings	and re	nderin	gs.					
							0			0					
Prereq	uisites:	AUI	COCA	D											
CO, PO) AND	PSO	MAP	PING											
CO	РО	P	P O	P	P	P O	P O	P O	P	РО	P	РО	PS	PS	PS
CO	-1	2	3	4	5	6	7	8	9	-10	11	-12	0-1	0-2	0-3
CO-1	3	-	3	-	-	-	1	-	-	-	1	-	-	1	-
CO-2	-	3	-	3	-	-	-	1	1	-	-	2	-	-	2
CO-3	-	-	-	-	3	3	-	-	-	-	-	-	1	-	-
CO-4	-	-	-	-	3	3	-	-	-	1	-	-	-	1	-
CO-5	3	3	-	-	-	-	2	-	-	-	-	-	1	3	-
MODE		1:	: Weal	kly rela	ated,	2: Mo	derate	ly rela	ted ar	nd 3: S	trong	ly relat	ted		
MODU (3L+12)	DLE I: P=15)	SKE.	ГСН)P (3D)										
Masteri	ng the	basic	s, incl	uding	the in	terface	e, navi	gation,	draw	$\frac{1}{100}$ ing too	ols, $3\overline{I}$	$D \mod e$	lling	CO)-1
with too	ols - F comp	Push/F onent	Pull, se s. lav	electing ers. n	g and nateri:	editin als. a	g obje nd di	cts, an mensic	d orga ons. S	nizing lcene	your mana	work u gement	using for	BTI	L -3
5-0"Pb,	- omp		_, iuy	, 1		, u	ul								

presentation	ons, exploration of extensions and plugins, rendering, and efficient exporting and			
importing.				
MODUL	E 2: 3D MAX (3D)	(3L+12P=15)		
User inter pan, zoom splines, at techniques features - scenes and	face - Ttoolbars, menus, and the main viewport. Mastering navigation tools - a, and orbit. Create 3D models using fundamental tools like shapes, lines, and and then transform them into complex objects by extrusion and modelling s. Tools - Move, Rotate, and Scale facilitating precise adjustments. Advanced modifiers, materials, lighting, animation, and rendering to create stunning 3D animations.	gation tools - es, lines, and nd modellingCO-2 BTL-3ss. AdvancedBTL-3		
MODUL	E 3: REVIT (2D & 3D)	(3L+12P=15)		
User inter placement drawing a plans, elev tags, famil	face - Ribbon, properties palette, and project browser. Creating 3D models - of walls, floors, roofs, and other architectural elements, utilizing precise nd dimensioning tools. Learning to manage views and sheets, including floor rations, and sections, is essential for documenting a project. Exploring schedules, lies, rendering.	CO-3 BTL-3		
MODUL	E 4: SOLID MODELING (TRANSFORMING SPACES)			
(3L+12P=	:15)			
Creating s nodes and Rhino mod	surfaces, solids, and curves. Grasshopper - Basic parametric design. Connect components in Grasshopper to control and automate various aspects of your del, allowing for dynamic and responsive designs.	CO-4 BTL-3		
MODUL	E 5: RENDERING & PRESENTATION TECHNIQUES			
((3L+12P	=15)			
Rendering	g and presentation. Printing and plotting.(V ray, In design, Illustrator, Lumion)	CO-5 BTL-3		
Rendering TEXT BO	g and presentation. Printing and plotting.(V ray, In design, Illustrator, Lumion) OKS	CO-5 BTL-3		
Rendering TEXT BO 1.	g and presentation. Printing and plotting.(V ray, In design, Illustrator, Lumion) OKS "SketchUp to Layout" by Matt Donley: This book provides a comprehensive SketchUp for architectural and interior design, and it covers the integration of LayOut for documentation.	CO-5 BTL-3 guide to using SketchUp with		
Rendering TEXT BC 1. 2.	g and presentation. Printing and plotting.(V ray, In design, Illustrator, Lumion) OKS "SketchUp to Layout" by Matt Donley: This book provides a comprehensive SketchUp for architectural and interior design, and it covers the integration of LayOut for documentation. "Mastering Autodesk Revit 2023" by Lance Kirby, Eddy Krygiel, and Mar comprehensive guide covers the basics and advanced features of Autodesk R suitable for both beginners and experienced users.	CO-5 BTL-3 guide to using SketchUp with rcus Kim: This evit, making it		
Rendering TEXT BO 1. 2. 3.	 and presentation. Printing and plotting.(V ray, In design, Illustrator, Lumion) OKS "SketchUp to Layout" by Matt Donley: This book provides a comprehensive SketchUp for architectural and interior design, and it covers the integration of LayOut for documentation. "Mastering Autodesk Revit 2023" by Lance Kirby, Eddy Krygiel, and Mar comprehensive guide covers the basics and advanced features of Autodesk R suitable for both beginners and experienced users. "3ds Max 2023 For Beginners: A Tutorial Approach" by Prof. Sham Tickoo: beginners, this book offers step-by-step tutorials for learning 3ds Max. 	CO-5 BTL-3 guide to using SketchUp with rcus Kim: This evit, making it Geared toward		
Rendering TEXT BO 1. 2. 3. 4.	g and presentation. Printing and plotting.(V ray, In design, Illustrator, Lumion) OKS "SketchUp to Layout" by Matt Donley: This book provides a comprehensive SketchUp for architectural and interior design, and it covers the integration of LayOut for documentation. "Mastering Autodesk Revit 2023" by Lance Kirby, Eddy Krygiel, and Mar comprehensive guide covers the basics and advanced features of Autodesk R suitable for both beginners and experienced users. "3ds Max 2023 For Beginners: A Tutorial Approach" by Prof. Sham Tickoo: beginners, this book offers step-by-step tutorials for learning 3ds Max. "Designing Parametric Furniture with Grasshopper" by Arturo Tedeschi: dedicated to using Grasshopper for parametric furniture design, and it's a valual those interested in this domain.	CO-5 BTL-3 guide to using SketchUp with rcus Kim: This tevit, making it Geared toward This book is ble resource for		
Rendering TEXT BO 1. 2. 3. 4. REFERE	and presentation. Printing and plotting.(V ray, In design, Illustrator, Lumion) OKS "SketchUp to Layout" by Matt Donley: This book provides a comprehensive SketchUp for architectural and interior design, and it covers the integration of LayOut for documentation. "Mastering Autodesk Revit 2023" by Lance Kirby, Eddy Krygiel, and Mar comprehensive guide covers the basics and advanced features of Autodesk R suitable for both beginners and experienced users. "3ds Max 2023 For Beginners: A Tutorial Approach" by Prof. Sham Tickoo: beginners, this book offers step-by-step tutorials for learning 3ds Max. "Designing Parametric Furniture with Grasshopper" by Arturo Tedeschi: dedicated to using Grasshopper for parametric furniture design, and it's a valual those interested in this domain. NCE BOOKS	CO-5 BTL-3 guide to using SketchUp with rcus Kim: This evit, making it Geared toward This book is ble resource for		
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Rendering TEXT BO 1. 2. 3. 4. REFEREN 1.	 and presentation. Printing and plotting.(V ray, In design, Illustrator, Lumion) OKS "SketchUp to Layout" by Matt Donley: This book provides a comprehensive SketchUp for architectural and interior design, and it covers the integration of LayOut for documentation. "Mastering Autodesk Revit 2023" by Lance Kirby, Eddy Krygiel, and Mar comprehensive guide covers the basics and advanced features of Autodesk R suitable for both beginners and experienced users. "3ds Max 2023 For Beginners: A Tutorial Approach" by Prof. Sham Tickoo: beginners, this book offers step-by-step tutorials for learning 3ds Max. "Designing Parametric Furniture with Grasshopper" by Arturo Tedeschi: dedicated to using Grasshopper for parametric furniture design, and it's a valual those interested in this domain. NCE BOOKS "SketchUp: A Design Guide for Woodworkers" by Joe Zeh: This book is a guide for woodworkers and provides a detailed reference for using SketchUp in	CO-5 BTL-3 guide to using SketchUp with rcus Kim: This tevit, making it Geared toward This book is ble resource for comprehensive h woodworking		
Rendering TEXT BO 1. 2. 3. 4. REFERE 1.	g and presentation. Printing and plotting.(V ray, In design, Illustrator, Lumion) OKS "SketchUp to Layout" by Matt Donley: This book provides a comprehensive SketchUp for architectural and interior design, and it covers the integration of LayOut for documentation. "Mastering Autodesk Revit 2023" by Lance Kirby, Eddy Krygiel, and Mar comprehensive guide covers the basics and advanced features of Autodesk R suitable for both beginners and experienced users. "3ds Max 2023 For Beginners: A Tutorial Approach" by Prof. Sham Tickoo: beginners, this book offers step-by-step tutorials for learning 3ds Max. "Designing Parametric Furniture with Grasshopper" by Arturo Tedeschi: dedicated to using Grasshopper for parametric furniture design, and it's a valual those interested in this domain. NCE BOOKS "SketchUp: A Design Guide for Woodworkers" by Joe Zeh: This book is a guide for woodworkers and provides a detailed reference for using SketchUp in projects.	CO-5 BTL-3 guide to using SketchUp with rcus Kim: This tevit, making it Geared toward This book is ble resource for comprehensive n woodworking		
Rendering TEXT BO 1. 2. 3. 4. REFERE	g and presentation. Printing and plotting.(V ray, In design, Illustrator, Lumion) OKS "SketchUp to Layout" by Matt Donley: This book provides a comprehensive SketchUp for architectural and interior design, and it covers the integration of LayOut for documentation. "Mastering Autodesk Revit 2023" by Lance Kirby, Eddy Krygiel, and Mar comprehensive guide covers the basics and advanced features of Autodesk R suitable for both beginners and experienced users. "3ds Max 2023 For Beginners: A Tutorial Approach" by Prof. Sham Tickoo: beginners, this book offers step-by-step tutorials for learning 3ds Max. "Designing Parametric Furniture with Grasshopper" by Arturo Tedeschi: dedicated to using Grasshopper for parametric furniture design, and it's a valual those interested in this domain. NCE BOOKS "SketchUp: A Design Guide for Woodworkers" by Joe Zeh: This book is a guide for woodworkers and provides a detailed reference for using SketchUp in projects. "Revit Architecture 2023" by Eric Wing: This book, focused on architectural approach.	CO-5 BTL-3 guide to using SketchUp with rcus Kim: This tevit, making it Geared toward This book is ble resource for comprehensive n woodworking		

2	"3ds Max 2023: A Comprehensive Guide" by Prof. Sham Tickoo: An extensive reference guide
3.	covering various aspects of 3ds Max, from modeling to rendering.
MOOC	
1.	https://www.coursera.org/learn/autodesk-revit-architectural-design?query=Revit
2.	https://www.coursera.org/projects/explore-sketchup?

COURSE TITLE	INT (I	ERIOR SERVI NTERMEDIAT	CREDITS	2	
COURSE CODE	SID21021	COURSE CATEGOR Y	BS	L-T-P-S	2-0-0-1

	Versio	n		1.)	A	pprov Details	val s	24.	02.202	24	LEAF LE	RNING VEL		BTL-	3
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(De	Course script	e ion	In con sys	this condition this condition the stem, a	ourse, s ning sy and oth	studen stem, er saf	ts will fire sate ty and	l stud afety d secu	y abou and pr urity sy	t servi otectio ystem	ces lik on syst in mul	te heat tems, v ti- stor	ing, vent vertical tr ried build	ilatior anspo lings.	n and ai rtation	r
Course Objective1. To understand heating, ventilation and air conditioning systems.2. To obtain the basics concept of firefighting systems and provision of fin and protection systems in NBC.3. To understand the importance of vertical transportation systems in mult buildings and to understand the arrangement of the service core.4. To obtain basic knowledge on the various safety and security systems.5. To understand various building automation and energy management systemUpon completion of this course, the students will be able to 1. Familiarize with the heating, ventilation and air conditioning systems.2. Familiarize with various firefighting safety and protection systems and p of									of fire multi-s ns. t system ns. and pro	safety storied ns. ovision						
Course Outcome 3. Explain the importance of vertical transportation systems placement of ser core in multi-storied buildings. 4. Familiarize with the behavior of various safety and security systems. 5. Familiarize with various building automation and energy management system Prerequisites:										ems.						
		F		-		F		-						Р	PS	DC
СО	Р О- 1	Р О- 2	Р О- З	P 0- 4	РО -5	Р О- 6	Р О- 7	Р О- 8	Р О- 9	Р О- 10	PO -11	P 0- 12	PSO- 1	S O- 2	0	PS 0 - 4
CO- 1	3	2	2	-	1	2	2	3	1	2	-	3	1	1	-	1
CO- 2	3	2	2	-	1	2	2	3	1	2	-	3	1	1	-	1
CO-	1	2	2	-	1	3	2	3	1	2		3	1	1	-	1

3	1	2	2	-	1	3	2	3	1	2	-	3	1
CO- 4	1	2	2	-	1	2	2	3	1	2	-	3	1
CO- 5	1	2	2	-	1	2	2	3	1	2	-	3	1
			1: W	eakly	relate	ed, 2: 1	Mode	rately	relate	ed and	1 3: St	rongly	y related
MOD	ULE 1	l: HV	AC										

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(2L+10P=12)

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Heating Ventilation & Air Conditioning (HVAC) systems: Mechanic mechanical inlet and extraction systems. Air conditioning, Fu conditioning, Principles of AC, capacity of AC, Types of AC systems split, duct, central AC and their details. Air distribution systems– duct	al ventilation – nctions of air – window AC, s, air inlets.	CO-1 BTL-4						
MODULE 2: FIRE SAFETY		(2L+10P=12)						
Fire – causes and spread of fire. Passive and active methods for fire considerations for fire safety, Devices for firefighting – portable, be system, dry riser system, sprinkler system, fire hydrant. Class of fire and travel distances, study of fire regulations as per NBC.	safety: Design tilt in wet riser and occupancy	CO-2 BTL-4						
MODULE 3: VERTICAL TRANSPORT		(2L+10P=12)						
Introduction – Types of vertical transportation systems: staircases, lift travelators - Vertical & horizontal, definition, location of service con- structure, traffic analysis, peak hour factor, supervisory control, remote	s, escalators and re, arrangement, monitoring.	CO-3 BTL-4						
MODULE 4: SAFETY AND SECURITY		(2L+10P=12)						
Security and safety systems – introduction, types of security system – CCTV, central alarm systems, intrusion sensors and space sensors. Other TV, PABX, computer labs – Access flooring, server rooms.	CO-4 BTL-4							
MODULE 5: BUILDING AUTOMATION AND ENERGY MANA	GEMENT (2	2L+10P=12)						
Building automation and energy management – Introduction, History of development of BAS, typical BAS, criteria for choosing the right BAS, open system architecture. Information technology, communications & artificial intelligence in intelligent buildings. Design in computer age, engineering intelligence through nature.								
TEXT BOOKS								
1.Rangwala, S.C. water supply and Sanitary Engineering: Enviro Charotar pub house, Anand, 2004.	nmental Engineerii	ng, 19th ed,						
2 Electrical wiring and contracting (vol. 1 to vol.4), London. The	New era Publishin	ng Company						
3 DrFrithAbnwos and others, Electrical Engineering hand book.								
REFERENCE BOOKS	'1 1' NT X7 1							
2 Derek Clements-Croome, Derek J. Croome, Intelligent building Operation, Thomas Telford Books, London, 2004.	gs: Design, Manage	ement and						
3 Albert Ting-pat So, Wai Lok Chan, Intelligent Building System 2009.	ns, Kluwer Academ	nic Publishers,						
E-BOOKS								
1. Building Systems for Interior Designers Third Edition By Corky Binggeli A.S.I.D. https://thearchiblog.files.wordpress.com/2011/02/architecture-ebook-building-systems-for-interior- designers.pdf								
2. National building code of India 2016.								
<u>https://archive.org/details/nationalbuildingU1/in.gov.nbc.2016.vol1.digital/</u> 3. Time saver standards for building types 2 nd Edition by Joseph De Chiara and John Callender								
https://archive.org/details/TimeSaverStandardsForBuildingTypes		Sidor.						

COURSE	INTEDIOD DESIGN STUDIO II	CREDIT	6
TITLE	INTERIOR DESIGN STUDIO II	S	U

COURSE CODE	SID21403	COURSE CATEGORY	РС	L-T-P-S	0-0-10-2					
Version	1.0	Approval Details	24.02.2024	LEARNI NG LEVEL	BTL-3					
ASSESSMENT	SCHEME									
Continuous Assessment - 1	ContinuousContinuousContinuousAssessment - 1Assessment - IIAssessment III									
20%	20%	10%		50%						
Course Description	In this course, students will design an interior space using tools and software.									
Course Objective	 To understand sp enhance the knowle To understand sp 	paces in urban contex edge towards modern atial design with resp	t and be able to cre ity. ect to different eras	ate concepts t s.	hat will					
Course Outcome	Upon completion of this course, the students will be able to 1. Familiarize with spaces in urban context and be able to create concepts that will enhance the knowledge towards modernity. 2. Familiarize with the solid modelling techniques in the software, rendering and presentation techniques for a drawing.									
Prerequisites:										

CO, PO AND PSO MAPPING											
CO	PO	PO	PO	РО	РО	PO					

CO	PO	PO	PO	PSO	PSO	PSO									
CO	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-1	-2	-3
CO-1	2	2	2	1	1	2	2	3	1	2	1	3	1	1	1
CO-2	2	1	2	2	1	2	2	3	1	2	1	3	1	1	1
CO-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1: Weakly related, 2: Moderately related and 3: Strongly related

primary focus should be on –	
• Documenting space (sketch and photo documentation)	CO-1
• Space planning process (block diagram, concept statement)	
Concept sketching	BIL-0
Application of design principles and elements	

 Design Process/methodology Structural integration Style Colour Rendering Anthropometry and ergonomics Furniture Design Material selection Graphic design (page layout and composition) 												
 Structural integration Style Colour Rendering Anthropometry and ergonomics Furniture Design Material selection Graphic design (page layout and composition) 												
 Style Colour Rendering Anthropometry and ergonomics Furniture Design Material selection Graphic design (page layout and composition) 												
 Colour Rendering Anthropometry and ergonomics Furniture Design Material selection Graphic design (page layout and composition) 												
 Anthropometry and ergonomics Furniture Design Material selection Graphic design (page layout and composition) 												
 Furniture Design Material selection Graphic design (page layout and composition) 												
 Material selection Graphic design (page layout and composition) 												
 Material selection Graphic design (page layout and composition) 												
Graphic design (page layout and composition)												
 Portfolio development 												
Design portfolio to include designs in response to today's situation of urban society, i.e.,												
contemporary spaces required in modern society – needs, realities, value system etc The												
spaces to be considered shall be: home, office, bank, school, college, public level spaces -												
restaurant, lounge (hotel),etc.												
The list of suggested topics to be covered as design problems:												
• Thematic space making with Art and craft forms of our own culture in India – East, West, North, Central and so on and												
• Design of built units of various geographical locations and culture by involving												
historical periods, styles and use of craft in its inherent quality and form -												
integrating craft and living environment.												
Note: At least two major exercises and three minor time problems should be given. Internal												
marking shall be done in stages and project wise:												
• Schematic layouts												
• Final layout												
• Sectional elevations												
Designs & details												
	1 1											
1 Maureen Mitton, Interior Design Visual Presentation: A Guide to Graphics, Mode	Is, and											
Presentation Techniques. John Wiley and Sons, 2003												
2 Francis.D. Ching& Corky Bingelli, Interior Design Illustrared, 2nd edition,	Wiley											
publishers, 2004.												
Joseph D Chiara, Julius Panero, & Martin Zelnick, Time Saver standards for I	nterior											
Design & space planning, 2nd edition, Mc-Graw Hill professional, 2001.												
REFERENCE BOOKS												
1 Neufert Ernest, Architect's Data, Granada pub. Ltd. London, 2000.												
2 John F. Pile, A history of interior design, Laurence King Publishing, 2005.												
3 Robert Rengel, Shaping Interior Space, Fairchild Books & Visuals ,2002												

SEMESTER V

COURSE	SUSTAINABLE DESIGN	CREDITS	3
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TIT	LE															
COL CO	URSE DE		SID	21022		C CA	OURS FEGO	SE ORY		PC		L-T-I	P-S	3-0-	0-0	
Ver	Version			2.0		A] I	pprov Details	al ;	24.	.02.202	24	LEAR G LEV	NIN VEL	BTI	L -3	
ASSES	SMEN	NT SC	HEM	E												
Fi Perio Asses	rst dical sment		SecondSeminar/PeriodicalAssignments/AssessmentProject									Attend	ance	ES	5E	
15	5%		1	5%			10%			5%		5%	•	50	%	
Cor Descr	urse iption	This course introduces students to the principles and practices of sustainable design in interior design. It explores the integration of environmental, social, and economic considerations to create interior spaces that are both aesthetically pleasing and environmentally responsible. Through a combination of theoretical knowledge and hands-on projects, students will learn to make informed decisions, select sustainable materials, and implement eco-friendly design solutions.														
Course Objecti	ve	 To ensure that the students learn about the introduction to the concept of sustainability To familiarize students with the concepts and calculations of Green Interiors To ensure that the students learn about the different principles of sustainable design To familiarize students with the benefits of using green material finishes To ensure that the students learn about the Indoor environmental quality and rating system. 												ept of design rating		
CourseUpon completion of this course, the studer0utcome1. Illustrate the impact of buildings on envin artificial lighting2. Identify the role of human capital and3. Understand the use of principles of s applications4. Explore the energy conservation tech benefits of green interiors5. To know the various methods used t										the students will be able to - ings on environment Identify the roles of lighting system apital and interiors in indoor environment. ciples of sustainable design in interiors using real time vation techniques in interiors and to understand the ods used to enhance the thermal comfort, lighting and						
Prerequ	isites:															
CO, PC) AND	PSO	MAP	PING												
СО	PO -1	P O- 2	P O- 3	P O- 4	P O- 5	P O- 6	P O- 7	P O- 8	P O- 9	PO -10	Р О- 11	PO -12	PS 0-1	PS 0-2	PS O-3	
CO-1	3	2	2	1	1	1	1	1	3	3	1	2	1	3	2	
CO-2	3	3	1	1	1	1	1	1	3	3	1	2	3	3	1	
CO-3	2	3	1	1	1	1	1	1	3	3	1	3	2	2	1	
CO-4	3	3	1	1	1	1	1	1	3	3	1	2	2	2	1	
CO-5	2	3	1	1	1	1	1	1	3	3	1	2	1	3	1	

1: Weakly related, 2: Moderately related and 3: Strongly related										
MODULE 1: I	NTRODUCTION TO SUSTAINABILITY IN INTERIORS	(9L+0P=9)								
Concept of Sustantial resources on people and er and occupants in	CO-1 BTL-2									
MODULE 2:	PRINCIPLES OF SUSTAINABLE DESIGN	(9L+0P=9)								
Environmental Responsibility, Energy Efficiency, Indoor Air Quality, Water Efficiency, Water Efficiency, Waste Reduction, Adaptive Reuse and Upcycling, Sustainable Sourcing, Biophilic Design-Incorporate nature: Integrate natural elements like plants, natural light, and organic patterns to enhance occupant well-being and connection to the environment. Eco-mimicry/Bio mimicry as a design tool.										
MODULE 3: SU	USTAINABLE MATERIALS, FINISHES AND FIXTURES (9L	+0 P=9)								
Evaluation of ma – its concepts an Design process a	aterials –Embodied energy and operational energy, Life cycle assessment, and calculation – Energy efficient lighting fixtures, water saving fixtures– and case studies with material board.	CO-3 BTL-3								
MODULE 4: D QUALITY (DAYLIGHTING, THERMAL COMFORT AND INDOOR ENVIRONM (9L+0P=9)	MENTAL								
Daylighting, energy efficient lighting, : Fenestration, lighting level and glare, amount of light, sky as a source of light and daylight factor HVAC design, Thermal Comfort in the interior environment with case studies from various climatic zones.CO-4 BTL-2										
MODULE 5: ENERGY EFFICIENCY AND RATING SYSTEMS FOR INTERIORS (9L+0P=9)										
Building energy conserving oppo various internati (Japan), LEED (LEED India ratio	v use, Parameters affecting energy consumption in buildings, Energy ortunities in interiors, Building automation and control, Green interiors and onal and national rating systems for sustainability- EAM (UK), CASBEE US), Green Star (Australia), etc. – Indian systems – TERI GRIHA rating, ng, IGBC WELL being standard, BEE star rated of equipment and fittings.	CO-5 BTL-2								
TEXT BOOKS										
1.	Susan M. Winchip. Sustainable Design for Interior Environments. 2nd F Edition – 10, 2011	Revised edition								
2.	David Bergman, Sustainable Design, Princeton, 2012									
REFERENCE	BOOKS									
1	Corky Binggeli. Materials for Interior Environments. Wiley. 2013									
2	Alastair Fuad-Luke , Ecodesign: The Sourcebook. Publisher, Chronicle Bo	ooks, 2002								
E BOOKS										
1.	http://ndl.ethernet.edu.et/bitstream/123456789/34378/1/114.pdf									
2.	archive.org/details/ecodesignsourceb0000fuad									
MOOC										
1.	https://www.coursera.org/learn/sdgbusiness									

COURSE TITLE	LIGHTING IN	AND ACOUSTI NTERIORS	CREDITS	3	
COURSE CODE	SID21024	COURSE	PC	L-T-P-S	3-0-0-1

		CATEGORY			
Version	2.0	Approval Details	24.02.2024	LEARNIN G LEVEL	BTL-3

ASSESSMENT SCHEME

1st Periodical Assessment	2nd Periodical Assessment	Portfolio Assessment	ESE									
15%	15%	20%	50%									
Course Description	In this course, the designing the Interior their application in t	students will learn about the or spaces and the different types he residential, commercial, and	various types of lights available in of materials used for acoustics with Office Interiors.									
Course Objective	 To ensure that their effect o To familiarize market which To familiarize To familiarize To ensure the materials and 	 To ensure that the students learn about the importance of day lighting in interiors, their effect on end-users To familiarize students with different types of artificial lights available in the market which will be apt in their design To familiarize with the type of fixtures and its positions in plan To ensure that the student's study about the different types of sound insulating materials and their methods of insulation 										
Course Outcome	 Upon completion of 1. Illustrate the qua 2. Identify the role 3. Prepare lighting 4. Identify the qual 5. Illustrate the quad 	 materials and their methods of insulation Upon completion of this course, the students will be able to - 1. Illustrate the qualities of natural light 2. Identify the roles of lighting system in artificial lighting 3. Prepare lighting layouts, specify light, different type of applications 4. Identify the qualities of sound and its behavior in different context 5. Illustrate the quality of sound insulation materials and their application in interiors. 										

Prerequisites:

CO, PO AND PSO MAPPING

CO	P O -1	P O- 2	Р О- 3	Р О- 4	Р О- 5	P O- 6	Р О- 7	P O- 8	Р О- 9	P O - 10	Р О- 11	PS O-1	PSO -2	P S O -3	PS O -4	PSO -5
CO- 1	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-
CO- 2	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-
CO- 3	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-
CO- 4	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-
CO- 5	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-

1: Weakly related, 2: Moderately related and 3: Strongly related

MODULE 1 – INTRODUCTION TO LIGHTING

(6L+6P=12)

CO-1 BTL-3

Introduction to day lighting and artificial lighting, Properties of light, Visual task									
requirements, Units of Light, Standards of Lighting and Visual comfort. The sky as a									
source of light, Daylight factor, Room proportions and other building elements,									
Daylight penetration, Calculation of daylight factor different spaces									

MODU	ULE 2: ARTIFICIAL LIGHTING -	(6L+6P=12)		
Genera method Direct, of Lan Mercur Market	al terminologies- Luminance, Illuminance, Lumen. Lighting calculation-Lumen d, technological application in lighting calculation, General lighting system – Indirect, diffused, Task, Accent, ambient, mood - Types of light fixture- Variety nps - Incandescent lamps - Tungsten Halogen lamps - Fluorescent lamps - ry lamps - sodium vapor lamps - Emergency lighting - Lighting Accessories – t study on lighting systems – types, fixtures and applications with case studies	CO-2 BTL-3		
MODU	ULE 3: LIGHTING DESIGN	(3L+9P=12)		
Artific type of points- plannin	ial lighting and its design aspects: Parameters considered for lighting design, Flighting system, fixtures. Lighting Design – Lighting Plan- Position of lighting fixtures used, control points for residential, commercial and office interiors ing and design.	CO-3 BTL-3.4		
MODU	ULE 4: ACOUSTICS	(6L+6P=12)		
Sound, Acoust absorp Calcula	Nature of sound. Behavior of sound in enclosed spaces. Concept of Geometric cics. Reflection of sound and their applications. Absorption of sound. Sound tion coefficient. Properties of sound Reverberation & Reverberation Time ation.	CO-4 BTL-3.4		
MODU	ULE 5: SOUND INSULATING MATERIALS	(3L+9P=12)		
Sound Helmh Space Materia unwan Audito	absorbing materials - porous materials, Panel / Membrane absorbers & Cavity / oltz Resonators. Absorption coefficients of indigenous acoustical materials. / Functional absorbers. Mounting conditions and its impact on sound absorption. als used for sound insulation, Different methods of reduction & insulation of ted sound, etc. Design Principles of Auditorium, Electro- Acoustics & Open-Air rium, Air& Structure Borne Sound Propagation Environmental Acoustics	r/ s. n. CO-5 of BTL-3.4 ir		
TEXI	BOOKS			
1	Benjamin Evans, "Daylight in Architecture", McGraw-Hill Book Company, N	Jewyork,		
2	Pritchard, D.C., "Lighting", Longman Scientific & Technical, Harlow.			
3	Medan Mehta.James Johnson, Jorge Rocafort, "Architectural Acoustics: Princip Prentice-Hall, New York,1998	les and Design",		
REFE	CRENCE BOOKS			
1	William J. Cavanaugh, Gregory C. Tocci, Joseph A. Wilkes, Architectural Acou and Practice, 2nd Edition, Wiley, New York, 2009.	stics: Principles		
2	Marshall Long, "Architectural Acoustics", Second Edition, Academic Press, Wa	altham, USA,2014		
E-BOO	DKS			
MOO	C			
1	https://www.mooc-list.com/tags/light			

2	2 https://www.mooc-list.com/tags/acoustics																
COUR	RSE T	ITLE			ADV	ANCI	ED IN	TER	IOR	SERV	ICES	CRE	DITS		3		
COU	RSE (CODE		SID	21025	5	CO CAT	DURS TEGO	SE ORY]	BS	L-'	Г-P-S	3-0-0-0			
V	Versio	n		2	2.0		Approval Details24.02.2024LEARNIN G LEVEL							BTL-3			
ASSESSMENT SCHEME																	
1st 1 Ass	st Periodical Assessment2nd Periodical AssessmentPortfolio AssessmentESE																
	15%	b 15% 20% 50%															
(De	Course DescriptionIn this course students will learn about the services in High rise residential, commercial and civic buildings. The services used for building a swimming pool and the site services are also explained in this course.																
0	Cours bjecti	e ve		1. 1 h 2. T fi 3. T 4. T 5. T c	o ensu igh-ris o fam com th o ensu o fam onstru o ensu onstru	are that se apar iliariz at of a are that iliariz ction are that ction	It the s rtment e stud resid t the s e stud of a sy t the s site.	studen t. ents v ential studen ents v vimm studen	vith th build tts lease vith th ing poone	rn abo e extra ing. rn abo e diffe ool rn abo	ut the a servi ut the erent ty ut the	basics of ces nee service ypes of service	of the ser eded in a s in a Ci services s related	rvices comm vic Bu neede to bui	needeo nercial uilding ed in th ilding	l in a building e	•
construction site. Upon completion of this course, the students will be able to - 1. To understand about services in residential high-rise building and complexes. 2. To explain about services in commercial high-rise building. 3. To understand functioning of service in civic building types like shopping matheatres, auditoriums etc. 4. To explore the functioning of service aspects of swimming pools and its influence on design 5. To understand about services in site planning, drainage etc.												lexes. ng malls s	,				
Prerec	quisite	es:															
CO, F	PO AN	ID PS	O MA	APPI	NG												
CO	P O -1	Р О- 2	Р О- 3	Р О- 4	Р О- 5	P O- 6	Р О- 7	P O- 8	P O- 9	P O - 10	Р О- 11	PS 0-1	PSO -2	P S O -3	PS 0 -4	PSO -5	
1 CO-	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-	

-

CO-1

CO- 2	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-			
CO- 3	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-			
CO- 4	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-			
CO- 5	2	-	1	-	2	1	1	1	1	-	-	1	3	-	-	-			
			1: V	Veakl	ly rela	ted, 2	: Mod	lerate	ely rel	ated a	and 3:	Strong	gly relate	ed		·			
MOD	ULE	1 – IN	TRO	DUC"	TION										(3L+	9P=12)			
Introdu lighting installa intermo	iction g and itions, ediate	to ser natura acou), wate	vices i al vent ustics, er sup	in Hig tilation sour ply, ga	th rise n servi nd ins as sup	buildi ces, 1 sulatio ply, F	ng, Re necha n an ire sa	esiden inical d no fety.	tial hi ventil ise co	gh rise ation, ontrol,	e: serv electi , (alre	ices, an rical an eady d	nenities d allied one in	CO-1 BTL-3					
MODU	MODULE 2 :COMMERCIAL BUILDING														(3L+9	P=12)			
High r ventila acousti Storm	High rise office building, services, basement parking, ramps, lighting and natural ventilation, mechanical ventilation, electrical and allied installations, air conditioning, acoustics, sound insulation and noise control, water supply and sewage treatment, Storm water and Rainwater collection, Water recycling														CO BTI	-2 2-3			
MODULE – 3 CIVIC BUILDING														1	(3L+9	P=12)			
Shoppi mechan and not	Shopping mall theatres, auditoriums, sports halls, lighting and natural ventilation, mechanical ventilation, electrical and allied installations, acoustics, sound insulation and noise control, water supply, Fire safety and access controls.														CO-3 BTL-3				
MODU	U LE 4	l: SW	IMM	ING I	POOL	S								(3L+9P=12)					
Types sizes, c walkwa and bat	of sw lesign ay and throor	vimmin of sv d deck n, wat	ng poo vimmi areas er trea	ol, tun ing po , starti atmen	rnover ool, ma ing pla t syste	rate, aterial, tform m.	swim , flooi s, elec	ming slope trical	pool es, tra instal	user lonsition Insitions	oad, d n poin s, vent	imensio t, water ilation,	ons and r depth, shower	CO-4 BTL-3					
MODU	ULE 5	5: SIT	'E SE	RVIC	ES										(3L+9	P=12)			
Service collect water of technic	e deta ion, la lraina jues, r	iling f indsca ge, sev nethoo	for art pe site wage o ds of r	tificial e plan dispos echar	l wate ning, al syst ging g	r bodi landsc tem, R round	es, dr ape o ain w water	ainag pen sj ater h c, cons	e, stor paces, arvest structio	rm wa child ing:- l on det	ter po ren pla Rainw ails.	nd, rain ay areas ater har	n water s, storm rvesting		CO BTI	-5 ,-3			
TEXT	BOO	KS																	
1	S.K	Garg V	Water	Supp	ly Eng	ineeri	ng, Er	nviron	menta	ıl Eng	ineerir	ng (Vol	ume 1).						
2	Dr.	B.C P	unmia	1 Build	ding C	onstru	ction	•											
 Duggal, K. N., Elements of Environmental Engineering, S Chand and Co. Ltd., N Delhi,2008. 													, New						
REFE	RENG	CE BO	OOKS	5															

1	Wise, A.F.E. and Swaffield, J.A., "Water Sanitary Services for Buildings", Longman Scientific
	and Technical, Harlow.
	Greeno, Roger, "Building Services Technology and Design", Longman Scientific and Technical,
2	Harlow.
E-BOO	OKS
1 T	
1. I im	e saver standards for building types 2 nd Edition by Joseph De Chiara and John Callender.
https://	archive.org/details/TimeSaverStandardsForBuildingTypes
2. Buil	ding Services Handbook Fourth edition by Fred Hall and Roger Greeno.
https://	/saajansharma.files.wordpress.com/2013/03/building-services-handbook.pdf
3. Nati	onal building code of India 2016.
https://	/archive.org/details/nationalbuilding01/in.gov.nbc.2016.vol1.digital/
MOO	С
1	https://www.mooc-list.com/tags/water-supply
2	https://www.mooc-list.com/tags/sanitation-policy

COU	RSE			INT	ERI	OR DE		CREDITS			4					
COL	JRSE DE		SID	21404		C CA	OUR	SE DRY		BS		L-1	L-T-P-S		-8-1	
Ver	sion		2	2.0		Appr	oval I	Details	24	1.02.20	024	LEA LE	RNING VEL	G BTL-3		
ASSESSMENT SCHEME																
Continuous Assessment - 1Continuous Assessment - IIContinuous Assessment IIISummative Assessment																
20	%		2	0%			10%					50%	0			
Course Descrip	tion	Ir	In this course, students will design an interior space using tools and software.													
Course Objecti	ive	1. ei 2.	 To understand spaces in urban context and be able to create concepts that will enhance the knowledge towards modernity. To understand spatial design with respect to different eras. 													
Course Outcon	e ne	Upon completion of this course, the students will be able to1. Familiarize with spaces in urban context and be able to create concepts that willenhance the knowledge towards modernity.2. Familiarize with the solid modelling techniques in the software, rendering andpresentation techniques for a drawing.														
Prerequ	uisites:	:														
CO, PO) AND) PSO	MAP	PING												
со	PO -1	P O- 2	P 0- 3	P O- 4	P O- 5	P O- 6	P O- 7	PO- 8	P O- 9	PO -10	P O- 11	PO -12	PS O-1	PS O-2	PSO 3	
CO-1	2	2	2	1	1	2	2	3	1	2	1	3	1	1	1	

1	Maureen Mitton, Interior Design Visual Presentation: A Guide to Graphics, Models, and							
1	Presentation Techniques. John Wiley and Sons, 2003							
n	Francis.D. Ching& Corky Bingelli, Interior Design Illustrared, 2nd edition, Wiley							
2	publishers, 2004.							
3	Joseph D Chiara, Julius Panero, & Martin Zelnick, Time Saver standards for Interior							
C	Design & space planning, 2nd edition, Mc-Graw Hill professional, 2001.							
REFERENCE BOOKS								
REFERENCE	BOOKS							
REFERENCE	BOOKS Neufert Ernest, Architect's Data, Granada pub. Ltd. London, 2000.							
REFERENCE 1 2	BOOKS Neufert Ernest, Architect's Data, Granada pub. Ltd. London, 2000. John F. Pile, A history of interior design, Laurence King Publishing, 2005.							

SEMESTER VI

COURSE TITLE	PROFESSIONAL	PRACTICE FOR INT	ERIOR DESIGN	CREDITS	3							
COURSE CODE	SID21026	COURSE CATEGORY	EEC	L-T-P-S	3-0-0-0							
Version	2.0	Approval Details	24.02.2024	LEARNIN G LEVEL	BTL-3							
ASSESSMENT SCHEME												
T ! (
First Periodical Assessment	Second Periodical Assessment	Seminar/ Assignments/ Projec	t Surprise Test / Quiz	Attendance	ESE							
First Periodical Assessment 15%	Second Periodical Assessment 15%	Seminar/ Assignments/ Projec 10%	t Surprise Test / Quiz 5%	Attendance	ESE 50%							

Course Object	e ive		1. T 2. T 3. T 4. T 5. T	o unde o setur o expla o expla o expla	rstand an inc ain abo ore mat ain abo	issues i lividua ut tend erials a ut volu	in profe l busine er and i and its a metric	essional pracess its applicat application estimation	actice ions i in inter in inter	riors. iors.						
Course Outcor	e ne		1. T 2. T 3. T 4. T 5. T	'o unde 'o setur 'o expla 'o expla 'o expla	rstand an inc ain abo ore mat ain abo	issues i lividua ut tend erials a ut volu	in profe l busine er and i and its a metric	essional pracess its applicat application estimation	actice ions in inter in inter	riors iors.						
Prerequisites:																
CO, PO AND PSO MAPPING																
СО	PO -1	PO -2	РО -3	PO -4	РО -5	PO -6	PO -7	PO-8	РО- 9	PO -10	PO -11	PS O-1	PS 0-2	PS 0 -3	PSO -4	PS 0 -5
CO-1	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1	3
CO-2	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1	3
CO-3	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1	3
CO-4	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1	3
CO-5	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1	3
				1: V	Veakly	v relat	ed, 2:	Moderat	ely rela	nted ar	nd 3: S	strong	ly rela	ted		
MODU	J LE 1:		INT	RODI	JCTIC	DN							(9L+0P	=9)	
Profes profess design	sional sional f ers offi	Comp ee & c ce,	onents	s of M s, - Duti	lanagi ies of e	ng Int employ	erior V yer und	Work -Of ler labour	fice m welfar	anagir e provi	ig, coc isions,	le/cond -Struc	duct -S ture of	Scale of interio	or Co BT	0-1 TL-2
MODU	LE 2:	7	PRO	FESS	IONA		ACTIO	CE	(9L+()P=9)		-		•		
Profess Profess and pro	ional b ional b cess	corresp ehavio	onder our, Etl	nce in nics an	d code	ce, Coi	ndition	ns of enga Different	igemen t styles	t -1ssu of Inte	es of p erior pr	actice.	ional p , Types	s of fee	² , C s B7	O-2 TL-2
Modu	LE 3:	SPEC		ATIO	N (9L+0	P=9)	ofensei	Figation		aifiaat	ion of	maaifi	action		0.2
specific	at speci	writin	g.	quanty	v conu	01, F11	ncipie	s of speci	lication	is, clas	sincat		specifi	cations	, C	0-5 [L-3
MODU	LE 4:	EST	, IMAT	ION A	ND B	ILLI	NG	(9L+() P=9)							
Measur design	rements	s, Billi	ing an	d Payr	nent C	Certific	ation,	Volumet	ric esti	mate c	of inter	riors fo	or com	mercia	l C BI	0-4 ïL-2
MODU	LE 5:	CO	NTRA	CT A	ND T	ENDE	R								(9L+0]	P=9)
Definiti aspects liabilitie contrac	on $\& T$ etcTy es of o et.	meanii pes o contrac	ng of of con ctor, l	tender tract, egal a	& co article spects	ntract, s of of	tende agreen	r notice, nent, exe	tender cution,	docun scope	thent, ty	pes of ontract	tende , dutio	r, legal es and	C BI	0-5 TL-2

TEXT B	OOKS										
1.	Druck Londo	er, Peter, <i>Innovation & Entrepreneurship Practices & Principles</i> , William Hernmann Ltd., n, 2018									
2	Rosha 2015	nn, Nanavati, Professional Practices Estimating & Valuation, Lakhani Book Depot, Bombay,									
REFER	ENCE I	BOOKS									
1	Laboe	aboeuf, Michael, The General Management Principles in the World. Barkley Books, New York									
2	Druck	er, Peter.F, The Effective Executive, William Hernmann Ltd., London, 1969									
E BOOK	KS										
1		https://www.yumpu.com/en/document/view/63459766/ebook-professional-practice-for-interior-									
1.		design-in-the-global-marketplace-full									
MOOC											
1.		https://utdirect.utexas.edu/apps/student/coursedocs/nlogon/download/10339375/									

COURSE TITLE	GR	REEN INTERIORS		CREDITS	3								
COURSE CODE	SID21027	COURSE CATEGORY	РС	L-T-P-S	3-0-0-0								
Version	2.0	Approval Details 24.02.2024		LEARNIN G LEVEL	BTL-3								
ASSESSMENT SCHEME													
First Periodical Assessment	Second Periodical Assessment	Seminar/ Assignments/ Project	Surprise Test / Quiz	Attendance	ESE								
15%	15%	10%	5%	5% 50%									
Course Description	Green interiors occupants have experienced a marked improvement in their health, stress levels and overall quality of life. interior design elements like improved lighting sources, thermal conditions, ergonomic features and even upgraded air quality will ensure a healthy living space												

Course Objecti	ve	1. 2. 3. 4. 5.	Deve Desi Asse Disti To e To u	elop av gn. ess the inguish valuate ndersta	varene influe green and u and the	ss and nce of mater inderst e rating	famili green rials. tand th g syste	arity w interio e role ems	ith gre r. of inte	een des erior de	ign an	d its int s.	egratio	n with I	nterior
Course Outcon	e ne		1. I I 2. A 3. I 4. T 5. T	Develo nterior Assess Disting To eval	p awa Desig the inf uish g luate a se rati	reness gn. fluence reen m nd und ng sys	and f e of gro aterial lerstan tems in	amilian een int ls. Id the r n analy	rity wi erior. ole of /sing p	interio	en des r desig s in Int	ign and gners. erior	d its in	tegration	n with
Prerequ	Prerequisites:														
CO, PO AND PSO MAPPING															
СО	РО -1	P O- 2	P O P P P P P O P P P P O P P P P O O P P P P O O P P P P O O P										PS O-1	PS O-2	PS O-3
CO-1	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1
CO-2	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1
CO-3	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1
CO-4	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1
CO-5	1	1	3 3 2 2 1 1 1 1 1 1												
		1:	Weal	kly rel	ated, 2	2: Mod	lerate	ly rela	ted ar	nd 3: S	trong	y relat	ted		
MODU	JLE 1:	INTR	ODU	CTIO	N								(9L+	- 0P=9)	
Introdu objectiv green in	ction t ves. Imp nteriors	o Gre portan . Princ	en into ce and ciples c	eriors. necess of gree	Defin sity of n inter	ition a Green iors.	and co interi	oncept ors. Br	of Gi ief his	een in tory an	teriors d deve	s, aims elopme	and ent of	CO BTI	-1 2
MODU	LE 2:	IN	DOOF	R ENV	IRON	IMEN	TAL (QUAL	ITY			(9L+0P=	=9)	
Efficien Indoor I and vis quality.	nt use Environ ual con Green	of spa nmenta mfort. indoo	ace, en al Qua Const r lands	ergy a lity lik tructio scape –	ind wa te indo nal gu - plants	nter in por air nide lin s, grou	green qualit nes fo nd cov	interi y, acou r mair vers, gi	ors. E ustic c ntainin reen pa	lement omfort g indo avers.	s asso , therr or en	ciated nal cor vironm	with nfort ental	CO BTI)-2 [2
MODU	LE 3:	GRE	EN IN	TERI	OR M	ATE	RIALS	5		(9L	+0P=9)			
Green i in const	nterior ruction	mater of the	ials an ese ma	d their terials	adapta - Case	tion – Study	Bamb	00 – CC	ork – st	tone – s	straw -	- techni	ques	CO BTI)-3 [3
MODU	LE 4:	IN	TERI	OR D	ESIGI	NERS	ROL	E			(9	L+0P=	=9)		
Interior Effects	Interior Designer's role in Green interior planning. health. Benefits of Green interiors.CO-4Effects of Green interiors on HumansBTL-2														
MODU (6)	MODULE 5: RATING SYSTEM (9L+0P=9) (6)														
Introdu	b) Introduction to building rating systems: points system, weightage, agencies and CO-5														

institutions-TER	RI GRIHA rating, IGBC in the context of Indian sub-continent. Green BTL-2
Interior design b	by Lorrie Browne – ONGC Green building at Bandra Kurla Complex.
TEXT BOOKS	
1.	Design the Home You Love - An Interior Design Book
	(by Lee Mayer and Emily Motayed)
2	MADE FOR LIVING: Collected Interiors for All Sorts of Styles
_	(by Amber Lewis and Cat Chen)
3	The Interior Design Course (by Tomris Tangaz)
5.	
REFERENCE	BOOKS
1	TIME-SAVER STANDARDS FOR INTERIOR DESIGN (by Joseph Dechiara, Julius
1	Panero and Martin Zelnik)
E BOOKS	
1.	https://www.asid.org/content/sustainable-designprinciples#.WKLWENJ97Dd
MOOC	
1.	https://ugreen.io/sustainable-interiors-course/

COURSE TITLE	MODERN & C	ONTEMPORARY DESIGN	INTERIOR	CREDITS	3								
COURSE CODE	SID21028	COURSE CATEGORY	BS	L-T-P-S	3-0-0-0								
Version	2.0	Approval Details	24.02.2024	LEARNING LEVEL	BTL-3								
ASSESSMENT	SCHEME												
First Periodical Assessment	Second Periodical Assessment	Seminar/ Assignments/ Project	Surprise Test / Quiz	Attendance	ESE								
15%	15%	10%	5%	5%	50%								
Course	Assessment110ject15%10%5%												

	PO	Р	Р	Р	Р	Р	Р	DO	Р	PO	Р	DO	DC	DS	DC
CO, PO	AND	PSO	MAP	PING											
Prerequis	sites:														
Course Outcome	•	1. 2. 3. 4. 5. co	Upor Famil Expla Famil Famili Famili ntempo	n comp iarize in the iarize iarize arize a orary i	oletion with the effecti with the with the and and nterior	of thi ne evo ve usa ne wor ne eler alyse t r desig	s cours lution, ge of t ks of f nents of he sim n.	se, the history finishes amous of conte ilaritie	studen y and i s, colo mode empor s and o	ts will influen rs and rnist de ary des differen	be abl ce on r materi esigne: sign. nces be	e to modern als. rs. etween	n interio	or style. n and	
Course Objective	e	1. 2. 3. 4. 5 int	To un To un To un To un . To un cerior d	dersta dersta dersta dersta ndersta esign.	nd the nd the nd the nd the and the	histor mater works meani simil	y of m ials an of de: ing of arities	odern i d finisl signers contem and dif	nterio nes use porary	r desig ed in m y interi ces bet	n. nodern or desi ween r	interio ign. nodern	r design and co	n. ntempo	rary

CO	PO -1	Р О- 2	P 0- 3	Р О- 4	Р О- 5	Р О- 6	Р О- 7	РО -8	Р О- 9	PO -10	Р О- 11	PO -12	PS O-1	PS O-2	PS O-3
CO-1	2	2	3	-	1	1	2	3	-	2	1	3	1	-	1
CO-2	-	-	3	2	2	1	-	-	1	2	1	2	1	1	3
CO-3	-	-	3	2	-	-	-	3	1	2	1	2	3	2	1
CO-4	-	-	3	2	2	1	2	3	1	2	1	3	1	1	1
CO-5	-	-	3	2	2	1	2	3	1	2	2	1	1	3	2

1: Weakly related, 2: Moderately related and 3: Strongly related	
MODULE 1: EVOLUTION OF MODERN INTERIOR DESIGN	(9L+0P=9)
Introduction to Modern interiors, History and influence of modern Interior design, elements	CO-1
of modern Interior.	BTL-2
MODULE 2: FURNITURE, LIGHTING & INTERIOR ACCESSORIES	(9L+0P=9)
Study of materials, Furniture, colors, textures, lighting, interior accessories, details used in	CO-2
Modern Interiors.	BTL-2
MODULE 3: WORKS OF MODERNISTS (9L	∠+0 P=9)
	CO-3

Works of Frank Lloyd Wright, Marcel Breuer, Erich Mendelson etc.CO-3
BTL-3MODULE 4: ELEMENTS OF CONTEMPORARY INTERIORS(9L+0P=9)Contemporary interiors, Evolution of contemporary Interior design, elements of
contemporary Interior.CO-4
BTL-4

MODULE 5: MODERN & CONTEMPORARY INTERIOR DESIGN (9L+	0 P=9)
Similarities and difference – modern and contemporary style, usage of planning, flooring	CO-5
and other design elements in both styles – case studies.	BTL-4

TEXT BOOKS	
1.	Dominic Bradbury (2010). Atlas of Interior design, Phaidon Press (November 17, 2021)
REFERENCE	BOOKS
1	Henry Wilson – 2007 India Contemporary, 3rd edition, Routledge
2	IAG, Interior Architecture Group (1 January 2017) Paperback
E BOOKS	
1.	https://brabbu.com/blog/2020/10/modern-contemporary-interiors-ideas-the-new-book-to-curl-up-with/
MOOC	
1.	https://www.coursera.org/specializations/modern-contemporary-art-design

COURSE TITLE	CONSERVA	TION AND RENOV	VATION	CREDITS	3							
COURSE CODE	SID21029	COURSE CATEGORY	РС	L-T-P-S	3- 0- 0- 1							
Version	2.0	Approval Details	24.02.2024 LEARNING LEVEL BTL-3									
ASSESSMENT SCHEME												
1st Periodical Assessment	2nd Periodical Assessment	Portfolio Assessment		ESE								
15%	15%	20%		50%								
Course Description	In this course, stud of spaces such as parlors, etc. which	ents will learn about Audio-visual Halls, have varied different	the renovation Stadiums, Pu iation betweer	and alteration o bs, Railway stantion of them.	f the different kinds tions, video games							

Ca Obj	ourse jective		1. 2. 3. 8 4. 5.	To er To fa To er taloons To fa To er	nsure the miliar nsure t s, pubs miliar nsure the	hat the ize the hat the s, bank ize stu hat the	e stude e stude e stude cs, etc. dents e stude	ents le ents wi ents le in ren ents le	arn ab ith the earn al ovatio arn ab	out the renov cout the on of tr out the	e renov vation on ne renov cansport e renov	vation of space ovation rtation vation	of Institu ces allotte n of Sem hubs of recrea	itional ed for i-Publ tional	l build Indoor ic spa buildi	ngs sports ces like ngs.	
Co Ou	ourse tcome	s• NII	 Upon completion of this course, the students will be able to - 1. To understand the reusability of space 2. To explore multiple activities and flexible space adaptation 3. To understand recycle and reuse of materials 4. To understand techniques in alteration and renovation in interior 5. To explore public behavior and spaces for renovation 											ors			
CO, P	CO, PO AND PSO MAPPING																
СО	P 0- 1	P O- 2	P O- 3	P P													
CO- 1	2	3	2 1 2 1 1 1 1 2 1 1 1													1	
CO- 2	2	3	2 1 2 1 1 1 2 1 1 1												3	1	
CO- 3	2	3	2	1	2	1	1	1	1	2	1	1	1	1	3	1	
CO- 4	2	3	2	1	2	1	1	1	1	2	1	1	1	1	3	1	
CO- 5	2	3	2	1	2	1	1	1	1	2	1	1	1	1	3	1	
			1: W	'eakly	relate	ed, 2: 1	Mode	rately	relat	ed and	1 3: St	rongly	y related				
MOD	ULE 1	[404000	f D an	arratia	. Noo	d for I		ation	A davas		o f uo u			(9L+	0 P=9)	
Renova Renova Library Areas of fittings	ation (ation (, smain) of Con , furni	timpor of inte rt clas cern: ture a	eriors s room walls, nd fur	for class and Floor, nishin	ovatio ass roo discus Ceilir g.	n, Nee oms, s sion a ng/root	semina reas. f, Woo	ar hall	ation, ls and rk, Ele		halls –	bing,	sanitary		CO- BTL	1 -3	
MODU	J LE 2														(9L+	- 0P=9)	
Renova aquatic require	ation a comp ments	nd alt blex – and v	eration scher isibilit	n of ir nes fo ty.	nterior or inter	requir iors o	ement f stad	ts for gium w	gymna /ith fo	asium, ocus oi	indoo n mate	r stadi rials,	um and lighting		CO- BTL	2 -3	
MODU	ULE 3	3													(9L+	•0 P=9)	
Alterat same w	ions o vith fo	f inter cus or	iors in mater	saloo rials, l	ns, pu ighting	bs, dis g requi	cothec	que an its and	d ban d visib	ks, etc ility.	sche	emes f	or the		CO- BTL	3 -3	
MODU	U LE 4														(9L+	•0 P=9)	
Renova termina Electric	ation a als – so cal, plu	nd alt cheme umbin	eration es for t ig, san	n of in he san itary f	teriors ne. Are ittings.	for ai eas of , furnit	rports, Conce ture ar	, MRT ern: w	TS, rai alls, F nishin	lway s loor, C g.	tations Ceiling	and b /roof,	ous		CO- BTL	4.3	

MODU	JLE 5	(9L+0P=9)
Renova multiple exclusi Areas of furnitur	tion and alteration of interiors for entertainment buildings such as clubs, ex and amusement parks – schemes for video games parlor, food court areas and ve indoor game areas of clubs materials, lighting requirements and visibility. of Concern: walls, Floor, Ceiling/roof, Electrical, plumbing, sanitary fittings, re and furnishing.	CO-5 BTL-3
REFE	RENCE BOOKS	
1	Edward D Mills- planning Buildings for administration, entertainment and re publishers, New York, 2006	creation – Krieger
2	Carlson Broto- architecture on sports facilities – pg 1 publishing, spain, 2005	
3	Designs for 20th century Interiors – Fiona Leolie, VH Publications, London.	
4	De Chiara and Callender – Time Saver Standards for interior design, Eighth edition	on, 2010
TEXT	BOOKS	
1. Aror	a S P & Bindra S P, Building Construction, DhanpatRai & Sons, New Delhi, 1990.	
2. Cork New Je	y Binggeli A.S.I.D., Building Systems For Interior Designers, John Wiley & Sorrsey 2003.	ons, Inc., Hoboken,
EBOO	KS	
1. Air n	nobility command Interior design guide	
https://v	wbdg.org/FFC/AF/AFDG/ARCHIVES/interior.pdf	
2. A ha	nd book on design tips towards design literacy for all	
https://v	www.iiid.in/files/upload_pdf/IIID-Design-Handbook.pdf	
3. W. O Wiley &	Dtie Kilmer Rosemary Kilmer, Construction Drawings And Details For Interiors: & Sons, Inc., Hoboken, New Jersey 2003.	Basic Skills, John
<u> http://h</u>	omes.ieu.edu.tr/iaed204/Construction%20Drawings%20and%20Details%20for%2	20Interiors.pdf
MOOC		

COURSE TITLE	INTERIOR I	DESIGN ST	UDIO - IV	CREDI TS	4
COURSE CODE	SID21405	COURSE CATEGO RY	PC	L-T-P-S	0-0-8-0

Ve	rsion			2.0)		Appr l Deta	ova ails	24	.02.20	24	LEA N LEV	RNI G VEL		BTI	L-5	
ASSES	SSMENT	SCH	IEN	ЛE													
Cont Assess	inuous ment - 1	ł	Co Asse	ontin essme	uous ent –]	II	Cont Asses I	inuou ssmen III	is it		S	Summe	ntive A	ssessn	nent		
20	0%	20% 10% 50%															
Co Desci	ourse ription	This studio course is designed to provide students with a comprehensive understanding of commercial space design, emphasizing functionality, context, sustainability, and lighting design. Through a combination of theoretical knowledge and practical applications, students will explore the principles and practices associated with designing commercial interiors.															
Course Object	e ive	1. 2. 3. 4. 5.	 To develop a strong understanding of commercial space design principles and their application in real-world scenarios. To analyze and integrate functionality, aesthetics, and context in commercial interior design projects. To explore sustainable design practices and their relevance to commercial spaces. To develop proficiency in lighting design techniques and their impact on the overall design of commercial interiors. To foster critical thinking and problem-solving skills in approaching design challenges within commercial spaces. 														
Course Outcor	e ne	1. 2. 3. 4. 5.	Up De: Ap aes Inte De: Pre me	on co mons ply c thetic egrate mons sent ans.	mplet strate a lesign e requ e susta strate p and o	ion of a com thin ireme ainabl profic comm	this conprehered king a ents of le designiency i biency i	urse, th nsive to und pr comn gn pra in ligh re des	he stu under obler nercia actice nting ign c	dents v standin n-solv il inter s into o design concep	vill be ng of 6 ing sl iors. comm conce ts effe	able to comme kills to ercial i epts an ectivel	ercial s addre nterior d techn y thro	pace do ess the r projec niques. ugh vi	esign j func cts. sual a	princij tional and ve	oles. and erbal
Prereq CO, P	uisites: N	[L 50 I	MA	PPIN	IG												
СО	PO -1	P 0 -2	P 0 - 3	РО -4	РО -5	РО- 6	РО- 7	РО- 8	РО- 9	PO -10	PO -11	PO - 12	PSO -1	PSO-2	PS O-3	PS O-4	PSO
CO-1	1	3	3	3	1	1	3	1	3	2	1	1	3	1	1	2	2
CO-2	1	3	3	3	2	1	3	2	2	1	1	1	1	1	2	2	1

CO-3

CO-4

CO-5

3 3

1: Weakly related, 2: Moderately related and 3: Strongly related

Design projects showroom, restau showcase the unio Students should solutions that effe design language,	should emphasize the theme of a commercial spaces, like trant, and working space. Explore various design solutions that que features of each area. be capable of conceptualizing a theme and developing design ectively express the theme through different contexts, materials, and innovative approaches.									
Note: One major	exercise and two minor time problems should be given.	CO-1								
Design Stages and Deliverables:BIL-6Literature study and case studyConcept Development and Mood boardConcept Development and Mood boardConcept Development and Mood boardSchematic layoutsFinal layoutFinal layoutSectional elevationsDetail drawingViews and 3D.TEXT BOOKS										
TEXT BOOKS										
1.	"Time-Saver Standards for Interior Design and Space Planning Julius Panero, and Martin Zelnik	g" by Joseph DeChiara,								
REFERENCE B	OOKS									
1	"Interior Design Illustrated" by Francis D.K. Ching and Corky B	inggeli								
2	"Sustainable Design: A Critical Guide" by David Bergman									
3	"Interior Lighting for Designers" by Gary Gordon									
4	"Commercial Interior Design" by Christine M. Piotrowski									
5	"Interior Design: A Professional Guide" by Jenny Gibbs									
E BOOKS										
1.	"Retail Design: Theoretical Perspectives" by Clare M. Faulkner									
2.	"The Interior Design Reference & Specification Book" by Chri and Linda O'Shea	is Grimley, Mimi Love,								
MOOC										
1.	https://www.skillshare.com/en/classes/The-Fundamentals-of-Int Establish-Your-Design-Identity/2007942580	terior-Design-and-								

SEMESTER VII

COURSE TITLE		TRAINING		CREDITS	12					
COURSE CODE	SID21803	COURSE CATEGORY	EEC	L-T-P-S	0-0-24-0					
Version	2.0	Approval Details	24.02.2024	LEARNING LEVEL	BTL-5					
ASSESSMENT	SCHEME									
ESE										

								100	%							
Co Desc	ourse criptio	n	In the	is cou ment t	irse, st he mat	tudents erials,	s will tools,	work , techr	k with niques	Inter and pi	ior De rocess	esigne used b	rs. The by them	y will in the	observ project	ve and s.
Co Obj	ourse jective	•	1. To	under	stand	the too	ols, teo	chniqu	ies and	l desig	gn proc	ess fro	om prac	titione	`S	
Co Ou	Course OutcomeUpon completion of this course, the students will be able to 1. Familiarize with the tools, techniques and design process from practitioners.															
Prerec	Prerequisites: NIL															
CO, P	CO, PO AND PSO MAPPING															
СО	PO -1	P O- 2	PO -3	P O- 4	PO -5	PO -6	P O- 7	P O- 8	PO -9	Р О- 10	PO -11	PO -12	PSO -1	PS O-2	PS 0 -3	PSO -4
CO- 1	2	3	3	3	3	2	2	2	1	3	3	3	1	3	3	2
			1: W	eakly	relate	ed, 2: I	Mode	rately	relat	ed and	1 3: St	rongly	y relate	d		
TITL	E															
Every done i The si mater	v stude in disc tudent ials, to	nt mu ussic shou ools, t	ust wor on with ld invo echniq	k with the co lve in ues an	n Interion oncerne the w d proc	ior Des ed facu ork of eess use	signer ilty. these ed by	rs, iden peopl them	ntifica le and in the	tion of obser projec	f the D ve and ets.	esigne docui	ers to be ment the	e	CO- BTL	-1 ,-3

SEMESTER VIII

COURSE TITLE	THESIS			CREDITS	10
COURSE CODE	SID21804	COURSE CATEGORY	EEC	L-T-P-S	0-0-20-3
Version	2.0	Approval Details	24.02.2024	LEARNING LEVEL	BTL-5

ASSE	SSME	ENT S	SCHE	ME												
Contin Assess	nuous sment	- 1	Conti Asses	inuou smen	s t - II	Con Ass	ntinuo sessmo	ous ent - 1	II	The	esis Re	eport	and Viv	va Voc	e	
10%			20%			20%	/o			50%	6					
Cours	e		In this	s cour	se, stu	dents	will w	ork o	n a ful	ltime	projec	t (tech	nically	compl	ex pro	ject).
Descri	iption															
Cours Objec	e tive		1. To	o unde	erstand	l the d	esign	optio	ns in a	proje	ct.					
Cours Outco	e me		Upon 1. I	n completion of this course, the students will be able to Familiarize and explore the design options in a project												
Prerec	quisite	es:														
CO, P	O AN	D PS	O MA	PPIN	IG											
со	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	P O- 8	PO -9	PO -10	PO -11	PO -12	PSO -1	PS O-2	PS O -3	PSO - 4
CO- 1	2	3	3	3	3	2	2	2	1	3	3	3	1	3	3	2
1: We	akly r	elate	d, 2: N	Ioder	ately 1	elate	d and	3: St	rongly	relat	ed	1		•		•
TITLI	E															
Studen studen industr or a co	nts in t ts can ry, des ontinua	his se do de ign fi ation o	mester esign d rm and of the l	ster would take fulltime project (technically complex project). The n degree project in house but it would be advisable for them to go to and do the design project. Project may be Industry-sponsored Project ne Minor Project to implement in a practical basis. CO-1 BTL-3												

ELECTIVES

COURSE TITLE	ARTS A	ND GRAPHICS IN IN DESIGN	NTERIOR	CREDITS	3					
COURSE CODE	SID21500	COURSE CATEGORY	L-T-P-S	3-0-0-0						
Version	2.0	Approval Details	24.02.2024	LEARNING LEVEL	BTL-3					
ASSESSMENT SCHEME										

First F Asse	Periodi essmen	cal t	Seco Perio Assess	ond dical sment		Sem Assign Pro	inar/ ments/ ject	/	Su Test	rprise / Quiz	z	Atte	endance			ESE
1	5%		15	%		10	%			5%			5%			50%
Cours Descri	se iption		In this and the	cours e role	e, stud of form	lents w n, colo	ill lea or and	rn ab comp	out the ositio	basic basic	conce aphic	epts of design	art, its	repres	entation	techniques
Cours Object	se tive		 To To To To To To 	o unde o unde o unde o unde o unde	rstand erstand rstand rstand rstand	the ba art as variou the re the ro	a mec a mec is ther presen le of c	f art. lium o nes ba ntation colour	of inno ased or h techn r, form	vation peric iques. and co	n in int od of a	terior. rt. ition i	n graph	ic desi	ign.	
Cours Outco	se me		Upon c 1. Ex 2. Ex 3. Fa 4. Ex 5. Ex	 on completion of this course, the students will be able to Explain the basics of art. Explain art as a medium of innovation in interior. Familiarize with various themes based on period of art. Explain the representation techniques. Explain the role of colour, form and composition in graphic design. 												
Prereq CO, P	uisite O AN	s: D PS	O MA	PPIN	G											
СО	PO -1	P O- 2	PO -3	P O- 4	РО -5	PO -6	P O- 7	P O- 8	PO -9	Р О- 10	PO -11	PS 0- 1	PSO -2	PS 0 -3	PSO -4	PSO -5
CO- 1	2	1	3	3	2	2	1	1	2	2	1	1	1	1	1	3
CO- 2	2	1	3	3	2	2	1	1	2	2	1	1	1	1	1	3
CO- 3	2	1	3	3	2	2	1	1	2	2	1	1	1	1	1	3
CO- 4	2	1	3	3	2	2	1	1	2	2	1	1	1	1	1	3
CO- 5	2	1	3	3	2	2	1	1	2	2	1	1	1	1	1	3
			1:	Weak	ly rela	nted, 2	: Mod	lerat	ely rela	ated a	nd 3:	Stron	gly rela	ted		
MOD	ULE 1	l – IN	TROI	DUCI	ION										(9	L+0P=9)
Introdu – Art n	iction novem	to cre ents t	ative a hrougł	rts and 1 histo	d craft ry – T	s in In raditio	dia – i nal ar	its app ts and	olicatio l crafts	on in in of Inc	nterior lia –Fo	desig olk art	n –mate s of Ind	erials ia	I	CO-1 BTL-3
MODU	ULE 2	:													(9L+0P=	=9)
Traditi Kerala,	onal a , Andh	rts ar ra Pra	nd craf adesh, (ts of Goa, F	variou Rajasth	s state an, Gu	es of 1 ijarat,	India Kutcł	includ 1, Uttar	ing – Prade	Famil esh, W	Nadu est Be	, Karna ngal, Oı	taka, issa,		CO-2 BTL-3
Bihar, MODI	$\frac{\text{Jamm}}{\text{JLE 3}}$	u and	Kashn	nır, etc	2.										(9L+0P:	=9)
Art Me Expres	oveme	hents in Post Modern India and their influences in Interior design –Abstract Ism, Pop art, Minimal art, Conceptual art – Neo Expressionism – Computers in BTL-3														
MODU	ULE 4	:												((9L+0P=	:9)
To dev of desig	elop tl gn and	he sei l colo	nse of s ur. Ele	space ments	and di of De	vision sign: I	, unde Line, S	erstan Shape,	ding of Form	f basic s, Spac	e form ce, Co	and follours,	undame etc	ntals	F	CO-4 BTL-3

MODU	JLE 5: (9L+0P=9)
Detaile	d study of visual art and its implementation in advertising for effective	CO-5
folders	etc.	BTL-3
1010010	REFERENCE BOOKS	
1	Edith Thomory, A History of fine arts in India and the west, Orient Longmann	
1.	publishersPvt Ltd, New Delhi.	
2	Exploring the Elements of Designs : Poppy Evans, Mark Thomas	
	TEXT BOOKS	
1	History of Graphic Design : Philip B Meggs	
2	The Elements of Graphic Design : Alexander W White	

COURSE TITLE	APPLII	ED COLOUR THE	ORY	CREDITS	3
COURSE	SID 21501	COURSE	DE	L-T-P-S	3-0-0-0
CODE		CATEGORY			
Version	2.0	Approval Details	24.02.2024	LEARNIN G LEVEL	BTL-3
ASSESSMENT	SCHEME				

First Periodical Assessment	SecondSeminar/SurprisePeriodicalAssignments/SurpriseAssessmentProjectTest / Quiz								
15%	15%	10%	5%	5%	50%				
Course Description	This course provide context of interior c	es an in-depth explora lesign.	ation of colour th	heory and its ap	plication in the				
Course Objective	 To understand the second second	he principles of colour psychological and em- avior. Ils in creating and design projects. al thinking and analy hallenges and case st creative experimenta	r theory and thei otional impacts implementing ap ytical skills thro udies. tion and innova	r application in of colour on sp ppropriate colo ugh the evalua tive use of co	interior design. atial perception our palettes for ation of colour- lour in interior				
Course Outcome	 Upon completion of Demonstrate a colour theory in They will be e concepts into the effective interio Apply their knows sophisticated and Critically analy projects, shower solutions. Use color effect storytelling, show meaning in visu 	f this course, the stud comprehensive under the context of interio quipped with the ne neir design processes r spaces. The processes owledge of colour p d contextually appro- zing and evaluating asing their ability to a ctively to communic pwcasing an understa al communication	ents will be able estanding of the or design. ecessary skills t s, creating visua sychology, harm priate colour sch the use of colour apply theoretical ate ideas, messa anding of how c	to principles and o effectively i lly engaging a nony, and cont emes. our in various knowledge to p ages, and narra olor can enhar	applications of ntegrate colour nd functionally rast to develop interior design practical design atives in visual nce and convey				
Prerequisites:	SO MAPPINC								
Prerequisites: CO, PO AND P	SO MAPPING								

СО	PO -1	P O- 2	Р О- З	Р О- 4	P O- 5	P O- 6	Р О- 7	P O- 8	Р О- 9	PO -10	P O- 11	PO -12	PS 0-1	PS 0-2	PS 0-3
CO-1	1	1	2	2	1	2	1	1	2	3	1	2	1	2	1
CO-2	1	1	3	2	2	2	1	1	2	3	1	2	1	2	1
CO-3	1	1	2	2	1	2	1	1	2	3	1	2	1	2	1

CO-4	1	1	1	2	1	1	2	1	2	1	1	1	2	1	2
CO-5	1	1	2	2	2	2	2	3	2	3	1	2	1	2	3
		1:	Weak	dy rel	ated, 2	: Mod	lerate	ly rela	ted an	nd 3: S	trongl	y relat	ed	II	
MODU	LE 1]	FUND	AME	NTAL	S OF	COLO	OUR 1	THEO	RY Al	ND AI	PPLIC	ATIO	N (9L+	- 0P =9)	
Introdu	ction to	o Colo	ur The	ory -P	roperti	es of C	Colour	- Colo	our Ter	minol	ogy an	d Nota	tions	CO	-1
-Colour	Intera	ction a	and Co	ntrast										BTI	2
MODU DESIG	MODULE 2 PSYCHOLOGICAL AND EMOTIONAL IMPACT OF COLOUR IN IN DESIGN (9L+0P=9)												IN IN	TERIO	R
Colour	Colour Psychology-Impact of Warm and Cool Colours-Creating Tranquility and Calm-														
Eliciting Excitement and Energy-Use of Colour in Healing Environments													CO	-2	
													BII	 2	
MODULE 3 HARMONIOUS COLOUR SCHEME AND PALETTE												(9	PL+0P=9	9)	
Color wheel and primary, secondary, and tertiary colors- Understanding color properties-												rties-	CO	-3	
Tint, Hue, Shade												BTL-3			
MODU	LE 4	COI	OUR	IN VI	SUAL	ART	AND	DESI	GN				(9)	L+0 P =9)
Historic	al Pers	spectiv	ves on	Color	in Art-	Color	in Rer	naissan	ce and	l Baroc	que Ar	t-Color	in	CO	-4
Digital a	and Mu	ultime	dia Art	-Cont	empora	ary Pe	rspecti	ves on	Color	in Vis	sual Ar	t		BTI	-2
MODU	LE 5	CO	NTEM	IPOR	ARY	FREN	DS IN	COL	OUR	USAG	Ē			(9L+0P	=9)
Color in	ı Fashi	on and	l Interi	or Des	sign - (Color i	n Med	lia and	Enter	tainme	nt-Eth	ical and	đ	CO	-5
Cultural	Consi	deratio	ons in (Color	Usage	-Emerg	ging T	echnol	ogies	and Co	olor Tr	ends-C	olor	00	-
in Art a	nd Vis	ual Cu	lture											BTI	2
TEXT I	BOOK	S											I		
	1."Th	e Eler	nents c	of Colo	or: A T	reatise	e on th	e Colo	or Syste	em of	Johann	nes Itte	n Based	l on His	Book
	the A	rt of C	olor" t	oy Joh	annes l	ltten									
	2."Int	teractio	on of C	Color"	by Jos	ef Alb	ers								
	3."Co	olor Ch	noices:	Makin	ng Col	or Sen	se Out	of Co	lor Th	eory" l	oy Step	ohen Q	uiller		
REFERENCE BOOKS															
	1."Color Design Workbook: A Real World Guide to Using Color in Graphic Design" by Terry														
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	Lee Stone														
	2."Color Works: The Crafter's Guide to Color" by Deb Menz														
E BOO	KS														
	"Interaction of Color" by Josef Albers														
	"The Elements of Color: A Treatise on the Color System of Johannes Itten" by Johannes Itten														
	"Pantone: The 20th Century in Color" by Leatrice Eiseman and Keith Recker														
MOOC															
	Graphic Elements of Design: Color Theory and Image Formats														
1.	https://www.coursera.org/learn/graphic-elements-design														

COURSE TITLE	CULTUI	RAL ANTHROPOL	OGY	CREDITS	3				
COURSE CODE	SID21502	COURSE CATEGORY	L-T-P-S	3-0-0-0					
Version	2.0	Approval Details	24.02.2024	LEARNIN G LEVEL	BTL-3				
ASSESSMENT	ASSESSMENT SCHEME								
First	Second	Seminar/	Surprise	Attendance	ESE				

Perio Asses	odical sment		Peri	odical ssmen	t	Assi F	ignme Proiect	nts/	Tes	st / Qui	iz				
115505	5%		11000	5%	•		10%	-		5%		5%		509	%
Con Descr	urse iption	Ir ar	n this c nd their	course, r releva	stude	ents wi People	ll leari 's beha	n abou aviour	t the c in even	oncept ryday c	s of e	thnogra t will a	aphy in lso be s	anthrop studied.	oology
Course Objecti	ve	1. 2. 3. 4. 5	To ur To ur To ur To ur To ur	ndersta ndersta ndersta ndersta ndersta	nd the nd the nd the nd ane and th	e huma e conce e releva d analy e meth	n aspe pts of ince of se dail od to c	cts and ethnog anthro ly life lata co	its co raphy polog with re llection	relatio in anth y and e espect t n and a	n. tropole ethnog o ethn nalysi	ogy. raphy. ograph s.	y.		
Course Outcon	ne	1. 2. 3. 4. 5.	 Upon completion of this course, the students will be able to 1. Explain the human aspects and its co relation. 2. Familiarize with the concepts of ethnography in anthropology. 3. Familiarize with the relevance of anthropology and ethnography. 4. Familiarize and analyze daily life with respect to ethnography. 5. Use the method to data collection and analysis. 												
Prerequ	isites:														
CO, PO) AND	PSO	MAP	PING		T _		I		1		T		I	[
СО	РО -1	P 0- 2	P 0- 3	P 0- 4	P 0- 5	P 0- 6	Р О- 7	PO -8	Р О- 9	PO -10	Р О- 11	PO -12	PS O-1	PS 0-2	PS O-3
CO-1	2	2	3	1	1	1	2	3	1	2	1	3	1	1	1
CO-2	-	-	3	2	2	1	2	3	1	2	1	2	1	1	3
CO-3	-	-	3	2	2	1	2	3	1	2	1	2	3	2	1
CO-4	-	-	3	2	2	1	2	3	1	2	1	3	1	1	1
CO-5	-	-	3	2	2	1	2	3	1	2	2	1	1	3	2
		1:	: Weal	kly rel	ated,	2: Mo	derate	ly rela	ted ar	nd 3: S	trong	ly relat	ted		
MODU	LE 1:	ETH	NOGI	RAPH	Y						(9L+	0 P=9)			
Introdu- relation Suggest	ction to to cult ted Rea	o Ethn ture, la ading:	ograpl anguag Clifor	ny, rela ge, hist d Gree	ation t ory. etz : T	o desig he Inte	gn & pr rpretat	roduct, ion of	relatio Cultur	on to th res	ie usei	,		CO BTI	-1 2
MODU	LE 2:	HUM	AN BI	EHAV	IOUI	R					(9L+	0 P=9)			
Underst Ethnog	Understanding Human behaviour as a Mechanism for Change, Application ofCO-2Ethnography and Use in Industry.BTL-2)-2 L-2					
MODU	MODULE 3: RELEVANCE (9L+0P=9)														

Relevance of A	CO-3							
Ergonomics to I	Ethnography.	BTL-3						
MODULE 4: I	SSUES (9L+0P=9)							
Problems of ethnocentrism, seeing things from someone else's point of view, Linking Ethnography & day to day Design								
MODULE 5: METHODOLOGY (9L+0P=9)								
Methods in the everyday contex ethnography Eth Every student sl new product or periodically & a	study of Ethnography, People's behaviour to be studied in st, the approach to data collection, the analysis of the data, Rapid hnographic Field Methods : case studies, analysis & inferences hall take up one project and do a complete research and design a re-design a day to day product. The report shall be assessed at the end of the semester.	CO-5 BTL-4						
TEXT BOOKS								
1.	1. Rothstein, P. (2010). Ethnographic research: teaching a young professional old trick. Innovation.							
2.	ROBERT M. EMERSON, RACHEL I. FRETZ, AND LINDA L. S Ethnographic Fieldnotes, 2nd Edition, © 2011 Chicago Guides to Writing, Editing, and Publishing	HAW Writing						
REFERENCE	BOOKS							
1	M Hammersley, P Atkinson – 2007 Ethnography: Principles in practic Routledge	ce, 3rd edition,						
2	Kurt A. Raaflaub (Editor), Richard J. A. Talbert (Editor) :Geography an Perceptions of the World in Pre-Modern Societies, January 2013, Paperba	d Ethnography: ack, Wiley						
E BOOKS								
1.	1.https://www.amazon.in/Cultural-Anthropology-Pearson-Bonvillain- Nancy/dp/9353067499							
MOOC								
1.	https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_ug/323							

COURSE TI	TLE	TEXTILES AND COSTUMES OF INDIA CREDITS										3	
COURSE CO	ODE	SFA:	1009	CA CA	OURSE TEGORY	7		РС	L-T-P-S		B-T	HO-D	
Version		1	.0	Арри	oval Deta	ils	24.02	2.2024	LEARNIN LEVEL	G	BTI	L-2	
			Α	SSESSN	MENT SC	HEN	ſE						
First Periodi Assessmen	ical nt	Second P Assess	Second Periodical AssessmentSeminar/ Assignments/ ProjectSurprise Test / QuizAttendance					e	End Semester Exam				
15%		15	%		10%			5%	5%		50%		
Course Description The course focus on the history and costumes which is widespread in Inc. to origin of printings and painting involved in various traditional techni- to woven textile. The difference in costumes used in art forms have als delivered.											ia, in a ques in been	ddition clusive widely	
Course Objective1. To make students understand the origin of clothing and its specialty 2. To create awareness about traditional printed clothing culture. 3. To impart knowledge about the traditional painting and its impact 4. To able to identify and create the various regional costumes 5. To make the costumes for such activities											ty.		
Course Outcome 1. Understanding the vastness and variety of the traditional textiles of India 2. Understanding the present status of the traditional Indian Textiles and the pr adopted by designers to revive it 3. Designing and developing collection using traditional textiles and costumes 4. Exploring the possibilities of traditional textiles in terms of market trend 5. Marging the traditional textile into the surrent fashion scenario										a he pract mes d	ices		
Prerequisites:	: Nil												
CO, PO AND	PSO I	MAPPING								T		PSO	
CO P	PO -1	PO-2	PO-3	PO-4	PO-5	PO	-6	PSO-1	PSO-2	P	SO-3	4	
CO-1	-	-	1	-	-	-		1	-		-	1	
CO-2	-	3	-	1	-	1		-	1		-	-	
CO-3	-	2	1	-	-	-		-	-		1	-	
CO-4	-	1	-	-	-	1		1	-		1	-	
CO-5	-	1 - 1 - 3										1	
	1	: Weakly	related, 2:	Modera	ately relat	ed ar	nd 3:	Strongly	related				
MODULE 1 9Hrs	: WOV	VEN TEX	FILES OF	' INDIA									

Dacca Muslin, Kull	u, Kinnaur and Manipur shawls. Saris of India –						
Kancheepuram Dh	armayaram Kerala Kasayu Pochamnalli Sungadi Maheshwari Paithani						
Patola, Varanasi Br	ocade, Saulkuchi, Chanderi, Kota, Jamdani and Baluchar.						
MODULE 2: PRI	NTED TEXTILES OF INDIA	9Hrs					
PabujikiPhad, Mat	a Ni Pachadi, Patachitra, Pichwai, Roghan and Kalamkari	CO-4					
		BTL-2					
MODULE 3: PAI	INTED TEXTILES OF INDIA	9Hrs					
Block Printed - Bagh, Sangneer, Bagru. Dabu and Airak,							
		BTL-2					
MODULE 4: CO	STUMES OF INDIA	9Hrs					
Regional Costum	es of Tamil Nadu, Kerala, Karnataka, Maharashtra, Madhya Pradesh,						
Rajastan, Gujarath	a, Manipur and Kashmir.	CO-3					
		BTL-2					
MODULE 5: DA	NCE COSTUMES OF INDIA	9Hrs					
Bharathanatayam, N	Mohiniattam, Bangra, Katakhali, Manipuri and Odissi.	CO-5 BTL-2					
Skill Development traditional painting	nt Activities: Create miniature dolls that wear various regional costumes. D g with advanced materials.	rawing the					
REFERENCE B	OOKS						
1.	Period Textile and Costumes under different era and kings						
2.	Indian Costumes, Anamika Pathak, Roil Books, 2008						
3.	Costumes of Indian Tribe, Prakash Chandramehta, Discovery Publishing, 2	2011					
E-BOOKS / MAG	GAZINE / ARTICLES						
1.	https://www.researchgate.net/publication/215757088_Traditional_indian_0	Costumes_and					
2.	2. <u>http://181j4w45xq24rooa1c6upxke.wpengine.netdna-cdn.com/files/2014/06/4.A-</u> composite-of-indian-textiles.pdf						
ONLINE RESOU	RCES						
1.	https://www.classcentral.com/subject/textiles						
2.	https://www.udemy.com/topic/textiles/						

COU TIT	RSE LE		INCLUSIVE INTERIORS									CREDI	TS	3	
COL CO	URSE DE		SID	21503		C CA	OURS TEGO	E RY		DE		L-T-P	P-S	3-0-	0-0
Ver	sion		2	2.0		A] I	pprov: Details	al	24.	02.202	4	LEARI G LEV	NIN VEL	BTI	2-3
ASSES	ASSESSMENT SCHEME														
Fi Perio Asses	rst odical sment		SecondSeminar/PeriodicalAssignments/AssessmentProject								ES	E			
15	5%		1	5%			10%			5%		5%		509	%
Cou Descr	urse iption	Ir de	n this course, students will study about Universal Design and concepts for barrier free lesign in interiors.												
Course Objecti	ve	1. 2. 3. 4. 5.	 To understand about the user cantered design and factors to be considered. To understand the principles of universal design. To understand the need for barrier free concepts. To understand how elements used in interior can be made barrier free. To understand the application of barrier free elements in design. 												
Course Outcon	 Se Upon completion of this course, the students will be able to 1. Explain the importance of user cantered design. 2. Familiarize with the principles of universal design and cognition. 3. Explain the concepts of barrier free design and accessibility. 4. Explain the usage of barrier free elements in interiors. 5. Explain the usage and application of barrier free elements in interior spaces. 														
Prerequ	isites:														
CO, PC) AND	PSO	MAP	PING											
со	PO -1	P O- 2	P O- 3	P O- 4	P O- 5	P O- 6	P O- 7	PO -8	P O- 9	PO -10	P O- 11	PO -12	PS O-1	PS O-2	PS 0-3
CO-1	1	2	3	1	1	1	2	3	1	2	1	3	1	1	1
CO-2	2	-	3	-	2	1	2	3	-	-	1	2	-	1	3
CO-3	2	-	3	-	2	1	-	3	1	2	1	2	3	2	1
CO-4	1	1	3	2	2	1	-	3	1	2	1	3	1	1	1
CO-5	1	1	3	2	2	1	-	3	1	2	2	1	1	3	-
		1:	Weal	kly rel	ated, 2	2: Moo	lerate	ly rela	ted an	nd 3: St	trong	ly relat	ted		

MODULE 1: USER CENTERED DESIGN & HUMAN FACTORS (9L+0P=9)									
User specific, I personas, focus Evaluation.	Disability-Specific Design, User-centred design tools and techniques - groups, user consultation, task analysis, simulation, post design	CO-1 BTL-2							
MODULE 2: UNIVERSAL DESIGN & COGNITIVE PROCESS (9L									
Universal desig examples, Psych	n, purpose, principles of universal design. Cognitive process with few nosocial behavior aspects, posture and body supportive devices	CO-2 BTL-2							
MODULE 3: II	2+0P=9)								
Defining the bas design, concepts free design and a	CO-3 BTL-3								
MODULE 4: B	GARRIER FREE ELEMENTS IN INTERIORS (91)	(+0 P=9)							
To study the an barrier free desig doors, windows,	CO-4 BTL-4								
MODULE 5: (9L+0P=9)	APPLICATION OF BARRIER FREE ELEMENTS IN	INTERIORS							
Application of u zones, auditorium globe.	universal design in public buildings like institutional spaces, recreation ms etc. Case study examples of Barrier free design in India and across the	CO-5 BTL-4							
TEXT BOOKS									
1.	Guidelines and Space Standards for Barrier Free Built Environment f Elderly Persons – Central Public Works Department, Ministry of Urban Affairs & Employment, India, 1998	or Disabled and							
2.	IS – 4963 (1987), Recommendations for buildings and facilities Handicapped	for Physically							
REFERENCE	BOOKS								
1	Barrier-Free Design: Principles Planning, Examples, by Oliver H Degenhardt, Johann Ebe (Birkhauser Architecture, 2010)	leiss, Christine							
E BOOKS									
1.	1.https://www.amazon.in/Inclusive-Design-Implementation-Evaluation- PocketArchitecture-ebook/dp/B076DDFB16								
MOOC									
1.	An Introduction to Accessibility and Inclusi https://www.coursera.org/learn/accessibility	ve Design,							

COURSE TITLE	VISUAL AND PERFORMING ARTS	CREDITS	3

COURSI CODE	E		SID	21505		CO CAT	DURS FEGO	E RY		DE		L-T-F	P-S	3-0-0)-0
Version			2	2.0		Appro	oval D	etails	24.0	02.202	4	LEAR G LEV	NIN /EL	BTI	3
ASSESSME	CNT	SCH	IEMF	E											
First Periodica Assessmer	l nt		SecondSeminar/PeriodicalAssignments/AssessmentProjectSurpriseTest / Quiz										ES	E	
15%		15% 10% 5% 5%							50 %	%					
Course Descriptio	n	In this course, students will learn about various approaches to media analysis and relationship between media and culture.													
Course Objective		1. ' 2. ' 3. ' 4. ' 5. '	 To understand about basic details of mass media and its effects on culture. To understand types of media Audience analysis. To understand media as a text and various approaches to media analysis. To understand how media helps within our societies. To understand the relationship between media and culture. 												
Course Outcome	Upon completion of this course, the students will be able to1. Explain the basic details of mass media and its effects on culture.2. Familiarize with types of media Audience analysis.3. Familiarize with media as a text and various approaches to media analysis.4. Explain how media helps within our societies.5. Explain the relationship between media and culture.														
Prerequisite	es:														
CO, PO AN	D P	SO I	MAPF	PING											
$\begin{array}{c c} CO & PO \\ -1 \\ \hline CO & 2 \end{array}$		PO -2 2	PO -3	PO -4	PO -5 2	PO -6 2	PO -7	PO- 8	PO -9	PO -10	PO -11	PO -12 2	PSO -1	PSO -2	PSO -3 2

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CO-2

CO-3

CO-4

CO-5

	1: Weakly related, 2: Moderately related and 3: Strongly rela	ated
MODULE 1: N	EED FOR STUDY (9L+0P=9))
Understanding n	nass media. Characteristics of mass media. Effects of mass media	CO-1
on individual, so	ociety and culture – basic issues. Power of mass media. Media in	BTL-2
Indian society. I	Definition, nature and scope. Function of mass media.	
MODULE 2: A	UDIENCE ANALYSIS (9L	(+0 P =9)
Media Audience	e analysis (mass, segmentation, product, social uses). Audience	C0-2
making. Active	Vs Passive audience: Some theories of audience - Uses and	
Gratification, Us	ses and Effects, etc.	D1L-2
MODULE 3: N	MEDIA AS TEXT (9L	(+0P=9)
Media as text. A	pproaches to media analysis - Marxist, Semiotics, Sociology,	CO-3
Psycho analysis.	Media and realism (class, gender, race, age, minorities, children, etc	c.) BTL-3
MODULE 4: N	MEDIA AND SOCIETY ((9L+0P=9)
Media as consci	ousness Industry. Social construction of reality by media. Rhetoric	
of the image, na	rrative, etc. Media myths (representation, stereotypes, etc.)	CO-4
Cultural Studies	approach to media, audience as textual determinant, audience	BTL-4
as readers, audie	ence positioning, establishing critical autonomy	
MODULE 5: N	MEDIA AND CULTURE (9L	(+ 0P = 9)
Media and Popu	lar culture — commodities, culture and sub-culture, popular	
texts, popular di	scrimination, politics and popular culture, popular culture Vs	CO-5
people's culture,	, celebrity industry-personality as brand name, hero-worship, etc.	BTL-4
Acquisition and	transformation of popular culture	
TEXT BOOKS		
1.	Media Literacy. Sage Publications Potter, James W (2016).	
2.	Media-Making: Mass Media in a Popular Culture. Sage Pu Lawrence et al (2005).	iblications Grossberg,
REFERENCE	BOOKS	
1	Media Analysis Techniques. Sage Publications Berger, AsaAuthur	: (2017).
E BOOKS		

1.	Visual and Performing Arts Collaborations in Higher Education, https://link.springer.com/book/10.1007/978-3-031-29811-0
MOOC	
1.	https://onlinecourses.nptel.ac.in/noc23_hs127/preview

COURSE TITLE		REP	RESE	CREDI	TS	3	5						
COURSE CODE	SII	21505	5		L-T-I	P-S	3-0-0-0)					
Version		2.0		Aj I	pprov Details	al	24.	02.202	4	LEAR G LEV	NIN VEL	BTI	L -3
ASSESSMENT	SCHEN	E	<u>.</u>								·		
First	S	econd		S	emina	r/	SI	ırnrisa					
Periodical	Per	iodical		Assi	ignme	nts/				Attend	ance	ES	E
Assessment	Ass	essmen	t	F	Project	t	100	Test / Quiz					
15%	15% 10% 5% 5% 50%												%
Course	In this course, students will learn ways to convert spaces from literature with various												
Description	examples. They will also learn to understand spaces.												
Course Objective	 To understand ways to represent space as a phenomenon in literature. To understand ways to convert spaces from literature with various examples. To understand about the threshold spaces relating to films and mythology. To understand public realm and public spaces and right to place. To understand various spaces for kids in fiction and novel. 												
Course Outcome	Upon completion of this course, the students will be able to1. Explain how to represent space as a phenomenon in literature.2. Explain how to convert spaces from literature with various examples.3. Familiarize with the threshold spaces relating to films and mythology.4. Explain public realm and public spaces and right to place.5. Explain various spaces for kids in fiction and novel.												
Prerequisites:													
CO, PO AND P	SO MAI	PPING											
CO PO -1	P P D- O-	P 0-	P 0-	P 0-	P 0-	P O-	P O-	PO -10	P O-	PO -12	PS 0-1	PS 0-2	PS 0-3
CO-1 1	$\frac{2}{2}$ $\frac{3}{3}$	4	2	2	/ 1	• 1	2	1	-	3	1	1	1

CO-2	1	1	2	2	3	3	2	1	2	2	1	2	1	2	1
CO-3	1	1	2	2	1	1	2	3	1	1	1	2	2	1	3
CO-4	2	1	1	2	3	1	1	2	1	1	2	2	1	2	2
CO-5	2	1	1	2	1	2	3	1	2	3	1	2	1	1	2
1: Weakly related, 2: Moderately related and 3: Strongly related													<u> </u>		
MODULE 1 FUNDAMENTALS OF SPATIAL REPRESENTATION (9												(9L	.+ 0P=9)		
Representing space as a pervasive phenomenon in literature-Two-Dimensional Spatial											oatial	CO	1		
Represe	ntatior	ı - Thi	ree -D	imensi	onal S	patial	Repre	sentati	on -Pł	nilosop	hical	cultura	l and	CU RTI	-1 [_2
social aspects of spaces in literature, cinema, theatre											DII	L- <i>L</i>			
MODULE 2: SPATIAL PERCEPTION AND COGNITION (9											(9I	L+0P=9))		
Space a	as disc	course	in lit	erature	and	exerci	se - s	ketchi	ng spa	aces fr	om li	terature	e eg:		
Windows as frames of reference describing use of spaces in literary texts such as "Alice											Alice	CO-2			
in Wonderland "- Space in middle of nowhere ,space and the mythical quality it holds											nolds	BTL-2			
conceptualizing space from sound and smell.															
MODULE 3: TECHNIQUES IN REPRESENTATION (9										(9)	L+0P=9))			
Thresho	old and	limin	al spac	e exer	cise: F	find an	d colle	ect pict	ture an	d draw	thres	hold			
spaces -	Discus	ssion o	on ima	ges of	thresh	old spa	aces, tl	nresho	ld spac	es in f	ilms a	nd		CO	-3
Merthal														BTI	L -3
Mython	ogy														
MODU	LE 4:	SP.	ATIA	L REF	RESE	ENTA'	TION							(9L+	0 P=9)
Spatial	Repres	entatio	on in V	isual S	Storyte	lling -	Demo	ocracy	and sp	ace pu	blic sp	here, p	ublic	~~~	
realm and public space, rights of people over space-Portrayal of emotions through literary										erary	CO)-4			
descriptions of space												BTI	L-2		
MODULE 5 SPACE IN FICTION										(9L+	0 P=9)				
Narrativ	ve pow	er of s	space a	nd its	impac	t on hu	ıman e	xperie	nce -F	ictiona	ıl worl	ds and	their	CO)-5
influence on architectural and interior design										BTI	L -2				
TEXT I	BOOK	S													

	1."Interior Design Illustrated" by Francis D. K. Ching and Corky Binggeli
	2."Color Drawing: Design Drawing Skills and Techniques for Architects, Landscape
	Architects, and Interior Designers" by Michael E. Doyle
	3."Sketching for Architecture and Interior Design" by Stephanie Travis
REFERENCE	BOOKS
	1."Interior Design Visual Presentation: A Guide to Graphics, Models, and Presentation
	Techniques" by Maureen Mitton
	2."Sketching for Architecture and Interior Design" by Stephanie Travis
E BOOKS	
	1."Architectural Representation Handbook: Traditional and Digital Techniques for
	Graphic Communication" by Paul Laseau
	2."Architectural Graphics" by Francis D.K. Ching

COURSE	TITLE		TEC	CREDITS	5	3								
COURSE	CODE	SFA1	L-T-P-S	3-0	-0-0									
Versi	on	1	.0	Appr	oval Deta	uls	24.02	2.2024	LEARNIN LEVEL	G BT	L – 2			
First Peri Assessn	iodical nent	Second P Assess	eriodical ment	S Ass	Seminar/ Assignments/ Project			rprise t / Quiz	Attendanc	e E Sem Ex	nd ester am			
15%	0	15	%		10%			5%	5%	50)%			
Cour Descrip	rse otion	Technical textiles focus on the various fields such as sports, transport, medical, surviva defence etc. This will give clear knowledge about the usage of textiles in various form and to understand the characteristics and functional properties of textile materials an their implementation.												
Course Ol	bjective	 To make students know about the types of clothing used for various fields To create awareness about clothing culture at home. To impart knowledge of clothing in medical and survival field. To be able to know the various usage of textiles in transport and geotextil To create awareness about the textiles in defense field. 												
Course O	Upon completion of this course, the students will be able to Course Outcome 1. Know the variety of clothes used in various fields. 2. To design and develop textile furnishing homes. 3. To be able to know the various textile materials used in the medical field 4. To identify the usage and types in various transportation. 5. To know about the usage of textiles in defense and how it protects													
Prerequisi	tes: Nil													
CO, PO Al	CO, PO AND PSO MAPPING													
СО	PO -1	PO-2	PO-3	PO-4	PO-5	PO-	-6	PSO-1	PSO-2	PSO-3	PSO- 4			
CO-1	1	2	1	-	-	1		1	-	1	1			
CO-2	-	1	-	1	2	3		-	1	3	3			
CO-3	1	2	1	-	3	3		-	-	2	-			

1: Weakly related, 2: Moderately related and 3: Strongly related MODULE 1: INTRODUCTION TO TECHNICAL TEXTILES

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CO-4

CO-5

9Hrs

1

2

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1

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MODULE 2: HOME TEXTILES9HrsDefinition, Bed linens, Floor covering, Wall coverings Door and windowtreatments, Table and kitchen linens.CO-4 BTL-2MODULE 3: MEDICAL AND SURVIVAL TEXTILES9HrsIntroduction. Non implantable materials, Implantable materials, Health care and hygiene, textiles. Tents, helmets, gloves, sleeping bag, Survival bags and Suits.CO-3 BTL-2MODULE 4: TEXTILES IN TRANSPOTATION AND GEO TEXTILES9HrsIntroduction, Textiles in Cars, Road vehicles, Rail ways, Aircraft and Marine applications. Essential properties of Geo Textiles, Applications of Geo Textiles, Natural fiber for soil strengthening.CO-3 BTL-2MODULE 5: DEFENCE TEXTILES9HrsTextiles for Protection, Thermal insulation materials, Camouflage concealment and deception, Flame and Heat protective textiles, Ballistic protective materials, Intelligent textiles-use of Wearable electronicsCO-5 BTL-2Skill Development Activities: Sustainability study about the usage of textiles in day-to-day life and create reports about the waste and recycling of textiles.Hortocks, A.B. and Anand, S.C. Handbook of Technical Textiles TheTextiles Institute, Woo
Definition, Bed linens, Floor covering, Wall coverings Door and windowtreatments, Table and kitchen linens.CO-4 BTL-2MODULE 3: MEDICAL AND SURVIVAL TEXTILES9HrsIntroduction. Non implantable materials, Implantable materials, Health care and hygiene, textiles. Tents, helmets, gloves, sleeping bag, Survival bags and Suits.CO-3 BTL-2MODULE 4: TEXTILES IN TRANSPOTATION AND GEO TEXTILES9HrsIntroduction, Textiles in Cars, Road vehicles, Rail ways, Aircraft and Marine applications. Essential properties of Geo Textiles, Applications of Geo Textiles, Natural fiber for soil strengthening.CO-3 BTL-2MODULE 5: DEFENCE TEXTILES9HrsTextiles for Protection, Thermal insulation materials, Camouflage concealment and deception, Flame and Heat protective textiles, Ballistic protective materials, Intelligent textiles-use of Wearable electronicsCO-5 BTL-2Skill Development Activities: Sustainability study about the usage of textiles in day-to-day life and create reports about the waste and recycling of textiles.Horrocks, A.B. and Anand, S.C. Handbook of Technical Textiles TheTextiles Institute, Woo
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MODULE 4: TEXTILES IN TRANSPOTATION AND GEO TEXTILES9HrsIntroduction, Textiles in Cars, Road vehicles, Rail ways, Aircraft and Marine applications. Essential properties of Geo Textiles, Applications of Geo Textiles, Natural fiber for soil strengthening.CO-3 BTL-2MODULE 5: DEFENCE TEXTILES9HrsTextiles for Protection, Thermal insulation materials, Camouflage concealment and deception, Flame and Heat protective textiles, Ballistic protective materials, Intelligent textiles-use of Wearable electronicsCO-5 BTL-2Skill Development Activities: Sustainability study about the usage of textiles in day-to-day life and create reports about the waste and recycling of textiles.REFERENCE BOOKS1Horrocks, A.R. and Anand, S.C., Handbook of Technical Textiles, TheTextiles Institute, Woo
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MODULE 5: DEFENCE TEXTILES 9Hrs Textiles for Protection, Thermal insulation materials, Camouflage concealment and deception, Flame and Heat protective textiles, Ballistic protective materials, Intelligent textiles-use of Wearable electronics CO-5 BTL-2 Skill Development Activities: Sustainability study about the usage of textiles in day-to-day life and create reports about the waste and recycling of textiles. If and create REFERENCE BOOKS 1 Horrocks, A.B. and Anand, S.C., Handbook of Technical Textiles, The Textiles Institute, Woo
Textiles for Protection, Thermal insulation materials, Camouflage concealment and deception, CO-5 Flame and Heat protective textiles, Ballistic protective materials, Intelligent textiles-use of BTL-2 Wearable electronics Skill Development Activities: Sustainability study about the usage of textiles in day-to-day life and create reports about the waste and recycling of textiles. REFERENCE BOOKS 1 Horrocks, A.B. and Anand, S.C., Handbook of Technical Textiles, The Textiles Institute, Woo
Skill Development Activities: Sustainability study about the usage of textiles in day-to-day life and create reports about the waste and recycling of textiles. REFERENCE BOOKS 1 Horrocks A B and Anand S C. Handbook of Technical Textiles. The Textiles Institute. Wool
REFERENCE BOOKS
1 Horrocks A R and Anand S C. Handbook of Technical Textiles. The Textiles Institute. Woo
Head Publishing Ltd., England, 2000.
2. Pandy, S.N., Potential for the use of Natural Fibres in Civil Engineering,Jute Technological Research Laboratory, 2002
3. Grosick, Z.J.Walson's, Advanced Textile Design-compoundwoven structures, Woohead Publishing, England, 2004.
Murphy W.S, Textile Finishing, Abhishek Publications, Chandgarh,2000. E-BOOKS / MAGAZINE / ARTICLES

1.	https://www.sciencedirect.com/book/9781782424581/handbook-of-technical-textiles
2.	<u>h https://ftp.idu.ac.id/wp-</u> content/uploads/ebook/tdg/ADVANCED%20MATERIAL%20DESIGN/handbook_of_technical _textilepdf
ONLINE R	ESOURCES
1.	https://www.technical-textiles.net/
2.	https://onlinecourses.nptel.ac.in/noc23_te02/preview

COURSE TITLE	PR	ODUCT DESIGN		CREDITS	3						
COURSE CODE	SAR51503	COURSE CATEGORY	DE	L-T-P-S	3-0-0-0						
Version	1.0	Approval Details	24.02.2024	LEARNIN G LEVEL	BTL-3						
ASSESSMENT	SCHEME										
First Periodical Assessment	SecondSeminar/ Assignments/ ProjectSurprise Test / QuizAttendanceES										
15%	15%	10%	5%	5%	50%						
Course Description	Product Architecture is the process of creating a schematic for a product and its various functions. Rather than representing the product as a prototype, the product is broken down into its base components and expressed geometrically										
Course Objective	 To understand the foundational principles of product design and its role in addressing real- world problems. To understand research and empathy skills essential for creating user-focused, innovative designs. To acquaint students with materials and manufacturing processes, emphasizing sustainable design practices and effective collaboration with industry partners. Understand theoretical and practical aspects of user testing and product audits for continuous improvement. Explore advanced concepts and emerging trends in product design, integrating theory into 										
Course Outcome Prerequisites:	practice. Upon completion of this course, the students will be able to 1. Gain a comprehensive understanding of the foundational principles of product design, recognizing its vital role in addressing real-world problems. 2. Develop research and empathy skills essential for creating user-focused, innovative designs, ensuring a deep appreciation for user needs and experiences. 3. Acquire knowledge of materials and manufacturing processes, with a strong emphasis on sustainable design practices, preparing students for effective collaboration with industry partners. 4. Understand both theoretical and practical aspects of user testing and product audits, enabling students to implement continuous improvement strategies for product development. 5. Explore advanced concepts and emerging trends in product design, integrating theoretical knowledge into practical applications and equipping students to navigate evolving industry landscapes.										

CO, PO AND PSO MAPPING																			
СО	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PO- 12	PSO -1	PSO -2	PSO-3				
CO-1	1	1	3	1	3	3	2	1	1	1	2	1	1	3 2					
CO-2	2	3	1	1	1	3	1	1	1	1	2	1	2	3	2				
CO-3	3	3	1	1	3	3	2	1	1	3	1								
CO-4	2	3	1	1	3	3	2	1	1	1	3	1	2	2	2				
CO-5 1 3 1 1 3 3 1 1 1 2 1 2											2	2	1						
1: Weakly related, 2: Moderately related and 3: Strongly related																			
MODULE 1: INTRODUCTION TO PRODUCT DESIGN																			
Overview of product design principles and processes- Historical perspectives on product design- Importance of design thinking in product development -Introduction to																			
design-Importance of design thinking in product development -Introduction to BTL-2 influential product designers and their works BTL-2																			
MODULE 2: DESIGN RESEARCH AND USER-CENTERED DESIGN																			
Recognize the importance of user research in product designIdentify the purpose and CO-2																			
utility of creating user personas and scenarios Understand the fundamental principles of user-centered design (UCD) and its role in shaping design processes.BTL-2											BTL-2								
MOD	ULE 3:			MA	FERI A	ALS A	ND M	IANU	FACT	URIN	G PR	OCES	SES						
Under	standing	differ	ent ma	terials	and th	neir pro	opertie	es-Ove	rview	of com	mon	.1			CO-3				
manu	facturing	and su	sses- S ipplier	Sustain	able de	esign c	conside	eration	s- Col	laborat	10n W1	th]	BTL-3				
MOD	ULE 4:			U	SER 1	FEST	ING A	ND P	RODI	JCT A	UDIT	S							
Learn	ing abou	t Testi	ng me	thodol	ogies-	overvi	iew of	usabili	ity the	ories a	nd app	licatio	n-		CO-4				
ethica	l conside	eration	s while	e testin	ig- use	r well-	being,]	BTL-2				
MOD	ULE 5:	EMEI	RGIN	G TE(CH AN	ID PR	ODU	CT AP	PPLIC	ATIO	NS								
Recog	gnize and	descri	ibe key	y emer	ging te	chnol	ogies r	elevan	t to pr	oduct o	lesign	- Ident	tify		CO-5				
potential applications of emerging technologies in product development Analyze theimpact of emerging technologies on current and future product design trends.BTL-2																			
TEX	TEXT BOOKS																		
	The Des	sign of	Every	day Tl	nings"	by Do	nald A	. Norr	nan,Aı	uthor: I	Donalo	l A. No	orman						
1.	Publishe	er: Bas	ic Boc	oks Pul	olicatio	on Yea	r: 2013	3 ISBN	V-13: 9	78-046	65050e	559							

REFE	CRENCE BOOKS
1	Subhash.C.Saxena, "A Course in Traffic Planning and Design", Dhanpat Rai& Sons,2010.
2	"Observing the User Experience: A Practitioner's Guide to User Research" by Mike Kuniavsky, Elizabeth Goodman, and Andrea Moed
	E BOOKS
1.	"Universal Principles of Design" by William Lidwell, Kritina Holden, and Jill Butler

COU	URSE FLE	2				SI	E T D I	ESIGN	CREDITS			3					
COL CO	URSE DE	2	8	SAR	5150	4	CA CA	OURS ATEGO Y	SE OR	D	E	L-T-P-S			3- 0- 0- 0		
Ver	sion			5	.0		A	pprov Details	al S	24.02	.2024	4 LEARNING LEVEL				BTL-3	
ASSES	SME	NT	SCHI	EME	4												
Fi Perio Asses	rst odica smer	l it	SecondSeminar/ AssignmentsSurprise Test / QuizPeriodical Assessment/ ProjectSurprise Test / Quiz							Attendance			ESE				
15	%		15% 10% 5% 5% 50%										50%				
Course Descrip	tion		The conc mate	The course enables students to understand the approaches to theatre and cinema set with conceptualizing the design, understanding og design elements through light, color and materials through graphical representations.													
Course Objecti	ve		 Describe the history of set design and identify people and movements which influenced its development. Identify and describe the process set designers use to create sets for productions. Students will also explore, learn, and use the various process materials available to communicate effectively with all members of the production team 														
Course Outcon	ıe		1. 2. 3. 4. 5. 6.	To ci ciner To i mani Unde Unde and c	reate na se nculo festa erstar erstar creati erstar	awai et des cate tions nd the nd the ve pr nding	reness ign to the al accor e diffe e proc cocess s stage	and parchit bility to rding to erent ap ess of o settin	rovid ectur to tra to the pproa conce g thro	e expos e stude inslate traditio ches in eptualiz	sure ab nts. the re ns folle graph ing the nguage	quire owec ics d e desi	he designer the design at the design at the design at the grant of the design at the d	gn pote of the theatre nd its a levelop archite	script & cine pplicat the se ectural	to phy ma ind tions ts with analysi	9 & ysical ustry. visual s.
Prerequ	ıisite	s: A	RC44	55–	SET	DES	SIGN										
CO, PO AND PSO MAPPING																	
СО	РО -1	PO -2	РО- 3	РО -4	РО -5	РО -6	РО- 7	PO-8	РО- 9	PO - 10	РО - 11	PO -12	PSO-1	PSO- 2	PSO- 3	PSO-4	PSO- 5
CO-1	2	2	3	-	-	3	3	-	-	-	2	3	3	1	3	2	2
CO-2	2	2	3	-	-	3	3	-	-	2 3 3 1 3					3	2	2
CO-3	2	2	3	2	-	3	3	-	-	-	2	3	3	1	3	2	2
CO-4	2	2	3	2	-	3	3	-	-	-	2	3	3	1	3	2	2
CO-5	2	2	3	2	-	3	3	-	-	-	2	3	3	1	3	2	2

1: Weakly related, 2: Moderately related and 3: Strongly related

MOD	ULE 1 - FILM AND SOCIETY	
(9L)		
Exami	ination of the 20th century culture and society through film. Critical analysis of al and social conflicts are portraved and worked out in popular films, and	CO-1
exami cultura	nation of how motion pictures create a window into modern society. Film as al text to better understand history and cultural manifestations.	BTL-4
MOD	ULE 2 - HISTORY AND THEATRE FILM SET DESIGN	
(9L)		
Invest	igation the production methods, dramatic theory and conventions, and scene	CO-2
design and ho	of various performance media since the popularization of the motion picture, ow it has influenced all entertainment design in the 20th and 21st centuries.	BTL-2
MOD	ULE 3 - GRAPHIC DESIGN AND TYPOGRAPHY FOR EXHIBIT DESIG	N
(8L)		
Princip	ples of layout for creating effective visual signage and explore the unique ones, technique, theory, and approaches of signage in film, theatre, and other	CO-3
forms signag	of mediated exhibition. Introduction to the design applications for building ge.	BTL-2
MOD	ULE 4 - SET DESIGN AND CONCEPT WRAP	
(8L)		
Introd theatre	uction to the basic concepts, through theory and practice, of scene design in the film, and other fine arts and entertainment media. Students will learn how to	CO-4
analyz actual	e scripts for proper scenery, how to conceptualize designs that will translate into sets, and develop visual thinking within the creative process.	BTL-2
MOD	ULE 5 - STAGE DESIGN	
(8L)		
Stage	design process from inception to performance, script analysis, visual arts	CO-5
analys	is, research skills, and the application of principles and elements of design.	BTL-3
Under	standing stage setting through language, color, and architectural analysis.	DILG
ILAI	BOOKS	
1	Baiche Bousmaha & Walliman Nicholas. Neufert Architect's data. Blackwell s	cience ltd.
2	Chiara De Joseph & crosbie.J.Michael. 1990. Time saver standards for buildi	ng types. McGraw
BEEE	RENCE BOOKS	
KEFE		
1	Behind the Scenes: Contemporary Set Design, <u>Black Dog Publishing</u> , London, Design, General	UK, 2012, English

COURSE	DIGITAL MODELLING	CREDITS	3

TIT	TLE														
COU	URSE DE		SID	21528	8 COURSE CATEGORY DE					L-T-I	P-S	3-0-	0-0		
Ver	sion	ion 1.0 Approval Details 24.02.2024		4 ^I	LEARNING LEVEL		BTL-3								
ASSESS	SMENT	SCH	EME												
First Pe Asses	eriodica sment	il So	econd l Asses	Period ssment	ical	I Seminar/ Assignments/ Project Surprise Tes 109/ 59/					est	Attend	ance	ES	E
15	%		1	5%			10%			5%		5%	D	509	%
Cou Descr	ırse iption	Di usi en 2D	Digital modelling refers to the process of creating virtual representations of objects or systems using computer software. It is widely used across various industries, including architecture, engineering, entertainment, product design, and more. Digital models can range from simple 2D sketches to complex 3D simulations, and they serve several purposes											stems re, nple	
Course Objectiv	7 e	Pr de Fo Es Er pr	 Provide a foundational understanding of digital modelling's theoretical principles in interior design. Foster critical thinking by evaluating the impact of digital tools on design processes. Teach how meaning is conveyed through digital representations of interior spaces. Explore cultural influences and ethical considerations in digital design practices. Enable the application of theoretical knowledge to propose innovative design solutions in practice. 												
Course OutcomeUpon completion of this course, the students will be able to6. Demonstrate a deep understanding of digital modelling's theoreti interior design.7. Develop critical analysis skills to assess the impact of digital processes.8. Proficiently communicate design concepts through digital rep interior spaces.9. Show awareness of cultural influences and ethical considera design practices.10. Apply theoretical knowledge to propose innovative design solut scenarios.							eoretica igital to al repr siderati solutio	al princi pols on esentation ons in ons in pr	ples in design ons of digital actical						
Prerequisites:															
CO, PO	AND F	PSO M	APPIN	NG											
СО	PO	PO-	PO-	PO-	PO-	PO-	PO-	PO-	PO-	PO	PO-	PO-	PSO-	PSO-	PSO-
	-1	2	3	4	5	6	7	8	9	-10	11	12		2	3
CO-1	-	-	1	1	3				-	-	-	1	-	3	-

CO-2	-	-	1	1	3	1	1	1	-	-	-	1	-	3	-
CO-3	-	-	1	1	3	1	1	1	-	2	-	1	-	3	-
CO-4	2	1	3	1	3	1	1	1	1	1	-	1	-	3	-
CO-5	3	1	3	-	3	1	1	1	1	1	-	1	-	3	-
			1: We	akly r	elated,	2: Mo	derate	ly relat	ed and	l 3: Str	ongly i	related		<u> </u>	
MODU	LE 1:	Fund	ament	als of	Digita	l Mod	elling							(9L+0	P=9)
Introdu	ction to	o the p	rincip	les and	conce	pts of	digita	l mode	lling i	n the c	ontext	of inte	rior	CO	-1
impact	design	workf	flows	ng the Exr	loring	the hi	al tools	s in the il evoli	tion o	n proce of digit:	al mod	i now t elling i	tools	DTI	-
and the	ir signi	ficanc	e in co	ontemp	orary	interio	r desig	gn prac	tices.	i uigitt		ennig	.0015	BII	-2
MODU	LE 2:	Theo	retical	Fram	eworł	ks in D	ligital	Desig	n					(9L+0	P=9)
Study of	theore	etical f	ramew	orks a	ind me	thodol	ogies	applied	l in di	gital m	odellir	ng for			•
interior	spaces.		Anal	ysis of	digita	l mode	elling]	proces	ses, fro	om idea	ation a	nd		CO	-2
underpi	nnings	of 3D	model	ling, r	enderi	ng, and	d virtu	al reali	ty tech	n me u nnologi	ies in d	lesign.		BTI	2-2
MODULE 3: Digital Representation and Semiotics in Design (9L+0P=9)															
Underst	Understanding the principles of visual representation and communication in digital														
design Semiotics and symbolism in digital representations of interior spaces- analyzing									zing	CO	-3				
how meaning is conveyed through visualsExploring the language of digital modelling and how it influences the perception and interpretation of design ideas.									ng	BTI	3				
MODULE 4: Critical Perspectives on Digital Design Tools (9L+0P=9)															
Criticall	y exan	nining	the im	pact o	f digita	al tools	s on de	esign th	ninking	g and c	reativi	ty in		<u> </u>	4
interior modellin	design.	Ethic	al con	siderat	tions a	nd cha	llenge	s assoc	technologiated	with th	e use (n desi	of digit	al	CO	-4
addressi	ng issu	ies of	standa	rdizati	on, aut	omatio	on, and	l creati	vity.	Jiogy I	li uesiz	311,		BTI	2
MODU	MODULE 5: Digital Design and Cultural Context (9L+0P=9)														
Analyzi	Analyzing how digital modelling tools influence and are influenced by cultural contexts														
digital design practices Exploring how digital tools can be used to preserve, reinterpret.							-5								
or challenge cultural heritage in interior design. BTL-2															
TEXT BOOKS															
1. 1. 1. 1. 1. 1. 1. 1. 1. 1.															
REFER	ENCE	BOOK	KS	J											
1	¹ "Digital Design Exercises for Architecture Students" by Jason S. Johnson														

2	Digital Drawing for Designers: A Visual Guide to AutoCAD" by Douglas R. Seidler
E BOOKS	
1.	"Universal Principles of Design" by William Lidwell, Kritina Holden, and Jill Butler
MOOC	
1.	https://www.mooc-list.com/tags/3d-modeling
2.	https://www.coursera.org/learn/introduction-to-3d-modeling

COURSE TITLE	PROJ	ECT MANAGEME	NT	CREDITS	3
COURSE	SID51230	COURSE	DE	L-T-P-S	3-0-0-

CO	DE					CAT	TEGO	RY							
Ver	rsion 1.0			Aj I	pprov Details	al	24.	24.02.2024		LEARNIN G LEVEL		BTL-3			
ASSES	SMEN	T SC	HEM	E											
First Pe Asses	eriodica sment	iodical Se nent		Period ssment	ical	So Assi F	emina ignmer Project	r/ nts/	Surprise Test / Quiz		est	Attenda	ance	ESE	
15	5%		1	5%			10%			5%		5%	•	50	%
CourseThe course enables students to identify the project management techDescriptionthe techniques of scheduling, monitoring and safety management in								echnique in interi	es and a or proje	pply ects					
Course Objecti	ve	 To identify the framework of interior projects. Describe the roles of interior designers and predict the functions of a professionals Discuss interior contract and recognize the stages of interior construction project. Apply the concept of scheduling for monitoring and control of interior project. 								of aff tion pro- r projec blan in in	ïliated cess ts nterior				
Course Outcon	ne	1. 2. 3. 4. 5. in	 Upon completion of this course, the students will be able to 1. Identify the framework of project and interior design 2. Identify interior project players and predict the functions of associated professionals 3. To complete interior contract and recognize the stages of completion process 4. Manage scheduling for monitoring and control of interior projects 5. To utilize estimating techniques and apply the quality and management plan in interior project 								onals				
Prerequisites:															
CO, PO) AND	PSO	MAP	PING											
СО	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PO -12	PSO -1	PSO -2	PSO -3
CO-1	2	2	3	2	1	-	3	-	2	2	2	-	2	-	-
CO-2	2	2	3	2	-	-	3	-	2	2	-	1	2	-	-
CO-3	2	2	3	2	-	-	3	3	2	2	-	1	2	-	-
CO-4	2	2	3	2	1	-	3	-	2	2	1	-	2	-	-

1: Weakly related, 2: Moderately related and 3: Strongly related

-

2

2

3

1

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MODULE 1: PROJECT MANAGEMENT

2

3

2

CO-5

2

(9L+0P=9)

-

-

2

1

-

Concepts of pro projects-Project	CO-1								
	BTL-2								
MODULE 2: IN	TERIOR PROJECT MANAGEMENT	(9L+0P=9)							
Interior project ty	pes- The project players, Primary, Secondary-Infrastructure management –	CO-2							
functions-	ject, project values, Scope of work,-Project programming-Project management	BTL-2							
MODULE 3: (9L+0P=9)	INTERIOR CONTRACT AND STAGES								
Public projects, Private projects, Public private partnerships -Source of information- Competitive CO-3									
documents, The p	documents, The project manual – Contract types. BTL-3								
MODULE 4: PR	ROJECT PLANNING FOR INTERIORS AND SCHEDULING	(9L+0P=9)							
Steps and stages	s of planning-Types of schedules, Gant Charts, Net work diagrams,	CO-4							
Purpose of sche Project control of	dule, Stages of schedule- Communicating and updating the schedule - cycle, Factors impacting project performance, Tracking quality, cost and	BTL-2							
MODULE 5: PR	ROJECT SAFETY & QUALITY								
((9L+0P=9)									
Estimation - Types of estimates, The estimating process – Work break down structure- CO-5									
Calculating quan	ntities-Contract administration - Defining quality, Objectives, The ns. safety as a component of quality, safety manager role.	BTL-2							
TEXT BOOKS									
1	William Ramroth , Project management for design professionals, Kaplan AEC,	2006							
1.									
2	2019								
3	Project Management for Interior Projects Mangesh Joshi, April 10, 2021								
4	4 Project Management Checklist: A Complete Guide For Exterior and Interior Construction, 978- 0-442-01072-0, Published: 30 September 2020:Editon								
5 Moder.J., C.Phillips and Davis, " Project Management with CPM ", PERT and Precedence Diagramming, Van Nostrand Reinhold Co., Third Edition, 1983.									
REFERENCE B	BOOKS								
1Chris Hendrickson and Tung Au, "Project Management for Construction - Fundamentals Concepts for Owners ", Engineers, Architects and Builders, Prentice Hall, Pittsburgh, 2000.									
2	2 Interior Design: Principles And Practice (by M. Pratap Rao)								
3	3 Willis., E.M., " Scheduling Construction projects ", John Wiley and Sons 1986.								
E BOOKS	<u> </u>								
1.	Virginia I smith ,Interior Design Project Manager - Challenges, Solutions, and 2019	Golden Rules							
MOOC									

1.	https://www.projectmanagement.com
2.	