

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI													
Scheme of Teaching and Examinations -2020													
M. ARCH. INTERIOR DESIGN (AID)													
Choice Based Credit System (CBCS) and Outcome Based Education (OBE)													
I SEMESTER													
Sl. No	Course	Course Code	Course Title	Teaching Hours per Week				Examination					Credits
				Theory / Lecture	Practical/Studio/Seminar	Skill Development Activities (SDA)/ Workshop	Total	Duration in hours	Prog/CIE Marks	Theory Marks	VIVA Marks	Total Marks	
				L	P	SDA							
1	IAC	20AID11	Interior Design Studio - I	--	9	--	9	-	40	-	60	100	9
2	IAC	20AID12	Interior Design Materials & Construction - I	2	1	1	4	-	40	-	60	100	4
3	IAC	20AID13	Theory of Aesthetics & Concepts of Design	3	--	--	3	3	40	60	--	100	3
4	IAC	20AID14	Basic Environmental Science for Interiors	3	--	--	3	3	40	60	--	100	3
5	IAS	20AID15	Furniture Design & Detailing	--	2	2	4	--	100	-	-	100	4
6	IAS	20AID16	Advanced CAD	--	--	2	2	--	100	-	-	100	2
7	IAS	20AID17	Workshop - I	--	2	--	2	--	100	-	-	100	2
<b>TOTAL</b>				<b>8</b>	<b>14</b>	<b>5</b>	<b>27</b>	<b>--</b>	<b>460</b>	<b>120</b>	<b>180</b>	<b>700</b>	<b>27</b>
<b>Note: IAC: Interior Architecture core course; IAS: Interior Architecture Supporting course</b>													
Note:-													
1 Lecture Hour = 1 Credit. 1 Studio Hours =1 Credit. 2 Workshop Hours = 1 Credit.													
2. Minimum Marks for passing: Progressive Marks 50%, Theory Marks - 40% and Viva Marks - 50%													

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**Scheme of Teaching and Examinations - 2020**  
**M. ARCH. INTERIOR DESIGN (AID)**  
**Choice Based Credit System (CBCS) and Outcome Based Education (OBE)**

**II SEMESTER**

Sl. No	Course	Course Code	Course Title	Teaching Hours per Week				Examination					Credits
				Theory / Lecture	Practical /Studio/ Seminar	Skill Development Activities (SDA)/ Workshop	Total	Duration in hours	Prog/CIE Marks	Theory Marks	VIVA Marks	Total Marks	
				L	P	SDA							
1	IAC	20AID21	Interior Design Studio - II	--	9	--	9	--	40	--	60	100	9
2	IAC	20AID22	Interior Design Materials & Construction - II	1	1	2	4	--	40	--	60	100	4
3	IAC	20AID23	Design	3	--	--	3	3	40	60	--	100	3
4	IAC	20AID24	Interiors	3	--	1	4	3	40	60	--	100	4
5	IAC	20AID25	Research Methodology and IPR	1	--	2	3	3	40	60	--	100	3
6	IAC	20AID26	Technical Seminar	--	2	--	2	--	100	--	-	100	2
7	IAE	20AID27x	Elective Subject	--	2	--	2	--	100	--	--	100	2
<b>TOTAL</b>				<b>8</b>	<b>14</b>	<b>5</b>	<b>27</b>	<b>--</b>	<b>400</b>	<b>180</b>	<b>120</b>	<b>700</b>	<b>27</b>

**Note: IAC: Interior Architecture core course; IAS: Interior Architecture Supporting course; IAE: Interior Architecture Elective**

Note:-

1 Lecture Hour = 1 Credit. 1 Studio Hours =1 Credit. 2 Workshop Hours = 1 Credit.

2. Minimum Marks for passing: Progressive Marks 50%, Theory Marks - 40% and Viva Marks - 50%

3. One Elective is Mandatory.

Code	Elective Subject
20AIA271	Interior Landscaping
20AIA272	Traditional Indian Spaces

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III SEMESTER													
Sl. No	Course	Course Code	Course Title	Teaching Hours per Week				Examination					Credits
				Theory / Lecture	Practical /Studio/ Seminar	Skill Development Activities (SDA)/ Workshop	Total	Duration in hours	Prog/CIE Marks	Theory Marks	VIVA Marks	Total Marks	
				L	P	SDA							
1	IAC	20AID31	Interior Design Studio - III	--	9	--	9	--	40	--	60	100	9
2	IAC	20AID32	Lighting design	3	--	1	4	--	100	--	--	100	4
3	IAC	20AID33	Ergonomics & Product Designing	3	1	--	4	3	40	60	--	100	4
4	IAC	20AID34	Dissertation	--	2	1	3	--	40	-	60	100	3
5	IAS	20AID35	Graphic communication & signage	2	--	--	2	3	100	--	--	100	2
6	IAE	20AID36x	Elective	2	--	--	2	--	100	--	--	100	2
7	Internship	20AID37	Internship	(Completed during the intervening vacation of I and II semesters and /or II and III semesters.)			--	--	--	--	100	100	2
<b>TOTAL</b>				<b>12</b>	<b>16</b>	<b>2</b>	<b>24</b>	<b>--</b>	<b>420</b>	<b>60</b>	<b>220</b>	<b>700</b>	<b>26</b>
<b>Note: IAC: Interior Architecture core course; IAS: Interior Architecture Supporting course; IAE: Interior Architecture Elective</b>													
Note:-													
1 Lecture Hour = 1 Credit. 1.5 Studio Hours =1 Credit. 2 Workshop Hours = 1 Credit.													
2. Minimum Marks for passing: Progressive Marks 50%, Theory Marks - 40% and Viva Marks - 50%													
3. One Elective is Mandatory.													

Code	Elective
20AIA361	Sustainable Interiors
20AIA362	Psychology & Human behaviour

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IV SEMESTER												
Sl. No	Course	Course Code	Course Title	Teaching Hours per Week			Examination					Credits
				Theory / Lecture	Practical/Studio/Seminar	Total	Duration in hours	Prog/CI E Marks	Theory Marks	VIVA Marks	Total Marks	
				L	P							
1	IAC	20AID41	Interior Design Studio - IV	--	16	16	--	40	--	60	100	16
2	IAC	20AID42	Interior project management & practice.	4	--	4	3	40	60	--	100	4
<b>TOTAL</b>				<b>4</b>	<b>16</b>	<b>20</b>	<b>--</b>	<b>80</b>	<b>60</b>	<b>60</b>	<b>200</b>	<b>20</b>
<b>Note: IAC: Interior Architecture core course</b>												
Note:-												
1 Lecture Hour = 1 Credit. 1.5 Studio Hours =1 Credit. 2 Workshop Hours = 1 Credit.												
2. Minimum Marks for passing: Progressive Marks 50%, Theory Marks - 40% and Viva Marks - 50%												

Credits	Sem
27	I
27	II
26	III
20	IV
100	Total

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI.



Scheme of Teaching and Examinations and Syllabus  
**M. ARCH. INTERIOR DESIGN (AID)**  
(Effective from Academic year 2021-22)

<b>INTERIOR DESIGN STUDIO - I</b>				
Course Code:	<b>20AID11</b>	CIE Marks	40	
Teaching Hours/Week (L:P: SDA)	0:9:0	VIVA Marks	60	
Credits	09			
<b>Course Objectives</b>				
Understand how to				
<ul style="list-style-type: none"> <li>• Evolving method of studies, analysis &amp; design process.</li> <li>• Institutional spaces &amp; Exhibition Displays</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>1. The studio will be divided into the practical and the theory part. The theory will consist of the faculty introducing and sharing various standards and other material required for the studio work.</li> <li>2. Practical aspect will involve the site visit and other case study visits by the students for better understanding.</li> <li>3. The students will also be given reference book list and other online repository portals that they can learn and refer to for the studio.</li> </ol>				
<b>Course outcomes:</b>				
At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>• Resolve complex issues in interior spaces through design language</li> <li>• Do detailed studies and analysis of design processes</li> <li>• Develop design skills for Institutional spaces &amp; exhibition displays</li> </ul>				
<b>Assessment Details (both CIE and SEE)</b>				
<b>Continuous Internal Evaluation</b>				
The CIE will be progressive marking: Each week discussion will be marked and considered for 50 + Internal Reviews for 50 + External Reviews for 50 + final Portfolio for 50. Total 200 will be then reduced to 40				
<b>Semester End Examination</b>				
Will be a VIVA for 60 marks. The VIVA VOCE examination will be conducted by one external examiner (from academics/profession) and one internal examiner for I, II and III Semesters..				
The VIVA VOCE duration will be 20 minutes each per student for I, II and III Semesters				
<b>Textbook/ Textbooks</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	Rethinking Design and Interiors: Human Beings in the Built Environment	Shashi Caan.	Laurence King Publishing	2011
(2)	Interior Design	John Pile	Pearson/Prentice Hall	2003
<b>Reference Books</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	Interior design Illustrated	Francis.D.K.Ching Corky Binggeli	Wiley	2018
(2)	Time Saver standards for Interior Design & Space Planning	Joseph de Chiara, Julius Panero and Martin Zelnik	McGraw Hill Professional	2003

INTERIOR DESIGN MATERIALS & CONSTRUCTION - I				
Course Code	20AID12	CIE Marks	40	
Teaching Hours/Week (L:P:SDA)	2:1:1	VIVA Marks	60	
Credits	04			
<b>Course Objectives</b>				
<ul style="list-style-type: none"> <li>To facilitate the understanding of the properties of materials used in interiors</li> <li>To enable a better understanding of the joineries of wood and stone</li> <li>To emphasize the need for sustainable materials and the alternative available</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>The studio will be divided into the practical and the theory part. The theory will consist of the faculty introducing the topic and its application as well as the various techniques employed in the construction process.</li> <li>Practical aspect will involve the site visits and other case study visits by the students for better understanding of the material and its practical application.</li> <li>The students will also be given reference book lists and other online repository portals that they can learn and refer to for the studio.</li> </ol>				
<b>Module-1</b>				
<b>Wood:</b> Physical properties – growth rings, knots, heart wood and sap wood. Colour, water content, structure. Hard wood and soft wood.				
<b>Module-2</b>				
Joineries – dovetail, scissor joint etc., Uses & defects of wood.				
<b>Module-3</b>				
<b>Metal:</b> Ferrous & non-ferrous metals – steel, copper, brass. Steel – material properties, types of steel, treatments, history of steel making. Copper – physical characteristics, history, applications, degradation. Brass – physical properties, corrosion resistance, history, applications.				
<b>Module-4</b>				
<b>Stone:</b> Natural & engineered stones. Granite –types of granite – based on composition, finishes. Uses of granite. Marble – composition & physical characteristics, finishes. Uses & applications of marble. Engineered stones – composition, properties. Uses & applications.				
<b>Module-5</b>				
<b>Case Study &amp; Portfolio</b>				
Consolidated study of the above material application in the form of portfolio				
<b>Course outcomes:</b>				
At the end of the course the student will be able to understand:				
<ul style="list-style-type: none"> <li>Fundamentals of materials used for interior Architecture and techniques of construction.</li> <li>Sustainable practices and alternatives for the materials and the joinery process.</li> </ul>				
<b>Assessment Details (both CIE and SEE)</b>				
<b>Continuous Internal Evaluation</b>				
The CIE will be progressive marking: Each Plate will be marked for 10 [80 total] + Viva (for every CIA) 50 + Case Study Presentation 20 + final Portfolio for 50. Total 200 will be then reduced to <b>40 marks</b>				
<b>Semester End Examination</b>				
Will be a VIVA for <b>60 marks</b> . The VIVA VOCE examination will be conducted by one external examiner (from academics/profession) and one internal examiner for I, II and III Semesters. The VIVA VOCE duration will be 15 minutes each per student for I, II and III Semesters				
<b>Textbook/ Textbooks</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	Construction materials for interior design	William Rupp, Arnold Friedmann, Philip F. Farrell	Whitney Library of Design	1989, Digitized 2007
<b>Reference Books</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year

(1)	Modern projects in wood, metal, & plastics	Patrick E. Spielman	Bruce Publishing Company	1964. Digitized 2010
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<b>THEORY OF AESTHETICS &amp; CONCEPTS OF DESIGN</b>			
Course Code	<b>20AID13</b>	CIE Marks	40
Teaching Hours/Week (L:P:SDA)	3:0:0	SEE Marks	60
Credits	03	Exam Hours	03
<b>Course Objectives</b>			
<ul style="list-style-type: none"> <li>To facilitate the understanding of evolution of aesthetics through history</li> <li>To enable a better understanding of use of critical judgement in design</li> <li>To introduce colour and the principles of design and their application</li> </ul>			
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>			
<ol style="list-style-type: none"> <li>The pedagogy will focus on aesthetics as a common thread that will combine ornamentation, colour, cognition and the principles of design together</li> <li>Both Indian and Western examples will be used to explain these concepts</li> <li>Use of visuals, video and audio will be used to augment the teaching process</li> </ol> Seminars and talks from the leading experts in the field will be planned for relevant topics			
<b>Module-1</b>			
<b>Introduction To Aesthetics</b>			
History of aesthetics – Greek, Indian, African, Arab & Western medieval aesthetics. Modern aesthetics – AG Baungarten, Fredrick Wilhelm, Joseph, Schelling, Adolf Loos Aesthetic realism. Aesthetics & science.			
<b>Module-2</b>			
Introduction to the western aesthetics & Indian Aesthetics relating to the spaces, surfaces and interior designing with aesthetics. Study of relation between the traditions of architecture & aesthetics.			
<b>Module-3</b>			
<b>Critical Judgement &amp; Cognitive Learning</b>			
Understanding the concept of critical judgment. Design related cognitive learning			
<b>Module-4</b>			
<b>Advanced Study on Colour</b>			
Physics of colour, spectral colours, colour of objects. Perception. Theories of colour – Trichromatic theory. Additive & Subtractive colours. Traditional colour theories, colour wheel, RYB colour model, Warm & cool colours, tint and shades, colour harmony. Psychology of colour, Colour & mood, Principles of colour psychology, brand meaning.			
<b>Module-5</b>			
<b>Space &amp; Form</b>			
Principles of design – Unity, harmony, balance, hierarchy, scale & proportion, emphasis, similarity & contrast. Line, colour, shape, texture, space, form, material.			
<b>Course outcomes:</b>			
At the end of the course the student will be able to:			
Understand different theories of aesthetics & concepts of Design.			
Use of colour and the sustainable ways of using colour for better design outcome			
<b>Assessment Details (both CIE and SEE)</b>			
<b>CIE:</b> The CIE will be based on Internal Tests and Assignments.			
Internal tests:			
<ul style="list-style-type: none"> <li>One test of 50 marks will be conducted for Every CIA cycle. Total 3 tests per semester.</li> <li>One Assignment for 20 marks or two assignments for 10 marks each will be considered for each CIA cycle.</li> <li>Assignments will consist of Sketches for 10 marks and written answers for 10 marks. It can also be 10 marks for Quiz and 10 marks for seminar presentation.</li> <li>Any combination of the above will be considered for the 20 marks component.</li> <li>The total of 50+20 =70 will be reduced to 40</li> </ul>			
<b>SEE:</b> Will be a written exam for 100 marks reduced to 60.			



<b>Question paper pattern:</b> The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 60.				
<ul style="list-style-type: none"> <li>• The question paper will have ten full questions carrying equal marks.</li> <li>• Each full question is for 20 marks.</li> <li>• There will be two full questions (with a maximum of four sub questions) from each module.</li> <li>• The students will have to answer five full questions, selecting one full question from each module.</li> </ul>				
<b>Textbook/ Textbooks</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	Interior Color by Design A Design Tool for Architects, Interior Designers, and Homeowners	Jonathan Poore, Sandra L. Ragan	Rockport Publishers	1994
(2)	Lighting Spaces No 2	Roger Yee	Visual Reference Publications, Inc	2008
<b>Reference Books</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	The Fundamentals of Interior Architecture	John Coles, Naomi House	Bloomsbury Academic	2007
(2)	Essay: White Walls, Designer Dresses: The Fashioning of Modern Architecture	Mark Wigley	MIT Press	2001
(3)	Colour Harmony	Bride M Whelan	Rockport Publishers	1994
(4)	Essay: Spoken into void: The principles of cladding	Adolf Loos	Collected Essays	1897 – 1900
(5)	Essay: A Wall of Books: The Gender of Natural Colours in Modern	William W. Braham.		2003
(6)	Essay: Sexuality and space: The split wall: Domestic Voyeurism	Beatriz Colomina	Princeton Architectural Press	1992

<b>BASIC ENVIRONMENTAL SCIENCE FOR INTERIORS</b>			
Course Code	<b>20AID14</b>	CIE Marks	40
Teaching Hours/Week (L:P:SDA)	3:0:0	SEE Marks	60
Credits	03	Exam Hours	03
<b>Course Objectives</b>			
<ul style="list-style-type: none"> <li>• To facilitate the understanding of thermal comfort in building interiors</li> <li>• To enable a better understanding of lighting and types of fixtures and forms of lighting</li> <li>• To introduce fundamentals of acoustics and the various acoustical materials</li> </ul>			
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>			
<ol style="list-style-type: none"> <li>1. The pedagogy will focus on both theory and practical aspects of the subject</li> <li>2. Use of instruments and software along with site visits to understand the concepts</li> <li>3. Use of visuals, video and audio will be used to augment the teaching process</li> </ol> Seminars and talks from the leading experts in the field will be planned for relevant topics			
<b>Module-1</b>			
<b>Thermal Comfort</b>			
Thermal comfort in interior spaces, comfort zone, thermal neutrality, thermal indices – metabolic rate, clothing insulation, air temperature, mean radiant temperature, air speed, relative humidity, predicted mean vote (PMV).			

<b>Module-2</b>				
Significance of thermal comfort, sick building syndrome, indoor air quality. Factors influencing thermal comfort, operative temperature. Thermal comfort models – Elevated air speed method, Local thermal discomfort, adaptive comfort model. Thermoregulation – physiological, behavioural. Effects of natural ventilation on thermal comfort. Thermal comfort in different regions. Thermal stress.				
<b>Module-3</b>				
<b>Lighting</b> History of lighting, Light fixtures – types and characteristics. Types of lighting – task, accent & general lighting and its methods. Forms of lighting – indoor & outdoor. Lamps – ballast, fluorescent, halogen, neon, LED & CFL.				
<b>Module-4</b>				
Photometric studies. On stage & set lighting. Photometry – Illuminance, Luminance, Lux. Colour properties – colour temperature, colour rendering index.				
<b>Module-5</b>				
<b>Acoustics</b> History of acoustics, fundamental concepts of acoustics, sound propagation, frequency, transduction in acoustics. Acoustic material, properties and sound absorbents.				
<b>Course outcomes:</b> At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>Understand fundamentals of Thermal comfort, Lighting &amp; Acoustics.</li> </ul>				
<b>Assessment Details (both CIE and SEE)</b>				
<b>CIE:</b> The CIE will be based on Internal Tests and Assignments.				
Internal tests:				
<ul style="list-style-type: none"> <li>One test of 50 marks will be conducted for Every CIA cycle. Total 3 tests per semester.</li> <li>One Assignment for 20 marks or two assignments for 10 marks each will be considered for each CIA cycle.</li> <li>Assignments can consist of Sketches for 10 marks and written answers for 10 marks. It can also be 10 marks for Quiz and 10 marks for seminar presentation.</li> <li>Any combination of the above will be considered for the 20 marks component.</li> <li>The total of 50+20 =70 will be reduced to 40</li> </ul>				
<b>SEE:</b> Will be a written exam for 100 marks reduced to 60.				
<b>Question paper pattern:</b>				
The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 60.				
<ul style="list-style-type: none"> <li>The question paper will have ten full questions carrying equal marks.</li> <li>Each full question is for 20 marks.</li> <li>There will be two full questions (with a maximum of four sub questions) from each module</li> </ul>				
<b>Textbook/ Textbooks</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	Building Systems: Design Technology and Society	Kiel Moe, Ryan.E.Smith	Routledge	2012
(2)	Fundamentals of Lighting	Susan M. Winchip	Bloomsbury Academic	2nd Edition
<b>Reference Books</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	Handbook of Acoustics	Malcolm J. Crocker	Wiley	1998
(2)	The Theory of Sound,	J. W. S. Rayleigh	Dover Publications	2013, Volume One: Unabridged Second
(3)	Theoretical Acoustics	Philip McCord Morse	Princeton University Press	1968

<b>FURNITURE DESIGN &amp; DETAILING</b>				
Course Code:	<b>20AID15</b>	CIE Marks:	100	
Teaching Hours/Week (L:P:SDA):	0:2:2	VIVA Marks:		
Credits : 04				
<b>Course Objectives</b>				
<ul style="list-style-type: none"> <li>To facilitate the understanding the concepts of furniture design</li> <li>To enable a better understanding of use of critical judgement in furniture design and detailing</li> <li>To introduce different materials and their applications for various types of furniture</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>The pedagogy will focus on both the theoretical and practical aspects of furniture design</li> <li>Factory visits to understand the process of manufacturing furniture</li> <li>Seminars and talks from the leading experts in the field will be planned for relevant topics</li> </ol>				
Visit to leading brand showrooms/studios to understand the anthropometry and current market trends				
<b>Module-1</b>				
<b>History &amp; Concepts Of Furniture Design</b>				
History of furniture from early days to industrial revolution. Study of various styles, systems & products available in the market.				
<b>Module-2</b>				
<b>Theory Of Furniture Design &amp; Design Parameters</b>				
Descriptive & normative theories, intensive studies of furniture, theory of manufacturing and usability, beauty and aesthetics of furniture, semiotics of furniture, aesthetics of furniture.				
<b>Module-3</b>				
<b>Materials In Furniture Design</b>				
Bentwood, tubular steel, plywood, chipboard, plastics, paper. Its properties, applications and designers who patronized them.				
<b>Module-4</b>				
<b>Trends In Furniture Design</b>				
Marcel Bruer, Harry Bertoia, Mario Bellini, Achille Castiglioni, Antonio Citterio, John Cobb, JoeColombo, Ray & Charles Eames, Tom Dixon, Gio Ponti, Arne Jacobsen				
<b>Module-5</b>				
Florence Knoll, Ross Lovegrove, Mackintosh, Enzo Mari, Verner Panton, Jean Provue, Patricia Urquiola, Philippe Starck, Karim Rashid.				
<b>Course outcomes:</b>				
At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>Learn practical aspects of furniture design &amp; detailing.</li> </ul>				
<b>Assessment Details (Only CIE)</b>				
<b>Continuous Internal Evaluation:</b>				
Each week discussion will be marked and considered for 50 + Internal Reviews for 50 + External Reviews for 50+ Final Portfolio for 50. Total 200 will be then reduced to 100				
<b>Textbook/ Textbooks</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	Furnish – Furniture & Interior Design for the 21st Century	Birga Meyer, Robert Klanten, Sophie Lovell	Prestel Publications	2007, Digitized 2011
(2)	Product design	Tucker Veimeistu	PBC intl	1994

ADVANCED CAD				
Course Code	20AID16		CIE Marks	100
Teaching Hours/Week (L:P:SDA)	0:0:2		SEE Marks	-
Credits	02			
<b>Course Objectives</b>				
<ul style="list-style-type: none"> <li>To facilitate the understanding the concepts of Computer Aided Design</li> <li>To enable learning of software skills</li> <li>To introduce the latest software</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>The pedagogy will focus on rigorous practice of software skills through exercises and applications of the software learnt in other subjects like the design studio and the furniture design studio.</li> <li>Workshops from the leading experts in the field will be planned for relevant topics</li> </ol>				
<b>Module-1</b>				
<b>3D Modelling</b>				
3D Modelling using Revit, auto cad. Wire frame, surface & solid modelling.				
<b>Module-2</b>				
<b>Rendering</b>				
Rendering using 3DSMax & Presentation Techniques				
<b>Module-3</b>				
<b>Walkthrough</b>				
Presentation through still images & walkthrough				
<b>Module-4</b>				
<b>Graphics</b>				
Adobe Photoshop & Illustrator for graphic design & corrections, Aldus Photostyle, Adobe premiere sound forge, Director & razor pro for A-V Editing Alternative software – Accu render, Artisan, Spotlight ray tracer.				
<b>Module-5</b>				
<b>Simulation Software</b>				
Light scape; CATIA Eco Software.				
<b>Course outcomes:</b>				
At the end of the course the student will be able to: Understand advanced CAD skills.				
<b>Assessment Details (CIE only)</b>				
<b>Continuous Internal Evaluation:</b> The CIE will be based on Internal Tests and Assignments.				
Internal tests:				
<ul style="list-style-type: none"> <li>One test of 50 marks will be conducted for Every CIA cycle. Total 3 tests per semester.</li> <li>One Assignment for 20 marks or two assignments for 10 marks each will be considered for each CIA cycle.</li> <li>Assignments will consist of 10 marks for Quiz and 10 marks for seminar presentation or 10 marks for each submission of the exercises given.</li> <li>Any combination of the above will be considered for the 20 marks component.</li> <li>The total of 50+20 =70 will be converted to 100</li> </ul>				
<b>Textbook/ Textbooks</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	Mastering Autodesk Revit Architecture 2013	Phil Read, James Vandezande , Eddy Krygiel	Wiley Publishing	2012
(2)	Interior Design Visual Presentation: A Guide to Graphics, Models and Presentation	Maureen Mitton	Wiley Publishing	2018

<b>WORKSHOP - I</b>				
Course Code	<b>20AID17</b>	CIE Marks	100	
Teaching Hours/Week (L:P:SDA)	0:2:0	SEE Marks	-	
Credits	02			
<b>Course Objectives</b>				
<ul style="list-style-type: none"> <li>To facilitate the understanding the concepts of Carpentry</li> <li>To enable learning of wood joinery and detailing</li> <li>To introduce cane as a sustainable material</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>The pedagogy will focus on rigorous practice of working with wood</li> <li>Workshops from the leading experts in the field will be planned for relevant topics</li> <li>Visit to sites and factories to understand how products are detailed and finished</li> </ol>				
<b>Module-1</b>				
<b>Wood &amp; Joinery</b>				
Working with wood & wood products to understand material parameters. Wood Joinery Details.				
<b>Module-2</b>				
<b>Carpentry Finishes</b>				
Application of veneer / laminates on different timber surfaces				
<b>Module-3</b>				
Wood polishing, painting and other finishes				
<b>Module-4</b>				
<b>Ornamental Detailing</b>				
Engraving & carving				
<b>Module-5</b>				
<b>Cane</b>				
Types of cane & its properties – joinery & its finishes Colour & surface quality				
<b>Course outcomes:</b>				
At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>Develop skills for: Wood Joinery Details.</li> <li>Carpentry finishes.</li> <li>Ornamental detailing and cane work.</li> </ul>				
<b>Assessment Details (CIE only)</b>				
<b>Continuous Internal Evaluation:</b> The CIE will be based on Internal assessment				
The students will be assessed on the completion of the exercises given in the workshop.				
Each exercise will be marked for 10				
Market surveys will also be assessed for 10 marks				
The final marking will be for <b>100</b>				
<b>Reference Books</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	Workshop Idea Book (Taunton Woodworking)	Andy Rae	Taunton Press	2007
(2)	The Complete Book of Wood Joinery	R. J. De Cristoforo	Sterling Publishers	1997
(3)	Metal Craft Discovery Workshop	Linda O'Brien, Opie O'Brien	Northlight Publishers	2005

\*\*\* END OF I SEMESTER \*\*\*

INTERIOR DESIGN STUDIO II				
Course Code	20AID21	CIE Marks	40	
Teaching Hours/Week (L:P:SDA)	0:9:0	VIVA Marks	60	
Credits	09			
<b>Course Objective</b>				
<ul style="list-style-type: none"> <li>Resolving complex issues in interior spaces through design language</li> <li>Evolving method of studies, analysis &amp; design process.</li> <li>Commercial spaces. Barrier free interiors. Interiors for children or the elderly.</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>The studio will be divided into the practical and the theory part. The theory will consist of the faculty introducing and sharing various standards and other material required for the studio work.</li> <li>Practical aspect will involve the site visit and other case study visits by the students for better understanding.</li> <li>The students will also be given reference book list and other online repository portals that they can learn and refer to for the studio.</li> </ol>				
<b>Course outcomes:</b>				
At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>Develop design skills for Commercial spaces &amp; barrier free design.</li> <li>Develop design skills with respect to anthropometry of the young and the elderly</li> </ul>				
<b>Assessment Details (both CIE and SEE)</b>				
<b>Continuous Internal Evaluation:</b> The CIE will be progressive marking:				
Each week discussion will be marked and considered for 50 + Internal Reviews for 50 + External Reviews for 50 + Final Portfolio for 50. Total 200 will be then reduced to 40				
<b>Semester End Examination:</b>				
Will be a VIVA for <b>60 marks</b> .				
The VIVA VOCE examination will be conducted by one external examiner (from academics/profession) and one internal examiner for I, II and III Semesters. The VIVA VOCE duration will be 15 minutes each per student for I, II and III Semesters				
<b>Textbook/ Textbooks</b>				
Sl	Title of the Book	Name of the	Name of the Publisher	Edition and
(1)	The Fundamentals of Interior Architecture	John Coles, Naomi House	Bloomsbury Publishers	2007
(2)	Interior Design	John Pile	Pearson/Prentice Hall	2003
<b>Reference Books</b>				
Sl	Title of the Book	Name of the	Name of the Publisher	Edition and
(1)	Interior design Illustrated	Francis.D.K.Ching Corky Binggeli	Wiley	2018
(2)	Time Saver standards for Interior Design & Space Planning	Joseph de Chiara, Julius Panero and Martin Zelnik	McGraw Hill Professional	2003

<b>INTERIOR DESIGN MATERIALS &amp; CONSTRUCTION – II</b>				
Course Code	<b>20AID22</b>	CIE Marks	40	
Teaching Hours/Week (L:P:SDA)	1:1:2	VIVA Marks	60	
Credits	04			
<b>Course Objectives</b>				
<ul style="list-style-type: none"> <li>To facilitate the understanding of the properties of materials used in interiors</li> <li>To enable a better understanding of the applications of glass, plastics and textiles in interiors</li> <li>To emphasize the need for sustainable finishes and the alternatives available</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>The studio will be divided into the practical and the theory part. The theory will consist of the faculty introducing the topic and its application as well as the various techniques employed in the construction process.</li> <li>Practical aspect will involve the site visits and other case study visits by the students for better understanding of the material and its practical application The students will also be given reference book lists and other online repository portals that they can learn and refer to for the studio.</li> </ol>				
<b>Module-1</b>				
<b>Glass</b>				
Types of Glass, ingredients, properties & application. Stained glass. Glass in Green Buildings.				
<b>Module-2</b>				
<b>Plastics</b>				
History, types of plastics. Polystyrene, Nylon, Rubber and its properties. Environmental effects of plastics. Recycling of plastic. Common plastics and its uses. Types of moulding plastics – blow moulding, extrusion moulding, injection moulding.				
<b>Module-3</b>				
<b>Textiles</b>				
Role of textiles in interior design. Properties and applications.				
<b>Module-4</b>				
<b>Materials for finishes</b>				
Miscellaneous materials such as linoleum, asphalt, cork, rubber				
<b>Module-5</b>				
Leather, paper, rexine, paints & varnishes, laminates & veneers.				
<b>Course outcomes:</b>				
At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>Learn about different materials and understand construction processes and joinery details.</li> <li>Understand and analyse the suitability of various materials and their finishes for different interior applications</li> </ul>				
<b>Assessment Details (both CIE and SEE)</b>				
<b>Continuous Internal Evaluation:</b> The CIE will be progressive marking: Each Plate will be marked for 10 [80 total] + Viva (for every CIA) 50 + Case Study Presentation 20 + final Portfolio for 50. Total 200 will be then reduced to <b>40 marks</b>				
<b>Semester End Examination:</b>				
The VIVA will be conducted for <b>60 marks</b> . The VIVA VOCE examination will be conducted by one external examiner (from academics/profession) and one internal examiner for I, II and III Semesters. The VIVA VOCE duration will be 15 minutes each per student for I, II and III Semesters.				
<b>Textbook/ Textbooks</b>				
<b>Sl No</b>	<b>Title of the Book</b>	<b>Name of the</b>	<b>Name of the</b>	<b>Edition and</b>

(1)	Construction materials for interior design: principles of structure and properties of materials	William Rupp, Arnold Friedmann, Philip F. Farrell	Whitney Library of Design	1989
(2)	Inside: interiors of colour, fabric, glass, light.	Sibylle Kramer, Iris van Hülst.	Braun Publishing	2007

<b>HISTORY &amp; THEORY OF INTERIOR DESIGN</b>			
Course Code	<b>20AID23</b>	CIE Marks	40
Teaching Hours/Week (L:P:SDA)	3:0:0	SEE Marks	60
Credits	03	Exam Hours	03
<b>Course Objectives</b>			
<ul style="list-style-type: none"> <li>To facilitate the understanding of evolution of various styles of interior design and design movements</li> <li>To enable a better understanding of Indian design aesthetics</li> <li>To introduce adaptive reuse in modern interiors</li> </ul>			
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>			
<ol style="list-style-type: none"> <li>The pedagogy will focus on understanding the vocabulary and glossary of design and aesthetics</li> <li>Examples and case studies of various buildings to understand different movements and styles</li> <li>Use of visuals, video and audio will be used to augment the teaching process</li> <li>Seminars and talks from the leading experts in the field will be planned for relevant topics</li> </ol>			
<b>Module-1</b>			
<b>Understanding Styles &amp; Theories Of Interior Design</b>			
Categorizing design into key elements, including space, light, display, storage, and offering new terminology to describe each area. A design approach that brings vitality and clear communication to a misunderstood and often free-wheeling design discipline.			
<b>Module-2</b>			
<b>Universal Design Movements</b>			
Landmark events in the history of international design movement historical development of artifact overview of major styles like Regency, Colonial, Romanticism, Art Nouveau, Eclecticism, Art Deco, Cubism, Modernism, Late Modernism, Post Modernism & Deconstructivism.			
<b>Module-3</b>			
<b>Modern Design Movements in India</b>			
Industrialization changes in technology and production systems impact on lifestyle & interiors Modern movement & its impact in India Shift from historical to modern methods of building spaces, change in the interior elements of design Elements of Interior Design			
<b>Module-4</b>			
<b>Indian Styles In Interior Design</b>			
Indian Elements of space making – Concepts of Traditional symbols and spatial organization. Creative and ethnic approaches to interior elements and its adaptations in the Contemporary design methods.			
<b>Module-5</b>			
The adaptive re-use of Architectural Built forms for the modern Interiors.			
<b>Course outcomes:</b>			
At the end of the course the student will be able to:			
<ul style="list-style-type: none"> <li>Learn about historical development of Interior design and different theories.</li> <li>Application of Indian aesthetics in modern design</li> <li>Apply and adapt historical built forms to modern interiors</li> </ul>			
<b>Assessment Details (both CIE and SEE)</b>			
<b>Continuous Internal Examination :</b> The CIE will be based on Internal Tests and Assignments.			
Internal tests:			
<ul style="list-style-type: none"> <li>One test of 50 marks will be conducted for Every CIA cycle. Total 3 tests per semester.</li> <li>One Assignment for 20 marks or two assignments for 10 marks each will be considered for each</li> </ul>			



<p>CIA cycle.</p> <ul style="list-style-type: none"> <li>• Assignments will consist of Sketches for 10 marks and written answers for 10 marks. It can also be 10 marks for Quiz and 10 marks for seminar presentation.</li> <li>• Any combination of the above will be considered for the 20 marks component.</li> <li>• The total of 50+20 =70 will be reduced to 40</li> </ul> <p><b>Semester End Examination:</b> Will be a written exam for 100 marks reduced to 60.</p> <p><b>Question paper pattern:</b> The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 60.</p> <ul style="list-style-type: none"> <li>• The question paper will have ten full questions carrying equal marks.</li> <li>• Each full question is for 20 marks.</li> <li>• There will be two full questions (with a maximum of four sub questions) from each module.</li> </ul> <p>The students will have to answer five full questions, selecting one full question from each module</p>				
<b>Textbook/ Textbooks</b>				
<b>Sl</b>	<b>Title of the Book</b>	<b>Name of the</b>	<b>Name of the</b>	<b>Edition and</b>
(1)	A History of Interior Design	John Pile	Laurence King Publishing	2005
(2)	Interior design Illustrated	Francis.D.K.Ching	Wiley	2018
<b>Reference Books</b>				
(1)	History of Interior Design	John Wiley	Wiley Publications	2nd edition – 2004
(2)	Handbook of Human Factors & Ergonomics	Gavriel Salvendy	John Wiley & Sons	2012
(3)	Design in Architecture – Architecture & the human sciences	Geoffrey Broadbent	John Wiley & Sons	New York , 1981
(4)	Developments in Design	Nigel Cross	John Wiley & Sons	1984

<b>BUILDING SERVICE SYSTEMS FOR INTERIORS</b>			
Course Code	<b>20AID24</b>	CIE Marks	40
Teaching Hours/Week (L:P:SDA)	3:0:1	SEE Marks	60
Credits	04	Exam Hours	03
<b>Course Objectives</b>			
<ul style="list-style-type: none"> <li>• To facilitate the understanding of all building services</li> <li>• To enable a better understanding of HVAC and other air conditioning and distribution systems</li> <li>• To introduce NBC regulations for all building services</li> </ul>			
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>			
<ol style="list-style-type: none"> <li>1. The pedagogy will focus on the need for integration of services into interior design.</li> <li>2. Site visits to understand plumbing and electrical layouts and laying</li> <li>3. Use of visuals, video and audio will be used to augment the teaching process</li> <li>4. Seminars and talks from the leading experts in the field will be planned for relevant topics</li> </ol>			
<b>Module-1</b>			
<b>Water Supply &amp; Sanitation</b>			
Comprehensibility of all the building services - water supply, plumbing - implications on interior Layout			
<b>Module-2</b>			
<b>HVAC</b>			
HVAC, Air Conditioning methods & equipment - Air distribution system - Calculation of Ac loads			
<b>Module-3</b>			
<b>Regulations Of Safety &amp; Services</b>			
Regulations of NBC for all the services mentioned,			

<b>Module-4</b>				
<b>Fire Fighting Systems</b>				
Introduction: Classification of fire, causes & hazards; Grading of structural elements for its fire resistance as per NBC. Classification of building types as per NBC and brief description of characteristics of combustible and non-combustible materials.				
Concepts in passive fire protection in buildings: Escape routes, fire driveways, fire refuge area, fire assembly areas, pressurization, travel distance, fire tower and compartmentation, fire signages etc.				
<b>Module-5</b>				
<b>Building Services And Design Solutions</b>				
Understanding all services & their components - studio work for proposals with emphasis to above services for small as well as large scale projects				
<b>Course outcomes:</b>				
At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>• Understand building services for interior architecture.</li> <li>• Understand the regulations for services and how to read NBC</li> </ul>				
<b>Assessment Details (both CIE and SEE)</b>				
<b>Continuous Internal Evaluation:</b> The CIE will be based on Internal Tests and Assignments.				
Internal tests:				
<ul style="list-style-type: none"> <li>• One test of 50 marks will be conducted for Every CIA cycle. Total 3 tests per semester.</li> <li>• One Assignment for 20 marks or two assignments for 10 marks each will be considered for each CIA cycle.</li> <li>• Assignments will consist of Sketches for 10 marks and written answers for 10 marks. It can also be 10 marks for Quiz and 10 marks for seminar presentation.</li> <li>• Any combination of the above will be considered for the 20 marks component.</li> <li>• The total of 50+20 =70 will be reduced to 40</li> </ul>				
<b>Semester End Examination:</b> Will be a written exam for 100 marks reduced to 60.				
<b>Question paper pattern:</b>				
The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 60.				
<ul style="list-style-type: none"> <li>• The question paper will have ten full questions carrying equal marks.</li> <li>• Each full question is for 20 marks.</li> <li>• There will be two full questions (with a maximum of four sub questions) from each module.</li> </ul>				
The students will have to answer five full questions, selecting one full question from each module				
<b>Textbook/ Textbooks</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	Managing Water Supply and Sanitation in Emergencies (Oxfam Skills and Practice Series)	John Adams	Oxfam	1999
(2)	Building Services Handbook	Fred Hall and Roger Greeno	Routledge	2017
<b>Reference Books</b>				
(1)	HVAC Design Sourcebook	W. Larsen Angel	McGraw-Hill Education	2011

<b>RESEARCH METHODOLOGY AND IPR</b>			
Course Code	<b>20AID25</b>	CIE Marks	40
Teaching Hours/Week (L:P:SDA)	1:0:2	SEE Marks	60
Credits	03	Exam Hours	03
<b>Course Objectives</b>			
<ul style="list-style-type: none"> <li>• To understand research methodology and the techniques of defining a research problem</li> <li>• To enable a better understanding of various data collecting techniques</li> <li>• To introduce IPR and the various related regulations in India</li> </ul>			
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>			
<ol style="list-style-type: none"> <li>1. The pedagogy will focus on introducing the students to a research mindset</li> <li>2. Examples of various paper writing and research methodologies will be shown</li> <li>3. Use of visuals, video and audio will be used to augment the teaching process</li> <li>4. Workshops and talks from the leading experts in the field will be planned for relevant topics</li> </ol>			
<b>Module-1</b>			
<p><b>Research Methodology:</b> Introduction, Meaning of Research, Objectives of Research, Motivation in Research, Types of Research, Research Approaches, Significance of Research, Research Methods versus Methodology, Research and Scientific Method, Importance of Knowing How Research is Done, Research Process, Criteria of Good Research, and Problems Encountered by Researchers in India.</p> <p><b>Defining the Research Problem:</b> Research Problem, Selecting the Problem, Necessity of Defining the Problem, Technique Involved in Defining a Problem, An Illustration.</p>			
<b>Module-2</b>			
<p><b>Reviewing the literature:</b> Place of the literature review in research, bringing clarity and focus to your research problem, improving research methodology, broadening knowledge base in research area, enabling contextual findings, how to review the literature, searching the existing literature, reviewing the selected literature, developing a theoretical framework, developing a conceptual framework, writing about the literature reviewed.</p> <p><b>Research Design:</b> Meaning of Research Design, Need for Research Design, features of a Good Design, Important Concepts Relating to Research Design, Different Research Designs, Basic Principles of</p>			
<b>Module-3</b>			
<p><b>Design of Sampling:</b> Introduction, Sample Design, Sampling and Non-sampling Errors, Sample Survey versus Census Survey, Types of Sampling Designs.</p> <p><b>Measurement and Scaling:</b> Qualitative and Quantitative Data, Classifications of Measurement Scales, Goodness of Measurement Scales, Sources of Error in Measurement Tools, Scaling, Scale Classification Bases, Scaling Technics, Multidimensional Scaling, Deciding the Scale.</p> <p><b>Data Collection:</b> Experimental and Surveys, Collection of Primary Data, Collection of Secondary Data, Selection of Appropriate Method for Data Collection, Case Study Method.</p>			
<b>Module-4</b>			
<p><b>Testing of Hypotheses:</b> Hypothesis, Basic Concepts Concerning Testing of Hypotheses, Testing of Hypothesis, Test Statistics and Critical Region, Critical Value and Decision Rule, Procedure for Hypothesis Testing, Hypothesis Testing for Mean, Proportion, Variance, for Difference of Two Mean, for Difference of Two Proportions, for Difference of Two Variances, P-Value approach, Power of Test, Limitations of the Tests of Hypothesis.</p> <p><b>Chi-square Test:</b> Test of Difference of more than Two Proportions, Test of Independence of Attributes, Test of Goodness of Fit, Cautions in Using Chi Square Tests.</p>			
<b>Module-5</b>			
<p><b>Interpretation and Report Writing:</b> Meaning of Interpretation, Technique of Interpretation, Precaution in Interpretation, Significance of Report Writing, Different Steps in Writing Report, Layout of the Research Report, Types of Reports, Oral Presentation, Mechanics of Writing a Research Report, Precautions for Writing Research Reports.</p> <p><b>Intellectual Property:</b> The Concept, Intellectual Property System in India, Development of TRIPS Complied Regime in India, Patents Act, 1970, Trade Mark Act, 1999, The Designs Act, 2000, The Geographical Indications of Goods (Registration and Protection) Act 1999, Copyright Act, 1957, The Protection of Plant Varieties and Farmers' Rights Act, 2001, The Semi-Conductor Integrated Circuits Layout Design Act, 2000, Trade Secrets, Utility Models, IPR and Biodiversity, The Convention on Biological Diversity (CBD) 1992, Competing Rationales for Protection of IPRs, Leading International Instruments Concerning IPR, World Intellectual Property Organisation (WIPO), WIPO and WTO, Paris Convention for the Protection of Industrial Property, National Treatment, Right of Priority, Common</p>			

Rules, Patents, Marks, Industrial Designs, Trade Names, Indications of Source, Unfair Competition, Patent Cooperation Treaty (PCT), Advantages of PCT Filing, Berne Convention for the Protection of Literary and Artistic Works, Basic Principles, Duration of Protection, Trade Related Aspects of Intellectual Property Rights (TRIPS) Agreement, Covered under TRIPS Agreement, Features of the Agreement, Protection of Intellectual Property under TRIPS, Copyright and Related Rights, Trademarks, Geographical indications, Industrial Designs, Patents, Patentable Subject Matter, Rights Conferred, Exceptions, Term of protection, Conditions on Patent Applicants, Process Patents, Other Use without Authorization of the Right Holder, Layout-Designs of Integrated Circuits, Protection of Undisclosed Information, Enforcement of Intellectual Property Rights, UNSECO.

**Course outcomes:**

At the end of the course the student will be able to:

- Discuss research methodology and the technique of defining a research problem
- Explain the functions of the literature review in research, carrying out a literature search, developing theoretical and conceptual frameworks and writing a review.
- Explain various research designs, sampling designs, measurement and scaling techniques and also different methods of data collections.
- Explain several parametric tests of hypotheses, Chi-square test, art of interpretation and writing research reports
- Discuss various forms of the intellectual property, its relevance and business impact in the changing global business environment and leading International Instruments concerning IPR.

**Assessment Details (both CIE and SEE)**

**Continuous Internal Evaluation:** The CIE will be based on Internal Tests and Assignments.

Internal tests:

- One test of 50 marks will be conducted for Every CIA cycle. Total 3 tests per semester.
- One Assignment for 20 marks or two assignments for 10 marks each will be considered for each CIA cycle.
- Assignments will consist of Sketches for 10 marks and written answers for 10 marks. It can also be 10 marks for Quiz and 10 marks for seminar presentation.
- Any combination of the above will be considered for the 20 marks component.
- The total of 50+20 =70 will be reduced to 40

**Semester End Examination:** Will be a written exam for 100 marks reduced to 60.

**Question paper pattern:**

The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 60.

- The question paper will have ten full questions carrying equal marks.
- Each full question is for 20 marks.
- There will be two full questions (with a maximum of four sub questions) from each module.

The students will have to answer five full questions, selecting one full question from each module

**Textbooks**

Sl	Title of the Book	Name of the	Name of the	Edition and
(1)	Research Methodology:	C.R. Kothari, Gaurav	New Age	4 <sup>th</sup> Edition,
(2)	Research Methodology a step-by-step guide for beginners.	Ranjit Kumar,	SAGE Publications	3 <sup>rd</sup> Edition, 2011

**Reference Books**

Sl	Title of the Book	Name of the	Name of the	Edition and
(1)	Research Methods: the concise knowledge base	Trochim	Atomic Dog Publishing	2005
(2)	Conducting Research Literature Reviews: From the Internet to Paper	Fink A	Sage Publications	2009

<b>TECHNICAL SEMINAR</b>			
Course Code	<b>20AID26</b>	CIE Marks	100
Number of contact Hours/week	0:2:0	SEE Marks	--
Credits	02		
<p><b>Course objectives:</b>            The objective of the seminar is to inculcate self-learning, face audience confidently, enhance communication skill, involve in group discussion and present and exchange ideas.            Each student, under the guidance of a faculty, is required to</p> <ul style="list-style-type: none"> <li>• Choose, preferably through peer reviewed journals, a recent topic of his/her interest relevant to the Course of Specialization.</li> <li>• Carryout literature survey, organize the Course topics in a systematic order.</li> <li>• Prepare the report with own sentences.</li> <li>• Type the matter to acquaint with the use of Micro-soft equation and drawing tools or any such facilities.</li> <li>• Present the seminar topic orally and/or through power point slides.</li> <li>• Answer the queries and involve in debate/discussion.</li> <li>• Submit two copies of the typed report with a list of references.</li> </ul> <p>The participants shall take part in discussion to foster friendly and stimulating environment in which the students are motivated to reach high standards and become self-confident.            The CIE marks for the seminar shall be awarded (based on the relevance of the topic, presentation skill, participation in the question-and-answer session and quality of report) by the committee constituted for the purpose by the Head of the Department. The committee shall consist of three faculties from the department with the senior most acting as the Chairperson.</p>			
<p><b>Pedagogy (Method and Practice of Teaching, Self-Study)</b></p> <ol style="list-style-type: none"> <li>1. The pedagogy will focus on a discursive method where the students will be encouraged to debate and discuss their ideas.</li> <li>2. Reading and writing skills will be encouraged through workshops and reading assignments that will inculcate the practice of critical and analytical reading.</li> <li>3. The students will also be given reference book list and other online repository portals that they can learn and refer to for their topics</li> </ol>			
<p><b>Course outcomes:</b>            At the end of the course the student will be able to:</p> <ul style="list-style-type: none"> <li>• Prepare a report on the chosen topic</li> <li>• Present the seminar topic to peers, faculty and experts</li> <li>• Answer the queries and involve in debate and discussions</li> </ul>			
<p><b>Assessment Details (Continuous Internal Examination only):</b>            Seminar Report: 30 marks            Presentation skill:50 marks            Question and Answer:20 marks  <b>Total Marks = 100</b></p>			

\*\*\* END OF II SEMESTER\*\*\*

INTERIOR DESIGN STUDIO - III				
Course Code	20AID31	CIE Marks	40	
Teaching Hours/Week (L:P:SDA)	0:14:0	VIVA Marks	60	
Credits	09			
<b>Course Objectives:</b>				
<ul style="list-style-type: none"> <li>Resolving complex issues in interior spaces through design language</li> <li>Evolving method of studies, analysis &amp; design process.</li> <li>Recreational spaces like theatres, clubs, etc.</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>The studio will be divided into the practical and the theory part. The theory will consist of the faculty introducing and sharing various standards and other material required for the studio work.</li> <li>Practical aspect will involve the site visit and other case study visits by the students for better understanding.</li> </ol> <p>The students will also be given reference book list and other online repository portals that they can learn and refer to for the studio</p>				
<b>Course outcomes:</b>				
At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>Develop design skills for recreational spaces like Theatre, Clubs, etc.</li> <li>Design for everyone in the form of barrier free design</li> </ul>				
<b>Assessment Details (both CIE and SEE)</b>				
<b>Continuous Internal Examination:</b> The CIE will be progressive marking:				
Each week discussion will be marked and considered for 50 + Internal Reviews for 50 + External Reviews for 50 + Final Portfolio for 50.				
Total 200 will be then reduced to 40				
<b>Semester End Examination:</b>				
The VIVA will be conducted for <b>60 marks</b> .				
The VIVA VOCE examination will be conducted by one external examiner (from academics/profession) and one internal examiner for I, II and III Semesters.				
The VIVA VOCE duration will be 15 minutes each per student for I, II and III Semesters.				
<b>Textbook/ Textbooks</b>				
Sl No	Title of the Book	Name of the	Name of the	Edition and
(1)	The Fundamentals of Interior Architecture	John Coles	AVA Publishing	2007
(2)	Interior Design	John Pile	Pearson/Prentice Hall	2003
<b>Reference Books</b>				
(1)	Interior design Illustrated	Francis.D.K.Ching	Wiley	2018
(2)	Time Saver standards for Interior Design & Space Planning	Joseph de Chiara, Julius Panero and Martin Zelnik	McGraw Hill Professional	2003

<b>LIGHTING DESIGN</b>				
Course Code	<b>20AID32</b>	CIE Marks	100	
Teaching Hours/Week (L:P:SDA)	3:0:1	SEE Marks	-	
Credits	04	Exam Hours	-	
<b>Course Objectives</b>				
<ul style="list-style-type: none"> <li>• To understand research methodology and the techniques of defining a research problem</li> <li>• To enable a better understanding of various data collecting techniques</li> <li>• To introduce IPR and the various related regulations in India</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>1. The pedagogy will focus on introducing the students to the importance of lighting in design by various examples and software available.</li> <li>2. Use of software to teach about photometry and luminance</li> <li>3. Use of visuals, video and audio will be used to augment the teaching process</li> </ol> <p>Workshops and talks from the leading experts in the field will be planned for relevant topics</p>				
<b>Module-1</b>				
<b>Light – As A Design Parameter</b>				
Daylighting, Daylight factor, reflection, refraction, Light tube, light shelves, light reflectors, Photometry – Illuminance, Luminance, Lux. Colour properties – colour temperature, colour rendering index, Lumen, luminous flux, light pressure.				
<b>Module-2</b>				
<b>Lighting Design</b>				
Specification of illumination requirements for each given use area-Analysis of lighting quality - Designing illumination for complex project types, including analysis of lighting criteria, development of design concepts and complete documentation requirements.				
<b>Module-3</b>				
<b>Lighting Systems, Energy Consumption &amp; Automation</b>				
Illumination- light fixtures, methods of lighting, forms of lighting- indoor & outdoor. Lamps, fixtures and its types. Lighting systems, light pollution- energy consumption, light exposure.				
<b>Module-4</b>				
Lighting control systems for buildings. Smart lighting- minimizing energy usage, major techniques of smart lighting.				
<b>Module-5</b>				
<b>Light as Art</b>				
Light art, Light sculptures. Examples of light art works by Chul Hyun Ahn, Dan Flavin, Olafur Eliasson, James Turrel, WAAtraut Cooper, Bruce Munro, Dan Roosegaarde+				
<b>Course outcomes:</b>				
At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>• Learn about lighting design.</li> <li>• Lighting requirements and types for various activities.</li> </ul>				
<b>Assessment Details (Only CIE)</b>				
<b>Continuous Internal Examination:</b> The CIE will be progressive marking:				
Each week discussion will be marked and considered for 50 + Internal Reviews for 50 + External Reviews for 50+ Final Portfolio for 50.				
Total 200 will be then reduced to 100				
<b>Textbook/ Textbooks</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	Architectural Lighting Design	Gary R. Steffy	John Wiley & Sons	2002
(2)	The Architecture of Light: A textbook of procedures and practices for the Architect, InteriorDesigner and Lighting	Sage Russell	Conceptnine Publishers	2008
<b>Reference Books</b>				

SI No	Title of the Book	Name of the	Name of the	Edition and
(1)	Interior Lighting for Designers	Gary Gordon	Wiley Publishers	4th Edition, 2003

ERGONOMICS & PRODUCT DESIGN			
Course Code	20AID33	CIE Marks	40
Teaching Hours/Week (L:P:SDA)	3:0:0	SEE Marks	60
Credits	03	Exam Hours	03
<b>Course Objectives</b>			
<ul style="list-style-type: none"> <li>To introduce ergonomics and human factor design</li> <li>To enable a better understanding of fabrication and manufacturing processes</li> <li>To introduce digital modelling software and fabrication methods</li> </ul>			
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>			
<ol style="list-style-type: none"> <li>The pedagogy will focus on both hardware and software aspects of fabrication</li> <li>Visit to fabrication units and factories</li> <li>Use of visuals, video and audio will be used to augment the teaching process</li> </ol> <p>Workshops and talks from the leading experts in the field will be planned for relevant topics</p>			
<b>Module-1</b>			
<b>Ergonomics</b>			
Introduction to ergonomics & human factor design. Domains of specialization in the discipline of ergonomics. Methods of analysis.			
<b>Module-2</b>			
<b>Product Design</b>			
Product design process. Trends in product design. History of industrial design. Examples of iconic industrial design. Product development & its stages.			
<b>Module-3</b>			
<b>Fabrication</b>			
Manufacturing & fabrication. Prefabrication & its advantages. Composite fabrication, metal fabrication, micro fabrication & optics fabrication. Rapid proto typing, solid free form fabrication			
<b>Module-4</b>			
<b>Digital Modeling&amp; Fabrication</b>			
Machines for fabrication- CNC router, laser cutter, 3D printers. Software for modeling- Blender			
<b>Module-5</b>			
Form Z, Rhinoceros 3D, CAD work, 3D Studio Max, Sketchup.			
<b>Course outcomes:</b>			
At the end of the course the student will be able to:			
<ul style="list-style-type: none"> <li>Greater understanding of ergonomics &amp; product design.</li> </ul>			
<b>Assessment Details (both CIE and SEE)</b>			
<b>Continuous Internal Evaluation:</b> The CIE will be based on Internal Tests and Assignments.			
Internal tests:			
<ul style="list-style-type: none"> <li>One test of 50 marks will be conducted for Every CIA cycle. Total 3 tests per semester.</li> <li>One Assignment for 20 marks or two assignments for 10 marks each will be considered for each CIA cycle.</li> <li>Assignments will consist of Sketches for 10 marks and design exercises for 10 marks. It can also be 10 marks for Quiz and 10 marks for seminar presentation.</li> <li>Any combination of the above will be considered for the 20 marks component.</li> <li>The total of 50+20 =70 will be reduced to 40</li> </ul>			



<b>Semester End Examination:</b> Will be a written exam for 100 marks reduced to 60.				
<b>Question paper pattern:</b>				
The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 60.				
<ul style="list-style-type: none"> <li>The question paper will have ten full questions carrying equal marks.</li> <li>Each full question is for 20 marks.</li> <li>There will be two full questions (with a maximum of four sub questions) from each module.</li> </ul>				
<b>Textbook/ Textbooks</b>				
<b>Sl</b>	<b>Title of the Book</b>	<b>Name of the</b>	<b>Name of the</b>	<b>Edition and</b>
1.	Product design	Tucker Veimeistu	PBC intl	1994
<b>Reference Books</b>				
<b>Sl</b>	<b>Title of the Book</b>	<b>Name of the</b>	<b>Name of the</b>	<b>Edition and</b>
(1)	Furnish – Furniture & Interior Design for the 21st	Robert Klanten	Gestalten Verlag	2007
(2)	Handbook of Human Factors & Ergonomics	Gavriel Salvendy	John Wiley & Sons	2012

<b>DISSERTATION</b>				
Course Code	<b>20AID34</b>	CIE Marks	100	
Teaching Hours/Week (L:P:SDA)	0:2:0	SEE Marks	-	
Credits	03			
<b>Course Objectives</b>				
To enable in depth investigation into area of chosen interest				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>The pedagogy will focus on research methodology and writing aspects.</li> <li>Seminars and workshops on research and writing by eminent personalities will be organised</li> </ol> Use of visuals, video and audio will be used to augment the teaching process				
<b>Course Description</b>				
The topic chosen should be related to the design thesis and may involve the following areas of study in four stages: An in-depth investigation into any aspect of the chosen area Analysis of data, inferences to establish underlying principles Evaluation of existing theory in new concepts Establishment of a hypothesis and its substantiation. The particulars of schedule, content presentation, format etc, as decided by the department from time to time, shall be strictly followed. The progress will be periodically reviewed by internal jury members.				
<b>Course outcomes:</b>				
At the end of the course the student will be able to: <ul style="list-style-type: none"> <li>Present a paper on the topic of their choice.</li> </ul>				
<b>Assessment Details (CIE Only)</b>				
<b>Continuous Internal Evaluation:</b> The CIE will be progressive marking: Each week discussion will be marked and considered for 50 + Seminar for 50 + Final Report for 100. Total 200 will be then reduced to 100				
<b>Textbook/ Textbooks</b>				
<b>Sl No</b>	<b>Title of the Book</b>	<b>Name of the</b>	<b>Name of the</b>	<b>Edition and</b>
(1)	The Dissertation Journey: A Practical and Comprehensive Guide to Planning, Writing, and Defending Your Dissertation	Carol M. Roberts, Laura Z. Hyatt	Corwin	2004

(2)	Demystifying Dissertation Writing: A Streamlined Process from Choice of Topic to Final Text	Peg Boyle Single and Richard M. Reis	Stylus Publishing	Sep 2009
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GRAPHIC COMMUNICATION & SIGNAGE				
Course Code	20AID35		CIE Marks	100
Teaching Hours/Week (L:P:SDA)	2:0:1		SEE Marks	-
Credits	02		Exam Hours	-
<b>Course Objectives</b>				
<ul style="list-style-type: none"> <li>To enable understanding of the history of graphics and communication</li> <li>To understand the various visual communication systems</li> <li>To introduce the various types of signages and their use in design</li> <li>To understand graphics as a space transforming element</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>The pedagogy will focus on both the 2D and 3D aspects of graphics.</li> <li>Learning graphics through various software</li> <li>Workshops on typography, graphical representation techniques etc</li> <li>Use of visuals, video and audio will be used to augment the teaching process</li> </ol>				
<b>Module-1</b>				
<b>Graphic Communication</b>				
History of communication- graphics, communication, visual communication & communication design. Graphic design- typography, visual arts, page layout. Graphic representation, graphicacy.				
<b>Module-2</b>				
<b>Visual Communication Systems</b>				
Gestalt Theory, Aldous Huxley. Image analysis & its perspectives. Visual Aids & its types. Visual aids media- simple to advance.				
<b>Module-3</b>				
<b>Signages &amp; Audio Visuals</b>				
History of signages. Functions of signs. Sign technologies- banner, bill boards, digital signs, street signs, neon signs, LED signs. Digital signs & its different applications.				
<b>Module-4</b>				
Graphics & Image making – audio visuals and graphic systems.				
<b>Module-5</b>				
<b>Graphic As A Space</b>				
Graphic as a space – making element. Graphic as space transforming element.				
<b>Course outcomes:</b>				
At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>Learn in detail about graphic communication &amp; signage.ood graphics</li> <li>The software skills to create good graphics</li> <li>Create digital and physical signs</li> </ul>				
<b>Assessment Details (CIE Only)</b>				
<b>Continuous Internal Evaluation:</b> The CIE will be progressive marking:				
Each week discussion will be marked and considered for 50 + Seminar for 50 + Final Portfolio for 100.				
Total 200 will be then reduced to 100, Total 200 will be then reduced to 40				
<b>Textbook/ Textbooks</b>				
Sl No	Title of the Book	Name of the	Name of the	Edition and

(1)	Graphic Communications Today, 4E (Design Concepts)	William E Ryan, Theodore E. Conover	Cengage Learning	2003
(2)	Signage Systems and Information Graphics	Andreas Uebele	Thames Hudson	1st edition, 2010
<b>Reference Books</b>				
(1)	Technical Graphics Communication	Gary Robert Bartolini, Eric N.	McGraw-Hill Higher Education	2009
(2)	Signage Design Manual	Edo Smitshuijzen	Prestel	2007
(3)	Digital Graphic Design	Bob Gordon and Maggie Gordon	Watson-Guptill Publications	2002
(4)	Perspective Space & Design	Louise Bowen Ballinger	Van Nostrand Reinhold Company	1969
(5)	System Graphics: Breakthroughs In Drawing Production And Project Management For Architects, Designers, And	Fred A Stitt	Mcgraw Hill Company	1983

<b>INTERNSHIP / PROFESSIONAL PRACTICE</b>			
Course Code	<b>20AID37</b>	CIE Marks	-
Number of contact Hours/Week	-	VIVA Marks	100
Credits	02		
<b>Course objectives:</b>			
<p>Internship/Professional practice provide students the opportunity of hands-on experience that include personal training, time and stress management, interactive skills, presentations, budgeting, marketing, liability and risk management, paperwork, equipment ordering, maintenance, responding to emergencies etc. The objective are further,</p> <ul style="list-style-type: none"> <li>• To put theory into practice.</li> <li>• To expand thinking and broaden the knowledge and skills acquired through course work in the field.</li> <li>• To relate to, interact with, and learn from current professionals in the field.</li> <li>• To gain a greater understanding of the duties and responsibilities of a professional.</li> <li>• To understand and adhere to professional standards in the field.</li> <li>• To gain insight to professional communication including meetings, memos, reading, writing, public speaking, research, client interaction, input of ideas, and confidentiality.</li> <li>• To identify personal strengths and weaknesses.</li> <li>• To develop the initiative and motivation to be a self-starter and work independently.</li> </ul>			
<b>Internship/Professional practice:</b> Students under the guidance of internal guide/s and external guide shall take part in all the activities regularly to acquire as much knowledge as possible without causing any inconvenience at the place of internship.			
<b>Seminar:</b> Each student, is required to			
<ul style="list-style-type: none"> <li>• Present the seminar on the internship orally and/or through power point slides.</li> <li>• Answer the queries and involve in debate/discussion.</li> <li>• Submit the report duly certified by the external guide.</li> </ul> <p>The participants shall take part in discussion to foster friendly and stimulating environment in which the students are motivated to reach high standards and become self-confident.</p>			
<b>Course outcomes:</b>			
At the end of the course the student will be able to:			

- Gain practical experience within industry in which the internship is done.
- Acquire knowledge of the industry in which the internship is done.
- Apply knowledge and skills learned to classroom work.
- Develop a greater understanding about career options while more clearly defining personal career goals.
- Experience the activities and functions of professionals.
- Develop and refine oral and written communication skills.
- Identify areas for future knowledge and skill development.
- Expand intellectual capacity, credibility, judgment, intuition.

Acquire the knowledge of administration, marketing, finance and economics.

**Assessment Details (SEE only)**

**Semester End Examination** marks for the internship report (60 marks), seminar (25 marks) and question and answer session (15 marks) shall be awarded (based on the quality of report and presentation skill, participation in the question-and-answer session) by the examiners appointed by the University.

\*\*\* END OF III SEMESTER \*\*\*

<b>INTERIOR DESIGN STUDIO - IV</b>				
Course Code	<b>20AID41</b>	CIE Marks	40	
Teaching Hours/Week (L:P:SDA)	0:16:0	VIVA Marks	60	
Credits	16			
<b>Course Objectives</b>				
<ul style="list-style-type: none"> <li>Resolving complex issues in interior spaces through design language</li> <li>Evolving method of studies, analysis &amp; design process.</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>The studio will follow a guide system where each student will be guided individually by their mentors.</li> <li>Students will visit sites for their studies and document various case studies to help in their design process</li> </ol> <p>Additional input in the form of expert review panels and external reviews will be part of the studio pedagogy</p>				
<b>Course outcomes:</b>				
At the end of the course the student will be able to: Demonstrate their ability of interior architecture design through thesis.				
<b>Assessment Details (both CIE and SEE)</b>				
<b>Continuous Internal Evaluation:</b> The CIE will be progressive marking: Each week discussion will be marked and considered for 50 + Internal Reviews for 50 + External Reviews for 50 + Final Portfolio for 50. Total 200 will be then reduced to 40				
<b>Semester End Examination:</b> Will be a VIVA for 60 marks The final Semester Thesis Viva will be conducted by two external examiners (from academics/profession) and one internal examiner. The VIVA VOCE duration will be 40 minutes per student for Final Semester Thesis Viva.				
<b>Textbook/ Textbooks</b>				
Sl No	Title of the Book	Name of the	Name of the	Edition and
(1)	Indian Design (Daab Design)	Ralf Daab	DAAB Press	2004
(2)	Detail + Interior + Architecture - Series from	Archiworld	Archiworld	2017
(3)	Interior World, Series from Archiworld	Archiworld	Archiworld	2002
(4)	Interior Spaces, Series from Archiworld	Archiworld	Archiworld	2008

<b>INTERIOR PROJECT MANAGEMENT &amp; PRACTICE</b>				
Course Code	<b>20AID42</b>	CIE Marks	40	
Teaching Hours/Week (L:P:SDA)	4:0:0	SEE Marks	60	
Credits	04	Exam Hours	03	
<b>Course Objectives</b>				
<ul style="list-style-type: none"> <li>To introduce interior project management</li> <li>To understand the various stages of design process and coordination aspects</li> <li>To introduce estimation and costing and budgeting</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self-Study)</b>				
<ol style="list-style-type: none"> <li>The pedagogy will be project oriented</li> <li>Live examples will be studied in the class</li> </ol> <p>Guest lectures and expert talks will be arranged for the relevant topics</p>				
<b>Module-1</b>				

<b>Interior Project Management – Introduction</b> Introduction to interior project management, its objectives, resources & team Client contact & relationship issues, design development stage and co-ordination with various agencies.				
<b>Module-2</b>				
<b>Management Techniques</b> Execution of work – planning, scheduling and control. Project monitoring, programming of works. Tools & techniques for project management; bar charts, network techniques.				
<b>Module-3</b>				
<b>Estimation &amp; Costing</b> Project cost analysis – methods of estimating, total budgeting and schedule of payment of various agencies				
<b>Module-4</b>				
<b>Professional Practice, Market Trends &amp; Survey</b> Interior design profession: survey of various interior designers, working procedures. Fee systems.				
<b>Module-5</b>				
Professional interior design societies, licensing & registering.				
<b>Course outcomes:</b> At the end of the course the student will be able to: Learn about interior project management & practice				
<b>Assessment Details (both CIE and SEE)</b> <b>Continuous Internal Evaluation:</b> The CIE will be based on Internal Tests and Assignments. Internal tests: <ul style="list-style-type: none"> <li>• One test of 50 marks will be conducted for Every CIA cycle. Total 3 tests per semester.</li> <li>• One Assignment for 20 marks or two assignments for 10 marks each will be considered for each CIA cycle.</li> <li>• Assignments will consist of Sketches for 10 marks and design exercises for 10 marks. It can also be 10 marks for Quiz and 10 marks for seminar presentation.</li> <li>• Any combination of the above will be considered for the 20 marks component.</li> <li>• The total of 50+20 =70 will be reduced to 40</li> </ul> <b>Semester End Examination:</b> Will be a written exam for 100 marks reduced to 60. <b>Question paper pattern:</b> The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 60. <ul style="list-style-type: none"> <li>• The question paper will have ten full questions carrying equal marks.</li> <li>• Each full question is for 20 marks.</li> <li>• There will be two full questions (with a maximum of four sub questions) from each module.</li> </ul> The students will have to answer five full questions, selecting one full question from each module.				
<b>Reference Books</b>				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
(1)	The Interior Design Business Handbook: A Complete Guide to Profitability	Mary V Knackstedt / <u>Haney, Laura Knackstedt.</u>	Wiley Publishing	2001
(2)	Architect's Essentials of Negotiation - [Professional practice]	Ava J. Abramowitz	Wiley Publishing	2009
(3)	Becoming an Interior Designer	Christine M. Piotrowski	Wiley Publications.	2nd Edition. 2008

\*\*\* END OF IV SEMESTER\*\*\*

<b>INTERIOR LANDSCAPING</b>				
Course Code	<b>20AID271</b>	CIE Marks	100	
Teaching Hours/Week (L:P:SDA)	4:0:0	SEE Marks	-	
Credits	03	Exam Hours	-	
<b>Course Objectives</b>				
<ul style="list-style-type: none"> <li>To introduce interior landscaping</li> <li>To understand the various types of flora required in interior landscaping</li> <li>To understand application of interior landscaping for various types of projects</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self Study)</b>				
3. The pedagogy will be project oriented				
4. Live examples will be studied in the class				
5. Guest lectures and expert talks will be arranged for the relevant topics				
<b>Module-1</b>				
<b>Interior Landscape</b>				
Types of indoor plants, plant characteristics, size, biology, soil, moisture, light, nutrient, atmospheric conditions, growing medium, pests & diseases. Market survey & costs				
<b>Module-2</b>				
<b>Flower &amp; Arrangements</b>				
Flowers, its colours, texture and its visual perception in various indoor spaces. Science of flower arrangement				
<b>Module-3</b>				
<b>Irrigation Systems</b>				
Manual versions automatic irrigation , costing & installation of micro irrigation systems				
<b>Module-4</b>				
<b>Interior Designs</b>				
Interior landscape application for residential, commercial and other public use spaces				
<b>Module-5</b>				
Case study and Design of landscaping for an interior space				
<b>Course outcomes:</b>				
At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>Design an interior landscaping for any given space</li> </ul>				
<b>Assessment Details (both CIE and SEE)</b>				
<b>Continuous Internal Evaluation:</b> The CIE will be based on Internal Tests and Assignments.				
Internal tests:				
<ul style="list-style-type: none"> <li>One test of 50 marks will be conducted for Every CIA cycle. Total 3 tests per semester.</li> <li>One Assignment for 20 marks or two assignments for 10 marks each will be considered for each CIA cycle.</li> <li>Assignments will consist of Sketches for 10 marks and design exercises for 10 marks. It can also be 10 marks for Quiz and 10 marks for seminar presentation.</li> <li>Any combination of the above will be considered for the 20 marks component.</li> <li>The total of 50+20 =70 will marked up to 100</li> </ul>				
<b>Reference Books</b>				
S.No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
1	Interior Landscaping	Tokuji Furuta, Debra Sievers, Vernon Artman	Reston pub. Co	1983
2	.Interior Landscape design	Nelson Hemmer	McGraw Hill..	1991

<b>TRADITIONAL INDIAN SPACES</b>				
Course Code	<b>20AID272</b>	CIE Marks	100	
Teaching Hours/Week (L:P:SDA)	4:0:0	SEE Marks	-	
Credits	02	Exam Hours	-	
<b>Course Objectives</b>				
<ul style="list-style-type: none"> <li>• To introduce traditional Indian spatial planning</li> <li>• To understand the various space articulation techniques in Indian architecture</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self Study)</b>				
<ol style="list-style-type: none"> <li>1. The pedagogy will be project oriented</li> <li>2. Live examples will be studied in the class</li> <li>3. Guest lectures and expert talks will be arranged for the relevant topics</li> </ol>				
<b>Module-1</b>				
<b>Principles &amp; Functions Of Indian Spaces</b>				
Principles of Space making in Ancient Hindu Architecture; Shatras behind the Space planning;				
<b>Module-2</b>				
<b>Vernacular Elements</b>				
The effective vernacular elements that withstand the climate, geographic conditions, & cultural setting, in a range of architectural ex's like temples, vernacular houses, palaces, mosques, etc				
<b>Module-3</b>				
<b>Space Articulation &amp; Indian Aesthetics</b>				
Detailed Study on Indian Aesthetics and its Reflections in Indian Spaces. In a range of architectural ex's like temples, vernacular houses, palaces, mosques, etc				
<b>Module-4</b>				
<b>Space And Energy</b>				
A discursive approach to understanding Energy in space based on examples of Spaces in Temples.				
<b>Module-5</b>				
<b>Research Work On Indian Interiors</b>				
Detailed study on one ancient building.				
<b>Course outcomes:</b>				
At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>• Design spaces with respect to vernacular aesthetics and planning techniques</li> </ul>				
<b>Assessment Details (CIE only)</b>				
<b>Continuous Internal Evaluation:</b> The CIE will be based on Internal Tests and Assignments.				
Internal tests:				
<ul style="list-style-type: none"> <li>• One test of 50 marks will be conducted for Every CIA cycle. Total 3 tests per semester.</li> <li>• One Assignment for 20 marks or two assignments for 10 marks each will be considered for each CIA cycle.</li> <li>• Assignments will consist of Sketches for 10 marks and design exercises for 10 marks. It can also be 10 marks for Quiz and 10 marks for seminar presentation.</li> <li>• Any combination of the above will be considered for the 20 marks component.</li> <li>• The total of 50+20 =70 will marked up to 100</li> </ul>				
S.No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
<b>1</b>	Indian Temple Architecture: Form and Transformation : the Karṇāṭa Drāviḍa Tradition, 7th to 13th Centuries	Adam Hardy		



<b>SUSTAINABLE INTERIORS</b>				
Course Code	<b>20AID361</b>	CIE Marks	100	
Teaching Hours/Week (L:P:SDA)	4:0:0	SEE Marks	-	
Credits	02	Exam Hours	-	
<b>Course Objectives</b>				
<ul style="list-style-type: none"> <li>• To introduce the concept of sustainability in interiors</li> <li>• To understand the various materials and green aspects of interiors</li> <li>• To introduce IEQ</li> </ul>				
<b>Pedagogy (Method and Practice of Teaching, Self Study)</b>				
<ol style="list-style-type: none"> <li>1. The pedagogy will be project oriented</li> <li>2. Live examples will be studied in the class</li> <li>3. Guest lectures and expert talks will be arranged for the relevant topics</li> </ol>				
<b>Module-1</b>				
<b>The Concept of Sustainability</b>				
Definition, Meaning and Importance Sustainability and the Human Future, Earth and the Sustainability Crisis. The Challenge of Sustainability				
<b>Module-2</b>				
<b>Sustainable Materials</b>				
Different types of materials for different interiors. Recycled and up-cycled materials in interiors				
<b>Module-3</b>				
<b>Sustainable Concept In Interior Designing.</b>				
The Concept of Sustainable Interiors. Sustainable interiors designing by adopting various policies. Principles of Sustainable Interior Design.				
<b>Module-4</b>				
<b>Green Interiors</b>				
Benefits of Green Interiors Indoor Environment Quality (IEQ) Elements associated to IEQ				
<b>Module-5</b>				
<b>Case study (Self-study / Assignment)</b>				
Conduct a study on concept of green building. Visit any green building; absorb the place, design, interior elements, materials and construction techniques. Interview with appropriate persons and make a case study report.				
<b>Course outcomes:</b>				
At the end of the course the student will be able to:				
<ul style="list-style-type: none"> <li>• Learn about sustainable interiors</li> <li>• Apply and use sustainable materials and methods in the design of any interiors</li> </ul>				
<b>Assessment Details (CIE only)</b>				
<b>Continuous Internal Evaluation:</b> The CIE will be based on Internal Tests and Assignments.				
Internal tests:				
<ul style="list-style-type: none"> <li>• One test of 50 marks will be conducted for Every CIA cycle. Total 3 tests per semester.</li> <li>• One Assignment for 20 marks or two assignments for 10 marks each will be considered for each CIA cycle.</li> <li>• Assignments will consist of Sketches for 10 marks and design exercises for 10 marks. It can also be 10 marks for Quiz and 10 marks for seminar presentation.</li> <li>• Any combination of the above will be considered for the 20 marks component.</li> <li>• The total of 50+20 =70 will marked up to 100</li> </ul>				
<b>Reference Books</b>				
S.No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
1	Ecological sustainability and integrity: Concepts and approaches	Lemons, John, Laura Westra, and Robert Goodland	Vol. 13. Springer Science & Business Media,	1998.
2	Human ecology: Basic concepts for sustainable development	Marten, Gerald G	Earthscan	2001
3	Sustainable architecture and urbanism: concepts,	Gauzin-Mueller, Dominique, and	Springer Science & Business Media	2002

	technologies, examples	Nicolas Favet. S		
4	Qualities, Use, and Examples of Sustainable Building Materials	Kim, Jong-Jin;	CSS, University of Michigan,	1998
5	Materials for interior environments	Binggeli, Corky	John Wiley & Sons,	2008
6	Environmental Resource Guide Subscription	American Institute of Architects	Washington: AIA;	1992
7	Strategies for Sustainable Architecture	Sassi, P	New York, Taylor and Francis	2006
8	Green building materials: a guide to product selection and specification	Spiegel, Ross;	John Wiley & Sons,	2010
9	The green building revolution.	Yudelson, Jerry	Island Press	2010
10	The Complete Guide to Green Building & Remodeling Your Home	Martha Maeda	Atlantic Pub. Co	2011
11	Product design for the environment: a life cycle approach	Giudice, Fabio	CRC press	2006

<b>PSYCHOLOGY &amp; HUMAN BEHAVIOR</b>			
Course Code	<b>20AID362</b>	CIE Marks	100
Teaching Hours/Week (L:P:SDA)	4:0:0	SEE Marks	-
Credits	02	Exam Hours	-
<b>Course Objectives</b>			
<b>Pedagogy (Method and Practice of Teaching, Self Study)</b>			
<ol style="list-style-type: none"> <li>1. The pedagogy will be project oriented</li> <li>2. Live examples will be studied in the class</li> <li>3. Guest lectures and expert talks will be arranged for the relevant topics</li> </ol>			
<b>Module-1</b>			
<b>Human Behavioral Pattern</b>			
Analysis of human mind & his or her image world. Human being and social behavioural patterns in various public & private areas.			
<b>Module-2</b>			
<b>Territorial &amp; Group Psychology</b>			
Human behavior in a group of two, three, and more. Activities and its relationship with grouping of people. Privacy, territoriality & defensible space.			
<b>Module-3</b>			
<b>Modernization &amp; Impacts On Human Behaviour</b>			
Modernization, change in society, change in thought process and behavioral patterns. Behavior and its relation to design elements			
<b>Module-4</b>			
<b>Behaviour Pattern &amp; Space Planning</b>			
Relation of behavior patterns of human being in space planning for public areas like theatre lounge, waiting rooms, hotel foyer, café and other rooms.			
<b>Module-5</b>			
Case study and Literature study of any one project that has inculcated the above aspects. Analysis and inference and compilation of a report based on the study.			
<b>Course outcomes:</b>			
At the end of the course the student will be able to:			
<ul style="list-style-type: none"> <li>• Learn about how design can impact behaviour and the various ways of reinforcing positive behaviour through design</li> </ul>			
<b>Assessment Details (CIE only)</b>			
<b>Continuous Internal Evaluation:</b> The CIE will be based on Internal Tests and Assignments.			

Internal tests:				
<ul style="list-style-type: none"> <li>• One test of 50 marks will be conducted for Every CIA cycle. Total 3 tests per semester.</li> <li>• One Assignment for 20 marks or two assignments for 10 marks each will be considered for each CIA cycle.</li> <li>• Assignments will consist of Sketches for 10 marks and design exercises for 10 marks. It can also be 10 marks for Quiz and 10 marks for seminar presentation.</li> <li>• Any combination of the above will be considered for the 20 marks component.</li> <li>• The total of 50+20 =70 will marked up to 100</li> </ul>				
<b>Reference Books</b>				
S.No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
1	An Introduction to Social Psychology,Chapter 8: Behavior Patterns: Their Nature and Development	Luther Lee Bernard	Henry Holt and Co	1926
2	The Psychology of the Interior	Agnieska Mlicka	University of Oxford	2006
3	The System of Objects (Verso English Edition	Baudrillard, J	Bookmarque .United Kingdom	1996
4	Social Attributions Based on Domestic Interiors	Mackenzie, N.E.; M.A. Wilson	Journal of Environmental Psychology, 20: 343-354	2000
5	The Emergence of the Interior	Rice, Charles	Oxon: Routledge	2007
6	"La Maison de Verre: Negotiating a Modern Domesticity".	Edwards, M.J.; W.G. Gjertson	Journal of Interior Design	2008