



Charutar Vidya Mandal University
VALLABH VIDYANAGAR

DETAILED SYLLABUS AND TEACHING SCHEME EFFECTIVE FROM ACADEMIC, YEAR 2021-22

FACULTY OF ARCHITECTURE & PLANNING, SMAID

Shantaben Manubhai Patel School of Studies & Research in Architecture & Interior Design

Department of Interior Design

ADDRESS OF COLLEGE / INSTITUTE : ADIT Campus, GIDC Phase IV, New Vallabh Vidhya Nagar



FIRST YEAR OF B.I.D: SEMESTER I

IC 2100 NGO I CONTACT HRS/WK = 00 CREDITS = 02 (L=0,S=0,W=2)

Focus : To develop a more sensitive approach towards real world

Contents: Students shall work or train for 8 weeks of Part-time or 2 Weeks of full-time with any Semi-Government / SOS of Any Corporate Sector / Non-Government Organization from the surrounding area .

Method: Students shall have to submit their work profile done at the organization, Responsibility sharing and Experience during Internal assessments.

Skill: To develop a Sensitive approach towards issues being faced in the world outside construction Interior Industry.



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IC 2101 INTERIOR DESIGN STUDIO I CONTACT HRS/WK = 08 CREDITS = 08 (L=0,S=8,W=0)	
Focus :	Initiating the knowledge of Anthropometrics, Visual perception and Expression Techniques
Contents:	Design process by observation, assimilation, analysis and synthesis. Visual perception of forms analyzed through point, line, plane and solids, and their combinations. Understanding Human beings and their basic living activity. Activity- Space relationship Materials and use of structural systems. Anthropometrics and related design issues Functional Analysis and space planning.
Projects:	Exercises in anthropometrics and scales relevant human activity. Establish a limited spatial envelope to suit basic functions of living and working. Study of the living habitat of any characterized entity other than just humans. Efficiency in terms of movement, usability of space.
Method:	Taking body Measurements, comparing it with standard dimensions, case studies, site visits.
Skills :	Observation power, Ability to recall and imagine Perceive and visualize Representation of ideas Relation between activity and physical measurement
Outcome:	Students shall inculcate Visual perception of spatial elements through graphic tools and 2D or 3D explorations. Also develop a vocabulary for communicating through analytical drawings.

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IC2102 ARCHITECTURAL GRAPHIC TECHNIQUES –I (AGT–I) CONTACT HRS/WK = 03 CREDITS = 03 (L=1,S=3,W=0)	
Focus :	Developing graphical and technical drawing skills
Contents:	<p>UNIT 1: Familiarization with drawing materials and equipment.</p> <p>UNIT 2: Point and line, straight and curvilinear lines, lettering.</p> <p>UNIT 3: Principles of plane geometry, scale, and orthographic projection of solids and then relating these principles with basic furniture/interior elements.</p> <p>UNIT 4: Sections of simple and complex solids.</p> <p>UNIT 5: Development of surfaces of solids. Presentation through isometric and axonometric views.</p>
Projects:	Line exercise, Lettering and Texture, Construction of basic shapes, orthographic projections, and other orthographic projections.
Skill:	Develop skills for representation through technical drawings.
Outcome:	Students shall develop skills to graphically represent their drawings along with presentation techniques.



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IC 2103 HISTORY OF ART AND CULTURE		CONTACT HRS/WK= 02	CREDITS =02 (L=2,S=0,W=0)
Focus :	Study of Man and culture and how formalization of 'Civilized' Humans happened Investigation in history with relation to art, architecture, space making, interior designs – typological rather than the stylistic approach in history of design. To understand the importance of civilizations and its relevance in Architecture, Design and Art.		
Contents :	<p>UNIT 1: Study (introduction) and design history of various eras/ periods. Chronology of development of Mankind through various ages beginning from Ice Age to Information Age.</p> <p>UNIT 2: Pre historic and its indigenous designs – Indus valley civilizations, Mesopotamia Ancient cultures - Egypt, Greece and Rome.</p> <p>UNIT 3: Chronology of various periods with art, craft and contemporary technology.</p> <p>UNIT 4: Social and cultural development of human beings through ages and its impact on Interior Design.</p>		
Method :	Lectures, presentations, Documentation, Films, readings.		
Skill:	Develop analytical skills to decipher the impact of important historical events in the development of mankind through various periods of history.		
Outcome:	Understanding the relation of history with reference to Art and Culture.		



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IC2104 CONSTRUCTION MATERIAL AND APPLICATION-I CONTACT HRS/WK = 03 CREDITS = 03 (L=1,S=3,W=0)	
Focus :	Understanding Building Industry as a system. Introduction of basics of building material and construction methods. Role of interior designer in industry.
Contents:	<p>UNIT 1: Introduction to the various components of building like floors, roofs, openings, stairs, over hangs, partitions, ceilings, structural members etc.</p> <p>UNIT 2: Study properties of various basic building construction materials such as sand, cement, lime, brick, stone, wood and wooden products, various metals, glass, plastic etc.</p> <p>UNIT 3: Structural and physical behavior of materials with respect to their properties and applications in building.</p> <p>UNIT 4: Appropriate use of materials with respect to building techniques.</p> <p>UNIT 5: Representation of materials in drawings and making of site visit reports.</p>
Method :	Lectures, Case studies, exercises, Hands-on, Reports
Skills:	Develop an understanding of how various building elements come together to form a complete physical entity.
Outcome:	To develop a thorough understanding of the Building materials and its application in Interiors and the relevance in Industry.

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IC 2105	ENGLISH AND COMMUNICATION SKILL I	CONTACT HRS/WK= 01	CREDITS =01 (L=1,S=0,W=0)
Focus :	The Art of communicating in English in the professional world. Introduction to communication strategies and verbal /non-verbal communication, development of communication skills to improve professional expertise and empowering students to independently handle job applications, interviews and project presentations.		
Contents:	<p>UNIT 1: Introduction to communication: Kinds of communication. Components/Process of communication Development of skills: Listening Skills, Reading Skills, Speaking Skills.</p> <p>UNIT 2: Writing Skills Verbal communication: Linguistic Skills, Group interaction, Presentation Skills, Oral presentation and verbal interaction w.r.t. visual representations,</p> <p>UNIT 3: Use of technical terms in oral presentations. Introduction to public speaking, Job interviews</p>		
Method :	Elocution, Debate, Group discussion, Presentation/Technical seminar		
Skill:	Develop aptitude and attitude for communicating in English for oral and written presentations.		
Outcome:	Students shall get well-versed with the use of language and the technicalities of communication skills in the profession.		



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IC 2106 BASICS OF COMPUTER		CONTACT HRS/WK= 03	CREDITS =02 (L=0,S=0,W=3)
Focus :	Introduction to the basic features of computers and the useful softwares and operating system		
Contents:	UNIT 1: Operating systems – Windows and IOs and storage of data UNIT 2: Basic software: M.S. Word, and Excel UNIT 3: Understanding picture manager Making Powerpoint presentations UNIT 4: AUTOCAD		
Method :	Lab Work and Drawings.		
Skill:	Computer and software literacy.		
Outcome:	Students shall get well versed with the computers as a tool to be used in Interiors.		



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IC 2107	WORKSHOP –I (Colour)	CONTACT HRS/WK= 03	CREDITS =02 (L=0,S=0,W=3)
Focus :	Color as an element of Interior Design and color as Science		
Contents:	<p>UNIT 1: Study, comparison and application of color systems: Pluto, Munsell, Prang, Pantone and others color in Nature.</p> <p>UNIT 2: Color and materials, Color and Textures of various natural materials (Various types of dyes, pigments and paints.)</p> <p>UNIT 3: Colour and Light: Quality and quantity of light. Surface quality: Natural versus artificial light. Distance: Ability to reflect / absorb light. Diminishing effect of light.</p> <p>UNIT 4: Effect to perception of hue according to varying chroma content. Scale: Effect of changing eye – levels.</p>		
Method :	Study of colors from nature and its abstraction. Understanding aspects of color: Hue, Value, Intensity. Color wheel – color chart from black to white with color. Color schemes: Monochromatic, complimentary, split complementary, analogous, triad and tetrad. Techniques of using colors to create different effects such as harmony, discordance, etc.		
Skill:	Develop a skill to create magic with colors in Interior spaces.		
Outcome:	Students shall be able to understand manipulation of colors. Experimenting and using color theory and comparing additive and subtractive color theory.		

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IC 2108 ELECTIVE I	CONTACT HRS/WK= 02	CREDITS =02 (L=0,S=9,W=3)
Focus :	To help students in exploring their aptitudes and in developing skills in fields of their choice.	
Content :	<p>A number of subjects shall be offered depending on faculty availability. Students may register for any one of the offered courses for the semester.</p> <p>Courses that may be offered from time to time :</p> <p>IE 2208/1 – Photography IE 2208/2 – Sketching IE 2208/3 - Theatrics IE 2208/4 – Printmaking IE 2208/5 –Decorative Accessory Making</p>	
Method :	Hands on, workshop, Seminar, Reading, film studies, discussion	
Skills:	Students by themselves will be able to explore the skills that they have learnt in Elective in the allied subjects and studio.	
Outcome:	Enhanced learning in core subjects with support from elective exploration.	



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FIRST YEAR OF B.I.D. : SEMESTER II



IC 2200 RELATED STUDY PROGRAMME
(Case Study and Documentation)

CONTACT HRS/WK =00



CREDITS = 02

(L=0,S=0,W=2)



Focus:	An inquiry into indigenous cultures, people's lifestyles, customs and rituals, living environment and habitation in general and community as whole
Content:	<p>UNIT 1: To visit a place in India of historical relevance in terms of its Interior Design and Architecture Historical study of places in terms of social, cultural aspects and its reflection in art and architecture.</p> <p>UNIT 2: Sketching and Measure Drawing of the chosen built form/ settlement.</p> <p>UNIT 3: Documentation of Crafts of surrounding areas supporting the living of the local residents.</p> <p>UNIT 4: Analysis and Representation of the documented data.</p>
Skills:	<p>Observation, assimilation, analysis and synthesis of a region, culture or tribe. Understanding of Scale and Human Perception. Anthropometrics and ergonomics. Built Form and its expression, in terms of climate and locally available resources.</p>
Outcome:	Exploration in terms of the Art, Craft, culture and developing the drawing and documentation skill.

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IC2201	INTERIOR DESIGN STUDIO II	CONTACT HRS/WK =08	CREDITS =08 (L=0,S=8,W=0)
Focus :	Residential anthropometry Human scale, space/form and the design process. Articulation and space-planning for residential spaces.		
Contents :	<p>UNIT 1 Understand spatial elements and their relationships with one another.</p> <p>UNIT 2 Emphasis on functional planning and organization of spaces Emphasis on light, movement and ventilation in space planning.</p> <p>UNIT 3 To develop character of a space (single function) through exploration of material as a tool. Choice of elements, material technology based on articulation and combination of space modulation and characterization.</p> <p>UNIT 4 Organizational setup and its application onto design based division of space, order in space, activity linkage patterns, and movement as space, form, function, furniture organization, height, scale, proportion, material, surface texture and colors.</p> <p>UNIT 5 Representation of ideas through sketches, working models, drawings, collages, photomontages etc.</p>		
Projects :	Residence, Dwelling units, dormitory, hostel living, studio apartment		
Method:	Case Studies, measured drawings, discussions, readings and analysis.		
Skills:	Understanding circulation as an organizing element of space planning.		
Outcome:	Students will develop a sense of creating a satisfying experience of residential living.		

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IC2202 ARCHITECTURAL GRAPHIC AND TECHNIQUES – II (AGT–II)		CONTACT HRS/WK =03	CREDITS =03 (L=1,S=3,W=0)
Focus :	Drawing Skills as tools to Design thinking, visualization and representation.		
Content :	<p>UNIT 1: Measured drawing of a building and Interior space and elements.</p> <p>UNIT 2: Understanding of development of surface through models, and its representation in 2 dimensions.</p> <p>UNIT 3: Intersection of solids & development of surfaces through models and drawings.</p> <p>UNIT 4: Sciography: study of shadows of simple and composite forms and its representation in 2D</p> <p>UNIT 5: Measuring an existing interior / architectural space and its representation in technical drawing form.</p>		
Method :	Demonstration, model making, presentation, lecture, outdoor/indoor photography, light and shadow studies.		
Skills:	Develop skill of giving depth to objects/settings by sciography and perspective drawing.		
Outcome:	Students shall develop skills to graphically represent their drawings along with presentation techniques.		

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IC2203	HISTORY OF INTERIOR DESIGN	CONTACT HRS/WK = 02	CREDITS = 02 (L=2,S=0,W=0)
Focus :	Study of different cultures, their process of synthesis, concepts, choice of elements and principles of visual order and development. Impact of industrialization in development of new forms and styles.		
Contents:	Understanding interiors of various styles in reference to change in lifestyle through study of space making elements and principles used UNIT 1: Middle ages – Romanesque, Byzantine style, Gothic style, Renaissance , Baroque and Rococo style UNIT 2: Styles of colonial period in India Styles in Islamic and Mughal period UNIT 3: Impacts of Art and craft movement ; Impact of industrialization in development of new forms and styles Art deco style UNIT 4: Impact of Modernism and Postmodernism Architecture on Interior Design, Works of Master Interior Designers		
Method :	Case studies, lectures, presentations, readings.		
Skills:	Develop an understanding of external influences on design of furniture and interior space making.		
Outcome:	Comprehend the impact of traditional design and processes/ motifs in making of modern and contemporary interior design.		

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IC 2204 CONSTRUCTION MATERIAL AND APPLICATION-II		CONTACT HRS/WK=04	CREDITS=03
			(L=1,S=3,W=0)
Focus :	Advanced materials used in construction of Buildings		
Content :	<p>UNIT 1: Openings: Design standards & criteria for placement of openings. Relationship of space planning and openings. Construction sequence & fitting of various openings. Introduction to definition & terminology of opening. Explorations of typologies and their applications:</p> <p>UNIT 2: Types of openings and its exploration of materials.</p> <p>UNIT 3: Construction of openings out of steel, Aluminum, M.S. Glass etc.</p> <p>UNIT 4: Wooden doors and windows · Panel · Flush · Batten</p> <p>UNIT 5: Specifications of openings: Understanding & exposure of Hardware used like Hinges, Handles, Fasteners, Locking devices etc. Understanding of opening with relation to partition</p>		
Method :	Studio Exercises and case studies, Site Visit to various factories, processing sites etc.		
Skills:	Develop an ability to identify and design various types of opening keeping in mind the materials and settings.		
Outcome:	Understanding of materials and construction of building elements, conventional practices etc		

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IC2205	COMMUNICATION SKILL II	CONTACT HRS/WK=0	CREDITS =01 (L=0,S=0,W=0)
Focus :	Spoken English		
Content :	Unit 1 Reading Fluency : Introduction; Reading strategies; Techniques of Reading Developing Unit 2 Reading Comprehension Writing : Mastering the final skill: Paragraphs writing; Business letters ; Unit 3 Report / MOM Writing ; E-mail etiquette ;Telephone conversation		
Method :	Demonstration and practicals		
Skills:	Students shall get well-versed with the use of language and the technicalities of communication skills in the profession.		
Outcome:	Students shall get well-versed with the use of language and the technicalities of communication skills in the profession.		

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IC2206 CAD-I		CONTACT HRS/WK= 03	CREDITS =02 (L=0,S=0,W=3)
Focus :	CAD – 2D Modeling		
Contents:	UNIT 1: Introduction to various graphical software commonly used in designing. UNIT 2: AUTOCAD- 2D drawings All commands UNIT 3: CAD–2D drafting through softwares like AutoCAD, Sketch Up, etc. Basic concepts of 3d Modeling UNIT 4: Presentation of final drawings		
Method :	Hands on, demonstration in lab.		
Skills:	Ability to make a full set of computer drawings.		
Outcome:	Using software for generation of well rendered set of design drawings		

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IC2207 WORKSHOP II (CARPENTRY)		CONTACT HRS/WK= 03)	CREDITS =02 (L=0,S=0,W=3)
Focus :	Wood as working material.		
Contents:	<p>UNIT 1: Detailed study about types of wood. Studying and comparing characteristics of wood such as structure, properties of various types, textures, and its availability.</p> <p>UNIT 2: Tools used for working: hand tools and machine tools. Principles of woodworking machinery. Precautions for safety in the workshop. Cutting the wood with different types of tools and study of its impressions on wood and also to understand the feeling of the materials.</p> <p>UNIT 3: Making various types of wood joints to examine its strength and find out its use in building construction and furniture industry. Cutting and joining of boards of various kinds</p> <p>UNIT 4: Understanding various types of finishes on wood.</p>		
Method :	Hands on and actual working in workshop		
Skills:	Develop an understanding for selection of type of wood for a particular purpose.		
Outcome:	Students shall become proficient enough to explore the various possible products/ joinery from wood.		

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IC 2208	ELECTIVE II	CONTACT HRS/WK= 02	CREDITS =02 (L=0,S=0,W=3)
Focus :	To help students in exploring their aptitudes and in developing skills in fields of their choice.		
Content :	<p>A number of subjects shall be offered depending on faculty availability. Students may register for any one of the offered courses for the semester.</p> <p>Courses that may be offered from time to time :</p> <p>IE 2208/1 – Photography IE 2208/2 – Sketching IE 2208/3 - Theatrics IE 2208/4 – Printmaking IE 2208/5 –Decorative Accessory Making</p>		
Method :	Hands on, workshop, Seminar, Reading, film studies, discussion		
Skills:	Students by themselves will be able to explore the skills that they have learnt in Elective in the allied subjects and studio.		
Outcome:	Enhanced learning in core subjects with support from elective exploration.		

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SECOND YEAR OF B.I.D: SEMESTER III	
IC-2301 INTERIOR DESIGN STUDIO III (MATERIAL BASE) CONTACT HRS/WK = 10 CREDITS = 10 (L=0,S=10,W=0)	
Focus :	Understanding of Commercial requirements in terms of scale, nature and importance with an insight customer psychology – their expectations and aspirations, ambience
Contents:	<p>UNIT 1 Design efficiency in terms of movement pattern, relationship between display, storage and sales; exploring customer-owner behavioral pattern, efficiency in function in function and activities.</p> <p>UNIT 2 Material exploration, colour, texture of finishing and furnishing materials.</p> <p>UNIT 3 Basic understanding of construction techniques and sequence</p> <p>UNIT 4 Beginning of an attempt at basic conceptualization in terms of general layout, related services, overall theme.</p> <p>UNIT 5 Representation of final drawings and model</p>
Projects:	Small commercial spaces like fast food corners, saloons, shops etc
Method :	Case studies, discussions, studio work, making questionnaire and conducting surveys
Skill:	<p>Students get the ability to understand and design small and medium scale building projects. Enable to express the ideas in the form of 2D representation and 3D modeling and views. Gain knowledge about the design process and its various faces to solve a design problem. They will be able to solve the design problem functionally, Services, structurally, Acoustic sound insulation materials, Daylight, Circulation, and aesthetically.</p> <p>Students understand how to work in the professional context.</p>
Outcomes:	Will be able to work out a proposal for commercial space

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IC 2302 ELEMENTS OF STRUCTURES		CONTACT HRS/WK = 2	CREDITS = 2 (L=2,S=0,W=0)
Focus :	Understanding basic Elements of Structural Systems, Structural Materials and their behaviour		
Contents:	<p>UNIT 1: Understanding structural elements in a building and the role played by each one of them load distribution in the said building.</p> <p>UNIT 2: Understanding the significance of each element in giving stability to the overall structure thereby questioning/confirming the structural system of the building.</p> <p>UNIT 3: Understandings regarding structural members in design of furniture and interior space making elements like partitions, dividers etc.</p> <p>UNIT 4: Exploration of building materials to suit the structural requirements of interior space and the furniture.</p>		
Method:	Lectures, presentations, model making exercises, case studies		
Skills :	Ability to suggest removal/retention of structural members in existing situations.		
Outcome :	Learn to work with the existing situation as far as the structural system of the building is concerned.		

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IC-2303 SERVICES I		CONTACT HRS/WK = 02	CREDITS = 02
(L=2,S=0,W=0)			
Focus :	Understanding Services as an internal part of a good interior design proposal - Water supply & Water disposal, lighting & electrification		
Contents:	<p>UNIT 1: Water Supply: Sources, elements of the Systems, layout and design of system, connections with Municipal supply.</p> <p>UNIT 2: Waste Disposal: Sullage and sewage various systems of waste removal and disposal, fitting & elements of the system, layout design. Bathroom Fixtures, accessories, fittings - Resource File. Connection to out-door drainage system, size requirements, types of pipe available in market Principles of drainage, drainage lines, Materials and accessories.</p> <p>UNIT 3: Understanding electrification, constituent electrical loads, switches, gears and devices</p> <p>UNIT 4: Estimation of costs incurred from the above services in any Interior Design proposal. Understanding the necessity of making service drawings for an interior design proposal.</p>		
Method :	Lectures, presentations, through films/documentaries, site visit, case studies		
Skills:	Ability to design a services' perfect interior design project.		
Outcome :	Students will understand the significance of making good service drawings for a professional project.		

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IC 2304 CONSTRUCTION MATERIAL & APPLICATION- III		CONTACT HRS/WK = 03	CREDITS = 03
(L=0,S=3,W=0)			
Focus :	Creating awareness of modern materials accessories in views of Interior Design particularly in Kitchen Design		
Contents:	<p>UNIT 1: Plastics, Glass, Modern materials</p> <p>UNIT 2: Kitchen Layout, accessories, services Work Triangle and dimensions</p> <p>UNIT 3: Materials for various elements of kitchen and criteria for selection of materials</p> <p>UNIT 4: Working details</p> <p>UNIT 5: Preparation of Kitchen drawings and details Details of Storage Cabinets · Understanding Roofs & its options-Functional Requirements; Flat roof structures - flat roof materials / finishes; Pitched Roofs · Functional requirements of Ground Floors & Upper Floors</p>		
Method :	Case studies, discussions, presentations, site visits,		
Skills:	Ability to develop layout and work out details in given conditions.		
Outcome :	Students understand and learn Architecture and interior design construction details and in kitchen design and construction details. Designing, Anthropometric, circulation, triangle moment diagram, services, building standards and norms, Accessories, building materials, climate study, wall section and part details.		

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IC-2305 VERNACULAR DESIGN I		CONTACT HRS/WK = 03	CREDITS = 02 (L=3,S=0,W=0)
Focus :	Exploring the various distinct styles of vernacular arts existing in the different regions of India..		
Contents:	<p>UNIT 1: Definition of Vernacular designs: Importance and factors determining the character of vernacular designs</p> <p>UNIT2: Approaches and concepts used - Aesthetic, Anthropology, Architectural, Geographical, spatial, Ecological, Behavioral and Developmental.</p> <p>UNIT3: Cultural aspects, symbolism, color, art, materials of construction and construction techniques of Northern India, Gujarat, Kerala & Tamilnadu. Examples related to the same.</p> <p>UNIT 4: Contemporary projects by various nationally & internationally acclaimed Designers using vernacular elements & characters.</p>		
Method :	Case Studies, Readings, analytical studies		
Skills:	Develop Research and analytical skills		
Outcome :	<p>The students understand traditional architecture built in various cultural and geographical regions of India with an emphasis on spatial types, use, materials, construction and building process.</p> <p>The students explore the various approaches, definition, concepts and typologies of the vernacular designs of a region for better understanding, comprehension and interpretation.</p> <p>The students also explores the role of indigenous materials and climate in the elements, ornamentation, layout and character of residential and public buildings</p>		

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IC 2306	CAD- II	CONTACT HRS/WK= 04	CREDITS =02 (L=0,S=0,W=4)
Focus :	Thorough application of knowledge of 2D & 3D drawings.		
Content :	<p>UNIT 1 Layer, Block and XRef Creating layers and assigning objects Using layer properties manager Editing object properties Inserting blocks Attaching external references Preparing layout and plotting; Annotation; Hatch, Super hatch</p> <p>UNIT 2 Dimension editing Presentation & detail drawing preparation Isometric view</p> <p>UNIT 3 Introduction to 3 D Solid modeling Editing and visualizing solids Rendering and presentation</p> <p>UNIT 4 Other rendering software</p>		
Method :	Hands-on Practice in Computer Lab		
Skills:	Be well conversant in generating Computer Drawings		
Outcome :	<p>The students will be equipped with a range of digital tools and techniques in 2D drafting, 3D modeling, visualization of projects.</p> <p>The concepts of CAD drafting methods and techniques in 2D and 3D through various architectural communications.</p>		

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IC-2307 WORKSHOP III (METAL)		CONTACT HRS/WK= 03	CREDITS =02 (L=0,S=0,W=3)
Focus :	To get feel of various metals, to explore metal by working with it Comparative analysis of various metals and their design parameters		
Content :	<p>UNIT 1: Types of metals and their properties</p> <p>UNIT 2: Various methods of working with different metals, fixing and joinery details</p> <p>UNIT 3: Forms of interior elements used in interiors Various finish for different metals</p> <p>UNIT 4: Design and make/fabricate a prototype/ object/accessory/piece of furniture in metal</p>		
Method :	Case Studies, site visit, hands on workshop		
Skills:	Ability to design/create a prototype in metal.		
Outcome:	Enhancing the skills in designing, joinery details, casting process method and practical knowledge of various types of metals, and section application in different design projects. Critical understanding of visual ideas and meaning; to acquire skills in the communication and representation of ideas and concepts in interior design.		



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IC-2308 ELECTIVES-III		CONTACT HRS/WK= 03	CREDITS =02	(L=0,S=0,W=3)
Focus :	To help students in exploring their aptitudes and in developing skills in any related field like painting, sculpture, sketching ceramic work, photography etc.			
Contents :	<p>A number of subjects shall be offered depending on faculty availability. Students may register for any one of the offered courses for the semester.</p> <p>Courses that may be offered from time to time :</p> <p>IE 2308/1 – Painting IE 2308/2 - Photography IE 2308/3 - Pottery & Ceramic IE 2308/4 - Sculpture IE 2308/5 – Bamboo work</p>			
Method :	Hands on, workshop, Seminar, Reading, film studies, discussion			
Skills:	Students by themselves will be able to explore the skills that they have learnt in Elective in the allied subjects and studio.			
Outcome:	Enhanced learning in core subjects with support from elective exploration.			



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SECOND YEAR OF B.ARCH: SEMESTER IV



IC-2400 Related Study Program		CONTACT HRS/WK= 03	CREDITS =01 (L=0,S=0,W=3)
Focus:	Understand large scale office organization, its work Pattern and Hierarchy.		
Content:	<p>UNIT 1: Conduct visits to various Corporate offices/ organizations. Understand Client profile and their vision</p> <p>UNIT 2: Understand circulation, organizing design elements. Vision of the designer</p> <p>UNIT 3: Elements of corporate language into built space, hierarchy of the organization Use of color, texture, material, pattern, accessories in evolving a corporate language</p>		
Method:	Case studies, discussions, studio work, making questionnaire and conducting surveys		
Skills:	Ability to evaluate a structured formal ambiance for a formal and functional purpose.		
Outcome :	Will learn how to get permission for visit and measured drawing of the organization, understand how vision and mission of the corporate firms gets translated in physical space design and how elements of Interiors, colour application and lighting design accentuate the designed environment.		

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IC-2401 INTERIOR DESIGN STUDIO IV (Corporate organization) CONTACT HRS/WK = 10 CREDITS = 10 (L=0,S=10,W=0)	
Focus	Creating a character for a corporate commercial corporate set up through a meaningful interior Environment.
Contents :	<p>UNIT 1 Understanding to see interior designing as a comprehensive total process incorporating a systematic design approach and conscious image building</p> <p>UNIT 2: Understand circulation, organizing design elements. Vision of the Corporate organization corporate/ office space with all the levels of complexity (space organization, furniture details, services details, structural issues, material details) ,</p> <p>UNIT 3: internal work pattern, system and methodology of functions, hierarchy of staff members & their duties, space analyze with interior details, Service oriented issues, different & special types of spaces also their requirements, All services;</p> <p>UNIT 4: Furniture typology as per the office spaces. Connectivity between internal spaces, punctuality & systematic organization pattern & culture in office spaces. Analysis of human's behavior in such spaces. Work distribution pattern systematically as per the hierarchy of their designations. need to understand all the required finish levels which can be maintained (allowance of maintenance in space</p> <p>UNIT 5: Translating the corporate ethos into interior space thereby creating a language and an identity</p>
Projects :	Design a corporate/branch office in the given premises.
Skills :	Ability to design a meaningful functional environment for a formal use.
Outcome :	<p>Understand how to work in a professional context.</p> <p>The students will be equipped with the knowledge of the basic understanding of materials in Interior Design.</p> <p>Gain knowledge about the design process and its various faces to solve a design problem.</p> <p>Students get the ability to understand the latest technologies for interior design. Impart knowledge on Designing, structure system, material exposure, construction details, HVAC, electric services, fire safety, security and fire fighting system.</p>

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IC-2402 FURNITURE DESIGN I		CONTACT HRS/WK = 03	CREDITS = 03	(L=0,S=3,W=0)
Focus :	Understanding Ergonomics as a scientific base to develop comfort criteria for human activity specifically in furniture design.			
Contents :	<p>UNIT 1 Ergonomics-its basic theory and relationship with human comfort criteria</p> <p>UNIT 2 Measured drawing of available pieces of furniture and its analysis</p> <p>UNIT 3 Furniture Design awareness ergonomics principle in furniture design</p> <p>UNIT 4 Analysis of materials and construction methods off furniture design in residential interior</p> <p>UNIT 5 Design of furniture for a given brief</p>			
Method :	Case studies and analysis, studio work, model making			
Skills:	Ability to apply relevant anthropometric aspects and human factors in designing.			
Outcome:	<p>Students will understand about the various anthropometric aspects, human factors & other design criteria involved in the design through small scale furniture.</p> <p>Gain knowledge about the pragmatic aspects of ergonomics and comfort.</p> <p>Students understand the relationship of form, materials, and development of dimensions in the design of furniture with reference to space.</p>			

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IC-2403 Services - II		CONTACT HRS/WK = 2	CREDITS = 02	(L=2,S=0,W=0)
Focus :	(A) Schematic layout of electrical supply (B) Distribution and firefighting system. (C) Schematic layout of HVAC			
Content :	<p>UNIT 1: HVAC: - Study of different types Air-conditioning systems for different types of buildings – HVAC Standards</p> <p>UNIT 2: FIRE SAFETY: - Mechanism of fire spread in building and prevention – Fire safety standards – Concepts in fire protection-Fire Fighting installation and requirements - Heat sensitive detectors – Smoke detectors – Automatic water sprinkler system Foam systems.</p> <p>UNIT 3: LIGHTING AND ELECTRICAL: - Electrical wiring system – different materials employed and methods of wiring. - Different electrical gadgets and fittings, Switchboard, distribution board, mains, fuse, meter, circuit breaker etc.- Basic electrical layout for a residence, Earthing for electricity appliances, Electrical installations for services such as air-conditioning systems, lifts, escalators, pumps etc.</p> <p>UNIT 4: Integrated representation of all the services in drawings indicating all its components</p>			
Method:	Lectures, presentations, case studies, site visits, expert talks			
Skills:	Apply knowledge of services in design of interior space planning.			
Outcomes:	Students will be able to understand the role of services and their interdependency by preparing detailed service layouts with their design concerns. They will be able to understand technical method of electric supply and distribution network, plumbing layouts and fixture details, HVAC, fire fighting system.			

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IC-2404 CONSTRUCTION MATERIAL & APPLICATION - IV CONTACT HRS/WK= 03 CREDITS =03 (L=0,S=3,W=0)	
Focus :	Understand staircase, mezzanine, creating partitions in large flexible areas like lounges and its related elements
Contents :	<p>UNIT 1 Mezzanine Floors (wooden / steel / RCC)</p> <ul style="list-style-type: none"> ● Materials ● Leather ● Wooden ● Ceramic Tiles ● Carpeting firing <p>UNIT 2 Staircase in detail (wooden / steel)</p> <ul style="list-style-type: none"> ● Functional requirements ● Timber stairs ● Concrete stair ● Metal stairs <p>UNIT 3 Finishes of staircases & fixing details</p> <p>UNIT 4 Partitions in large open spaces</p> <p>UNIT 5 Design of a partition and staircase for the given set of conditions.</p>
Method :	Lectures, site visits, presentations, case studies, model making, drawings
Skills:	Ability to propose after a thorough and well-informed choice of type of building element and the corresponding construction material and details.
Outcome:	Students will be able to understand and learn through the application in design, different types of structural systems, and construction details of the staircase, partitions, and mezzanine floor.

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IC-2405 ENVIRONMENTAL SCIENCE (CLIMATE) (L=2,S=0,W=0)	CONTACT HRS/WK= 2	CREDITS =02
Focus :	Built Environment & Climate	
Contents :	<p>UNIT 1 Thermal comfort & principles of Thermal Design. Ventilation – Air movement & fenestration, solar orientation, Sun path pattern & shading devices.</p> <p>UNIT 2 Design Tools – Mahoney Tables, Sun Path diagrams, etc.</p> <p>UNIT 3 Day lighting – components, architectural methods of borrowing day light; control of glare.</p> <p>UNIT 4 Study of various climates in India, its classification, characteristics, requirements for wind, light, thermal insulation, etc through colours and manipulation of interior elements and design.</p>	
Method :	Lectures, presentations, case studies and analysis	
Skills:	Ability create comfort conditions within the given building envelope	
Outcome:	Understand the importance of climatic conditions and their impact on interior built environment	

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IC-2406 DIGITAL GRAPHICS & ART (L=0,S=0,W=4)	CONTACT HRS/WK= 04	CREDITS =2
Focus :	Various software learning for designing & presentations, for Building modeling, poster, visiting card, report front page and collage to visualization software applied to architectural design. Learning software (AutoCAD 3D, Sketch Up and Photoshop)	
Contents :	UNIT 1 AUTOCAD 3D UNIT 2 SKETCH UP UNIT 3 PHOTOSHOP UNIT 4 Make presentation drawings using the mentioned software	
Method :	Hands on practice in Computer lab	
Skills:	Ability to create well rendered computer drawings	
Outcomes:	The students benefit by learning software that helps them to better visualize complicated forms and also helps in producing photo-realistic images of those 3D forms. The students benefit by learning software that helps them with digital drafting in AutoCAD, final sheets editing and poster design in Photoshop, and building visualization in 3d in Sketch Up.	



IC-2407 Workshop IV (Clay & Ceramic)		CONTACT HRS/WK= 03	CREDITS =02
(L=0,S=0,W=3)			
Focus :	Design, Techniques and Methods of working with clay		
Contents :	UNIT 1 Clay:-Introduction to mud and clay as a material. Process and techniques of forming and decorating using clay as a material. UNIT 2 Making an object out of clay using different tools and techniques. UNIT 3 Ceramic :- ceramic building techniques surface treatments glazing techniques sculptural forms functional forms		
Method :	Hands on training		
Skills:	Ability to work with a plastic and moldable material		
Outcome :	Basic understanding of material handling for creative ideas.		

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THIRD YEAR OF B.I.D.: SEMESTER V	
IC-2501 DESIGN STUDIO V CONTACT HRS/WK = 10 CREDITS =10 (L=0, S=10, W=0)	
Focus :	Understanding the making of Working Drawings for an Interior Design Project.
Contents :	<p>UNIT 1: Thorough understanding of project execution on site, including building services through a combined studio and construction programme.</p> <p>UNIT 2: Learning to make highly evolved technical drawings with specifications.</p> <p>UNIT 3: Thorough understanding and preparation of Execution drawings of building construction operations chronologically on site.</p> <p>UNIT 4: Preparation of drawing in coordination of building services' as worked out by consultants.</p> <p>UNIT 5: Construction drawings with micro details.</p>
Method :	Construction Site visits, material exploration, market surveys
Skills:	Develop skill for coordination of all construction related activities.
Outcomes:	Will be able to Prepare a full set of working drawings for a project preferably previous semesters Studio project (in part of full) computerized working drawings not desirable.



IC-2502 FURNITURE DESIGN II		CONTACT HRS/WK = 04	CREDITS = 03 (L=0, S=04, W=0)
Focus :	Understanding elements of furniture used in a commercial interior		
Content :	UNIT 1 Thorough understanding of anthropometrics and ergonomics. UNIT 2 Relationship between function and dimensions of furniture. UNIT 3 Forms of display units and its design, materials, finishes, various operations. UNIT 4 Elements of furniture including shop front-its lighting, window display etc. UNIT 5 Presentation by detailed drawings, understanding of construction techniques		
Method:	Measured drawing, case studies and analysis, material market survey		
Skills :	Develop an ability to design comfortable furniture pieces.		
Outcome:	Understand modern product development processes. Understand and explain the concept of Industrial design and robust design concepts. Understand the concept of Design for manufacture and assembly. Understand the legal factors, social issues, engineering ethics related to product design.		



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IC-2503 = NPTEL COURSE CONTACT HRS/WK = 03 CREDITS = 02 (L=0, S=, W=3)	
Focus :	To help students in exploring their aptitudes and in developing skills in fields of their choice.
Content:	As detailed out in the course
Method :	Enroll in an ongoing NPTEL Course related to Interior Design/Architecture program
Skills:	
Outcomes:	





IC-2504 CONSTRUCTION MATERIAL & APPLICATION - V CONTACT HRS/WK = 02 CREDITS = 02 (L=2, S=0, W=0)	
Focus:	Understanding space divisions through different interior elements.
Contents:	<p>UNIT 1: Partitions - various styles / wardrobes / kitchen cabinets;</p> <p>UNIT 2: Types of Partitions - Simple Partitions, Movable Partitions, space dividers, sound proof partitions.</p> <p>UNIT 3: Paneling - Purpose / Materials used for Paneling. Paneling in Plywood, Ply board, wood, laminating their fixing techniques.</p> <p>UNIT 4: False Ceiling - Purpose / Materials used for ceiling - different types of false ceilings, their fixing techniques</p>
Method:	Lecture, presentations, site visits and case studies, model making
Skills	Designing interior elements appropriate to the context.
Outcomes:	Ability to evaluate the need of the type of partition, paneling and/or false ceiling.





IC-2505 LANDSCAPE IN INTERIOR DESIGN CONTACT HRS/WK = 02) CREDITS = 02 (L=2, S=0, W=0)	
FOCUS:	Landscape as an important element of Interior space design.
CONTENTS:	<p>UNIT 1: Understanding Ecology, Ecosystem, environmental conservation</p> <p>UNIT 2: Principles of Landscape design, its techniques and application Elements of Landscape: Landforms, plant materials, water, rocks, lighting etc.</p> <p>UNIT 3: Historical and contemporary attitudes to landscape in Indian and other context.</p> <p>UNIT 4: Types of Soils, plant materials (trees, shrubs, ground covers, creepers, flowering and non-flowering rocks and stones, water bodies. Surfacing Materials, landforms, manmade elements.</p>
METHOD:	Lecture, Presentation, case studies
SKILLS	Will be able to create landscape design for interior spaces.
OUTCOMES:	Students would learn various approaches, concepts & Application of landscape in interior design.

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IC-2506 RESEARCH METHODOLOGY CONTACT HRS/WK = 03 CREDITS = 02 (L=0, S=0, W=3)	
Focus :	Understanding the methodological approach to carry out a research based programme in order to Design an interior project involving a set of complex issues.
Contents:	<p>UNIT 1: Nature and function of research, scientific research, meaning of research in the field of architecture/ Design</p> <p>UNIT 2: Types of Research, Pure and Applied research.</p> <p>UNIT 3: Stages of research and design; design and research methodology Techniques of data collection; Quantitative and qualitative research</p> <p>UNIT 4: Forms of research reporting, structure of a report Writing skills, presentation aids; Use of primary and secondary references, bibliography, notations, cross reference etc.</p>
Method :	The course must be conducted as a mix of lectures/discussions with a number of assignments and Exercises to impart the skills necessary for carrying out the dissertation. Preparation of a viable proposal for the next semester's dissertation work is expected by the end of the semester.
Skills	Students will learn how to present project proposal involving in depth studies.
Outcomes	The student will develop the skill to identify, decipher and interpret issues relating to Interior based on research enquiry methods The student will gain knowledge of different methods of conducting Research and Research Writing

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IC-2507 PROFESSIONAL PRACTICE- I		CONTACT HRS/WK = 02	CREDITS = 02 (L=2, S=0, W=0)
Focus :	Methods for working out quantities and costs to make an estimate of the project with all specifications. Management of the projects based on time and budget		
Contents:	<p>UNIT – I Types of measurements, modes of measurements: methods of taking out quantities, preparation of schedule or bill of quantities.</p> <p>UNIT – II Rate analysis of various items of work: preparation of various items of work in the interior works.</p> <p>UNIT – III SI measurements system, SI nomenclature methods. Dimensional and modular coordination, modules and modes of measurements practiced by various agencies. Specification types, specification contents, standards developed by trade and industry, government agencies.</p> <p>UNIT – IV Estimating interior items manually and through spreadsheet programmes. Specification writing Proforma, order writing, scheduling etc.</p>		
Method	Lectures, case studies, Interviews		
Skills:	Students will develop a skill for finding out the cost of an interior design proposal.		
Outcomes	Students will learn to modify design proposal by amending specifications and design details in order to meet with the budget requirements,		

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IC-2508 WORKSHOP V (GLASS / PLASTIC)		CONTACT HRS/WK = 04	CREDITS = 02 (L=0, S=0, W=4)
Focus :	Understanding plastic as a material and its related products; Understanding glass as a material; Developing innovative forms		
Contents:	<p>UNIT 1: Properties of plastics, FRP, acrylic etc.</p> <p>UNIT 2: Processing plastics, use of molds and dyes; Application of plastic and plastic based materials in interior design</p> <p>UNIT 3: Properties of glass Types of glass –structural glass, architectural glass</p> <p>UNIT 4 Processing in glass making; Commercial application of glass; Advantages and disadvantages of using glass</p>		
Method:	Presentations, Hands-on in workshop.		
Skill:	Develop skill in working with plastic and glass.		
Outcomes:	Student Learn process & application of Glass & Plastic in Interior Design.		

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IC-2601 INTERIOR DESIGN STUDIO-VI(OFFICE TRAINING)		CONTACT HRS/WK = 40	CREDITS = 20
(L=0, S=40, W=0)			
Focus :	Exposure to office environment –duties and responsibilities		
Contents:	<p>Understanding methods of working of various professional interior designers-making design brief, client meetings Design development, presentation drawings, working drawings, specifications and tender.</p> <p>Site supervision</p> <p>Coordination with various agencies-clients, members of design team, various consultants, contractors, craftsmen etc.</p>		
Method:	Internship in a professional setup/office of an Interior designer		
Skill:	Familiarize yourself with various tasks and activities in a professional office.		
Outcomes	First- hand experience of how an Interior Designer’s office operates.		

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IC-2602	ARTICLE NARRATIVE	CONTACT HRS/WK = 05	CREDITS = 05 (L=0, S=0, W=5)
Focus :	Understanding of Article Narrative & writing.		
Contents:	<p>UNIT 1 Fundamentals of writing, use of language, phrases and idioms</p> <p>UNIT 2: Technologies and journals; Regional, National and International discussion forums; Public Discourse on the Internet, Mass Media and Public Opinion</p> <p>UNIT 3 Contemporary architectural journalism; methods and techniques of Journalism</p> <p>UNIT 4 Code of Ethics and Press Laws;</p>		
Method:	Reading and analysis, conducting Interview, discussions, debates		
Skill	Ability to develop narrative skill as well as writing skill in areas relating to Interior Design/projects.		
Outcome:	Will be able to write/report on projects in architecture terms.		





IC 2701 INTERIOR DESIGN STUDIO VII CONTACT HRS/WK = 12		CREDITS = 12
		(L=0, S=09, W=03)
Focus :	To understand Interior spaces with adaptive re-use purpose at Urban scale	
Contents:	<p>UNIT 1 Understanding value in an old/historical property.</p> <p>UNIT 2 Detailed site analysis of Heritage Urban Space,</p> <p>UNIT 3: Condition mapping and assessment of the said Property</p> <p>UNIT 4: Understand, design and implementation processes related to conservation,</p> <p>UNIT 5: Propose design innovation to revive and reuse the Urban Heritage</p>	
Method:	Case Studies, Analysis and discussion, site visits	
Skills:	Develop a value for Conservation	
Outcome:	Develop an attitude for Conservation	

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IC 2702 SMART DESIGN I (PRODUCT)		CONTACT HRS/WK = 3	CREDITS = 3 (L=0, S=03, W=0)
Focus :	Understand and implement urban furniture geometry with the focus of modular furniture system		
Contents:	<p>UNIT 1 Analysis of furniture and its structural members, joinery, limitations of sizes due to material selection and transportation</p> <p>UNIT 2 Design Elements, Various Materials, Finishes, Construction Techniques, Fixture and Fittings, Furniture for Institutional Organizations,</p> <p>UNIT 3 Modular Furniture, Easy to Assemble Furniture Design Projects, Construction sequence, Framing Time of Construction, Techniques and cost of Mass Production etc,</p> <p>UNIT 4 Stall and Moving Exhibitions design</p>		
Method:	Case studies, site visits, reading and analysis		
Skills:	Develop ability to think in Modular terms.		
Outcome:	Student shall be able to address the Interior Design level complexity and challenges in case of specially designed modular furniture system		

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IC 2703 CONSERVATION CONTACT HRS/WK = 2 CREDITS =1 (L=01, S=0, W=1)	
Focus :	Understand conservation and adaptive re use in relation to interior design
Contents:	<p>UNIT 1 Need and importance of Conservation, Urban Conservation, Values, World Heritage sites in India Management of conserved buildings, landscape management,</p> <p>UNIT 2 Conservation of Historic Sites, buildings and monuments, Causes of decay</p> <p>UNIT 3 Understanding Conservation processes , limitations, identifying Historic sites and the effective timeline to conserve in the specific monument, ethics of conservation</p> <p>UNIT 4 Various terms used in conservation, Case studies of Adaptive Reuse.</p>
Method	Seminars, lectures, presentation, case studies
Skills:	Ability to respect heritage/old cultural property
Outcome:	Develop and attitude for conservation of an old property

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IC 2704 ACOUSTICS & ILLUMINATION CONTACT HRS/WK = 2		CREDITS = 2 (L=2, S=0, w=0)
Focus :	Understanding Sound Control as an important element in creating comfort; Lighting as natural and designed necessity and developing various design approaches towards lighting design for Interior Spaces.	
Contents:	<p>UNIT 1 Fundamental Properties and characteristics of sound. Noise: Physiological and Psychological impact of noise on human beings. Measures to control noise nuisance (Air borne and Structure borne) in residential, educational, commercial, and Industrial areas</p> <p>UNIT 2 Behavior of sound in open and enclosed spaces with reference to the form of enclosures, and various surface finishes. (Reflection, Absorption, Diffraction, Insulation, Transmission, Echo, Resonance, Reverberation etc.)</p> <p>UNIT 3 Reverberation time, Sabine's formula along with the limitations and prerequisites. Acoustical design measures for live acoustical environment in enclosures used for various purposes</p> <p>UNIT 4 Light and its propagation, reflection, radiation, transmission and absorption. Definitions and units of flux, solid angles, luminous intensity, brightness etc. Laws of illumination, types of illumination schemes Standards of Illumination required for various activities. Types of Luminaires for interior and exterior lighting. Residential, commercial, industry, flood and street lighting.</p>	
Method	Lecture, presentation, case studies	
Skills:	Develop an ability to improve interior environment	
Outcome:	Interior Designing with effective implementation for acoustical and illumination design as a part of the design development process.	

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IC 2706 BEHAVIOURAL SCIENCE		CONTACT HRS/WK = 1	CREDITS = 1 (L=01, S=0, w=1)
Focus :	Introduction to Behavioral Science Developing an awareness about how social dimensions play an important role in interior design. Understanding society and its elements. Culture & its understanding.		
Contents:	<p>UNIT 1: Essential elements of Society - Bio-socio-cultural societies. Characteristics of human society. Social Norms, their origin and classification, Status and role, ascribed and achieved statuses, Primary groups and Secondary groups, Family and its problems.</p> <p>UNIT 2 Characteristics of Urban Social life, Process of Urbanization in India, Urbanization and industrialization. Social problems of Urban life.</p> <p>UNIT 3 Definition and scope of environmental psychology, unit of built environment-factors affecting it. Color and human behavior, size and shape of room, ambient environment. Personal space and territoriality., Furnishing and Furniture; Single Family Housing and Multiple Family Housing, Institutions –Hospitals, Commercial Environment, Offices - behavior in workplaces.</p>		
Method	Presentation, case studies, lectures, behavior mapping exercises		
Skills:	Understand patterns of human behavior		
Outcome:	Developing an awareness towards the psychological responses created due to particular type of environment,		





IC 2707 WORKSHOP V (Textile/ Weaving/ Printing) CONTACT HRS/WK = 3 CREDITS = 2 (L=0, S=0,W=3)	
Focus :	Understanding fabrics as element of interior space making Understanding through observation and actually working out-weaving, printing of various types of fabrics
Contents:	<p>UNIT 1 Introduction to fibers and yarns, table loom /floor loom, preparing warp, setting up loom for weaving, basic weaves and their variations, type of weaves and its quality for upholstery ,curtains and floor coverings</p> <p>UNIT 2 Rugs and durries - motifs, design, patterns and colour variations</p> <p>UNIT 3 Introduction to printing - elements and principles of textile printing, Block Printing-developing block, understanding material used, colour type and their mixing process, various colour printing</p> <p>UNIT 4 Screen printing- design evolution for wall hanging, preparing screen and understanding the technique, printing on paper and printing on fabric</p>
Projects:	Stitching / dying/printing related project development
Skills:	Ability to understand the properties of fabric as a material for interior space design.
Outcome:	Students will be able to apply their understanding of type/texture of fabric to various elements of interior design projects.

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IC 2708	THESIS ORIENTATION	CONTACT HRS/WK = 4	CREDITS = 2 (L=8, S=0, W=3)
Focus :	To develop assimilation, synthesis and application of research in Interior Design.		
Contents:	<p>Each student is expected to prepare a design thesis based on the preliminary work undertaken in the Interior design studio under an approved guide.</p> <p>Thesis should reflect the knowledge gained from all the courses undertaken by the student in all the previous semesters. The particulars of the schedule, content, presentation, format etc shall be strictly followed.</p> <p>Students shall identify research questions or Hypothesis as per the area of interest in the field of Interior Design and emphasize the need of such a research to be taken up for a thesis project to be worked upon in the final semester. The various stages of study shall include:</p> <p>Literature review</p> <p>Case studies.</p> <p>Developing a framework for analysis of case studies</p> <p>Criteria for site selection</p> <p>Tentative design programme/proposal</p>		
Method	Readings, referencing, discussion, presentation, case studies, questionnaire making, conducting surveys, interviews		
Skills:	Preparing a proposal based on observation and analysis		
Outcome:	As a design Student, Learning and researching the newer knowledge, synchronizing and establishing the new knowledge scientifically shall be required and inculcated in the students through this subject.		

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IC 2801 INTERIOR DESIGN STUDIO VIII (DESIGN THESIS) CONTACT HRS/WK = 22 CREDITS = 20	
(L=0, S=18, W=04)	
Focus :	Inquiry by design - designing a space for the chosen subject/in a selected field after detailed study of various aspects.
Contents:	<p>The area of work chosen by the student with the guidance of a faculty member/s could be in any of the areas in the field of Interior Design for example</p> <ul style="list-style-type: none"> ● History and theory of Interior Spaces - its application/validity to present day context. ● Interior Design language in various culture, art and craft forms and its relevance into interior spaces. ● Mass production of various interior elements ● Material search to replaces conventional Furniture elements ● Urban Interiors ● Softer elements of Interior Spaces ● Graphics and space Transformation ● Space psychology and human behavior etc
Method:	Case studies, reviews, crit, discussions, readings
Skills:	Develop an ability to see a project through from a simple observation to a final design resolution.
Outcome:	Thesis is intended to evaluate the student's capacity and maturity in the field of Interior Design.

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IC 2802 ENTREPRENEURSHIP		CONTACT HRS/WK = 3	CREDITS = 2 (L=1, S=0, w=2)
Focus :	To understand the Office Development aspects required as a Professional		
Contents:	<p>UNIT 1: Entrepreneurship: Concept, knowledge and skills requirement; characteristic of successful entrepreneurs; role of entrepreneurship in economic development;</p> <p>UNIT 2: Starting design consultancy, drawing business plan; preparing project report;</p> <p>UNIT 3: Functional plans: marketing plan – marketing research for the new venture, steps in preparing marketing plan, contingency planning; organizational plan: form of ownership, designing organization structure, job design, manpower planning; Financial plan: cash budget, working capital, Pro Forma income statement Pro Forma cash flow, perform balance sheet, break even analysis</p> <p>UNIT 4: Sources of finance: debt institutions supporting entrepreneurs; legal issues: intellectual property rights patents, trade-marks, copyrights, trade secrets, licensing, franchising</p>		
Projects:	Case study of any one entrepreneurial venture in all the key aspects mentioned above.		
Skills:	Will develop an attitude of Social Entrepreneurship.		
Outcome:	Students shall be able Identify new possibilities related to the Interior Designing Practices.		



IC 2803 Website Design		CONTACT HRS/WK = 5	CREDITS = 3 (L=0, S=0, w=05)
Focus :	Developing an insight into marketing interior design practice through a website.		
Contents:	<p>UNIT 1 Introduction ,Concept of WWW, Internet and WWW, HTTP Protocol : Request and Response, Web browser and Web servers, Features of Web 2.0</p> <p>UNIT 2 Web Design: Concepts of effective web design, Web design issues including Browser, Bandwidth and Cache, Display resolution, Look and Feel of the Website, Page Layout and linking, User centric design, Sitemap, Planning and publishing website, Designing effective navigation</p> <p>UNIT 3 HTML, Basics of HTML, formatting and fonts, commenting code, color, hyperlink, lists, tables, images, forms, XHTML, Meta tags, Character entities, frames and frame sets, Browser architecture and Web site structure. Overview and features of HTML5</p> <p>UNIT 4 Style sheets , Need for CSS, introduction to CSS, basic syntax and structure, using CSS, background images, colors and properties, manipulating texts, using fonts, borders and boxes, margins, padding lists, positioning using CSS, CSS2, Overview and features of CSS3</p> <p>UNIT 5 JavaScript ,Client side scripting with JavaScript, variables, functions, conditions, loops and repetition, Pop up boxes, Advance JavaScript: Javascript and objects, JavaScript own objects, the DOM and web browser environments, Manipulation using DOM, forms and validations, DHTML : Combining HTML, CSS and Javascript, Events and buttons</p>		
Method	Workshops, hands on		
Skills:	Design a well structured Website		
Outcome:	Students shall be able to learn hands-on experience with web designing tools.		