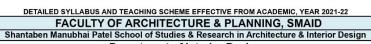
DETAILED SYLLABUS AND TEACHING SCHEME EFFECTIVE FROM ACADEMIC, YEAR 2021-22

FACULTY OF ARCHITECTURE & PLANNING, SMAID

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



FIRST YEAR OF M.I.D : SEMESTER I			
MD 101 INTERI DESIGN)]	OR DESIGN STUDIO	O-I [USER CENTR	ED DESIGN-(ECO DESIGN/ SUSTAINABLE
CONTACT HRS	s/WK = 12 (L=0),S=9,W=3)	CREDITS =12
FOCUS:	Healthcare Transfor	mation Services	
CONTENTS:	environment and edenergy and water a such demands on condesign. Hence, this UNIT 1: Therapeutic Environand its patient profile	onomy of the surrou and produce large ar ommunity resources concern will be taken ment - A comprehens	that have a significant impact on the nding community. They are heavy users of nounts of waste. Because hospitals place they are natural candidates for sustainable care of in the studio. Sive understanding of the facility's mission
	Cost-Effectiveness; UNIT 3: Cleanliness and Sar Accessibility Standa Circulation control si requiring constant m In addition to the ge particular security co UNIT 4:	Flexibility and Expan nitation, organic wast rds- designed so as t ystem. A hospital is a novement of people a neral safety concerns oncerns.	e disposal o be easy to use. complex system of interrelated functions
	hospital's public ima UNIT 5:	9	portant marketing tool.
METHOD:	Case studies and lite and their application	erature reviews to ex through Design stud	olore various concepts in Design seminar io Program.
SKILLS:	Handling of a multi o	disciplinary design pro	ogram.
OUTCOME:	effectiveness, flexibi They will be able to	lity and expandability evaluate and recomn	apply principles of efficiency, cost of infrastructure in a hospital. nend contemporary and healthcare physical design.







	MD 102 SMART DESIGN - I (PRODUCT) CONTACT HRS/WK=3 (L= 0,S=3,W=0) CREDITS = 03		
FOCUS:	Product architecture and Design for manufacturing		
CONTENTS:	UNIT 1: Strategic importance of product development – integration of customer, designer, material supplier and process planner, UNIT 2: Competitor and customer – behavior analysis Understanding customer – promoting customer understanding – involve customer in development and managing requirements UNIT 3: Organization – process management and improvement, Plan and establish product specification. Activity of concept generation; Structured approaches; UNIT 4: Five step Method: clarify – Search - externally and internally – explore systematically – reflect on the solutions and processes – Concept selection. UNIT 5: Component standardization – Product performance. Estimation of Manufacturing cost		
METHOD:	Hands on experiments with different materials, conceptualization to production process and methods, group discussions and evaluation		
SKILLS:	Creative and Critical thinking and problem solving		
OUTCOME:	Students will be able to apply creative processes/techniques in synthesizing information, problem solving and critical thinking. They will be able to create fabrication methods to build prototype models for products including its packaging.		

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MD 103	CONSERVATION
CONTACT HR	
FOCUS:	Conservation of historical monuments, buildings, Furniture, Artwork and sites
CONTENTS:	UNIT 1 Interior Architectural Conservation: Need and Importance of conservation of historical monuments, buildings, furniture, Artwork and sites.
	UNIT 2 Urban Conservation: Identification of areas for conservation; Approaches and techniques.
	UNIT 3 Landscaping, maintenance and management of conserved areas or buildings.
	UNIT 4 Reference studies: Case studies from India and abroad.
	UNIT 5 Restoration of old buildings – materials, techniques and equipment, Deterioration and preventive measures.
METHOD:	Reference studies, case studies, theoretical exploration, place/ site selection and evaluation, presentations
SKILLS:	Heritage preservation and conservation, Balancing cultural heritage with changing trends
OUTCOME:	Students will be able to evaluate the concept and theory of Conservation. Understand the need and the techniques of conservation



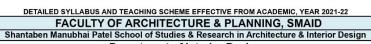
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	DUSTICS AND ILLUMINATION
CONTACT HE	1 , , , ,
FOCUS:	Understanding Sound and its impact on interior spaces and vice versa Lighting as a décor rather than as a utility.
CONTENTS	UNIT 1 Fundamental Properties and characteristics of sound Noise: Physiological and Psychological impact of noise on human beings. Noise criteria for various spaces viz: Living areas, Educational areas, Offices, Shopping etc. Measures to control noise nuisance (Air borne and Structure borne) in residential, educational, commercial, and Industrial areas
	UNIT 2 Behavior of sound in open and enclosed spaces with reference to the form of enclosures, and various surface finishes, Acoustical materials along with their properties, behavior, selection criteria, use, and construction details.
	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
	UNIT 4 Light and its propagation, reflection, radiation, transmission and absorption;definitions. Laws of illumination, types of illumination
	UNIT 5 Standards of Illumination required for various activities. Light flux method for calculation of number of lamps for illumination. Types of Luminaires for interior and exterior lighting.
METHODS:	Reference studies, standards and codes, case study to explore physical work, analysis
SKILLS:	Acoustical Design skills and illumination correctness evaluation skills
OUTCOME	Students will be able to understand and apply the correctness of surfaces in terms of their reflective/absorptive properties. Understand and apply the theory and technique of subtle illumination for its dramatic effect.











	DFESSIONAL PRACTICE -I
CONTACT HO	
FOCUS:	Understanding Contracts and Tender documents. Coordination of the implementation of design as per the standards desired by the designer within a timeframe.
CONTENTS:	UNIT 1 Role of an interior designer, His/her responsibilities and liabilities with respect to client and society, his/her duties, power and functions.
	UNIT 2 Tendering, Contracts and Articles of agreement, execution of contract, appointment of clerk of works, site supervisor, contractor and subcontractor Etc.
	UNIT 3 Organizing work tasks, analyzing work tasks in a scientific manner, Coordination between various tasks/activities, Techniques for scheduling, sequencing various tasks.
	Understanding Bar Chart, Network diagrams, Project evaluation and Review Technique (PERT), Critical Path Method (CPM).
	UNIT 4 Money Flow (finances) and discharge of work tasks, Coordination with various crafts-people, designers, consultants, etc,.
METHOD:	Theories and codes, Assignments, Group Discussions, project review and analysis
SKILLS:	Professional and responsible design skills, project management skills
OUTCOME:	Students will be able to understand and apply the professional approach to their work system. They will be able to do critical project management for their projects.

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

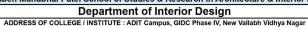


MD 106 BEHAVI	
CONTACT HRS/	· · · · · · · · · · · · · · · · · · ·
FOCUS:	Developing awareness about how social dimensions play an important role in interior design. Understanding society and its elements, Culture and its understanding.
CONTENTS:	UNIT 1 Essential elements of Society - Bio-socio-cultural societies., Characteristics of human society; Social Norms, their origin and classification, Status and role, ascribed and achieved statuses.
	UNIT 2 Primary groups and Secondary groups, Family and its problems. Characteristics of Urban Social life, Process of Urbanization in India, Urbanization and industrialization, Social problems of Urban life.
	UNIT 3 Definition and scope of environmental psychology, unit of built environment-factors affecting it. Colour and human behavior, size and shape of room, ambient environment. Furnishing and Furniture.
	UNIT 4 Personal space and territoriality. Single Family Housing and Multiple Family Housing. Institutions - Hospitals. Commercial Environment, Offices - behavior in work places
	Commercial Environment, Onices Senavior in work places
METHOD:	Theories, Presentations, Group Discussions, case studies and assignments
SKILLS:	Understanding of Psychological environment and responsive design skills
OUTCOME:	Students will develop an awareness towards the psychological responses created due to particular type of environment

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MD 107 W	ORKSHOP(TEXTILE WEAVING/ PRINTING) /WK=3 (L=0,S=0,W=3) CREDITS = 02
FOCUS:	Understanding fabrics as element of interior space making Understanding through observation and actually working out- weaving, printing of various types of fabrics.
CONTENTS:	UNIT 1 Introduction to fibres and yarns, table loom/floor loom, preparing warp, setting up loom for weaving, basic weaves and their variations. Variation in weaves and design quality, weaves and its quality for upholstery, curtains and floor coverings UNIT 2
	Rugs and darries - motifs, design, patterns and colour variations
	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
	UNIT 4 Screen printing - design evolution for wall hanging, preparing screen and understanding the technique, printing on paper and printing on fabric
METHOD:	Hands on exercises and experiments, Expert workshops, workshops/ field visits, presentation, reports and workshop submissions.
SKILLS:	Textile weaving and printing skills
OUTCOME:	Students will be aware of different typeS of textile processes and their vivid use in design.

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	TIVES-I (REVIT AND RHINO)
CONTACT HRS/W	
FOCUS:	To help students in exploring their aptitudes and in developing skills in REVIT AND
2011751:50	RHINO(Exploring parametric software for design)
CONTENTS:	Hands on practice of the software for better and precise design resolutions
METHOD:	Demonstration and hands on learning under expert guidance
SKILLS:	Digital representation of Design work
OUTCOME:	Students will be able to enhance their software skills for professional type
	resentations.



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FIRST YEAR OF M.I.D : SEMESTER II	
MD 201 INTERIOR DESIGN STUDIO -II	
CONTACT HRS/V	
FOCUS:	Design development and optimization using components, sub-systems and full vehicle (virtual) prototypes.
CONTENTS:	This subject will encompass a wide range of design opportunities using a mix of technological applications and innovation with function and style, various stages from benchmarking, concept evaluation and validation,
	UNIT 1 Automotive Styling and Design: Automotive Design- Scope and Directions; New Vehicle Product Design and Development; Vehicle Design Trends, Vehicle Styling Process
	UNIT 2 Studios, Resources, Skills and Tools, Vehicle Package, Detailed sessions by design experts on: Cars, two wheelers, Commercial Vehicles, Concept vehicles, show cars, futuristic vehicles UNIT 3
	Exterior Design: Components of Exterior design, Materials and Processes- Traditional and New; Exterior Trends- Global and Indian,; Exterior Sketching (doodle, sides, perspective)
	UNIT 4 Interior Design: Components of Interior design; Interior Trends- Global and Indian Seating buck, functional changes and Ergonomics;
	UNIT 5 Interior Sketching (doodle, perspective)Interior Models Instrument Panel, Displays and Controls, Colour, Material, Finish Experience and Interaction, Technology and Future
METHOD:	Case studies and literature reviews to explore various concepts in Design seminar and their application through Design studio Program.
SKILL:	Precise material selection, its handling skills and detail design skills for a space in motion
OUTCOME:	Students will be able to analyze and apply ergonomic design principles in automobiles. They will be able to formulate the relevant methodology for evolving solutions for interior spaces while in motion.

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MD 202 SMART CONTACT HRS	DESIGN- II (FURNITURE DESIGN) WWK = 02 (L=2,S=0,W=0) CREDITS = 02
FOCUS:	System of Mass Production and Modular Furniture design parts/systems
CONTENTS:	UNIT 1 Introduction; Materials and Processes ;Tools, equipment and maintenance of work areas
	UNIT 2 Sustainable Process Technology, Product Modeling Quality Engineering, Health and Safety issues
	UNIT 3 Ergonomics, Aesthetics, Design Failure Analysis Mass production and packaging
	UNIT 4 Installation of modular furniture
METHOD:	Hands on experiments with different materials, conceptualization to production process and methods, group discussions and evaluation
SKILLS:	Creative and Critical thinking and problem solving
OUTCOME:	Students will be able to apply tools and methods to develop future products with contemporary themes.

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	DIAN ARTS AND CRAFTS
CONTACT HOU	
FOCUS:	Revival of Indian Arts and Crafts through Interior Designing
CONTENTS:	Knowing in detail the various arts, crafts, paintings etc, of each state in details, understanding its process of making and possibilities of its application in interior designs UNIT 1 Clay, terracotta crafts and metal crafts UNIT 2 Cane, Bamboo and Wood Crafts UNIT 3 Folk paintings and Paper Maché crafts UNIT 4 Textile crafts
METHODS:	Reference studies, Literature studies, art theories, presentations
SKILLS:	Knowhow and applicability of Indian art and crafts
OUTCOME:	Students will be able to appreciate and enhance their repertoire of known arts and crafts in India, for relevant application in interior spaces.

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	AL TECHNOLOGY-II
	DURS/WEEK =04 (L=0,S=0,W=4) CREDITS =02
FOCUS:	Learning a technology where walls are panels (electronic) and are used to change the display and ambience.
CONTENTS:	UNIT 1 Using 3D technology – generate a range of material that targets your area of interest and promotes your design skills, model your selected project using any of the Adobe Illustrator, Photoshop, InDesign
	UNIT 2 Storyboard of animation
	UNIT3 High quality renders of design studio Texture and create scenes in three-dimensional environments. Consideration of materiality/lighting/human scale and photo realism
	UNIT 4 An animated 3D model of your project (Presentation of Studio I and II) Design portfolios reflecting three-dimensional modeling skills.
METHOD	
METHOD:	Software exploration and understanding, hands on exercises, assignments
SKILLS:	Three dimensional modeling skills
OUTCOME:	Students will be able to develop computer models to create photorealistic renderings and walkthroughs.

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MD 205 SERVICES CONTACT HRS/WK = 02 (L=2,s=0,w=0) CREDITS = 02		CDEDITS - 02	
FOCUS:	Services in Interior Design		ONLDIIS - UZ
	J		
CONTENTS:	UNIT 2 Electrical services, conduit UNIT 3 Heating, Ventilation and A UNIT 4 Fire safety, Alarm syste walkways etc, Computer r	ir conditioning Services ms, and other mechanical services networking and Internet cabling s	vices like elevator, escalator,
METHOD: SKILLS:		udies, site visits and reports,	s in design execution
		ncies and overlapping of services	
OUTCOME:	Students will be able to e resolution of all services.	enhance efficiency of the interior	r spaces through appropriate

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	Y AND CRITICISM OF INTERIOR DESIGN
CONTACT HOU	
FOCUS:	Interior Design criticism as a ground for further developing and defining distinctive
CONTENTO	qualities and possibilities in its field.
CONTENTS:	UNIT 1
	Literary criticism contributed in varying ways to the development of diverse fields such as
	Semiotics, psychoanalysis, film studies, and cultural theory.
	Semiotics, psychoanalysis, min studies, and cultural theory.
	UNIT 2
	Study of Vitruvius theory, Cultural studies theory etc.
	UNIT 3
	Comparative analysis of theories studies
	UNIT 4
	Relevance of the studied theories through multiple case studies
	UNIT 5
	Evolving a theoretical premise for Interior Design practice.
METHOD:	Reference studies, Literature studies, Case study to explore physical work, Critical
	analysis
SKILLS:	Critical thinking in design
J. CINILLO.	
OUTCOME:	Students will be able to articulate relationships between theory, history, culture and
	spaces.
	Will understand the significance of criticism.

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MD 207 ELEC	ΓIVES-II		
CONTACT HR		(L=0,S=0,W=3)	CREDITS =02
FOCUS:		s in exploring their aptitudes and	in developing skills in any related
	field or		
	in the field of the		
CONTENTS:		ects shall be offered as Electives.	
	These electives	shall be offered depending on the	expertise/ faculty availability.
METHOD	N/atlanda manus	m. fuere field to field serves to serve	
METHOD:	ivietnods may va	ry from field to field course to cour	se
OKIL L O:	Obill developmen	4 in a subjective 4 - 4b - a basic - a f field	1
SKILLS:	Skill developmen	t is subjective to the choice of field	1.
OUTCOME:	Ctudonto will be	able to appreciate and appeared th	air ayarall ayraarianaaa yith ahaaan
OUTCOME:	Students will be	ture their hobbies into more define	eir overall experiences with chosen
	electives and hul	ture their hobbles into more define	ed and structured way

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SECOND YEAR OF M.I.D : SEMESTER III		
MD 301 INTERIOR DESIGN STUDIO - III		
CONTACT HRS/W	. , , , ,	
FOCUS:	Importance of Design details in public places, Impact of aesthetics on society at large	
CONTENTS:	UNIT 1 Concepts of urban interiors and image of city Understanding the psychology of human in mass, their requirements and needs UNIT 2 Circulation and movement: design criteria and considerations Accessibility Standards- designed so as to be easy to use. UNIT 3 Form and shape, Color, Texture ,Light and shadow in Urban interiors, Artificial illumination, landscape Aesthetics for creating a refreshing environment, enhancing the public life Unit 4 Relevant codes and standards, addressing special needs and services UNIT 5 Going beyond functional aspects Large scale public areas, Airports, Metro stations, Exhibition centers/ Convention centers, Markets/Malls, Multiplexes,	
METHODS:	Public area site visits and surveys, group discussions, personal discussions, case studies and literature reviews, expert interviews, concept derivation, proposal making.	
SKILLS:	Designing for a mass user group/complex/universal group	
OUTCOME:	Students will be able to understand and apply principles of efficiency, cost effectiveness, robust yet beautiful designs for public use. They will be able to evaluate and recommend contemporary urban furniture/products/systems for urban interior spaces	

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MD 302 THEORY	OF AESTHETICS
CONTACT HRS/V	. , , , ,
FOCUS:	The multifaceted relationships between interior design pedagogy and aesthetics
CONTENTS:	UNIT 1 Aesthetics: Interior design and architecture as a continuous design discipline; Western aesthetics and Indian Aesthetics. UNIT 2 Aesthetics: Form and shape, Color, Texture ,Light and shadow, Relating the spaces, surfaces and interior designing with Aesthetics. Interior design in terms of ethics and functional considerations of content or activity, its image, composition and visual effect. UNIT 3 Relation between the traditions of Architecture and aesthetics; Understanding theconcept of 'Critical Judgement'. UNIT 4 Aesthetic theory as a historically embedded form of narration, interpretation, and concept building. Aesthetic theories and unique insights, styles, and motifs, inquiries into the aesthetic.
METHODS:	Reading literature, Group discussions, presentations, assignments, field study, survey
SKILLS:	Develop a sense of Aesthetic design skills
OUTCOME:	Students will understand the role of aesthetics in design, its physical form and its impact on the individual and society at large.

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MD 303 ESTIMATION AND BUDGETING CONTACT HRS/WK =03 (L=1,S=0,W=2) CREDITS =02		
FOCUS:	K =03 (L=1,S=0,W=2) CREDITS =02 Estimation for project cost, duration, material, labor and overall budgeting	
CONTENTS:	UNIT 1 Estimation and calculation of quantities of each material used in the project. Types of estimates used.	
	UNIT 2 Writing detailed specifications for each material/item used, for a given project. Importance of specifications in interior design projects.	
	UNIT3 Rate analysis and budgeting for furniture/ decorative accessories	
	UNIT 4 Estimation, rate analysis, specification and budgeting of an interior design project.	
METHODS:	Lectures, group works, hands on activity, site studies, field work,	
SKILLS:	Project estimation and budgeting skills will be developed.	
OUTCOME:	Students shall be able to: Use and apply various elements and principles of estimation. Understanding the importance and purpose of estimation. Learning the mode and method of estimation, different stages of estimate and the item work description. They will be able to Exercise measurement book, working out quantities of various materials of interiors.	

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MD 304 RES	EARCH METHODOLOGY (PRE-THESIS) RS/WK = 05 (L=1,S=0,W=4) CREDITS = 03
FOCUS:	Introduction to Qualitative and Quantitative Research Methodology, characteristics, data collection tools, type of sampling and its analysis. Importance of research and report writing.
CONTENTS	UNIT 1 Types of research; Research process and development; research applications; features of a Good research study.
	UNIT 2 Process of defining a research problem; design decision v/s Research problem; Problem identification process; formulating the Research hypothesis – Types of Research hypothesis; Types of research proposal;
	UNIT 3 Writing of research Proposal – contents of a research proposal; Nature and classification of research Design.
	UNIT4 Classification of research data; questionnaires; conceptual methods for checking Hypothesis. Research reports- Detailed Report v/s Brief Report; Structure of Research report writing; Rules and Guidelines formulation for various types of Data and Resource presentation.
	UNIT 5 Ethical code; importance of ethics in research work, code of conduct; ethical and responsible research practice.
METHODS:	Literature Study, Case Studies, Theories, Group Discussions, Personal Discussions, Surveys
SKILLS:	Authentic research work Identification and preparation
OUTCOME	Understanding of general Research methods in design. Students will be able to understand the ethical research process and report formulation. Students will be able to identify the overall process of designing a research study from its inception. They will be able to do relative reference study and literature reviews for respective research work Students will be able to distinguish Qualitative and Quantitative research study and its application.

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MD 305 ELECTIVES – III		
CONTACT HO		
FOCUS:	To help students in exploring their aptitudes and in developing skills in any related field or in field of their own interest	
CONTENTS	A sough an af subjects about the affined as Floatings	
:	A number of subjects shall be offered as Electives. These electives shall be offered depending on the expertise/ faculty availability.	
METHODS:	Methods may vary from field to field.	
SKILLS:	Skill development is subjective to the choice of field.	
OUTCOME:	Students will be able to appreciate and enhance skills and will be useful for relevant application in interior spaces.	



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	SECOND YEAR OF M.I.D : SEMESTER IV	
MD 401 INTERIOR DESIGN STUDIO IV (THESIS)		
CONTACT HRS	WK = 24 (L=0,S=20,W=4) CREDITS = 20	
FOCUS:	Intent of the thesis process is to enable their research and design abilities on identifiable fields and exhibit as an application for a design project.	
CONTENTS:	The Research and base work studies done in Research methodology, Pre-thesis - Dissertation will create a base for development of design programs.	
	The Thesis Project process will include subject description, identification of field, fundamentals of design criteria, identification of project, its scale and complexity, identification of scope of work.	
	Referential studies: Literature studies, Case studies, User activity analysis, Identification and Prioritization of activity and its Hierarchy.	
	The process for Thesis Project will include – Description, Case Study, Site Study-Analysis and Inferences, Development of specific Design Guidelines, Design Program and Area Requirements, Conceptual Development, Design Development, Final Design, Presentation.	
	Design Development: Concept and Theme Development: Enclosures and envelops to formulate the volumes, response to functional spaces; Responding to functionality and aesthetics: Derivation of quantitative aspects of spaces based on Psychology, Behavior, furniture / equipment, Anthropometry, Ergonomics, Layout, Circulation, etc.	
	Technical decisions- Constructional details and Material specification- Exploration and selection responding to functionality and aesthetics; Decisions for aesthetics: Color, textures, patterns, surface finishes, ornamentation, furnishings, interior Landscaping, etc.	
	Services - Mechanical and Environmental System: HVAC, electrical, firefighting, sanitary and plumbing, security, telecommunications, lifts, escalators, lighting and acoustical systems etc.	
METHODS:	Research based design inquiry, literature studies, case studies, group and personal discussions, site visits and field work, Design derivations, critical evaluation of design.	
SKILLS:	Design Finesse and excellence	
OUTCOME:	With completion of the thesis, students will be able to encompass the learning and understanding of the two years of the course with respect to all aspects of Interior Design.	

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	DFESSIONAL PRACTICE II DURS/WEEK =02 (L=2,S=0 ,W=0) CREDITS =02
FOCUS:	Interior Design As A Profession; Professional Conduct Professional Associations: Interdisciplinary and International association Affiliations
CONTENT S:	UNIT 1 History of Profession; Professional Affiliations. UNIT 2
	Professional Ethics: Life Safety, Confidentiality, Conflict of Interest, User Advocacy, Competence
	UNIT 3 Professional Conduct: Responsibility to The Public; Responsibility to The Client; Social Responsibility, Licensing and Registration; The Legal Environment of Interior Design Practice, Intellectual Property—Copyright
	UNIT 4 Terms of engagement and Professional ethics
METHODS:	Reference studies, codes and legal document references, presentations, survey, group discussions, assignments
SKILLS:	Ethical marketing and professional practice.
OUTCOME :	This course will enable student's transformation into responsible and professional design practitioner

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Department of Interior Design

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	CTIVES- IV DURS/WEEK =04 (L=0,S=0,W=4) CREDITS =03
FOCUS:	To help students in exploring their aptitudes and in developing skills in any related field or in field of their own interest
CONTENT S:	A number of subjects shall be offered as Electives. These electives shall be offered depending on the expertise/ faculty availability.
METHODS:	Methods may vary from field to field.
SKILLS:	Skill development is subjective to the choice of field.
OUTCOME :	Students will be able to appreciate and enhance their overall experiences with chosen electives and nurture their hobbies into more defined and structured way