SJCC
VALUES IN VISUALS

St Joseph College of Communication
Media Village, Changanassery

BA (Hons)
Interior Architecture & Artistry

Programme Outcome
Course Outcome

St Joseph College of Communication
Media Village, Changanassery
Affiliated to Mahatma Gandhi University, Kottayam, Kerala
Vision: Transforming Media for a Wholesome World
Founded in 2004

BA INTERIOR ARCHITECTURE & ARTISTRY (HONOURS)

PROGRAMME OUTCOME

COURSE OUTCOME

PROGRAMME OUTCOMES (PO)

PO1: Critical Thinking and Analytical Reasoning: Capability to analyze, evaluate and interpret evidence, arguments, claims, and beliefs based on empirical evidence; reflect relevant implications to the reality; formulate logical arguments; critically evaluate practices, policies and theories to develop knowledge and understanding; able to envisage the reflective thought to the implication on the society.

PO2: Scientific Reasoning and Problem-Solving: Ability to analyze, discuss, interpret and draw conclusions from quantitative/qualitative data and experimental evidence; and critically evaluate ideas, evidence and experiences from an unprejudiced and reasoned perspective; capacity to extrapolate from what one has learned and apply their competencies to solve problems and contextual is into research and apply one's learning to real-life situations

PO3: Multidisciplinary/ Interdisciplinary/ Transdisciplinary Approach: Acquire interdisciplinary /multidisciplinary/transdisciplinary knowledge base as a consequence of the learning they engage with their programme of study; develop a collaborative - multidisciplinary/ interdisciplinary/transdisciplinary approach for formulating constructive arguments and rational analysis for achieving common goals and objectives.

PO4: Communication Skills: Ability to reflect and express thoughts and ideas effectively in verbal and nonverbal ways; Communicate with others using appropriate channels; confidently share one's views and express herself/himself; demonstrate the ability to listen carefully, read and write analytically, and present complex information in a clear and concise manner and articulate in a specific context of communication

PO5: Leadership Skills: Ability to work effectively and lead respectfully with diverse teams; setting direction, formulating a goal, building a team that can help achieve the goal, motivating and inspiring team members to engage with that goal, and using management skills to guide people to the right destination, in a smooth and efficient way.

PO6: Social Consciousness and Responsibility: Ability to contemplate the impact of research findings on conventional practices, and a clear understanding of responsibility towards societal needs and reaching the targets for attaining inclusive and sustainable development.

PO7: Equity, Inclusiveness and Sustainability: Appreciate equity, inclusiveness and sustainability and diversity; acquire ethical and moral reasoning and values of unity, secularism and national integration to enable to act as dignified citizens; able to understand and appreciate diversity, managing diversity and use of an inclusive approach to the extent possible.

PO8: Moral and Ethical Reasoning: Ability to embrace moral/ethical values in conducting one's life, formulate a position/argument about an ethical issue from multiple perspectives, and use ethical practices in all work. Capable of demonstrating the ability to identify ethical issues related to one's work and living as a dignified person in the society

PO9: Networking and Collaboration: Acquire skills to be able to collaborate and network with scholars in an educational institution, professional organizations, research organizations and individuals in India and abroad.

PO10: Lifelong Learning: Ability to acquire knowledge and skills, including "learning how to learn", that is necessary for participating in learning activities throughout life, through self-paced and self-directed learning aimed at personal

development, meeting economic, social and cultural objectives, and adapting to changing trades and demands of the workplace through knowledge/skill development/deskilling.

Course Outcomes

BA(Honours) Interior Architecture and Artistry

Semester - I		
ELEMENTARY DESIGN - I **Major** Discipline Specific Core (DSC-A)	CO-1	Recognize and recall the elements and principles of design and differentiate between positive and negative space, understanding their impact on design.
	CO-2	Implement principles of composition like grids and the rule of thirds in design projects.
	CO-3	Critically analyse and defend the selection of compositional elements in design
	CO-4	Explain colour terminology and its application in design.
	CO-5	Analyse the psychological impact of colours and their meanings in different contexts and assess how to use colour in various functional and special situations.

PRINCIPLES OF DRAWING (Fundamentals of Drawing) Minor Discipline Specific Core (DSC-B)	CO-1	Recognize and recall various organic and inorganic forms found in nature, including trees, plants, flowers and fruits.
	CO-2	Comprehend the interplay of light and shadow on various objects and scenes, applying techniques to depict different shapes and forms realistically.
	CO-3	Apply principles of geometric drawing and perspective techniques, demonstrating an understanding of vanishing points and orthogonal lines
	CO-4	Execute representations of the human figure from live models, demonstrating understanding of human proportions and graphic representation in various postures
	CO-5	Compare and contrast different drawing styles and techniques

RASTER ILLUSTRATION (Basics of Digital Design) Minor Discipline Specific Core (DSC-C)	CO-1	Define raster images, list their advantages and explain the application areas of raster image editing and differentiate between image editing tools.
	CO-2	Demonstrate the process of starting a new composition in an image editing software and apply knowledge of the workspace to discover and navigate through UI areas.
	CO-3	List and categorize selection tools in raster illustration and to explain the purpose and use of layers and layer effects.
	CO-4	Understand the different colour modes and their significance and to apply selection tools for precise image editing

	CO-5	Apply masks, understand their role in image editing, analyse the impact of various filters on images and critically evaluate the benefits of working with camera RAW files.

DIORAMA Multi-Disciplinary Course (MDC)	CO-1	Understand the concepts of scales, perception, perspective scaling and scale down models.
	CO-2	Understand various types of materials used for production, methods and techniques of production and sourcing.
	CO-3	Understand nature and environment with emphasis on landscape and natural lighting through time span based observation, geographical relevance and seasonal variation.
	CO-4	Apply practical skills in miniature model making, landscape and understand environmental sets installation techniques.

Semester - II		
ELEMENTARY DESIGN - II **Major** Discipline Specific Core (DSC-A)	CO-1	Recognize and recall the elements and principles of design
	CO-2	Apply basic origami techniques to create 2D and 3D subjects, progressing to more complex projects and decorative elements for interiors and fine arts
	CO-3	Implement principles of composition like grids and the rule of thirds in design projects.
	CO-4	Critically assess and justify the choice of compositional elements in design, while explaining colour terminology and its application in design.
	CO-5	Analyse the psychological impact and meanings of colours in various contexts and critically evaluate colour choices in creating interior perspectives.

COLOUR & STROKES (Fundamentals of Drawing) Minor Discipline Specific Core (DSC-B)	CO-1	Demonstrate knowledge of different painting mediums, painting tools and equipment, and apply various painting techniques effectively
	CO-2	Understand the various methods and techniques in painting, such as wash, impasto and opaque techniques.
	CO-3	Understand and apply observational skills to study and recreate natural elements in oil pastels, watercolours and oil/acrylic paints
	CO-4	Recall and demonstrate the basic painting techniques, including flat washes, graded washes and dry brush techniques.
	CO-5	Analyse and appreciate landscape art techniques, applying them creatively to produce original artworks.

VECTOR ILLUSTRATIONS (Basics of Digital Design)	CO-1	Understand the advantages and applications of vector images.

Minor Discipline Specific Core (DSC-C)	CO-2	Differentiate between vector and raster images and navigate the vector editing software's workspace.
	CO-3	Demonstrate the process of starting a new composition and exploring the UI area of vector editing software.
	CO-4	Recall and identify various drawing tools and apply the use of layers, templates colour to enhance vector illustrations.
	CO-5	Apply advanced vector design techniques like text manipulation, layers, symbols, 3D mapping, Flash integration and blending modes for visually impactful projects, demonstrating design anatomy mastery.

DIORAMA II Multi-Disciplinary Course (MDC)	CO-1	Understanding design and craft of home decor elements and learning to find appropriate materials.
	CO-2	Analyse and identify the sequential processes involved in product production, from initial design to final packaging for distribution and sale.
	CO-3	Develop detailed hand drawings depicting their proposed sculpture, highlighting design elements, dimensions and structural considerations
	CO-4	Recognize and differentiate between available forms of material, understanding their characteristics and suitability for various home decor applications

Semester - III		
ENGINEERING GRAPHICS & ARCHITECTURAL DRAWING **Major** Discipline Specific Core (DSC-A)	CO-1	Identify principles, symbols and standards in engineering graphics, memorize essential drafting techniques and list key architectural drawing components.
	CO-2	Understand the purpose/significance of technical drawings in engineering/architecture and interpret the meaning of symbols, annotations, scales in technical drawings.
	CO-3	Analyse the quality and precision of technical drawings against industry standards and critically analyse the feasibility and practicality of design solutions presented in architectural drawings
	CO-4	Apply the technical drawing skills to meet drafting standards and enhance creative solutions via sketching/conceptual drawings.
	CO-5	Develop proficiency in using traditional drafting tools such as pencils, compasses and rulers. Enhance hands-on drafting skills for creating precise and detailed drawings

MATERIALSPECIFICATIONS-I **Major** Discipline Specific Core (DSC-A)	CO-1	Identify and describe the properties of various materials commonly used in interior design
	CO-2	Understand the factors that influence material selection, such as aesthetics, functionality, durability, sustainability, cost and compliance with building codes and regulations.

	CO-3	To apply their knowledge of materials and specifications to solve engineering problems and make informed decisions about material selection and design.
	CO-4	Understand the performance of materials under different environmental conditions considering factors such as wear and tear, maintenance requirements, resistance to moisture, heat and fire.
	CO-5	Develop critical thinking and problem-solving skills, enabling them to analyze complex design challenges, explore alternative solutions and make informed decisions about materials and specifications.

UPCYCLED ART (Minor for others) Minor Discipline Specific Core (DSC-B)	CO-1	Recall and identify various discarded objects suitable for upcycling.
	CO-2	Apply design concepts to develop innovative and aesthetically pleasing upcycled products.
	CO-3	Analyse and evaluate the suitability of modifications, considering both form and function.
	CO-4	Demonstrate unique and useful products from discarded materials.
	CO-5	Apply assembly techniques to bring together various components and elements of the up-cycled product, demonstrating the ability to bring a project to completion with attention to detail.

THEMATIC DESIGN Multi-Disciplinary Course (MDC)	CO-1	Define and identify natural elements suitable for design inspiration and explain the rationale behind the chosen theme based on identified elements.
	CO-2	Analyze the chosen theme into its constituent shapes, colours, and features, while integrating the physical and dynamic elements associated with the theme.
	CO-3	Understand the coordination of colours and relationships between various theme elements.
	CO-4	Apply acquired knowledge to synthesize design concepts, creating a unified product. Develop a detailed hand sketch and a compelling presentation to defend and critique design choices

ENVIRONMENTAL PROMOTION AND SOCIAL JUSTICE Value Addition Courses (VAC)	CO-1	Remember key definitions and interdisciplinary nature of environmental studies.
	CO-2	Understand various disciplines' contributions to holistic environmental understanding.
	CO-3	Apply the concept of the right to a clean environment in real-world scenarios.
	CO-4	Analyse environmental issues from multidisciplinary perspectives, including root causes.

EVOLUTION OF ART & ARCHITECTURE I Discipline Specific Elective (DSE)	CO-1	Recognize the distinguishing features and characteristics of different artistic and architectural styles
	CO-2	Interpret artworks and architectural structures within their historical and cultural contexts
	CO-3	Utilize visual analysis skills to describe and evaluate the formal elements of artworks and architectural structures.
	CO-4	Compare and contrast the similarities and differences between artworks and architectural structures from different periods, region and cultural contexts
	CO-5	Assess the aesthetic and cultural value of artworks and architectural monuments across different time periods and civilizations.

Semester - IV		
INTERIOR DESIGN STUDIO I **Major** Discipline Specific Core (DSC-A)	CO-1	Acquire essential knowledge in design principles such as balance, proportion, rhythm, contrast and unity and learn how principles contribute to effective design across various mediums.
	CO-2	Enhance skills in sketching, rendering and using design tools to learn techniques for visual communication and expression, including typography, colour theory and composition to analyse design problems, generate ideas and solutions.
	CO-3	Recognize and recall design history, movements and influential designers to understand how historical and cultural contexts influence design trends and practices.
	CO-4	Analyse ethical implications in design, such as accessibility, inclusivity and sustainability and how these factors impact their design decisions.
	CO-5	Understand the environmental, social, cultural, economic and ethical implications of design decisions to adopt sustainable design practices to minimize environmental impact and promote social equity and advocate for responsible design solutions.

SERVICES AND SPECIFICATIONS I **Major** Discipline Specific Core (DSC-A)	CO-1	Understanding Electrical PrinciplesDevelop a strong understanding of basic electrical principles, circuits and components.
	CO-2	Demonstrate knowledge of electrical safety procedures including proper grounding, use of personal protective equipment (PPE) and adherence to safety codes.
	CO-3	Recall about fire prevention measures and strategies to minimize fire risks in various settings.
	CO-4	Acquire practical skills in the installation and maintenance of lighting systems.
		Gain knowledge about various lighting fixtures and their applications in different spaces.

ENTREPRENEURSHIP AND CLIENT MANAGEMENT (Minor for others) Minor Discipline Specific Core (DSC-A)	CO-1	Analyse legal considerations, market dynamics and financial planning in interior design, integrating interdisciplinary skills for successful business management.
	CO-2	Understand strategic adaptability by evaluating market dynamics and emerging trends, adjusting entrepreneurial strategies accordingly.
	CO-3	Apply design communication, management and marketing skills for successful client interactions and high-quality design outcomes.
	CO-4	Analyse legal and financial risks specific to interior design, addressing human resource aspects for maintaining a positive work environment.
	CO-5	Apply innovation through specialization in interior design, understanding benefits and challenges of specialized areas.

SCULPTING AND INSTALLATION Minor Discipline Specific Core (DSC-B)	CO-1	Demonstrate proficiency in sculptural methods, from foundational principles to advanced techniques.
	CO-2	Demonstrate original and expressive sculptures utilizing a variety of techniques and materials, including both additive and subtractive methods, to generate sculptures in the round.
	CO-3	Analyse the principles of kinetic sculpture and apply them in own work.
	CO-4	Comprehend the principles of sculpture, including the relationship between form, space, and texture.
	CO-5	Recall and apply learned techniques for studying objects and executing safe clay firing procedures.
	CO-6	Compare and analyse sculptures based on compositional elements and artistic choices, while critically assessing one's own creative process and the effectiveness of sculptural compositions.
COMPUTER AIDED DESIGN I **Minor** Discipline Specific Core (DSC-C)	CO-1	Recall fundamental CAD concepts, memorize 2D drafting commands and remember isometric drawing principles and coordinate systems
	CO-2	Understand CAD software interface and functionalities, grasp technical drawing standards' significance in CAD and comprehend 2D drawing and isometric projection relationship.
	CO-3	Apply 2D drafting techniques for precise shapes, use isometric projection for 3D representation in 2D and effectively apply CAD tools for drafting and annotation.
	CO-4	Analyze technical drawings for accuracy, break down complex problems and evaluate layer management's impact on drawing organization.
	CO-5	Develop proficiency in 2D drafting with CAD software, enhance isometric projection skills for spatial accuracy and demonstrate effective collaboration via shared CAD files and documentation

EXTERIOR LANDSCAPING	CO-1	Recall the fundamental principles and factors involved in exterior landscaping and understand the relationship between plant

Skill Enhancement Course (SEC)		characteristics and landscaping design elements.
	CO-2	Apply knowledge of landscaping factors and principles to plan outdoor spaces effectively.
	CO-3	Analyse the suitability of different landscaping techniques and elements for specific environments.
	CO-4	Demonstrate innovative and functional landscape designs by integrating diverse elements to address specific environmental and user requirements effectively.

EVOLUTION OF ART & ARCHITECTURE II Discipline Specific Elective (DSE)	CO-1	Identify significant artists, architects and their major works within various historical contexts
	CO-2	Demonstrate an understanding of the cultural, social and historical contexts that influenced various art movements and architectural developments.
	CO-3	Analyse and interpret artworks and architectural structures, considering their symbolic meanings, cultural significance and the intentions of the creators
	CO-4	Compare and contrast different artistic and architectural movements in terms of style, technique and thematic content.
	CO-5	Analyse the aesthetic qualities, cultural significance and impact of specific artworks and architectural designs using informed and critical judgment.

ENVIRONMENTAL ART Value Addition Courses (VAC)	CO-1	Develop an understanding of the historical evolution and significance of environmental art, including its various types such as land art, site-specific art and sustainable art.
	CO-2	Analyse the relationship between art and nature, exploring the aesthetic challenges posed by the environment and the ways in which artists have responded to these challenges throughout history.
	CO-3	Apply knowledge of environmental aesthetics and sustainability principles to create environmentally conscious artworks, including miniature sculptures and architecture, using eco-friendly materials.
	CO-4	Demonstrate practical skills in identifying and categorizing plants as well as in redesigning local institutional landscapes to enhance their environmental sustainability and aesthetic appeal.

INTERNSHIP	CO-1	Learners will demonstrate the ability to apply theoretical knowledge in a practical, real-world setting, enhancing their professional competencies and technical skills.
	CO-2	Learners will exhibit improved problem-solving abilities and critical thinking skills through the analysis and resolution of workplace challenges.

	CO-3	Learners will develop and refine their communication and interpersonal skills, effectively collaborating with colleagues and stakeholders in a professional environment.
	CO-4	Learners will gain a clear understanding of industry standards and expectations, showcasing professionalism and readiness for full-time employment in their field of study.

Semester - V		
MATERIALS AND SPECIFICATIONS II **Major** Discipline Specific Core (DSC-A)	CO-1	Identify and describe the properties of various materials commonly used in interior design
	CO-2	Understand the factors that influence material selectionsuch as aesthetics, functionality, durability, sustainability, cost and compliance with building codes and regulations.
	CO-3	Apply their knowledge of materials and specifications to solve engineering problems and make informed decisions about material selection and design.
	CO-4	Evaluate the performance of materials under different environmental conditions, considering factors such as wear and tear, maintenance requirements, resistance to moisture, heat and fire.
	CO-5	Develop critical thinking and problem-solving skills, enabling them to analyze complex design challenges, explore alternative solutionsand make informed decisions about materials and specifications.

INTERIOR DESIGN STUDIO-II **Major** Discipline Specific Core (DSC-A)	CO-1	Remember and analyse design problems, generate innovative solutions and communicate their ideas effectively through various mediums.
	CO-2	Understand the roles and responsibilities of interior designers, including project management and client communication.
	CO-3	Acquire and apply technical skills relevant to their chosen design discipline, including sketching, drafting, modelling, digital rendering, physical prototyping, material explorationand fabrication techniques.
	CO-4	Apply growth mindset, ownership of learning, resilience, adaptability and lifelong learning habits.
	CO-5	Consider environmental, social, cultural, economic and ethical implications, advocate for responsible design solutions.

FURNITURE MODELLING AND DESIGNING Discipline Specific Elective (DSE)	CO-1	Understanding of design principles, technical skills, creative processes and professional practices necessary for successful careers in the field of furniture design.
	CO-2	Apply a systematic design process that includes research, ideation, concept development, iteration, prototyping, refinement and evaluation to address design challenges and opportunities

	CO-3	Understand about a variety of materials used in furniture design, including wood, metal, plastic, glass, upholstery, composite materials and explore their properties, fabrication techniques, finishes and environmental considerations.
	CO-4	Create a discerning aesthetic sensibility and the ability to express their design ideas cohesively through form, texture, colour, pattern and materiality, while also considering cultural, historicaland contextual influences.
	CO-5	Evaluate the effectiveness of their design solutions, solicit and integrate feedback from peers and instructors and continuously strive for improvement and innovation in their work.

ESTIMATION AND COSTING Discipline Specific Elective (DSE)	CO-1	Recall fundamental principles, key terminology in interior design estimation and specification. Recognize features of relevant software tools in the field
	CO-2	Understand the importance of accurate estimation and costing. Explain estimate types, factors affecting costs. Recognize software tools' role in enhancing efficiency, accuracy in estimation, specification.
	CO-3	Apply estimation techniques for interior projects. Utilize software for quantity takeoffs, accurate cost estimates. Employ specification writing for clear material documentation
	CO-4	Analyze project requirements, select suitable estimation models, assess variable impacts on costs, interpret software-generated data for informed estimation and specification decisions.
	CO-5	Evaluate estimation and costing model effectiveness. Assess specification accuracy for project success. Critically review software tools' performance for streamlined interior design documentation.

ADVANCED LIGHTING Discipline Specific Elective (DSE)	CO-1	Recall and understand lighting technology, market trends, preferences and competitive intelligence into a report.
	CO-2	Analyze current lighting industry trends, including market size, growth projections and key players.
	CO-3	Evaluate natural light's impact on spaces and propose effective utilization strategies.
	CO-4	Apply photometric data for task-based lighting load calculations.
	CO-5	Generate detailed lighting drawings and documentation for installation.

3D -VISUALISATION Discipline Specific Elective (DSE)	CO-1	Recall and define fundamental 3D graphics concepts, including modelling, texturing, lighting and animation
	CO-2	Understand principles and techniques of modelling, texturing, lighting, camera and animation in 3D graphics.

	CO-3	Apply skills to create realistic 3D models, textures, lighting setups, camera animationsand renderings.
	CO-4	Analyze effectiveness of modelling, texturing, lighting and animation techniques for achieving desired outcomes.
	CO-5	Integrate concepts and techniques to develop complex and visually appealing 3D scenes and animations.

COMPUTER AIDED DESIGN II Skill Enhancement Course (SEC)	CO-1	Recognise and recall architectural and interior design terminology, CAD software commands and spatial planning principles for 3D modelling
	CO-2	Acknowledge the crucial role of 3D modelling in architectural and interior design, with a focus on parametric design for adaptability and appreciate how lighting, materials and textures enhance interior 3D visualizations.
	CO-3	Apply assembly and parametric modeling in 3D for architectural and interior elements, ensuring comprehensive spaces and flexible design alterations.
	CO-4	Analyze spatial relationships and functionality in architectural designs, break down interior challenges for 3D representation, and evaluate design choices' impact on aesthetics and functionality.
	CO-5	Independently develop comprehensive 3D models with architectural and interior elements, produce realistic renderings, enhance collaboration through shared CAD files and documentation.

Semester - VI		
SERVICES AND SPECIFICATIONS II **Major** Discipline Specific Core (DSC-A)	CO-1	Develop practical skills in the installation of plumbing systems for residential, commercial and industrial settings.
	CO-2	Understand the principles of water conservation and integrate sustainable practices into plumbing design.
	CO-3	Demonstrate practical skills in the installation, testing and maintenance of elevator and escalator systems.
	CO-4	Recall and explain about designing HVAC systems for different types of buildings and applications.
	CO-5	Applying networking principles relevant to CCTV systems, including IP camera configurations and data security.

INTERIOR DESIGN STUDIO III **Major** Discipline	CO-1	Develop a deep understanding of the design process and its various stages
	CO-2	Cultivate creativity and innovation in approaching design challenges and problems

Specific Core (DSC-A)	CO-3	Acquire proficiency in utilizing relevant design tools, software and technologies.
	CO-4	Enhance critical thinking and problem-solving skills through design projects.

DEMO REEL Discipline Specific Elective (DSE)	CO-1	Understand the purpose of a demo reel, its importance in showcasing skills and capabilities to potential employers or clients and how to tailor the reel to specific target audiences.
	CO-2	By using software and post-production tools to assemble, edit, and enhance visual and audio elements in their demo reels.
	CO-3	Understand visual and aesthetic principles such as composition, color theory, typography and motion graphics, applying these principles effectively in their demo reel compositions.
	CO-4	Understand ethical and legal considerations in demo reel creation, including copyright, permissions for third-party content and truthful skill representation

SUSTAINABLE DESIGN Discipline Specific Elective (DSE)	CO-1	Understanding of key sustainability concepts, including environmental stewardship, social equity, economic viability and cultural sensitivity.
	CO-2	Evaluate sustainable design principles and frameworks applicable to various design area
	CO-3	Critically evaluate the environmental impact of design decisions, considering factors such as energy consumption, water usage, material selection, waste generation and carbon footprint.
	CO-4	Recall building standards and rating systems (e.g. LEED, BREEAM, Living Building Challenge) and be able to apply them to design projects effectively.

DESIGN ETHICS Discipline Specific Elective (DSE)	CO-1	Recall the aesthetic and functional aspects crucial for effective interior spaces and list key movements, styles and influential figures in the history of modern interior design.
	CO-2	Summarize the roles and responsibilities of interior designers, including project management and client communication.
	CO-3	Identify ethical principles guiding design decisions and interpret the social and environmental impact of design on society.
	CO-4	Apply project management and space planning skills to practical interior design scenarios.

MEP Discipline Specific Elective	CO-1	Identify and describe various components of HVAC systems and analyze the working principles and operational parameters of each component

(DSE)	CO-2	Understanding of electrical systems used in building construction and designing electrical distribution systems, interpreting electrical drawings and ensuring compliance with relevant codes and standards
	CO-3	Proficiency in designing water supply, drainage and waste disposal systems while adhering to relevant codes and standards.
	CO-4	A comprehensive understanding of the integration of mechanical, electrical and plumbing systems within buildings.

RETAIL DESIGN Skill Enhancement Course (SEC)	CO-1	Recall key features of various retail spaces, including Boutiques, Supermarkets and Furniture Showrooms. Identify different types of adaptive storage and versatile display systems used in these retail spaces.
	CO-2	Understand the importance of seasonal design adaptations in retail spaces. Comprehend the significance of go-downs and bulk storage in managing changing product inventories
	CO-3	Apply knowledge to conduct detailed case studies on the adaptive design features of selected retail spaces. Utilize software tools for documentation and detailed drawings of storage and display systems
	CO-4	Analyse the effectiveness of adaptive storage systems in responding to changing product demands. Analyse the impact of seasonal design adaptations on the overall aesthetics and functionality of showrooms
	CO-5	Evaluate the success of existing retail spaces in managing versatile displays and adaptive storage. Assess the importance of bulk storage and go-downs in maintaining product availability

WALL ART AND ART INSTALLATION Value Addition Courses (VAC)	CO-1	Recall and understand the principles of various wall art techniques introduced in the course.
	CO-2	Apply basic wall art techniques in both theoretical and practical contexts.
	CO-3	Create unique paintings utilizing exterior and interior wall paint, tempera paint or a combination of mediums.
	CO-4	Apply knowledge of different materials to construct installations, considering their characteristics and limitations.
	CO-5	Analyze spatial and environmental factors for indoor and outdoor installations and evaluate the effectiveness and impact of the created installations in chosen locations.

Semester - VII		
INTERIOR DESIGN STUDIO-IV Discipline Capstone Components(DCC)	CO-1	Understand design principles, methodologies and techniques as well as the ability to apply them effectively to solve complex design problems.
	CO-2	Apply interdisciplinary perspectives to address multifaceted design challenges, collaborating effectively with diverse peers from various backgrounds and disciplines.

	CO-3	Conduct in-depth research, analyzing data and synthesizing findings to inform the design process and decision-making.
	CO-4	Demonstrate creative problem-solving skills, including the ability to generate innovative design concepts, iterate on ideas through prototyping and evaluate solutions based on feasibility and effectiveness.
	CO-5	Communicate design ideas effectively through visual, verbal and written means, as well as confidently present their work to peers, instructors and stakeholders.

ACOUSTICS Discipline Capstone Components(DCC)	CO-1	Recall the key architectural and interior elements influencing space acoustics and the various acoustic correction methods available.
	CO-2	Explain the principles behind mechanical and non-mechanical acoustic correction methods, along with the design considerations and limitations associated with each approach.
	CO-3	Apply knowledge of acoustic correction methods to analyze and propose solutions for optimizing acoustics in architectural and interior design projects
	CO-4	Categorize the characteristics and applications of different acoustic materials used in interior spaces, considering their effectiveness and suitability for specific contexts.
	CO-5	Assess the effectiveness of acoustic correction methods and materials through case studies and data collection in both public and private spaces considering various acoustic concerns.
	CO-6	Develop innovative design strategies that integrate architectural and interior elements to address acoustical challenges in real-world scenarios, emphasizing practical solutions based on research and analysis.

ADVANCED 3D - VISUALISATION Discipline Capstone Components(DCC)	CO-1	Understand VR/AR's role in enhancing design presentations for effective communication with clients, stakeholders and collaborators.
	CO-2	Analyse virtual environment lighting for accurate portrayal of light/shadow interplay and assess lighting design's visual impact.
	CO-3	Demonstrate immersive VR/AR methods to engage clients, allowing interactive experiences for soliciting feedback on proposed designs.
	CO-4	Contrast collaborative VR and AR platforms facilitating real-time interaction, fostering team communication and decision-making in design processes.

INTERIOR LANDSCAPING	CO-1	Understand the principles of interior landscaping, factors influencing it and its evolution.

Discipline Capstone Elective (DCE)	CO-2	Classify indoor plants based on function and type, selecting suitable plants for various interior environments.
	CO-3	Design and construct interior planters considering plant characteristics and design principles.
	CO-4	Analyze factors affecting interior landscaping planning, evaluating their impact on sustainability and design decisions.
	CO-5	Assess the impact of interior landscaping on human health and the environment, proposing sustainable design solutions

SET DESIGN Discipline Capstone Elective (DCE)	CO-1	Familiarize with the differences between designing for theatrical productions and film/television, including the use of stage space, audience perspective and camera angles.
	CO-2	Developing conceptual ideas for set designs, including script analysis, historical context, thematic exploration and collaboration with directors and other production team members.
	CO-3	Compare and recognize various materials commonly used in set construction as well as techniques for building and assembling sets safely and efficiently.
	CO-4	Learn to develop budgets for set designs, including cost estimation, resource allocation and procurement of materials within budgetary constraints.
	CO-5	Understand how set design reflects and interacts with cultural and historical contexts, including the use of symbolism, metaphor and visual motifs to convey deeper meaning within a production.

PROJECT PLANNING & MANAGEMENT Discipline Capstone Elective (DCE)	CO-1	Comprehend the fundamental principles of project management, including project initiation and defining project scope, as well as the use of project management software.
	CO-2	Demonstrate the ability to create project schedules using Gantt charts, allocate budgets and resources and develop risk management and contingency plans.
	CO-3	Apply project execution strategies, including coordination with contractors, material selection and site visits and demonstrate the ability to track project progress, manage changes and address issues and conflicts.
	CO-4	Critically assess design solutions, floor plans, elevations, renderings and evaluate their effectiveness in meeting project goals and client requirements.
	CO-5	Synthesize project deliverables, conduct client handover, perform post-occupancy evaluations and reflect on lessons learned to improve project management practices continuously.

Semester - VIII		
ARCHITECTURAL DOCUMENTATION Discipline Capstone Components (DCC)	CO-1	Enhances the graphical representations of the design, including floor plans, elevations, sections and details. They provide a visual understanding of the project's layout and dimensions.
	CO-2	Capability to produce comprehensive sets of architectural drawings and specifications, including plans, elevations, sections, details, schedules and construction documents.
	CO-3	Familiarity with industry standards, building codes, regulations and best practices related to architectural documentation and design.
	CO-4	Awareness of emerging technologies and trends in architectural documentation and the ability to adapt and integrate new tools and methodologies into practice.
	CO-5	Development of critical thinking skills and problem-solving abilities to address challenges and complexities encountered in the documentation of architectural projects.

ARCHITECTURAL MODEL MAKING Discipline Capstone Components (DCC)	CO-1	Understand the concepts of scales,perception, perspective scaling and scaledown models
	CO-2	Understand various types of materials used for production, methods andtechniques of production and sourcing to make the model
	CO-3	Understand nature and environment with emphasis on landscape andnatural lighting through time span based observation, geographical relevanceand seasonal variation to make the landscape
	CO-4	Miniature model making practices and landscape and environmental setsinstallation techniques to execute the model
	CO-5	Learn basic techniques of mobile photography in both natural and assistedlighting and take photograph of the model

SCHEME DETAILING Discipline Capstone Elective (DCE)	CO-1	Appreciate the significance of detailed schematics in the successful execution of architectural projects.
	CO-2	Evaluate various architectural schemes in terms of their design intent, functionality and contextual appropriateness.
	CO-3	Apply fundamental principles of detailing to enhance the quality and functionality of architectural designs within project schemes.
	CO-4	Create comprehensive technical drawings and documentation that effectively communicate design intent and detailing requirements to stakeholders.
	CO-5	Understand the integration of architectural detailing with mechanical, electrical, plumbing (MEP) and structural systems, ensuring seamless coordination and functionality.

QUANTITY SURVEYING Discipline Capstone Elective (DCE)	CO-1	Define quantity surveying scope and historical evolution. Recognize role and responsibilities of quantity surveyors
	CO-2	Apply measurement techniques including takeoff, BOQ and schedules. Perform quantity measurement using standard methods.
	CO-3	Understand cost estimation principles, factors and techniques in construction projects. Analyze procurement methods and tendering processes.
	CO-4	Interpret construction contracts, roles and administer variations, claims, payments and disputes. Apply cost control techniques.
	CO-5	Explain value engineering concepts and implement techniques to optimize value in construction projects. Analyze successful applications.

MARKET SURVEYING Discipline Capstone Elective (DCE)	CO-1	Understand interior design materials, market surveying and market analysis in interior design projects.
	CO-2	Apply methods for trend analysis and supplier evaluation to enhance decision-making in design projects.
	CO-3	Develop effective budgeting and quality assurance strategies for interior design projects.
	CO-4	Evaluate trade-offs between cost and quality in material sourcing and analyze market surveying case studies.
	CO-5	Apply industry standards and best practices in conducting real-world market surveys, integrating results into project planning for continuous improvement.

INTERIOR & EXTERIOR DESIGN PROJECT Project	CO-1	Recognize and recall the historical overview, key movements, and evolution of interior architecture, including major design themes, styles and influential cultural factors.
	CO-2	Comprehend techniques for analyzing spatial requirements and user needs, including programming methodologies and site analysis, to establish project objectives and constraints.
	CO-3	Apply principles of architectural drawing conventions and digital representation methods (CAD, BIM, rendering software) to produce detailed and accurate architectural drawings such as plans, sections and elevations.
	CO-4	Develop integrated design solutions by understanding and selecting materials, finishes, and construction techniques, while considering building systems (HVAC, electrical, plumbing) and ensuring compliance with relevant codes and standards.
	CO-5	Communicate design concepts effectively through the development of presentation materials (renderings, models, diagrams) and articulate the design rationale, process and outcomes to diverse audiences using clear

		visual and verbal techniques.