



ST. FRANCIS COLLEGE

Koramangala

Affiliated to Bengaluru City University

DEPARTMENT OF SCIENCE

B.Sc - IDD (Interior Design & Decoration)-NEP

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs):

PEO 1. Develop a deep understanding of the various parameters that inform the practice of interior design.

PEO 2. Develop an understanding of how history, cultural and community inform the practice of interior design.

PEO 3. To identify issues faced by the current interior design industry and to provide solutions that are innovative and ergonomic.

PROGRAMME OUTCOMES (POs):

PO 1. Design Concept :

Develop a comprehensive design concept based on creative problem solving research including viable space planning using industry standards.

PO 2. Critical thinking (Mind mapping) :

Using critical thinking strategies generate an appropriate furniture, fixture and materials selection considering applicable codes and sustainability (social responsibility)

PO 3. Computer Aided Design :

Produce a presentation of a fully integrated design project that utilizes utilizing visualization software comparable to professional industry standards

PO 4. Design justification :

Compose written justification of project designs and verbally communicate design solutions in presentations in an effective and professional manner



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PO 5. Psychological Skill Training :

Demonstrate soft skills including collaboration, creating a positive impact on the classroom , positive attitude and work ethic , accepting/applying feedback to project outcome self-direction and follow-through

PO 6. Documentation of Design Projects :

Create a full set of design documents for an interior design project.

PO 7. Anthropometry and Ergonomics :

Produce three-dimensional spatial designs that effectively and creatively incorporate principles of anthropometry, health, safety, and welfare.

PO 8. Material Understanding :

Produce three-dimensional spatial designs that effectively and creatively incorporate fundamental structural considerations, structural systems and materials, and non-structural (finish) materials

PO 9. Hands-on experience:

To provide hands on experience on building services such as electrical, plumbing, rain water harvesting, sanitation, heating, ventilation, air conditioning, acoustics, damp proofing, fire and termite proofing.

PO 10. Analytical skills:

To equip the students with competencies like problem solving, analytical reasoning and moral and ethical awareness

PO 11. Professional ethics:

Inculcate human values, professional ethics, and the spirit of innovation/entrepreneurship and critical thinking among students.

PO 12. Social welfare:

Trained to enhance the function and quality of interior spaces for the purpose of improving the quality of life, increasing productivity, and protecting the health, safety, and welfare of the public.



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PROGRAMME SPECIFIC OUTCOMES (PSOs):

PSO 1. Understand various materials and their processes, along with new innovative technological and digital mediums that help in interior design practice.

PSO 2. Undertake collaborative projects, field visits and gain experience through industry exposure supported by the institute.

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DEPARTMENT OF SCIENCE

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COURSE OUTCOMES (COs)

I SEM B .Sc (IDD)

ID 1.1 T – FUNDAMENTALS OF INTERIOR DESIGN (Theory)

CO1 :Identify different structural and decorative designs.

CO2 :Justify design concepts and apply appropriate materials.

CO3 :Propose design solutions based on Form, function, space planning, user perception and behavior.

ID 1.2 T – CONSTRUCTION MATERIALS I (Theory)

CO1 : Identify and understand the application of bricks, stone, cement, timber, metal, and plastics based on properties and types.

CO2 :Understand the industrial trends of the building materials.

CO3 :Understand the methods of interior construction techniques.

ID 1.3 P: 2 D & 3 D GRAPHICS (Practical)

CO1 : Apply the fundamental techniques of architectural representation with a thorough knowledge of interior presentation techniques.

CO2 : Enhance the skills in developing a graphical language of interior design.

SEC -DIGITAL FLUENCY

CO 1 : Understand the digital platforms, for better learning and development.

CO 2: Evaluate and interpret information in the digital world.

CO 3: Build essential skills such as design thinking, effective communication and better decision making.



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CO 4: Develop holistically by learning essential skills such as effective communication, problem-solving, design thinking, and teamwork.

II SEM B .Sc (IDD)

ID 2.1 T – ERGONOMICS (THEORY)

- CO 1.** Apply Ergonomic concepts in everyday life and in various interior design projects.
- CO 2.** Use anthropometric data of static and dynamic activities for design development.
- CO 3.** Understand the importance of space planning.

ID- 2.2 T: CONSTRUCTION MATERIALS- II (THEORY)

- CO 1.** Explain the components and materials within the building.
- CO 2.** Analyse the properties of various building materials.
- CO 3.** Develop interior spaces with suitable construction materials.

ID 2.3 P: CAD IN INTERIORS-I (PRACTICAL)

- CO 1.** Able to use CAD 2D software in digital drafting.
- CO 2.** Digitally draft various interior details and spaces using CAD software.

ID OE2 : (ELECTIVE) PHOTO JOURNALISM

- CO1 :** Photography Basics: You'll learn camera operation, equipment handling, and photographic techniques.
- CO2 :** Journalism Fundamentals: Understand news editing, layout, and professional standards.
- CO3 :** Ethics in Photojournalism: Explore how journalistic ethics apply to photojournalism, including special ethical issues that arise in this field.
- CO4 :** Visual Storytelling: Learn to produce compelling visual narratives through photography and multimedia projects



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III SEM B .Sc (IDD)

ID-T 3.1 SPACE PLANNING IN INTERIORS (THEORY)

CO-1 Analyse and solve space planning problems using physical, psychological, and sociological factors that influence client preferences **CO-2** Prepare a floor plan and colour board to illustrate residential space planning that incorporates specific needs of a client, and/or special populations.

CO-3 Identify & analyse design principles and integrate into spatial compositions.

CO-4 Communicate interior design concepts in accurate and professional graphic, oral and written formats.

CO-5 Assess cultural, regional, and historical interior design styles and factors that affect design solutions.

CO-6 Utilize creative visual presentation techniques for communication of design solutions.

ID-T 3.2 BUILDING SERVICES – LIGHTING - (THEORY)

CO-1 Identify lighting requirements for a range of interior situations in terms of the needs of occupants and to meet statutory regulations.

CO-2 Apply advanced illumination techniques to ensure lighting installations meet specified design objectives

CO-3 Implement lighting designs for selected projects

CO-4 Apply energy saving design techniques by integrating daylight in interior lighting design.

CO-5 Apply creative lighting techniques to selected scenarios.

CO-6 Implement emergency lighting designs to fulfil statutory requirements.

ID-P 3.3 CAD IN INTERIORS II - (PRACTICAL)

CO-1 Perform basic to intermediate image correction to existing images.

CO-2 Work with the type tools and panels to type, insert and manage text.

CO-3 Work with 3D modelling tools, layers and masks to manage projects efficiently

CO-4 Work with industry standard libraries.



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ID OE-3 ART & CRAFTS FOR INTERIORS

CO-1 Identify different art forms for interiors.

CO-2 Appreciate traditional arts and crafts of India.

CO-3 Recognize natural fibres used in crafts

CO-4 Distinguish localized crafts of various regions of India.

3.5B OEC : ENTREPRENEURSHIP SKILLS

CO1 : Discover their strengths and weaknesses in developing the entrepreneurial mind-set.

CO2 : Familiarize themselves with the mechanism of setting up, monitoring and maintaining an Enterprise.

CO3 : Understand the various procedures for setting up the Startups in India.

IV SEM B .Sc (IDD)

ID - T 4.1 – HISTORY OF INTERIORS - (THEORY)

CO1. Understand the theory and methodologies associated with Interior design.

CO2. Acquire basic skills for analysing and describing interiors.

CO3. Gain an appreciation for the built environment, its history, development over time, and its conservation.

ID-T 4.2 – CONSTRUCTION DETAILING - (THEORY)

CO 1. Study of building component, their design, and detailing methods.

CO 2. Use various components of buildings.

CO 3. Supervise the construction of buildings and their components.

CO 4. Identify snags in defective construction.

ID-P 4.3 – INTERIOR DESIGN – RESIDENCE- (PRACTICAL)



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- CO 1.** Comprehend and communicate basic concepts and theories of residential interiors.
- CO 2.** Apply theories and tools to analyse and communicate studio projects.
- CO3.** Conceptualize new designs and resolve real-life projects/challenges with confidence.

ID-OE-4 BASICS OF LIGHTING

- CO-1** Identify lighting requirements for a range of interior situations in terms of the needs of occupants and to meet statutory regulations.
- CO-2** Apply illumination techniques to ensure lighting.
- CO-3** Implement lighting designs for selected projects
- CO-4** Apply energy saving design techniques by integrating daylight in interior lighting design.
- CO-5** Apply creative lighting techniques to selected scenarios.
- CO-6** Implement emergency lighting designs to fulfil statutory requirements

4.3 AECC CONSTITUTION OF INDIA

- CO1 :**Understanding the philosophy of the constitution and its structure
- CO2 :**Measuring the powers and functions of various powerful people of government
- CO3 :**To understand and appreciate the role of constitution in democracy

V SEM B .Sc (IDD)

ID-T 5.1 PROFESSIONAL PRACTICE (THEORY)

- CO1:** Understand that Interior Design contributes to the betterment of the human condition from the individual to the global community, and able to justify and defend design solutions as it relates to natural, social, and economic issues
- CO2:** Understand the meaning and impact of design as it relates to human interaction, technology, theoretical frameworks, and interdisciplinary efforts.
- CO3:** Evaluate, select, synthesize and apply information and research findings to design solutions.



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CO4: Interpret, evaluate and represent abstract concepts during all phases of the design process to indicate conditions, relationships, and requirements within the interior environment.

ID-P 5.2 : ESTIMATION & COSTING (PRACTICAL)

CO 1: Understand the preparation of an Abstract Estimate and Detailed Estimate of building and Interiors.

CO 2: Draft detailed specifications and work out Rate Analysis for all works related to Interior Projects.

CO3: Prepare rate analysis of civil and interior works.

CO4: Evaluate the valuation of building for different specifications and create new technologies to develop concrete estimating methods.

ID-T 5.3 BUILDING SERVICES- PLUMBING & SANITATION (THEORY)

CO1: Make technology choice to deal with water quality issues,

CO2: Operate and maintain working treatment systems and do troubleshooting the Firm of the problems in these systems.

CO3: Apply the knowledge gained from the subject in Designing Spaces

CO4: Coordinate allied services for sanitary pipeline, including gas pipe waste pipe line horizontally & vertically.

ID-P 5.4 INTERNSHIP (PRACTICAL)

CO1: Acquire the ability to function and grow in a professional working environment

CO2: Integrate theory and practice. Explore career alternatives prior to graduation.

CO3: Summarize work experience via a written log, reflection essay, oral presentation and submission of a portfolio of completed work.

CO4: Develop work habits and attitudes necessary for job success. Acquire employment contacts leading directly to a full-time job following graduation from college.



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ID-P 5.5 INTERIOR DESIGN-RETAIL (PRACTICAL)

CO1: Prepare layout of large scale commercial spaces with an emphasis on planning. **CO2:** Develop design skills with an art of marketing and visual communication.

CO3: Focus on lighting and displays in commercial environments such as Malls, Boutiques, Shopping arcades, Exhibitions etc.

CO4: Integrate services such as plumbing, sanitation, HVAC and Firefighting into the project

ID-E1 5.6 C. INTELLIGENT BUILDINGS (THEORY)

CO1: Decide and guide for home automation

CO2: Understand and implement basic facility of home automation

CO3; Guide resident to positive effect on technology adoption, training

CO4: Show resident where they could add additional functions to existing application.

ID-V1 5.7 WORKING DRAWING & MANUFACTURING PROCESS (THEORY+PRACTICAL)

CO1: Decipher and communicate information through drawings and specifications

CO2: Describe working drawings and detailing

CO3: Acquire skills required to produce drawings in accordance with standard industry practice and to a level suitable for building permit approval applications.

CO4: Read and interpret plans and specifications and to produce working drawings for buildings.

VI SEM B .Sc (IDD)

ID-T 6.1 PROJECT MANAGEMENT (THEORY)

CO1: Manage projects effectively including the management of scope, time, costs, and quality, ensuring satisfying the needs for which the project was undertaken

CO2: Apply processes required to manage the procurement of a project, including acquiring goods and services from outside the organization

CO3: Manage project risk, including identifying, analyzing and responding to risk



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CO4: Analyze and manages stakeholder expectations and engagement to ensure a successful project outcome

ID-T 6.2 INTERIOR LANDSCAPING (PRACTICAL)

CO1: Study the concepts of interior landscaping and their application in the design of interior spaces.

CO2: Evaluate a proposed site for an indoor landscape, considering all environmental factors; Along with exposure to various concepts, ideas and techniques to be design landscape in interiors.

CO3: Create and implement a design for an indoor landscape, including selection of appropriate plant materials and cost estimates for installation and maintenance;

CO4: Perform all tasks required in maintaining an indoor landscape, including diagnosis and correction of problems such as disease or insect infestation.

ID-T 6.3 TEXTILES AND ACCESSORIES IN INTERIOR DESIGN (THEORY)

CO1: Understand the fundamental aspects of textiles and fabrics in interior design.

CO2: Learn about the key concepts of textiles & fabrics.

CO3: Understand what natural fibers and textiles are.

CO4: Develop the skills required to become an interior designer.

ID-P 6.4 TEXTILES AND ACCESSORIES IN INTERIOR DESIGN (PRACTICAL)

CO1: Understand the fundamental aspects of textiles and fabrics in interior design.

CO2: Learn about the key concepts of textiles & fabrics.

CO3: Understand what natural fibers and textiles are.

CO4: Develop the skills required to become an interior designer.

ID-P 6.5 PROJECT

CO1: Have freedom in choosing the typology of studio design they would work on and also choose their mentor with the expertise of typology chosen individually.



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CO2: Plan design projects that involve considerations of interactions with Interiors, wide range of requirements of different users and scope for visual, formal and structural innovations.

CO3: Innovate and conceptualize design proposal that reflect the students understanding of the design process

CO4: Intensify thought process directed at a specific area of focus and convert it to a product

ID-E2 6.6 B. VAASTU SHASTRA (THEORY)

CO1: Understand Indian Vaastu and implement basics of Vaastu in Interior design.

CO2: Write a variety of design strategies used in different rooms and spaces of living & workspace.

CO3: Apply fengshui decoratives in residential interiors

CO4: Apply basic and advanced Vaastu in design subject

ID-V2 6.7 C. PORTFOLIO DEVELOPMENT (THEORY+PRACTICAL)

CO1: Understand and develop the ways of portfolio building.

CO2: Build a Strong and creative portfolio for their future Internship and Job perspective

CO3: Understand and develop the ways of portfolio building.

ID-E2 6.8 INTERIOR JOURNALISM (PRACTICAL)

CO1: Create and design emerging media products, including blogs, digital audio, digital video,

social media, digital photography and multimedia.

CO2: Write a variety of mass media content.

CO3: Make effective design presentations on a variety of topics in public settings and excel as critical reviewers.

CO4: Apply basic and advanced human communication theories and models to academia and profession.



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