



# ST. FRANCIS COLLEGE

## Koramangala

Affiliated to Bengaluru City University

## DEPARTMENT OF SCIENCE

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

### 2019-20 ONWARDS (CBCS SCHEME)

### 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

#### **PO 5.** Psychological Skill Training :



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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**

### **B.Sc - IDD (Interior Design & Decoration)**

#### **COURSE OUTCOMES (Cos)**

#### **2019-20 ONWARDS (CBCS SCHEME)**

#### **I SEM B.Sc (IDD)**

##### **ID103 A -INTERIOR DESIGN I - FUNDAMENTALS(Theory)**

**CO1 :** To understand the concept of elements and principles of design

**CO2 :** To learn the basics of art element, principles and their applications in the creation of new design.

##### **ID103 B-INTERIOR DESIGN I - FUNDAMENTALS(Practical)**

**CO1 :** To understand the concept of elements and principles of design

**CO2 :** To learn the basics of art element, principles and their applications in the creation of new design.

##### **ID104 A -CONSTRUCTION MATERIALS – I (Theory)**

**CO1 :** To know the basic materials used in construction

**CO2 :** To understand the methods of its usage in interiors

##### **ID104 B-CONSTRUCTION MATERIALS – I (Practical)**

**CO1 :** To know the basic materials used in construction

**CO2 :** To understand the methods of its usage in interiors



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### **ID105- A 2D AND 3D GRAPHICS(Theory)**

**CO1** : To enable students to learn the different views of an object

**CO2** :To develop skills to make various projections

### **ID105- B 2D AND 3D GRAPHICS (Practical)**

**CO1** : To enable students to learn the different views of an object

**CO2** :To develop skills to make various projections

### **FC : ENVIRONMENTAL STUDIES**

**CO1.** To understand the key environmental policies.

**CO2.** To study the core concepts of ecology and physical science.

**CO3.** To understand environmental issues and solutions.

**CO4.** To apply policies to analyse the interactions between social and environmental process.

### **II SEM B .Sc (IDD)**

### **ID203 A :INTERIOR DESIGN II – COLOURS(Theory)**

**CO1** : To enable the students to gain in-depth knowledge of colour and colour .

**CO2** : To understand the importance of colour in interiors

### **ID203 B :INTERIOR DESIGN II – COLOURS(Practical)**

**CO1** : To enable the students to gain in-depth knowledge of colour and



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colour .

**CO2 :** To understand the importance of colour in interiors

### **ID204 A :CONSTRUCTION MATERIALS - II(Theory)**

**CO1 :** To understand the various materials used in construction

**CO2 :** To learn the methods and techniques of interior construction

### **ID204 B :CONSTRUCTION MATERIALS – II (Practical)**

**CO1 :** To understand the various materials used in construction

**CO2 :** To learn the methods and techniques of interior construction

### **ID205 A : HISTORY OF INTERIORS(Theory)**

**CO1 :** To analyze various art forms and understand their application in interiors .

**CO2 :** To study the History and its influences on social and cultural aspects on interior design

### **ID205 B : HISTORY OF INTERIORS (Practical)**

**CO1 :** To analyze various art forms and understand their application in interiors .

**CO2 :** To study the History and its influences on social and cultural aspects on interior design

### **FC : INDIAN CONSTITUTION**

**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



**III SEM B .Sc (IDD)**

**ID303 A : INTERIOR DESIGN III - SPACE PLANNING(Theory)**

**CO1** :To enable the students to learn the concept of space in interior design

**CO2** : To understand the importance of space planning

**ID303 B : INTERIOR DESIGN III - SPACE PLANNING(Practical)**

**CO1** :To enable the students to learn the concept of space in interior design

**CO2** : To understand the importance of space planning

**ID304 A : CONSTRUCTION AND DETAILING (Theory)**

**CO1** : To enable the students understand the construction in detail

**CO2** : To learn about the specific materials in construction

**ID304 B: CONSTRUCTION AND DETAILING (Practical)**

**CO1** : To enable the students understand the construction in detail

**CO2** : To learn about the specific materials in construction

**ID305 A : INTERIOR SERVICES I - LIGHTING (Theory)**

**CO1** : To enable the students to understand basic principles of illumination and application of natural lighting in interiors

**CO2** :To understand different types of lighting and fixtures used in interiors

**ID305 B : INTERIOR SERVICES I - LIGHTING (Practical)**

**CO1** : To enable the students to understand basic principles of illumination and application of natural lighting in interiors

**CO2** :To understand different types of lighting and fixtures used in interiors



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### OE :CULTURE AND DIVERSITY

**CO 1.** analyze understand the rich diversity in Indian society and culture. To help them address the contemporary challenges before Indian society like communalism, ethnocentrism, and gender discrimination.

**CO 2.** evaluate and develop in them the secular values of tolerance, communal amity and peaceful coexistence. To help them address the contemporary challenges before Indian society like communalism, ethnocentrism, and gender discrimination.

**CO 3.** choose and understand the problems of rural society. Contemporary Challenges before Indian Society. The youth are reminded that they have a key role to play in the promotion of national integration, and in promoting the unity and integrity of the country. To develop in them the secular values of tolerance, communal amity, and peaceful coexistence.

### IV SEM B .Sc (IDD)

#### **ID403 A : INTERIOR DESIGN IV - WORKING DRAWING (Theory)**

**CO1** :To learn the techniques of detailed drawing for interior design

**CO2** :To apply and provide various services in the building and learn the working drawing

#### **ID403 B: INTERIOR DESIGN IV - WORKING DRAWING (Practical)**

**CO1** :To learn the techniques of detailed drawing for interior design

**CO2** :To apply and provide various services in the building and learn the working drawing

#### **ID404 A : INTERIOR SERVICES II - PLUMBING, SANITATION, HVAC AND FIRE SAFETY (Theory)**

**CO1** : To enable the students to understand the basic principles of drainage and water supply in buildings

**CO2** :To learn calculations and connections for water supply and sanitation



**ID404 B : INTERIOR SERVICES II - PLUMBING, SANITATION, HVAC AND FIRE SAFETY (Practical)**

**CO1** : To enable the students to understand the basic principles of drainage and water supply in buildings

**CO2** : To learn calculations and connections for water supply and sanitation

**ID405 : CAD IN INTERIORS – I**

**CO1** : Proficient Use of CAD Software: Students will effectively utilize CAD software to create accurate and detailed floor plans, elevations, and sections for interior design projects, demonstrating their ability to translate conceptual designs into digital representations.

**CO2** : Enhanced Design Communication: Students will develop skills to present and communicate interior design ideas through professional-quality CAD drawings, enabling them to convey design intent clearly and effectively to clients and stakeholders.

**V SEM B .Sc (IDD)**

**ID501 : CONSTRUCTION MANAGEMENT**

**CO1** : To provide an insight into management of building involving finance and human resource

**CO2** : To learn about concepts and application of management in interior design

**ID502 A : ESTIMATION, COSTING AND SPECIFICATION FOR INTERIORS (Theory)**

**CO1** : To enable the students to understand the concept of estimation and costing for interiors .

**CO2** : To analyze various components based on specification



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### **ID502 B: ESTIMATION, COSTING AND SPECIFICATION FOR INTERIORS (Practical)**

**CO1** : To enable the students to understand the concept of estimation and costing for interiors .

**CO2** : To analyze various components based on specification

### **ID503 A:INTERIOR DESIGN V - TEXTILES AND ACCESSORIES FOR INTERIORS (Theory)**

**CO1** : To know the types of fabrics and accessories used in interiors

**CO2** : To incorporate its applications in interiors

### **ID503 B:INTERIOR DESIGN V - TEXTILES AND ACCESSORIES FOR INTERIORS(Practical)**

**CO1** : To know the types of fabrics and accessories used in interiors

**CO2** : To incorporate its applications in interiors

### **ID504 : CAD IN INTERIORS - II**

**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.

### **ID505 A : MODEL MAKING AND FURNITURE DESIGN (Theory)**

**CO1** : To enable the students to learn about the types and importance of furniture, know about the selection, care and arrangement of furniture.

**CO2** : To learn product development.



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### **ID505 A : MODEL MAKING AND FURNITURE DESIGN (Practical)**

**CO1 :** To enable the students to learn about the types and importance of furniture, know about the selection, care and arrangement of furniture.

**CO2 :** To learn product development.

### **ID506 :INTERNSHIP**

**CO1 :** To enable the students to pursue an in-depth study in any area of special interest.

## **VI SEM B .Sc (IDD)**

### **ID601 : PROFESSIONAL PRACTICE IN INTERIOR DESIGN**

**CO1 :** To enable the students to understand the professional practice

**CO2 :** To learn the rules and regulations of professional practice in interior design

### **ID602A : INTERIOR SERVICES III - ACOUSTICS (Theory)**

**CO1 :** To enable the students to understand the basic principles of acoustical insulation to interior spaces

**CO2 :** To learn various methods to manage sound

### **ID602B : INTERIOR SERVICES III - ACOUSTICS (Practical)**

**CO1 :** To enable the students to understand the basic principles of acoustical insulation to interior spaces

**CO2 :** To learn various methods to manage sound



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### **ID603A : INTERIOR DESIGN VI - SUSTAINABLE DESIGN**

**CO1** :To sensitize students about need for environmental design

**CO2** : To study the various factors involved in environmental and sustainable buildings

### **ID603B : INTERIOR DESIGN VI - SUSTAINABLE DESIGN(Practical)**

**CO1** :To sensitize students about need for environmental design

**CO2** : To study the various factors involved in environmental and sustainable buildings

### **ID604A PORTFOLIO DESIGN FOR INTERIORS (Theory)**

**CO1** :To impart skills for portfolio preparation

**CO2** :To enable students to understand the importance of portfolio and presentation

### **ID604B PORTFOLIO DESIGN FOR INTERIORS (Practical)**

**CO1** :To impart skills for portfolio preparation

**CO2** :To enable students to understand the importance of portfolio and presentation

### **ID605 A : INTERIOR LANDSCAPING (Theory)**

**CO1** :To understand the importance of plants in interiors Internal Assessment:

**CO2** : To enable the students to learn the principles of landscape gardening

### **ID605 B : INTERIOR LANDSCAPING (Practical)**

**CO1** :To understand the importance of plants in interiors Internal Assessment:

**CO2** : To enable the students to learn the principles of landscape gardening



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### ID606 PROJECT

**CO1 :** To enable the students to work on a theme based project with portfolio containing the details of the project, costing, material used, design plan and other necessary details of interior services like lighting, HVAC, sanitation, plumbing and landscaping.

### SDC : ENTREPRENEURSHIP AND INNOVATION

**CO1** . The students will be able understand the nature and concepts of entrepreneurship.

**CO 2.** Analyses the impact of Make in India, Start-up India and Mudra Bank.

**CO 3.** Understand the business ideas and innovative techniques.

**CO 4.** Develops innovative business plans and strategies among students.

**CO 5.** Explain the process of business projects reports.



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