

B.TECH CIVIL ENGINEERING – R22

Project Planning and Management by Primavera

SEMESTER IV

L/T/P/C

3/0/0/S

Value Added Course: Interior Decoration

Course Duration: 30–40 Hours

Prerequisites: Basic knowledge of design and aesthetics (optional)

UNIT – I: Fundamentals of Interior Decoration

- Introduction to Interior Decoration and Interior Design
- Principles and Elements of Design
- Space Planning Concepts
- Color Theory and Psychology
- Design Styles: Traditional, Contemporary, Modern, Minimalist, Industrial, and Eclectic
- Ergonomics and Human Comfort in Interior Spaces
- Interior Design Process and Project Workflow

Practical: Preparation of mood boards, color schemes, and basic space planning layouts.

UNIT – II: Materials and Finishes in Interior Decoration

- Building Materials Used in Interiors
- Flooring Materials: Tiles, Marble, Granite, Wood, Vinyl, and Carpet
- Wall Finishes and Treatments
- Ceiling Design and False Ceilings
- Furniture Materials and Upholstery
- Decorative Elements and Accessories

- Sustainable and Eco-Friendly Interior Materials

Practical: Material selection, finish boards, and sample presentations.

UNIT – III: Furniture Planning and Lighting Design

- Furniture Types and Selection Criteria
- Furniture Layout Planning
- Modular Furniture Concepts
- Residential and Commercial Furniture Design
- Fundamentals of Interior Lighting
- Natural and Artificial Lighting
- Lighting Fixtures and Placement Techniques
- Energy-Efficient Lighting Solutions

Practical: Furniture layout preparation and lighting design for interior spaces.

UNIT – IV: Residential and Commercial Interior Decoration

- Interior Decoration for Living Rooms, Bedrooms, Kitchens, and Bathrooms
- Office Interior Design Concepts
- Retail and Hospitality Interior Design
- Space Optimization Techniques
- Window Treatments and Soft Furnishings
- Decorative Accessories and Artwork Placement
- Budgeting and Cost Estimation for Interior Projects

Practical: Designing interiors for residential and commercial spaces using case studies.

UNIT – V: Computer-Aided Interior Design and Project Presentation

- Introduction to Interior Design Software
- Basic 2D Planning and Drafting
- 3D Visualization Concepts

- Preparation of Interior Design Drawings
- Presentation Techniques and Portfolio Development
- Client Interaction and Design Communication
- Project Execution and Site Coordination
- Trends and Innovations in Interior Decoration

Practical: Development of a complete interior decoration project with presentation.

Course Outcomes (COs)

After successful completion of this course, students will be able to:

1. Understand the principles and elements of interior decoration.
2. Select suitable materials, finishes, furniture, and decorative elements for interior spaces.
3. Design functional and aesthetically pleasing residential and commercial interiors.
4. Apply lighting, color, and space-planning techniques effectively.
5. Prepare and present complete interior decoration projects using modern design tools and techniques