



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3rd Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

COURSE OUTCOMES

Department of ___INERIOR DESIGNING

SEM - I

Class: 1st Yr.

- Course (Paper) Name and No.: **Paper I-Theory of Materials 01**
- Course Code: **101**

- **Course objectives:**

- 1) Provide knowledge of different materials and its applications while designing.
- 2) Selection of any building material will become easy after knowing wide range of materials and various properties and uses of it.
- 3) Guide to face acute shortage of common building materials like; Bricks, Cement, Coarse aggregate, Stone, Lime Etc.
- 4) Understand technical terms of construction.

- **Course Outcomes: SEM – I**

- 1) Explain classification, Properties, good qualities of stone. Methods of dressing, Application and uses in interior projects.
- 2) Explain types of clay products, & of bricks. Define good quality of clay products, & bricks.
- 3) Define manufacturing process of clay products & bricks with sketches.
- 4) List out properties and uses of clay products, & of bricks.
- 5) Define Properties, application and uses, methods of preserving of all civil construction material – Lime, Cement, plaster, mortar, concrete.



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Department of ___INTERIOR DESIGNING
SEM - II

Class: 1st Yr.

- Course (Paper) Name and No.: **Paper II-Theory of Materials**
- Course Code: **201**

• **Course objectives:**

- 1) Gives knowledge of the materials used in interiors and exterior.
- 2) Global demand and supply of building material such as Timber , Metals, Paint, Glass Etc. and come to know how to preserve and utilize of each part of materials.
- 3) While studying different materials they learn doing market survey for different materials.
- 4) Market survey gives deep knowledge of Material's types, rates, sizes and its availability at local market.
- 5) Theoretical knowledge of materials helps students for constructional part of interior designing.

• **Course Outcomes: SEM – II**

- 1) Explain classification, Properties, good qualities of Timber. Methods of preservation, Application and uses in interior projects. List out market and industrial form of wood product.
- 2) Explain types of metals, & Define good quality, uses of all types of metals.
- 3) Define manufacturing process and market forms of glass with properties and uses.
- 4) List out properties and uses of acrylic and plastic.
- 5) Define types, Properties, application and uses, methods of preserving of paint and Varnishes.



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SEM - I

Class: 1st Yr.

➤ Course (Paper) Name and No.:__ **Paper I-Construction 01**

➤ Course Code: **102**

• **Course objectives:**

- 1) To Gives knowledge of terminology for development of drawing skills.
- 2) Develop knowledge of optimization of interior materials.
- 3) Carpentry Joinery makes understand and art of cutting, preparing and joining the individual pieces of timber so as to form the frame of desired shape, size and finish.
- 4) Provides basic of how building items inside them are held together and constructed (Civil Knowledge) .
- 5) The construction techniques and principles will also help you formulate practical ideas while designing.

• **Course Outcomes:**

SEM – I

- 1) Sign and symbols of different construction materials for drawing purpose.
- 2) Sizes and types of bricks with freehand sketches. Different types of brick bonds –draw plan, elevation, and isometric view.
- 3) Show types of arches with terminology.
- 4) Draw different types of carpentry joinery with their dimensions.
- 5) Draw different types of panel doors with the terminology.

SEM - II

Class: 1st Yr.

➤ Course (Paper) Name and No.:__ **Paper II-Construction 02**

➤ Course Code: **202**

• **Course objectives:**

- 1) The construction techniques and principles will also help you formulate practical ideas while designing.
- 2) Applying different techniques and finishes can give the desired or similar effect without the cost being prohibited.
- 3) Help to develop key skills of manufacturing process.
- 4) Types of staircases, single, double, floor mezzanine get knowledge of different structural system.

• **Course Outcomes:**

SEM – II

- 1) Draw different types of windows plan, sections with dimensions and terminology.
- 2) Sizes and types of structures with freehand sketches.
- 3) Draw Different types of staircases – plan, elevation, and detail joinery with terminology.
- 4) Draw different types of Mezzanine floors with their plan, sections, dimensions and isometric view.



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SEM - I

Class: 1st Yr.

- Course (Paper) Name and No- **Paper I -INTERIOR GRAPHICS 03**
- Course Code: **103**

• **Course objectives:**

- 1) Improve and to know the drafting skills.
- 2) Make students familiar with 2D and 3D geometrical Objects.
- 3) Learn different 3D forms and primitive forms, shapes and understand behavior when combined.
- 4) Learn different drawings, Techniques and graphical figures.
- 5) Learn orthographic projection of simple and complex, Solid and hollow objects also sections, Isometrics and Axonometric projections.

• **Course Outcomes:**

SEM I (INTERIOR GRAPHICS)

- 1) Learn to draw gradation of lines with different medium. (Freehand, with t, set squares.
- 2) Study of metric scales.
- 3) Draw orthographic projection of cube, cylinder, pyramid and other shapes.
- 4) Draw orthographic projection of different furniture.
- 5) Draw 3 dimension views and finish with textures, colors, sciography.
- 6) Learn to apply poster, pencil, fuji colors.
- 7) Make colour wheel with different combinations.



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Department of ___INERIOR DESIGNING
SEM - II

Class: 1st Yr.

• **Course objectives:**

- 1) Develop visualization skills.
- 2) Benefit to give presentation of own design (Interior views) with pencil and colour rendering.
- 3) Improve the drawing techniques.
- 4) Improve the Imagination skills.
- 5) Improve the sketching skills and rendering skills.

• **Course outcomes:**

SEM II (PERSPECTIVE)

- 1) Learn the different techniques sciography.
- 2) Drawing of plants plan, elevation, with window and door treatments.
- 3) Draw parallel perspective with different position of picture plan of bed rm., living rm.
- 4) Draw angular perspective with different position of picture plan of bed rm., living rm.
- 5) Learn to render plan and elevations and views.
- 6) Workshops on mural and stained glass design.



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Department of ___INERIOR DESIGNING

SEM - I

Class: 1st Yr.

- Course (Paper) Name and No.:__ **Paper I-Design 01**
- Course Code: **104**

• **Course objectives:**

- 1) Idea of data collection survey and analysis of existing living space.
- 2) Impart knowledge about the interior design solution and architectural knowledge.
- 3) Learn colour schemes, Combinations and its uses and applications.
- 4) Learn to achieve a healthier and more aesthetically pleasing environment for the people using the space.
- 5) After knowing the fundamentals of design students develop the design sense.
- 6) Develop skills of planning of Residential spaces with clear understanding and application of functionality.

• **Course Outcomes: SEM I (DESIGN I)**

- 1) Learn basic elements and principals of design through sketching and theory.
- 2) Learn to take the measurement the structure on site and drafting on paper the same.
- 3) Define anthropometry data with standard furniture sizes.
- 4) Drawing of living room- plan, elevations , and views.
- 5) Planning of Master bed room with attached toilet - plan, elevations, and views.

SEM - II

Class: 1st Yr.

- Course (Paper) Name and No.:__ **Paper II –Design 02**
- Course Code: **204**

• **Course objectives:**

- 1) Idea of data collection survey and analysis of existing living space.
- 2) Impart knowledge about the interior design solution and architectural knowledge.
- 3) Gain knowledge of space usages and concept, theme, use of contemporary materials, Construction techniques required for residential projects.
- 4) Learn to design furniture related residential purpose.
- 5) Develop skills of planning of Residential spaces with clear understanding and application of functionality.

• **Course Outcomes: SEM II (DESIGN II)**

- 1) Learn to take the measurement of structure on site and drafting on paper the same.
- 3) Learn to draw existing structure and then space planning with standard furniture sizes.
- 4) Planning of Full flat - plan, elevations, and views with client profile and concept sheet.
- 5) Planning of Bungalow- plan, elevations, and views.



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Department of ___INERIOR DESIGNING
SEM - III

Class: 2nd Yr.

- Course (Paper) Name and No.:__ **Paper I- BUILDING SERVICES 01**
- Course Code: 301

• **Course objectives:**

- 1) Gain knowledge of advance interior designing services like acoustic, ventilation, Water supply, Water proofing, electrical systems Etc.
- 2) With the knowledge of all above topics students will be able to make application for their design projects.
- 3) Knowledge of advanced services makes students final utilization and precautionary measures that need to be consciously considered while designing.
- 4) To provide accessible learning opportunities responsive to a range of community needs.

• **Course Outcomes: SEM - III (BUILDING SERVICES I)**

- 1) Explain various types and principles of ventilation.
- 2) What are the different types and the principles of air conditioning systems?
- 3) What are the components of a window ac, explain with sketches.
- 4) Explain various types and principles of light. How useful in interiors.
- 5) Draw a simple electrical layout for a residence.
- 6) Explain single and three phase supply, ELCB, different types of wiring systems.
- 7) What is sound insulation and the significance of sound absorbent materials? Explain in details. List the defects of sound.
- 8) What is the principles and general methods of thermal insulation?



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Department of ___**INTERIOR DESIGNING**
SEM - IV

Class: 2nd Yr.

- Course (Paper) Name and No.:__ **Paper II-BUILDING SERVICES 01**
- Course Code: **401**

• **Course objectives:**

- 1) Topics like Landscaping, Terrace Gardening will help to be the future landscape designer.
- 2) Building services provides knowledge of maintenance, safety and security while planning building space.
- 3) Market Survey will improve their analyzing power to become professional designer.
- 4) Gain knowledge of advance interior designing services like Water supply, Water proofing, sanitation, systems Etc.

• **Course Outcomes: SEM - II (BUILDING SERVICES II)**

- 1) Explain various principles of water supply and drainage.
- 2) What are the different types of methods for waterproofing systems?
- 3) What are the types of water closets, explain with sketches.
- 4) Explain various types of plants and principles of landscaping. How useful in interiors.
- 5) Draw a neat layout of a toilet and explain its drainage system.
- 6) Explain with sketch waterproofing system of Terrace garden.
- 7) What are the causes and effects of fire? Write short note on fire retardants.
- 8) List the chemicals used for waterproofing .How is they applied.
- 9) Write in detail the implementation of CCTV in security systems of residential and commercial spaces.



Department of ___INTERIOR DESIGNING

SEM III

Class: 2nd Yr.

- Course (Paper) Name and No.:___ **Paper I-PROFESSIONAL PRACTICE 01**
- Course Code: **302**

• **Course objectives:**

- 1) Professional practice subject develop skills to face wide range of challenges that they may encounter as professional planners.
- 2) To produce professionals with a clear vision in both ability and innovation.
- 3) To enhance the professional skills among the learners to cater their career.
- 4) Prepare the students with the required knowledge skills of technical and financial proposals, writing for consulting projects.
- 5) Provide knowledge and skill related to professional ethics, basis for professional fees, accounting, and maintenance of books of accounts.

• **Course Outcomes: SEM III - (PROFESSIONAL PRACTICE- I)**

- 1) Explain the role of interior designer in the society and highlight responsibilities, liabilities in profession.
- 2) Explain basic principles of management and application to interior designing projects.
- 3) Explain briefly the comprehensive services rendered by an interior designer.
- 4) Explain the procedure of executing the interior project.
- 5) As an interior designer how would you contribute to the betterment of the society?
- 6) Draft a B.O.Q. for a kitchen measuring 100sq.ft. with L shape platform and overhead.
- 7) Enlist types and the factors to be considered during preparation of a detailed Estimate

SEM IV

Class: 2nd Yr

- Course (Paper) Name and No.:___ **Paper I-PROFESSIONAL PRACTICE 02**
- Course Code: **402**

• **Course objectives:**

- 1) Improve analyzing power while surveying market rates of products, making charges.
- 2) Helps to make estimation of the interior projects.
- 3) Helps to filling tender.
- 4) Professional duties against client, Contractors and suppliers will be cleared.
- 5) Preparing documentation (Contractor's/business Letter) is easy with this subject.

• **Course Outcomes: SEM IV - (PROFESSIONAL PRACTICE- II)**

- 1) Define term contract and different types of contract.
- 2) Write about legal implication of contract.
- 3) List out different types of Tenders and explain them.
- 4) Explain the point to be borne in mind while calling for Tenders.
- 5) Define Tender what does it contains.
- 6) Short notes on—Tender notice /Interim certificate/Rate analysis.



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SEM III

Class: 2nd yr.

➤ Course (Paper) Name and No.:__ **Paper I- Working Drawing 01**

➤ Course Code: **303**

• **Course objectives:**

- 1) Learn to make technical drawings explaining to the workman (labour.)
- 2) This subject provides technical base for execution of designer's Ideas.
- 3) Develop craftsmanship, Identifying the furniture and activity, relating material and aesthetics aspects.
- 4) Working drawing helps in preparing estimate of the particular product.
- 5) Helps to prepare the bill of quantity even for the tendering purpose.

• **Course Outcomes: SEM III (WORKING DRAWING I)**

- 1) Draw wardrobe details—sectional plan, elevation, and drawer detail with nomenclature.
- 2) Draw Double Bed details—sectional plan, elevation, and trolley detail with nomenclature.
- 3) Show details of double skin paneling which is finished with laminate.
- 4) Draw 180 cm.x210 cm part ion with all details.



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Department of ___**INTERIOR DESIGNING**
SEM IV

Class: 2nd yr.

- Course (Paper) Name and No.:___ **Paper II- Working Drawing 02**
- Course Code: **403**

- **Course objectives:**

- 1) Working drawing of any furniture item or civil detail are useful at the time of construction management and execution of the designs.
- 2) Working drawing provides knowledge of various materials and finishes.
- 3) After graduating from college detailing habit gives advantages in job or future career.
- 4) Good knowledge make learner future job in teaching field.

- **Course Outcomes: SEM IV (WORKING DRAWING II)**

- 1) Draw Bank counter details—sectional plan, elevation, and drawer detail with nomenclature.
- 2) Draw Reception counter details—sectional plan, elevation, and trolley detail with nomenclature.
- 3) Show details of Executive table which is finished with veneer, glass and corian.
- 4) Draw 300 cm.x210 cm area cover by gypsum ceiling with all details.
- 5) Draw details of sofa chair with its upholstery details.



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SEM III

Class: 2nd yr.

- Course (Paper) Name and No.:__ **Paper I-Design 03**
- Course Code: **304**

• **Course Objectives:**

- 1) Learn to enhance skills of planning hospitality spaces (Commercial spaces)
- 2) Learn to understanding and application of functionality, space usage and concept, theme, use of contemporary materials, construction techniques and advance services required for the design project.
- 3) Study and application of anthropometry, ergonomics, basic design principles and components related to commercial environment.

• **Course Outcomes: SEM III (DESIGN III)**

- 1) Designing small area commercial project—Topics—Fast food centre/Beauty parlor/Coffee café/Mobile shop/ Clinic/Coaching classes/Estate agent office.
- 2) Alternates of space planning. Final furniture layout with concept sheet.
- 3) Flooring layout / False ceiling layout/Electrical plan/a. c. layout
- 4) Sectional elevations.

SEM VI

Class: 2nd Yr.

- Course (Paper) Name and No. Paper I-Design 04
- Course Code: **404**

• **Course objectives:**

- 1) Develop research method and report writing skills (data analyzing)
- 2) Learn to application of advanced services like plumbing layout, Electrical Layouts, A/C ducting layouts with details.
- 3) Develop presentation skills will be able to design activity base large size commercial interior spaces.

• **Course Outcomes: SEM VI (DESIGN IV)**

- 1) Designing large area commercial project—Topics—Builders office/Bank/Restaurant/Boutique etc.
- 2) Alternates of space planning. Final furniture layout with concept sheet.
- 3) Flooring layout / False ceiling layout/Electrical plan/a. c.



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Department of ___**INTERIOR DESIGNING**___
Class: 2nd Yr.

- Course (Paper) Name and No.:__ **AUTOCAD**
- Course Code: **405**

- **Course objectives:**

- 1) Train the students in the technique of 3 dimensional presentations built form with using computer skills.
- 2) To produce professionals with a clear vision in both ability and innovation.
- 3) To enhance the professional skills among the learners to cater their career.
- 4) To offer appropriate career advancement activities.
- 5) To bring the vistas of career in the vicinity.

- **Course Outcomes: SEM III& SEM VI**

- 1) Learn various applications of various types of rendering of the plans, Sections, Elevations, Perspectives using different media.
- 2) 2 D drawings with basic tools application and presentation.
- 3) Training of 3 D drawings with rendering, naming.
- 4) Large area project presentation fully with the help of auto cad.