

SYLLABUS FOR INTERIOR DESIGN & DECORATION			
Duration	Reference Learning Outcome	Professional Skills (Trade Practical) With Indicative Hours	Professional Knowledge (Trade Theory)
Professional Skill 28 Hrs; Professional Knowledge 06 Hrs	Appraise the importance of interior designing & drawing instruments, drawing sheets, Lettering following safety precautions.	<ol style="list-style-type: none"> 1. Familiarization with the trade & institute. (02 hrs) 2. Importance of trade training. (03 hrs) 3. Uses of tools, equipments & instruments. (03 hrs) 4. Type of work done/ assignment by the trainees in the institute. (03 hrs) 5. Free hand sketches of objects. (04 hrs) 6. Recognize & Layout of drawing sheet including title card as an example portrait & landscape. (05 hrs) 7. Importance of Lettering with the help of single stroke Gothic Letter. (08 hrs) 	<p>Importance & necessity of interior designing.</p> <p>Interior design as a profession</p> <p>Modern interior design feature</p> <p>Importance of trade</p> <p>Demonstrate tools and equipments</p> <p>Importance of the trade in the industry</p> <p>Drawing instrument, equipments and raw material their used.</p> <p>Instruments, equipments like drafting board, T scale mini drafter (M.D.), Set Square etc. (06 hrs.)</p>
Professional Skill 56 Hrs; Professional Knowledge 12 Hrs	Draft the Geometrical shapes and projection with the help of engineering scale and free hand sketches.	<ol style="list-style-type: none"> 8. Draw different types of lines by Free hand. (06 hrs) 9. Introduce the scale MKS and FPS for making the drawing. (10 hrs) 10. Draw the simple composition of geometrical object with help of scale. (10 hrs) 11. Draw the simple exercise using lines in different angles. (06 hrs) 	<p>Elements of Interior Design:</p> <p>Introduction to Indian Standards Institution</p> <p>Code of practice for general interior drawing.</p> <p>Introduction & Importance of lines</p> <ol style="list-style-type: none"> i. Continuous thick & thin line ii. Dashed thin line iii. Cutting plan line iv. Long & short break line <p>thick line Basic knowledge of</p>

		<p>12. Draft the plan, elevation & sectional elevation & isometric view of geometrical solids. Regular, Irregular shapes. (10 hrs)</p> <ol style="list-style-type: none"> i. Cube ii. Cuboids iii. Triangular prism iv. Cylinder v. Pyramid vi. Hexagonal prism vii. Hexagonal Pyramid viii. Cone <p>13. Practice on types of dimension (04 hrs)</p> <ol style="list-style-type: none"> i. Aligned system ii. Unidirectional system <p>14. Free hand sketches of graphic symbols. (10 hrs)</p>	<p>geometrical shapes & lines. Definition of projection Types of projection Parallel projection</p> <ol style="list-style-type: none"> i. Oblique ii. Orthographic iii. Axonometric iv. Isometric <p>Definition: -</p> <ol style="list-style-type: none"> i. Layout of plan ii. Elevation (Front & side elevation) iii. Sectional Elevation (12 hrs.)
<p>Professional Skill 56 Hrs; Professional Knowledge 12 Hrs</p>	<p>Draft the design with the help of color scheme and apply with rules and calculations</p>	<p>Functional designing of interiors:</p> <p>15. How to make design: - (15 hrs)</p> <ol style="list-style-type: none"> i. Flow of circulation chart (Bubble diagram) ii. Concept of design, pattern, colour iii. Designing of space with furniture layout <p>16. Design knowledge of interior in residential & commercial. (20 hrs)</p> <ol style="list-style-type: none"> i. Basic layout plan. ii. Elevation. <p>17. Free hand sketches of Graphic symbols for door windows, furniture, plumbing & sanitary,</p>	<p>Principle of Design: Introduction of basic interior design.</p> <ol style="list-style-type: none"> i. Elements- example: line, etc. ii. Principle of design example: balance, emphasis etc. <p>Colors: Types of color schemes based on the color wheel.</p> <ol style="list-style-type: none"> i. triad colour scheme: <ol style="list-style-type: none"> a) Primary. b) Secondary. c) Tertiary. ii. related colour scheme: <ol style="list-style-type: none"> a) Analogues. b) Monochromatic. c) Achromatic.



		<p>electrical, landscape. (13 hrs)</p> <p>18. Rendering with pencil and pencil colour. (08 hrs)</p>	<p>d) Neutral.</p> <p>iii. contrasting:</p> <p>a) Complementary.</p> <p>b) Split complementary.</p> <p>c) Double split</p> <p>d) Complementary.</p> <p>e) Cool colour, warm colour.</p> <p>Understand the psychological affects by different colours on different person and places.</p> <p>Introduction of Graphic symbols in interior.</p> <p>(12 hrs.)</p>
<p>Professional Skill 56 Hrs;</p> <p>Professional Knowledge 12 Hrs</p>	<p>Draw furniture designing & detailing</p>	<p>Furniture design and detail:</p> <p>19. Residential furniture. (26 hrs) Table, chair, sofa, cabinet, bed, wardrobe, dining table.</p> <p>20. Commercial furniture. (30 hrs): Executive table/ office table, reception table, cabinet storage.</p> <p>Note: Necessary practical training will be carried out on site.</p>	<p>Furniture design:</p> <p>Furniture styles:</p> <p>i. Traditional/classic style.</p> <p>ii. Ethnic style.</p> <p>iii. Contemporary style.</p> <p>Types of furniture:</p> <p>i. Daily uses furniture</p> <p>ii. Loose carpentry furniture.</p> <p>iii. Fixed carpentry furniture.</p> <p>iv. Multi-utility storage</p> <p>v. Open & closed storage</p> <p>Importance of anthropometric and ergonomics.</p> <p>(12 hrs.)</p>
<p>Professional Skill 140Hrs;</p> <p>Professional Knowledge 30 Hrs</p>	<p>Draw residential plan with necessary working drawing.</p>	<p>Drafting of Residential Plan (Any Room):</p> <p>21. Concept plan with circulation flow (Bubble Diagram). (15 hrs)</p> <p>22. Basic furniture layout plan with working drawing. (30 hrs)</p> <p>23. Wall elevation with dimension and specification. (30 hrs)</p> <p>24. Necessary details. (40 hrs)</p> <p>25. Rendering the plan &</p>	<p>Planning of Interiors:</p> <p>Space selection for circulation and furniture.</p> <p>Selection of furniture.</p> <p>Uses of furniture templates.</p> <p>(30 hrs.)</p>



		elevations. (25 hrs)	
Professional Skill 28 Hrs; Professional Knowledge 06 Hrs	Draw different types of staircase.	26. Prepare drawing with technical details of the R.C.C. Stair case. (18 hrs) i. Straight Staircase. ii. Open newel Staircase. iii. Dog legged Staircase. iv. Bifurcated Staircase. 27. Calculation of Staircase (trade and riser). (10 hrs)	Stair case: Requirement and placement of good Staircase. Basic terminology of R.C.C. Staircase. Types of Staircase. i. Straight. ii. Quarter turn iii. Half turn (Dog legged) iv. Three quarter turn v. Bifurcated vi. Open newel. vii. Geometrical viii. Circular ix. Spiral. Model of Staircase: - Demonstration of R.C.C. Staircase with the help of respective models. (06 hrs.)
Professional Skill 28 Hrs; Professional Knowledge 06 Hrs	Apply basic knowledge of structural part of building.	Preparing drawing: 28. Basic concept of section of a building through toilet & balcony introducing the beam & column. (28 hrs)	Basic knowledge & importance in PPT/video presentation i. Mezzanine floor a) Temporary b) Semi permanent ii. Stone masonry & types iii. Brick masonry & types • Stretcher bond • Header bond • English bond • Flemish bond • Raking bond • Zigzag bond iv. Lintels & types v. Arches & types and terminology vi. Sunshade (06 hrs.)
Professional	Draw doors and windows & details.	29. Model of Door window: - Demonstrate doors and	Wooden Doors & Windows Introduction of hardware



<p>Skill 56 Hrs; Professional Knowledge 12 Hrs</p>		<p>windows with the help of respective models. (06 hrs)</p> <p>30. Preparing of plan, elevation & section of door (25 hrs)</p> <ol style="list-style-type: none"> i. Panelled door ii. Glazed or sash iii. Flush door <p>31. Preparing of plan, elevation & section of window. (25 hrs)</p> <ol style="list-style-type: none"> i. Casement window with ventilator (wooden) ii. Sash window (wooden) iii. Sliding window (aluminium) 	<p>fitting in door & windows with dimension</p> <p>Types of Doors</p> <ol style="list-style-type: none"> i. Batten and ledged door ii. Framed and panelled door iii. Glazed or sash door iv. Flush door v. Louvered door vi. Wire gauged door vii. Revolving viii. Sliding (Aluminium) ix. Swing door/ floor spring door <p>Placement of door & windows regarding circulation of space Definition of technical terms of doors & window Size of doors & windows, ventilators</p> <p>Types of windows</p> <ul style="list-style-type: none"> • Fixed window • Casement window • Sliding window • Sash window • Louvered window • Metal window • Bay window • Corner window • Dormer window • Gable window • Sky light window <p>Fixture and fastening a) hinges, b) bolts, c) handles d) locks (12 hrs.)</p>
<p>Professional Skill 56 Hrs; Professional Knowledge</p>	<p>Draw one and two points perspective view.</p>	<p>Preparation of drawing</p> <p>32. Draft one-point perspective view with approximate method (any room). (36 hrs)</p>	<p>Projection</p> <p>Perspective projection definition</p> <ol style="list-style-type: none"> i. 1 point ii. 2 point iii. 3 point

12 Hrs		33. Render the perspective view with any medium. (20 hrs)	(Describe the one-point perspective with approximate method) Definition i. Ground plane ii. Station point iii. Picture plane iv. Horizontal plane v. Ground line vi. Horizontal line or eye level Vanishing point (12 hrs.)
Professional Skill 56 Hrs; Professional Knowledge 12 Hrs	Prepare power point presentation with animation.	Computer 34. Prepare the power point still presentation. (26 hrs) 35. Prepare the power point animated presentation. (30 hrs)	Knowledge of Computer. Microsoft Power point, commands and their uses. (12 hrs.)
Professional Skill 140Hrs; Professional Knowledge 30 Hrs	Create object on 2D using tool bars, commands.	2D Software training- 36. Installation of 2D software. (08 hrs) 37. Elementary commands and menus of 2D software. (48 hrs) 38. Drawing practice on 2D software. (84 hrs)	Preliminary Drawing in 2D i) 2D commands and use of different menus. ii) Concept of 2D drawing. iii) Concept of rendering. (30 hrs.)
Professional Skill 56 Hrs; Professional Knowledge 12 Hrs	Draw different types of false ceiling by using CAD.	Preparing of drawing 39. Design a false ceiling in a room. (28 hrs) 40. Specify the level and section and finishing material (laminated, veneer, paints). (28 hrs)	Ceiling Definition of false ceiling to understand the job fabrication installation process of false ceiling with Gyp board / POP board / Ply / Wood Types of ceiling i. Grid ii. Coffered iii. Cove iv. Plain Finishing materials used for false ceiling. Laminated, veneer, stone, glass,

			acrylic sheet, MDF, paints, wall paper, fabric, stainless steel, wood. (12 hrs.)
Professional Skill 56 Hrs; Professional Knowledge 12 Hrs	Draw different types of flooring by using CAD.	<p>Preparing of drawing</p> <p>41. Design a flooring pattern with finishing material (Marble, Vitrified tile, PVC. Laminated). (30 hrs)</p> <p>42. Specify the starting point of flooring (13 hrs)</p> <p>43. Specify the dimension & sizes. (13 hrs)</p>	<p>Types of floor finishing</p> <ul style="list-style-type: none"> i. Stone ii. Marble iii. Mosaic iv. Vinyl v. Vitrified tiles vi. Ceramic tiles vii. PVC viii. Carpet ix. Laminated x. Glass <p>(12 hrs.)</p>
Professional Skill 56 Hrs; Professional Knowledge 12 Hrs	Draw different types of carpentry joints by using CAD.	<p>Drafting simple joints used in furniture</p> <p>44. Drafting details drawing of different types of joints. (28 hrs)</p> <p>45. Draft a sheet of door/ window/ chair/ table/ bed (any one) (28 hrs)</p>	<p>Carpentry joints</p> <p>Types of joints</p> <ul style="list-style-type: none"> i. Butt joint ii. Mitre joint iii. Lap joint iv. Mortise and Tenon joint v. Tounge and groove joint vi. Housed joint vii. Cross joint <p>Joints used in furniture</p> <p>Joints used in doors/ windows/ ventilators.</p> <p>Model of Carpentry joints: -</p> <p>Demonstration of staircase with the help of respective models.</p> <p>(12 hrs.)</p>
Professional Skill 28 Hrs; Professional Knowledge 06 Hrs	Analyse and uses of paints polish and varnish.	<p>Generate Power Point Presentation for Paint, Polish and Varnish -</p> <p>46. Practicing processes & techniques of paints, polishing & varnishing on surfaces. (18 hrs)</p> <p>47. Recognize the tool & equipment and their</p>	<p>Paints and polishing/varnishing:</p> <p>What is paint</p> <p>Types of paints</p> <ul style="list-style-type: none"> i. Synthetic enamel ii. Acrylic Emulsion iii. distemper iv. Epoxy v. Nitro Cellulose



		<p>uses. (05 hrs)</p> <p>48. Estimate quantity of materials used on surface and labour cost. (05 hrs)</p> <p>NOTE: - necessary practical training will be carried out on site.</p>	<p>vi. Metallic</p> <p>vii. Texture</p> <p>viii. Lime wash</p> <p>ix. Exterior paint</p> <p>Painting techniques</p> <p>i. By Brush</p> <p>ii. By Roller</p> <p>iii. By spray gun</p> <p>Paintings defeats and remedies.</p> <p>Introduction of polish and varnish:</p> <p>Method of preparation and types of polish on wood.</p> <p>Types of varnishes:</p> <p>i. Oil</p> <p>ii. Spirit</p> <p>iii. Turpentine</p> <p>iv. Melamine</p> <p>v. PU (polyurethane)</p> <p>(06 hrs.)</p>
<p>Professional Skill 56 Hrs;</p> <p>Professional Knowledge 12 Hrs</p>	<p>Draw different types of partition wall by using CAD.</p>	<p>49. Design the full height and low height partition wall with different construction and finishing materials. (28 hrs)</p> <p>50. Draft Plan, sectional plan, front elevation and section with specification and dimension. (28 hrs)</p>	<p>Partition wall:</p> <p>Introduction of partition wall</p> <p>Property of a good partition wall</p> <p>Types of partition wall</p> <p>i. Brick partition</p> <p>ii. Glass partition</p> <p>iii. Timber or wooden partition</p> <p>iv. Aluminium partition</p> <p>(12 hrs.)</p>
<p>Professional Skill 28 Hrs;</p> <p>Professional Knowledge 06 Hrs</p>	<p>Draw plumbing and drainage details and sanitary fittings by using CAD.</p>	<p>51. Layout the plumbing/drainage /Sanitary plan and sectional elevation. (12 hrs)</p> <p>52. Make Top plan, side elevation, and front elevation of all sanitary plumbing fittings with dimension. (16 hrs)</p>	<p>Plumbing:</p> <p>Purpose and principle of house drainage.</p> <p>Types of Drainage plumbing system</p> <p>i. One pipe system</p> <p>ii. Single stack system</p> <p>iii. Single stack (partially ventilated system)</p> <p>iv. Two pipe system</p>

			<p>Sanitation:</p> <p>Traps</p> <ol style="list-style-type: none"> i. Gully trap ii. Intercepting trap iii. Grease trap iv. Floor trap or Nahni trap <p>Waste water disposal:</p> <ol style="list-style-type: none"> i. Inspection chamber ii. Septic tank <p>Pipes:</p> <ol style="list-style-type: none"> i. Soil pipe ii. Waste water pipe iii. Rain water pipe <p>Sanitation fitting:</p> <ol style="list-style-type: none"> i. Wash basin ii. Sink iii. Bath tub iv. Water closet v. Urinals vi. Flushing cisterns <p>(06 hrs.)</p>
<p>Professional Skill 56 Hrs; Professional Knowledge 12 Hrs</p>	<p>Draw lighting and electrical layout plan by using CAD.</p>	<p>53. Layout plan of false ceiling with lighting position, dimensions and specifications. (28 hrs)</p> <p>54. Layout of electrical plan & elevation along with switch board, electrical fittings & light fittings on wall with dimension. Introduction of LAN/ CCTV/ Biometric/ Speaker/ Smoke Detector (28 hrs)</p>	<p>Lighting:</p> <p>Introduction of natural and artificial light.</p> <p>Different types of lighting arrangements</p> <ol style="list-style-type: none"> i. Direct lighting <ul style="list-style-type: none"> • Angular lighting • Down lighting • Eyeball fitting • Track lighting • Shade lighting ii. Indirect lighting iii. Diffused lighting iv. Concealed lighting <p>Variety of lamps</p> <ol style="list-style-type: none"> i. Incandescent ii. Tungsten halogen iii. Florescent iv. Mercury v. Sodium vapour

			<ul style="list-style-type: none"> vi. LED <p>Electrical accessories</p> <ul style="list-style-type: none"> i. Switches & sockets with box ii. DB (distribution board) & MCB iii. Lamp holders iv. Ceiling roses <p>(12 hrs.)</p>
Professional Skill 28 Hrs; Professional Knowledge 06 Hrs	Draw air conditioning layout by using CAD.	55. Layout plan of window and Split air Conditioning with specification. (28 hrs)	<p>Air conditioning:</p> <p>Introduction of Air Conditioning Principle of Air Conditioning Types of Air Conditioning</p> <ul style="list-style-type: none"> i. Window Air Conditioning ii. Split Air Conditioning iii. Centralised Air Conditioning iv. Cassette Air Conditioning <p>(06 hrs.)</p>
Professional Skill 56 Hrs; Professional Knowledge 12 Hrs	Draw commercial interiors by using CAD.	<p>Office design project: -</p> <ul style="list-style-type: none"> 56. Layout plan (10 hrs) 57. Elevations. (10 hrs) 58. Necessary working details to execute the project smoothly. (14 hrs) 59. Free hand sketch for necessary details. (12 hrs) 60. Rendering with gradient & hatches. (10 hrs) 	<p>Planning of commercial interiors: -</p> <p>Introduction of office building.</p> <p>Offices-</p> <ul style="list-style-type: none"> i. Interior designer/Architect ii. Lawyer office iii. Administration Room iv. Hotel waiting lounge <p>Follow design guidelines and office space standard.</p> <p>(12 hrs.)</p>
<p>Project Work: - One room estimation of interiors works.</p> <p>Industrial Visit [Visit to different places for interior work and to different sites where interiors works are in progress & Necessary practical training to be carried out on site.]</p>			