

SCHEME OF EXAMINATION & DETAILED SYLLABUS

For
Bachelor of Vocational Studies
(B. Voc.)
(Interior Design)

B.VOC (INTERIOR DESIGN)

Semester I					
Code No	Paper	Credits	End Semester Exam	Internal Marks	Total Marks
BVID101	Applied Mathematics in Interior Design	3	70	30	100
BVID102	History of Interior Furniture	3	70	30	100
BVID103	Fundamentals of Interior Graphics	3	70	30	100
BVID104	Furniture Design-I	3	70	30	100
BVID105	Basic Design Source	3	70	30	100
BVID106P	Furnishings & Fittings	3	70	30	100
	Any one Training 400 hrs /8 weeks	12	100	50	150
BVID107A	Interior Designer				
BVID107B	Delivery & Installation Executive Furniture & Fittings				
BVID107C	Assistant Furniture Designer				
Total		30	520	230	750

Semester II					
Code No	Paper	Credits	End Semester Exam	Internal Marks	Total Marks
BVID201	Applied Physics for Interiors	3	70	30	100
BVID202	History of Interior Furniture-II	3	70	30	100
BVID203	Interior Construction & Structures-I	3	70	30	100
BVID204	Interior Graphics-I	3	70	30	100
BVID205	Communication skills	3	70	30	100
BVID206	Furniture Design-II	3	70	30	100
BVID207P	Language lab	2	30	20	50
	Any one Training 400 hrs /8 weeks	12	100	50	150
BVID208A	Design Supervisor Wooden/ Modular Furniture				
BVID208B	Supervisor Interior Designer				
Total		32	550	250	800

Semester III

Code No	Paper	Credits	End Semester Exam	Internal Marks	Total Marks
BVID301	Business Management	3	70	30	100
BVID302	Interior Services-I	3	70	30	100
BVID303	Interior Construction & Structures-II	3	70	30	100
BVID304	Universal Human Values	3	70	30	100
BVID305	Auto CAD	2	30	20	50
BVID306	Interior Design & Landscape-I	2	30	20	50
BVID307P	Furniture Design-III	3	70	30	100
BVID308P	Senior Interior Designer (Part-1) Training 400 hrs / 8 weeks	12	100	50	150
	Total	31	510	240	750

Semester IV

Code No	Paper	Credits	End Semester Exam	Internal Marks	Total Marks
BVID401	Display Design	3	70	30	100
BVID402	Interior Services-II	3	70	30	100
BVID403	Auto CAD-II	2	30	20	50
BVID404	Environmental Science	3	70	30	100
BVID405	Interior Construction-I	3	70	30	100
BVID406	Interior Design & Landscape-II	2	30	20	50
BVID407P	Furniture Design-IV	3	70	30	100
BVID408P	Senior Interior Designer (Part- 2) Training 400 hrs / 8 weeks	12	100	50	150
	Total	32	550	250	800

Semester V

Code No	Paper	Credits	End Semester Exam	Internal Marks	Total Marks
BVID501	Legal Ethics & Profession Practice	3	70	30	100
BVID502	Product Design-I	3	70	30	100
BVID503	Indian Constitution / Essence of Indian Traditional Knowledge	3	70	30	100
BVID504	Interior Budgeting & Estimation	3	70	30	100
BVID505	Visual Merchandising-I	2	30	20	50
BVID506	Interior Construction-II	3	70	30	100
BVID507P	Interior Design-I	2	30	20	50
BVID508P	On-Job-Training (OJT) Training 400 hrs / 8 weeks	12	100	50	150
	Total	31	510	240	750

Semester VI

Code No	Paper	Credits	End Semester Exam	Internal Marks	Total Marks
BVID601	Entrepreneurship & Project Management	3	70	30	100
BVID602	Product Design-II	3	70	30	100
BVID603	Visual Merchandising-II	2	30	20	50
BVID604	Interior Design-II	2	30	20	50
BVID606	Interior Project (Major Project)	6	70	30	100
BVID606	On-Job-Training (OJT) Training 400 hrs / 8 weeks	12	100	50	150
	Total	28	370	180	550

1ST SEMESTER

APPLIED MATHEMATICS IN INTERIOR DESIGN

(BVID 101)

OBJECTIVE:

The objective of this subject are to ensure that students whatever their mathematical background, they must acquire the knowledge which help them in calculation in Design, Construction, Estimation & Budgeting.

UNIT-I: TRIGONOMETRY: Measurement of angles in degree and radian and their conversion. Trigonometrical ratios and their relations, ratios of allied angles (without proof), sum and differences formulae and their applications, product formulae, from product to sum difference and vice versa, multiple and sub Multiple angles ($2A$, $A/2$).

MATRICES: Definition and types of matrices, addition, subtraction, and multiplication of matrices, inverse of a 3×3 matrix by adjoin matrix method, solution of linear equations containing up to 3 unknown only.

UNIT-II: CO-ORDINATE GEOMETRY:

1. Point- Cartesian and polar co-ordinates and their conversion, distance b/w two points, internal And external division formula, co-ordinates of centroid, in centre and circum-centre, conditions of co- linearity of points.
2. Straight line- Equation of a straight line in various standard forms, angle b/w straight lines, Perpendicular distance formulae.
3. Circle- Equation of circle in standard and general form, finding the equation of circle when its Centre and radius are given & when any 3 points on it are given.
4. Conics – Definition of conics, parabola, ellipse and hyperbola and their standard equation. Finding the equation of parabola when its focus and directrix or focus and vertices are given, finding the equation of an ellipse or hyperbola when focus, directrix and eccentricity are given. Given the standard equation of conic to find its focus, directrix, vertex, axis, eccentricity and the length of latus rectums.

UNIT-III: CENTRE OF GRAVITY: Definition, Calculation of CG of plane figures, like I, T, L.C, O hallow and Box sections.

MOMENT OF INERTIA (MOI): Definition, calculation of CG & MOI of plane figures about the principal axes e.g. rectangle, triangle & circle. Parallel axes theorem, Perpendicular axes theorem.

UNIT-IV: ALGEBRA: MENSTRUATION - AREA OF PLANE FIGURE:-

- Triangle - Rectangle
- Circle - Parallelogram

CALCULATION OF VOLUME AND SURFACE AREA OF A RIGHT RECTANGULAR PRISM:

- Pyramid - Cylinder
- Cone - Sphere and area of irregular figures.

ARITHMETIC AND GEOMETRICAL PROGRESSION – DEFINITION AND SIMPLE PROBLEMS.

REFERENCE BOOKS:

1. Applied Mathematics by R.D. Sharma
2. Plane Trigonometry by S.L. Loney
3. Applied Math's – Dr. Niraj Pant, King India Publication
4. Applied Math's – H.K. Dass, C.B.S. Publication

HISTORY OF INTERIOR FURNITURE (BVID 102)

OBJECTIVE:

To familiarize the students with the historical interior and furniture in contemporary.
Objective of this course is to make the aware of historical backgrounds of World Interiors to derive designs and Patterns based on it for contemporary and Modern Interiors.

UNIT-I: INTRODUCTION: PRE-HISTORIC:

Indus Valley Civilization: Methods of planning decorative features figures and forms used Cultural Features and life styles.

UNIT-II: Indian Handicrafts and Handlooms. Analysis of Hindu, Buddhist, Indo-Islamic interiors with special emphasis on decoration, ornamentation and motifs.

UNIT-III: Different Construction technique and materials used in interiors as part of structure/decorations with reference from influence of different factors or architectural forms and decorations such as Doors, Windows, Pillars, Columns, Paneling, Ceiling, Cornice frieze, Dado, Stone inlay and architectural decoration.

UNIT-IV: Different schools of Paintings in India. Influence of British Architectural on Indian Interiors and then gradual change in Architectural features in "British India".

REFERENCE BOOKS:

1. History of Fine Arts in India and West by Edith Tomary
2. History of World Architecture by Sir Banister Flecher
3. Indian Architecture by Satish Kumar
4. Interior Design by Ahemad Kasu

FUNDAMENTALS OF INTERIOR GRAPHICS (BVID 103)

OBJECTIVE:

- To make students improve their sketching skills & drawing abilities.
- To develop the skills in drawings of different interior schemes and enable the Students to read the Drawings & techniques of various methods of drawings.

UNIT-I: INSTRUCTIONAL OBJECTIVE:

Knowledge of instruments, papers, usages of graphic in present and future in Interior Design presentation. Skills in free hand presentation – Pencils, crayons, ink pen, Brush, cut paper, marker, sketch pen etc. in different mediums.

UNIT-II: INTRODUCTION TO FREE HAND DRAWING:

Free hand line on paper- horizontal and vertical lines, free hand circles, curves, parallel etc. free hand lettering in pencil, pen, brush, sketching of various geometrical shapes, Simple objects of interiors furniture and accessories, human forms, animals, interior views.

UNIT-III: SKILLS IN SCALED DRAWING (PENCIL AND PEN)

1. Knowledge of use of engineering scales- metric, foot and inches.
2. Reduction and enlargement
3. Physical measurements- exercises of different interior objects
4. Simple drafting of measured objects
5. Knowledge of 2-dimensional and 3-dimensional geometry
6. Exercise on drawing of simple plan, elevation and sections.

PROJECTIONS:

1. Orthographic, Isometric, Axonometric
2. Drafting of furniture objects with projections.

REFERENCE BOOKS:

1. Drawing – A creative Process, Francis D.K. Ching, John Wiley Sons, New York
2. Geometrical drawing for art students, 2nd revised edition- I.H.Morris, Orient Longman,
3. Architectural Drafting and Design, 4th Edition- Ernest R.Weidhaas, Allyn and Bacon, Boston, 1981.
4. Building drawing, 3rd Edition- MG Shah, CM Kale, Tata Mcgraw – Hill Publishing, New Delhi.

FURNITURE DESIGN-I

(BVID104)

OBJECTIVE:

To familiarize the students about the knowledge of furniture design and various aspects involved in the design of furniture for various spaces. Objective of this course is to develop competency to design and manufacture furniture in relation to human Forms and use it for Different types of interiors.

UNIT-I: Importance of furniture in relation to Interiors: study of shapes, forms finishes on furniture.

Environmental conditions influencing furniture designs: Climatic, social, economic, availability of materials and construction techniques.

UNIT-II: Introduction to various Materials: Wood, metals used in Furniture. Types of wood based products, Methods of care and maintenance, economics of furniture, durability and usability.

UNIT-III: Techniques of finishing the Surfaces: Wood and Metal Paints, Polishes and varnishes etc. hand Painting, brush painting, roller, spray etc.

UNIT-IV: Study of Anthropometric and ergonomic data in relation to various furniture, Diagrammatic representation through charts. An exercise has to be done where actual measurements have to be taken in relation to various furniture presentations in report form.

REFERENCE BOOKS:

1. The Encyclopedia of Furniture, Joseph Aronson, Crown Publishers, New York
2. Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York
3. Interior Design, Francis D.K. Ching, John Wiley & Sons, New York
4. Office Furniture, Susan S. Szenasy, Facts on file Inc, New York.

BASIC DESIGN SOURCE (BVID 105)

OBJECTIVE:

- The objective of this course is to make students understand the various aspects such as spatial Quality, design vocabulary, design principles, and design process related to the design of interiors.
- Moreover to develop the aesthetics and abilities to Design Residential and Commercial interiors With the help of principles and elements of design. Exercises based on principles and Elements of design in the form of charts shall be given to the students.

UNIT-I: DESIGN:

Definitions of Design, Arrangement, Composition.

PRINCIPLES OF COMPOSITION: Elements and Principles.

1. Introduction to various elements of composition, line, direction, shapes, form, color, value, ones and textures.
2. Principles of Composition
3. Repetition, Rhythm, Harmony, Unity, Balance, Dominance, Scale, Proportion, Contrast, practice exercise in composition with reference to above.
4. Designing of Murals, Paintings and Wall Paintings etc.

UNIT-II: COLOURS:

1. Terminology- Hue, Tints and Shade, Value, Intensity, Chroma
2. Theories of Colors, Color Wheels
3. Different types of Color Schemes
4. Colour Harmony, Colour Contrast in relation to Interior Planning.
5. Psychological aspects of colour – Warm and Cool
6. Advancing & Receding colors
7. Color, Pattern and Texture and their relationship in Interiors.
8. Colour Planning and guidelines for various Interiors.

UNIT-III: STUDY OF FORM, PATTERN, TONES AND TEXTURES

1. Factors influencing design
2. Functional and Non-functional
3. Shapes and Patterns derive from natural forms.
4. Pattern and Textures in relation to colours
5. Types of Textures and their relationship psychological; impact.
6. Textures in pencils, inks, and colour.

UNIT-IV: AESTHETICS OF INTERIORS:

1. Role of accessories in Interiors
 2. Role of Colour, Light, Shades, and shadows in interiors.
- Development of concepts in Interior Designing:
1. Preparation of scrap files for accessories, furniture and fittings
 2. Simple practice exercise in their development

REFERENCE BOOKS:

1. Interior Design-Ahmed Kasu
2. Interior Design Principal and Practice-M. Prataprao
3. Basic Design of Anthropometry – Shirish Bapat
4. Time Saver Standard for Interior Design and Space Planning – Mcgraw Hill New York
5. Interior Design and Decoration, Sherrill Winton, Prentice Hall

FURNISHINGS & FITTINGS (BVID 106P)

OBJECTIVE:

To provide the students' knowledge of the Furnishing & Fittings & its implementation in Interior of any Area. Objective of this course is to make the student aware of different types of furnishings and fittings and use of the same for all type of Interiors, by doing market Survey for up to date knowledge of different furnishing & Fittings.

UNIT-I: FLOORS-INTRODUCTION: Warmth, Safety, Noise, Choice and Planning.
Types of Floors: Hard, Semi- Hard, Soft Floor.

UNIT-II: FLOOR COVERINGS:

1. Types of Carpets & Rugs
2. Natural fibres and Man – made fibre
3. Handmade Carpets & Lying of Carpets.
4. Machine made Carpets

UNIT-III: TYPES OF WINDOWS & TREATMENTS:

1. Types of Curtains & Blinds
2. Fittings & Accessories required for Curtains & Blinds.
3. Valance, Swags, Tails, Tracks, Poles and other hardware materials used in curtains and blinds.

UNIT-IV:

1. Fittings & Fixtures of Bathroom & Kitchen.
2. Sanitary & Hardware

REFERENCE BOOKS:

1. Interior Design Illustrated, Francis D.K. Ching
2. House Book (The complete guide to Home Design) by Terence Conron.
3. Window Fashion, Charles TIRANDALL
4. A.J. Metric Handbook: Editors Jan, Bilwas & Leslie fair weather.

**INTERIOR DESIGNER
(BVID 107A)**

**DELIVERY & INSTALLATION EXECUTIVE
FURNITURE & FITTINGS
(BVID 107B)**

**ASSISTANT FURNITURE DESIGNER
(BVID 107C)**

2ND SEMESTER

APPLIED PHYSICS FOR INTERIORS

(BVID201)

OBJECTIVE:

Objective of this subject is to develop the awareness in students while designing any interior who have knowledge of environment which relates to physics.

UNIT-I: 1. Units of measurement in SI system Dimensions and sue of dimensional analysis.

2. Force and Motion – Newton’s Law, Conservation of momentum, work and energy, Forms of Energy, conservation of energy, stress, strain, elastic modulus.

3. Spring mass system, Vibration of bodies: amplitude, frequency and energy of Vibrations, free and Forced vibrations, resonance, vibration of structural members.

UNIT-II:

1. Temperature and its measurement. Liquid in glass thermometer.

2. Expansions of solids, thermal stresses, specific heat and heat capacity and concept of thermal time Lag in buildings, laws of thermodynamics, principles of heat engines and refrigeration and air – Conditioning system. Humidity and its control.

3. Acoustics of building and simple calculation of reverberation time, principles of acoustical modelling, Sources of sound.

UNIT-III:

1. Electrical nature of matter, molecular forces- cohesive and adhesive forces-Cohesive and adhesive Forces, application to water proofing.

2. Electromagnetic waves, infrared and ultraviolet rays, coated glasses and their Characteristics.

3. Light as waves, solar energy, solar cells and green house effects, colour- primary colours, colour Mixing, Radiant light flux, luminous intensity, illumination, light efficiencies, standards of Illumination.

UNIT-IV:

1. Introduction to Statics: Forces, their definition, characteristics & types, composition and Resolution of Forces, moment and couple, Concepts of resultant and equilibrium of forces: Parallelogram and polygon, laws of forces, conditions of equilibrium, Lami’s Theorem.

2. Stress & Strain Hooke’s Law: Concept of direct forces (compression & tension), Elasticity, Plasticity etc., Hooke’s Law, modulus of Elasticity, Elastic limit stress/ strain curve for mild Steel under Constant tension. Problem on Hooke’s Law and introduction to temperature stresses.

REFERENCE BOOKS:

1. Strength of Materials, Khurmi, R.S., S. Chand & Company, New Delhi, 2001
2. Basic Applied Physics, R.K.Gaur, Dhanpant Rai and Son’s, New Delhi
3. Strength of Materials, Ramamrutham, Dhanpat Rai Publication, New Delhi, 1998.
4. Applied Physics – I Dr. Niraj Pant, King India Publication, New Delhi.

HISTORY OF INTERIOR FURNITURE-II (BVID202)

OBJECTIVE:

To familiarize the students about the historical interior and furniture and use in today's time.

The aim of this subject is to develop a sense of appreciation for History of Interior with Furniture in relation to Interior Planning.

UNIT-I: OCCIDENTAL INTERIORS:

1. Introduction to the periods of History, Cultural, Architectural & Interior Planning from ancient to middle ages, Renaissance, Modern Periods.
2. Concepts and Architectural characteristic of Ancient, Medieval, renaissance period explaining different factors.
3. Influence ornamentalations- Motifs, Furniture, Doors, Windows, Pillars, Columns, Paneling, Ceiling, Cornices, Frieze, stone or wood inlay etc.

UNIT-II: STUDY OF PERIOD FURNITURE AND MOTIFS:

1. European Furniture – (Renaissance onwards)
2. Italian, Spanish, French
3. Renaissance and its influence on ornamentation and furniture.
4. English, 15-18 Century (from Tudor to Victorian) style of furniture & decoration.
5. American Colonial period furniture and Ornamentation 19th and 20th century – French, English and American Styles.

UNIT-III: English, 15th - 18th Century (from Tudor to Victorian) style of furniture & decoration.

American Colonial period furniture and Ornamentation 19th century.

UNIT-IV: ORIENTAL

19th and 20th century – French, English and American Styles.

- Difference in basic shapes, form & motifs of East and West.
- Wood & other materials used, familiarity with methods of gilding, embossing, moulding, Stenciling
- Demonstration of marquetry, Brass, Ivory, Mother of Pearl, Inlay, Wood etc.

REFERENCE BOOKS:

1. English Furniture Style (1500–18) by Ralph E
2. Interior Design, Francis D. K. Ching, John Wiley & Sons, New York
3. The Encyclopaedia of Furniture, Joseph Aronson, Crown Publishers, New York
4. Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York

INTERIOR CONSTRUCTION & STRUCTURES-I (BVID203)

OBJECTIVE:

To familiarize the students of Interior Design on material and construction methodology.
Designing of Steel & R.C.C. Structure. Understanding the basic components of the buildings envelope for small buildings.

UNIT-I:

1. Basic Building Components: Foundation till super structure
2. Stone and Brick Masonry: Types of Bonds
3. Different types of Stone Masonry

UNIT-II: OPENINGS:

1. Types of Arches & Lintels
2. Types of Doors & Windows
3. Types of Roofs.

UNIT-III: INTRODUCTION TO STRUCTURE:

1. RCC, Structural Elements
2. RCC Beams
3. Reinforced Beams
4. Slabs
5. Columns

UNIT-IV:

1. Steel structure elements – Comparison of steel and RCC structure in building
2. Introduction to seismic zone considerations on high rise structures.
3. Introduction to design implications to disasters.

REFERENCE BOOKS:

1. Sushil Kumar, "Building Construction"
2. S.C.Rangwala, "Engineering Materials", Charotar Publishing, Anand
3. W.B. Meckay, "Building Construction", Vol. 1, 2, 3, 4
4. Francis D. K. Ching, "Building Construction Illustrated", VNR, 1975.

INTERIOR GRAPHICS-I (BVID204)

OBJECTIVE:

Students should acquire knowledge of the various drawings, which effectively communicate their designs. To train the students in the field of Interior perspective drawing and sciography Presentation skills. Techniques for Construction as a tool towards effective Visualization and Presentation.

UNIT-I: MEASURED DRAWINGS:

1. Techniques in skilled drafting and perspectives
2. Knowledge of standardized drawings, importance, various architectural symbols and usage in Drawing.
3. Drafting of Simple Room layout plan, elevations, and sections with dimensions, showing levels, and specifications writing.

UNIT-II: Drafting of Simple Room layout plan, elevations, and sections with dimensions, showing levels, and specifications writing.

UNIT-III: Axonometric views of rooms as per the drafted layout plan, furniture, etc.

1. Perspective
2. Terminology of perspective drafting and drawing viz planes, vanishing point, cone of vision, one Point, two point, bird's eye view, worm's view etc.
3. Drafting perspective views – one point, two point perspectives with colours and pencil rendering, knowledge of tones and textures, colour applications and choice of different medium.

UNIT-IV: Sciography: Sciography in plan, elevation and basic sciography use in orthographic projections of simple objects and use of letterset and stencils.

REFERENCE BOOKS:

1. Perspective & Sciography by Shankar Mulik, Allied Publishers.
2. Engineering Drawing, M.S. Kumar, D.D. Publications, Chennai
3. Geometrical drawing for Art Students, I.H. Morris, Orient Longman, Chennai
4. Perspective Principles, M.G. Shah & K.M. Kale, Asia Publications, Mumbai

COMMUNICATION SKILLS (BVID205)

OBJECTIVE:

Students should have studied General English up to secondary level and the subject aims at developing communication skills in writing, speaking as well as body language.

UNIT-I: RECOGNIZING AND UNDERSTANDING COMMUNICATION STYLES: What is Communication? Passive Communication, Aggressive Communication, Passive-Aggressive Communication, Assertive Communication, Verbal and NonVerbal Communication, Barriers and Gateways to Communication.

UNIT-II:

LISTENING SKILLS: Types of Listening (theory /definition), Tips for Effective Listening Academic Listening- (lecturing), Listening to Talks and Presentations, Basics of Telephone communication

WRITING SKILLS: Standard Business letter, Report writing, Email drafting and Etiquettes, Preparing Agenda and writing minutes for meetings, Making notes on Business conversations, Effective use of SMS, Case writing and Documentation.

UNIT-III: SOFT SKILLS: Empathy (Understanding of someone else point of view), Intrapersonal skills, Interpersonal skills, Negotiation skills, Cultural Aspects of Communication.

UNIT-IV: GROUP COMMUNICATION: The Basics of Group Dynamics, Group Interaction and Communication, How to Be Effective in Groups, Handling Miscommunication, Handling Disagreements and Conflicts, Constructive Criticism.

REFERENCE BOOKS:

1. Mckay, M., Davis, M. & Fanning, P.(2008). Messages: The Communication Skills Book, New
2. Harbinger Publications
3. Perkins, P.S., & Brown, L. (2008). The Art and Science of Communication: Tools for effective
4. Communication in the workplace, John Wiley and Sons
5. Krizan et al (2010). Effective Business Communication, Cengage Learning.
6. Scot, O. (2009). Contemporary Business Communication, Biztantra, New Delhi.
7. Chaney & Martin (2009). Intercultural Business Communication, Pearson Education
8. Penrose et al (2009). Business Communication for Managers, Cengage Learning.

FURNITURE DESIGN-II (BVID206)

OBJECTIVE:

- To familiarize the students about the different types of furniture and use in today's time.
- To teach furniture design by applying joinery for furniture manufacturing in relation to specific interiors. Designing of different furniture pieces based on the different types of Interiors.

UNIT-I: INTRODUCTION OF VARIOUS MATERIALS USED IN FURNITURE

1. Wood, metal and glass
2. Wood and wood based products: uses, availability and cost of soft and hard woods, defects, properties and structures of different woods. Different types of wood based products available e.g. plywood, board, particle board, veneer etc.

UNIT-II: METALS: Mild steel, aluminium, brass, copper, wrought iron, GI springs steel etc. sections and raw materials available; market study and rates of the same.

GLASS: Sizes, Thickness, Treatments, Rates and available of sheet properties, plates, wired, laminated colored insulated, heat Resistant and block glass.

UNIT-III: Analysis of existing furniture with full size measured drawings like plan, elevation, sections and details. To understand the structure properly.

1. Joinery as applied to furniture
2. Redesigning of existing furniture keeping in mind the market and user's need

UNIT–IV: UPHOLSTERY MATERIALS: Types of foams, springs and other materials used for upholstering - Techniques of upholstering and various hardware used for the same.

REFERENCE BOOKS:

1. Butter Harry, “Do It Yourself Furniture”.
2. Marlo Dal Febro, “How to Build Modern Furniture”.
3. Joseph Aronson, “The Encyclopedia of Furniture”, Crown Publishers, New York
4. Joseph De Chiara, “Time Saver Standards for Interior Design”, McGraw Hill, New York.

LANGUAGE LAB (BVID207P)

LIST OF EXERCISES:

1. FUNDAMENTALS OF INTER-PERSONAL COMMUNICATION AND BUILDING VOCABULARY

- Self-introduction and introducing others
- Situational Dialogues: Starting a dialogue and responding relevantly & appropriately
- Role-Play-Expressions in various situations
- Social and Professional Etiquette: greetings, apologies, requests etc
- Telephone Etiquette.

2. NON-VERBAL COMMUNICATION

- Gesture, posture and body language
- Facial Expressions.
- Paralinguistic Skills
- Proxemics
- Eye Gaze.
- Haptics
- Appearance.

3. READING COMPREHENSION AND LISTENING EXERCISE

- General vs. Local Comprehension
- Skimming, Scanning
- Inference drawing
- Critical reading
- Listening, Hearing

4. PRESENTATION SKILLS

- Oral presentation
- Seminar/ conference Paper Presentation
- PPTs and Written presentation through poster/projects/reports/e-mails/assignments etc
- Camera ready presentation

5. GROUP DISCUSSION

- Dynamics of Group Discussion
- Intervention
- Summarizing
- Body Language and Voice, Intonation

6. INTERVIEW SKILLS

- Interview etiquette
- Body posture and body language
- Voice, intonation and modulation
- Fluency and organization of ideas
- Rubrics for evaluation: Concept and process, pre-interview planning, opening strategies, answering techniques,
- Interview through tele-conferencing and video-conferencing
- Mock interview

7. PUBLIC AND PROFESSIONAL SPEAKING

- Extempore
- Public Speech
- Professional speech/lecture

8. ARTICULATION AND MANAGEMENT

- Time management
- Articulation and expression
- Assertiveness
- Psychometrics
- Stress management

DESIGN SUPERVISOR WOODEN/ MODULAR FURNITURE (BVID208A)

SUPERVISOR INTERIOR DESIGNER (BVID208B)

3RD SEMESTER BUSINESS MANAGEMENT (BVID301)

OBJECTIVE:

This course is designed to expose the students to fundamental concepts of management, its processes and behavioral dynamics in organizations.

UNIT-I: Introduction to Management: Meaning and Nature of Management, Basic Concepts of Management, Definition, Need and scope .Different schools of management – Behavioral, Scientific, Systems, Contingency, Management by Objectives, Management and Society: The External Environment, Social Responsibility, and Ethics: An Overview.

UNIT-II: Management theories - F.W. Taylor - Henry Fayol - Elton Mayo, Evolution of Management (in India and Abroad), Levels of management, Process of Management: Managerial Skills, Tasks and Responsibilities of a Professional Manager.

UNIT-III: Planning-Process and Techniques, Organizing- Definition, Process and Organizational Structure, Nature, Importance, principles, centralization – de centralization Organization. Structures – Line & staff, functional, product, matrix, geographical, customer, virtual, boundary less. Staffing – Definition, Nature, Importance & steps.

UNIT-IV: Directing-Principles and Process, Controlling-Process and Techniques, Problem Solving and Decision Making - Definition, Nature, Importance, steps; Controlling – Techniques & Steps, Leading - Nature and scope. Contemporary issues in Management.

REFERENCE BOOKS:

1. Stoner, R. James A.F., Edward Freeman Daniel R Gilbert Jr., Management 6TH Ed, .Prentice- Hall of India
2. Essentials of management by Koontz H and Weirich, Tata, McGraw-Hill Education, Delhi.
3. Principles & Practice Of Management (Paper Back), Author: T.N.Chhabra, Publisher: Dhanpat Rai & Co (P) Ltd, Delhi
4. Management by James A.F.Stoner, Philip.W.Yetton, Jane F.Craig, Kim D.Johnston, Second Edition. Prentice Hall of India, Delhi.

INTERIOR SERVICES-I (BVID302)

OBJECTIVE:

This course aims at imparting knowledge in the area of interior services and their application like Water supply, lighting etc.

UNIT-I: WATER SUPPLY

- (a) Hot and cold water supply system
- (b) Types and sizes of pipes
- (c) Water supply fitting to –
 - (i) Bathroom (ii) Water closet (iii) Sink (iv) Bath tub (v) Wash Basin (vi) Bidets (vii) Showers, (viii) Urinals

UNIT-II: DRAINAGE

- a) Principles of Drainage
 - b) Materials for drains
 - c) Traps – types, sizes, function and usage
 - d) Pipes sizes and shapes Sanitary fixtures - WC, washbasins, bath tubs, sinks (Sizes and types)
 - e) Septic Tank
- Note: Simple exercises on preparation of layout plans for toilet, kitchen; both public and residential

UNIT-III: LIGHTING

- (a) Different systems of lighting – (i) natural (ii) artificial (b) Units for measuring light

UNIT-IV: ELECTRICAL LAYOUT

- (a) Planning – using electrical symbols
 - (b) Selection of fitting for different work areas as - drawing room, bedroom, study room, bath, kitchen, etc.
 - (c) Public places like offices, Malls, Hospitals
- Note: Include basic knowledge of material finishes and maintenance

REFERENCE BOOKS:

1. Building Construction by B.C.Punmia
2. Building Construction by Sushil Kumar
3. Materials by RANGWALA
4. Sanitary engineering by RS DESHPANDEY
5. Water supply and sanitation by CHARANJIT SHAH
6. A-Z of practical building constructions & its management By SANDEEP MANTRI
7. Electrical engineering by O.P. SHUKLA
8. Water supply and sanitation engineering by P.K. UPADHYAY
9. Sanitary Engineering by R.S. Deshpandey
10. Water supply & Drainage Gurcharan Singh

INTERIOR CONSTRUCTION & STRUCTURES-II

(BVID303)

OBJECTIVE:

Subject is used for understanding the structure to support Renovation/ Refurnishing / Designing of Any Interior.

UNIT-I: FLOORS

- (a) Ground and upper floor
- (b) Different types of flooring materials, laying details

UNIT-II: ROOFS

- a) Pitched – different types,
- b) Trusses – types and parts in sketches

UNIT-III: DOORS – (WITH MECHANICAL DEVICES)

- a) Aluminum and steel doors
- b) Types of door closing devices
- c) Sliding doors
- d) Sliding and folding doors
- e) Revolving doors
- f) Swing doors
- g) Shop window front

UNIT-IV: WINDOWS

- a) Aluminum and steel windows
- b) Different types - Bay, Bow, Corner, Dormer, Sky light, Louvered (French),
- c) Casement, clerestory, Pivoted, Sliding, Ventilators.

REFERENCE BOOKS:

- 1. Building Construction by B.C.Punmia
- 2. Building Construction by Sushil Kumar
- 3. Building Construction by W.B. McKay

UNIVERSAL HUMAN VALUES (BVID304)

OBJECTIVE:

- 1. To help students distinguish between values and skills, and understand the need, basic guidelines, content and process of value education.
- 2. To help students initiate a process of dialog within themselves to know what they 'really want to be' in their life and profession.
- 3. To help students understand the meaning of happiness and prosperity for a human being.
- 4. To facilitate the students to understand harmony at all the levels of human living, and live accordingly.
- 5. To facilitate the students in applying the understanding of harmony in existence in their profession and lead an ethical life

UNIT-I: Course Introduction- Need, Basic Guidelines, Content and Process for Value Education Understanding the need, basic guidelines, content and process for Value Education, Self-Exploration—what is it? - its content and process; 'Natural Acceptance' and Experiential Validation- as the mechanism for self exploration, Continuous Happiness and Prosperity- A look at basic Human Aspirations, Right understanding, Relationship and Physical Facilities- the basic requirements for fulfillment of aspirations of every human being with their correct priority, Understanding Happiness and Prosperity correctly- A critical appraisal of the current scenario, Method to fulfill the above human aspirations: understanding and living in harmony at various levels.

UNIT-II: Understanding Harmony in the Human Being- Harmony in Myself Understanding human being as a co-existence of the sentient 'I' and the material 'Body', Understanding the needs of Self ('I') and 'Body' - Sukh and Suvidha, Understanding the Body as an instrument of 'I' (I being the doer, seer and enjoyer), Understanding the characteristics and activities of 'I' and harmony in 'I', Understanding the harmony of I with the Body: Sanyam and Swasthya; correct appraisal of Physical needs, meaning of Prosperity in detail, Programs to ensure Sanyam and Swasthya.

UNIT-III: Understanding Harmony in the Family and Society- Harmony in Human-Human Relationship Understanding harmony in the Family- the basic unit of human interaction, Understanding values in human-human relationship; meaning of Nyaya and program for its fulfillment to ensure Ubhay-tripti; Trust (Vishwas) and Respect (Samman) as the foundational values of relationship, Understanding the meaning of Vishwas; Difference between intention and competence, Understanding the meaning of Samman, Difference between respect and differentiation; the other salient values in relationship, Understanding the harmony in the society (society being an extension of family): Samadhan, Samridhi, Abhay, Sah-astitva as comprehensive Human Goals, Visualizing a universal harmonious order in society- Undivided Society (AkhandSamaj), Universal Order (SarvabhaumVyawastha)- from family to world family!.

UNIT-IV: Understanding Harmony in the Nature and Existence- Whole existence so-existence Understanding the harmony in the Nature, Interconnectedness and mutual fulfillment among the four orders of nature- recyclability and self-regulation in nature, Understanding Existence as Co-existence (Sah-astitva) of mutually interacting units in all-pervasive space, Holistic perception of harmony at all levels of existence.

UNIT-V: Implications of the above Holistic Understanding of Harmony on Professional Ethics Natural acceptance of human values, Definitiveness of Ethical Human Conduct, Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order, Competence in Professional Ethics: a) Ability to utilize the professional competence for augmenting universal human order, b) Ability to identify the scope and characteristics of people-friendly and eco-friendly production systems, technologies and management models, Case studies of typical holistic technologies, management models and production systems, Strategy for transition from the present state to Universal Human Order: a) At the level of individual: as socially and ecologically responsible engineers, technologists and managers, b) At the level of society: as mutually enriching institutions and organizations.

TEXT BOOKS:

1. R R Gaur, R Sangal, G P Bagaria, 2009, A Foundation Course in Human Values and Professional Ethics.

REFERENCES:

1. Ivan Illich, 1974, Energy & Equity, The Trinity Press, Worcester, and Harper Collins, USA
2. E.F. Schumacher, 1973, Small is Beautiful: a study of economics as if people mattered, Blond & Briggs, Britain.
3. Sussan George, 1976, How the Other Half Dies, Penguin Press. Reprinted 1986, 1991
4. Donella H. Meadows, Dennis L. Meadows, Jorgen Randers, William W. Behrens III, 1972, Limits to Growth – Club of Rome's report, Universe Books.
5. A Nagraj, 1998, Jeevan Vidya Ek Parichay, Divya Path Sansthan, Amarkantak.
6. P L Dhar, RR Gaur, 1990, Science and Humanism, Commonwealth Publishers.
7. A N Tripathy, 2003, Human Values, New Age International Publishers.
8. SubhasPalekar, 2000, How to practice Natural Farming, Pracheen (Vaidik) KrishiTantraShodh, Amravati.
9. E G Seebauer & Robert L. Berry, 2000, Fundamentals of Ethics for Scientists & Engineers, Oxford University Press.
10. M Govindrajran, S Natrajan & V.S. Senthil Kumar, Engineering Ethics (including Human Values), Eastern Economy Edition, Prentice Hall of India Ltd.
11. B P Banerjee, 2005, Foundations of Ethics and Management, Excel Books.
12. B L Bajpai, 2004, Indian Ethos and Modern Management, New Royal Book Co., Lucknow. Reprinted 2008.

AUTO CAD (BVID305)

OBJECTIVE:

The objective of AutoCAD is to enable students to create 2D and 3D drawing in AutoCAD.

UNIT-I:

- Introduction to Hardware and Software of CAD
- Introduction: what is CAD? What to expect from CAD?
- A look at CAD industry, working of a CAD system
- CAD and interior design, the future of CAD.
- Components of CAD system
- Hardware software overview, CAD hardware, CAD software, CAD user interface
- Drawing with a computer. CAD software in the future

UNIT-II:

- Introduction to AutoCAD
- Advantages of CAD
- Business applications for CAD
- Building Information Modelling, wrapping it up
- Benefits of CAD Design
- What is AutoCAD?
- Starting AutoCAD
- World Coordinate System
- AutoCAD Basics
- Basic Terminology
- Interior designing using AutoCAD

UNIT-III:

- A prototype CAD drawing
- Limit setups for drawings
- Understanding scale concept and limits in AutoCAD
- Drawing tools, modify tools

UNIT-IV: COLOURS AND LINE TYPES

- Line type, line type scale, line weights
- How to create a custom simple line type
- AutoCAD command list

REFERENCE BOOKS:

1. Mastering AutoCAD by George Omura (BPB Publications)
2. Joseph A. Fiorello, CAD for interior basics, John Wiley & Sons
3. Timothy J. Barnes, Electronic CAD frame works, Springer
4. Schoon Maker, Ebook Corporation, Marcel Dekker
5. The CAD Guidebook: a basic manual for understanding and improving Computer –Aided Design, CRC Press.

INTERIOR DESIGN & LANDSCAPE-I (BVID306)

OBJECTIVE:

Use of Interior and Exterior Spaces awareness of Different types of plants – Indoor & Outdoor Plants. Designing of different Interior spaces.

UNIT-I: Design small apartment like 2 BHK/ 3 BHK with complete furniture Layout, Drawing - Plan, Elevation 3D View/Perspective View, Furniture detailing, using Colour schemes, Accessories, and Electrical layout Plan etc.

UNIT-II: Design commercial space like small store or Petrol Pumps convince store complete furniture Layout, Drawing - Plan, Elevation 3D view/Perspective View, Furniture detailing, using Colour schemes, Accessories and Electrical layout.

UNIT-III: FOR LANDSCAPE

- Relation between Outdoor and Indoor Spaces.
- How to relate interior & Exterior Spaces.
- Type of land escape – Hard and soft landscape & its use in Interiors.
- Use of materials – Constriction, Ground modeling, Ground cover, laying of grass, stone path ways.

UNIT-IV:

- Potted plants, hanging baskets, shrubs, creepers, Hedges Fences, Tree Guards, Trills, water bodies, Fountain, Sculpture, Artificial pools and different types of lights used in Exteriors and their uses.
- Project on land escape Balcony area/Private gardens with layout, and a Colored perspective.

REFERENCE BOOKS:

1. Indoor Plants by Xania Field
2. World Architecture (With Introduction to landscape Architecture) by G.K. Hiraskar
3. World of house plants by Johans
4. Indoor garden by Hunter
5. Indoor gardening by Reader Digest Association (London)
6. Japanese homes and gardens by Marcus G. Sims
7. Interior Decoration by Satish Chandra Agarwala

FURNITURE DESIGN-III

(BVID307P)

OBJECTIVE:

To familiarize the student about the knowledge of furniture design and various aspects of furniture for different spaces. Objective of this course is to develop competency to design and manufacture furniture in relation to human forms and use it for different types of Interiors

UNIT-I: Introduction to Furniture Period. Oriental furniture Period, Period Furniture – Oriental furniture, Historic & Period Furniture, History of furniture is Ancient World – Ancient Egypt, Greece, Rome, and Byzantine

UNIT-II: HISTORY OF FURNITURE IN

- Middle Age early mediaeval 500-1000
- Romomanesque, Gothic – 1200-1300,
- Furniture Development in Italy – Pre – Renaissance (1100-140)
- Quattrocento (1400-1500)
- Cinquecento (1500-1600)
- Baroque (1560 – 1700), Classical Revival (1750 – 1800)
- Italian Directoire (1795 – 1799), Italian Empire (1800 – 1815)
- Furniture Development In France –
- Early Renaissance – (1515 – 1547), High Renaissance (1560-1610), Baroque (1643 -1745)
- Rococo (1725 -1774)

UNIT-III: Neo-Classicism (1774 -1793), Directorie (1795 – 1799), Empire (1800-1815), Art Nouvea (1870 - 1909), French provincial, Furniture Development in England

- Tudor/ Elizabethan, Restoration (1600 – 1685)
- William & Mary (1689 – 1702), Queer Anne (1702 – 1714)
- Early George (1714 – 1760)

UNIT-IV:

- Age of the great Designers (1725- 1800), Thomas Chippendale (1718 – 1779)
- Robert Adam (1728 – 1792), George Happlewhite (1786), Thomas Sheraton (1751 – 1806)
- History of the 20th Century Furniture – Furniture Development in Germany, France, England, Italy, Scandinavia & USA

REFERENCE BOOKS:

1. Interior Design – Ahmed Kasu
2. World Furniture Edited by Helena Hayward
3. English Furniture Styles (1500 – 18) by Ralph ETime Saver Standard for Interior Design and Space Planning – McGraw Hill New York
4. Antique Furniture by David P. Lindquist and Carlone C. Warren

SENIOR INTERIOR DESIGNER (PART-1)

TRAINING 400 HRS / 8 WEEKS

(BVID308P)

4TH SEMESTER

DISPLAY DESIGN (BVID401)

OBJECTIVE:

To provide the students knowledge of the Display of Commercial Interiors & its implementation.
Objective of his course is to make the student learn the scope of Display and Sales Promotion with the help of Different types of Displays used in Commercial areas.

UNIT-I: INTRODUCTION: Display of various products/commodities, display and their scopes for sale, promotion at shop, City, State, National and International levels.

CLASSIFICATION: Window, Wall, Island, Counter, Atrium, Mobile, Kiosk, Store & Exhibition Display.

CONCEPTUALIZATION: Thematic Message, Seasonal Festival, State & Country oriented Display.

UNIT-II: DISPLAY PROPS AND DISPLAY MEDIA:

Use of Props, Publicity Media, Newspaper Ads, T.V., Hoardings, Posters, Banners, Billboards, Flyer, Panels, Logo, Trademarks.

- Window Display for sales promotion of different types of products/ commodities
- Use of different devices like blocks, stands, panels.
- Use of different types of lights and colours.
- For shops like Gift Gallery, Leather Goods like Bags, Shoes, Pottery and Kitchenware, Apparel for kids, ladies and gents (Branded Stores)

UNIT-III: IMPORTANCE OF DEVICES: Lettering, Colour, Lights and different types of Lights to be used for Display, Mechanical Devices used.

DEVICES USED FOR DISPLAY: Panels, Stands, Blocks.

Use of lettering and designing of logo and trade mark as an exercise on paper.

UNIT-IV: Planning designing and 3D views in colour using props for expressing 'Theme' or 'Message' in Display

COUNTER DISPLAYS

- Types and use of counters in store display
- Importance of Counter Display
- Planning and designing the counter display for Jewellery, spectacles/ shades, cosmetic goods and precious goods like Ivory items, precious stones, and sandal wood items using theme for display.
- All of the above to be carried out in lecture studio class
- Visits to various stores, malls and exhibitions

REFERENCE BOOKS:

1. Designs for 20th century Interiors – Fiona Leolie, VH Publications, London.
2. Worldwide Interiors – International Federation of Interior Architects & Designers, Rikuyo-Sha, Japan, 1987
3. Interior Design: the new Freedom, Barvaralec Diamonstein, Rizzoli International Publications, New York, 1982
4. Interior Colour by Design, Jonathan Poore, Rockport Publishers, 1992.

INTERIOR SERVICES-II

(BVID402)

OBJECTIVE:

This course aims at imparting knowledge in the area of interior services and their application like Air Conditioning, Sound insulation.

UNIT-I: SOUND AND THERMAL INSULATION

- Behavior of heat and sound propagation
- Acoustical defects such as echo, reverberation, sound foci
- Methods of correcting
- Sound absorbing materials
- Use of sound insulating materials in interiors like auditorium conference hall typing room

UNIT-II: FIRE SAFETY SYSTEMS

- Causes of fire
- Fire proof (Resistant) material
- Application of fire proof (Resistant) material
- Survey – Fire fighting equipment's

UNIT-III: VENTILATION

- Ventilation (i) Natural (ii) Artificial or Mechanical
- Requirement of ventilations system
- Artificial (mechanical) Ventilation systems – Extraction, Plenum, Extraction-Plenum, Air Conditioning

UNIT-IV: AIR CONDITIONING

- Definition
- Essentials of comfort Air Conditioning
- Types – Unit A/C, Central A/C, Split A/C, Package Unit, Central And Direct Expansion & Chilled water system (Indirect)
- Essentials of Air conditioning – Filtration, heating and cooling, humidification or dehumidification, air
- Circulation or distribution
- Latent heat, ton of air conditioning, refrigeration etc.

COUNTER DISPLAYS

- Types and use of counters in store display
- Importance of Counter Display
- Planning and designing the counter display for Jewellery, spectacles/ shades, cosmetic goods and precious goods like Ivory items, precious stones, and sandal wood items using theme for display.
- All of the above to be carried out in lecture studio class
- Visits to various stores, malls and exhibitions

REFERENCE BOOKS:

1. Building Construction by B.C.Punmia
2. Building Construction by Sushil Kumar
3. Materials by RANGWALA
4. Sanitary engineering by RS DESHPANDEY
5. Water supply and sanitation by CHARANJIT SHAH
6. A-Z of practical building constructions & its management By SANDEEP MANTRI
7. Electrical engineering by O.P. SHUKLA
8. Water supply and sanitation engineering by P.K. UPADHYAY
9. Sanitary Engineering by R.S. Deshpandey

AUTO CAD-II

(BVID403)

OBJECTIVE:

The objective of AutoCAD is to enable students to create 2D and 3D drawing in AutoCAD.

UNIT-I:

- Introduction to working in AutoCAD and layers
- Introduction: the x, y co-ordinate system
- AutoCAD basics
- Layers
- Layer, text and dimensioning
- Working with layers

UNIT-II:

- Drawing insertion, object snap, zooming and panning
- Insert a graphic file into an existing Visio drawing
- Insert command
- Building Information Modelling, wrapping it up
- Benefits of CAD Design
- What is AutoCAD?
- Starting AutoCAD
- Insert to AutoCAD
- Object snap
- Snap in AutoCAD
- Zooming and panning, freehand sketch, editing and drawing

UNIT-III: PLAN AND 3D VIEW DRAWING

- Introduction
- 3D CAD Terminology
- Isometric Drawing
- The 3D co-ordinate system
- 3D rotation
- Viewing in 3-D objects
- Wire frame Drawing Techniques
- Line thickness Drawing Techniques
- Regions and 3-D faces

UNIT-IV: Module- 4 ENHANCED 3-D

- Extruding and lofting
- Revolving objects
- AutoCAD 3-D modelling -3D views

REFERENCE BOOKS:

1. Mastering AutoCAD by George Omura (BPB Publications)
2. Joseph A. Fiorello, CAD for interior basics, John Wiley & Sons
3. Timothy J. Barnes, Electronic CAD frame works, Springer
4. Schoon Maker, Ebook Corporation, Marcel Dekker
5. The CAD Guidebook: a basic manual for understanding and improving Computer –Aided Design, CRC Press.

ENVIRONMENTAL SCIENCE

(BVID404)

OBJECTIVE:

- To learn the importance in conservation of environment and natural resources.
- To learn causes, effects and control measures of environmental pollution.
- To understand the concepts of disaster management and preparedness to overcome

UNIT-I: Natural Resources: Introduction to Environment and natural resources (Definition, scope and important) – Forest Resources: Use and over-exploitation of forest resources and its impact on forest and tribal people – Water Resources: Use and over-exploitation of water and impact – Land Resources: Land degradation and soil – erosion, desertification – Food Resources: Effects of modern agriculture, fertilizer- pesticide problems – Energy Resources: Growing energy needs renewable and non-renewable energy source-use of alternative energy sources.

UNIT-II: Ecosystem and Biodiversity: Concept of an ecosystem – Structure and function of an ecosystem – Energy flow in the ecosystem – Food chains, food webs and ecological pyramids – Types of ecosystem – Biodiversity: genetic, species and ecosystem diversity, India as a mega – diversity nation – Threats to biodiversity: habitat loss, poaching of wild life, man-wildlife conflicts; Endangered and endemic species of India – Conservation of Biodiversity: In-situ and Ex-situ conservation of biodiversity.

UNIT-III: Environmental Pollution: Causes, effects and control measure of: Air pollution, Water pollution, Soil pollution, Noise pollution and nuclear hazards, Solid waste management, Global environmental problems.

UNIT-IV: Social Issues and the Environment: Sustainable development, Rural Urban problems related to environment, Water management and rain water harvesting – Environment ethics: Issues and possible solutions, Environmental Protection Policy, Acts and Legislation, Population and the Environment – Environmental and Population concern: Environment and human health, Environment education at various levels – HIV/AIDS, Women and child welfare, gender issues, gender equity, institutions for gender studies / research.

UNIT-V: Meaning and concepts, types, causes and management – Effects of disaster on community, economy, environment – Disaster management cycle: early response, rehabilitation, reconstruction and preparedness – Vulnerability Analysis and role of community in Disaster Mitigation – The Disaster Management Act 2005 – Disaster Management Authority: National, State and District level – Ill effects of fireworks.

REFERENCE BOOKS:

1. A text book of Environmental Studies, 2006, Asthana, D.K., Meera Asthana, S.Chand & Company Ltd., New Delhi.
2. Environmental Studies, 2005, Benny Joseph, Tata Macgraw – Hill Publishing Company, New Delhi
3. A text book of Environmental Studies, 2005, Erach Bharueha, UGC, University Press, New Delhi.
4. Panchayats in Disaster: Preparedness and Management, 2009, Palanithurai, G., Concepts Publishing company.
5. A text book of Environmental Studies, 2003, Thangamani and Shyamala, Pranav Syndicate, Publication Division, Sivakasi.

INTERIOR CONSTRUCTION-I

(BVID405)

OBJECTIVE:

The objective is to refurbish different types of interior.

UNIT-I:

- Design and fixing details of paneling,
- Materials used for paneling in interior
- Paneling in plywood

UNIT-II: PARTITIONS (SPACE DIVIDERS- FULL OR HALF PARTITIONS)

- Types
- Simple partitions in wood, glass and metal
- Movable partitions
- Sound proof partition
- Various modern materials available in markets

UNIT-III: FALSE CEILING (TIMBER)

- Purpose
- Materials used for fixing and finishing.
- Design and details of false ceiling in timber.

UNIT-IV: FALSE CEILING (OTHER MATERIALS)

- Role of glass, gypsum, POP in false ceiling
- Fixing of Plaster of Paris in false ceiling

REFERENCE BOOKS:

1. Building Construction by Sushil Kumar
2. Building Constructions by W. B. McKay, V.P. Sikka, B.C. Punmia, ARORA AND BINDRA

INTERIOR DESIGN & LANDSCAPE-II (BVID406)

OBJECTIVE:

To make Interior schemes of different types of interiors and use of landscape in interior & exterior

UNIT-I: PREPARING INTERIOR SCHEME FOR

- a. Office Area for Architects or Interior Designers, Any Office
- b. Office Private individual office

UNIT-II: Commercial office containing Reception Area chairman's chamber, Directors Room, Staff area with open cubicles, pantry & Toilet /Washroom area, conference hall & common staff area and drawing required as layout plans, elevation and perspective Views of different area in color with use of proper accessories, plants and flower arrangement for various areas of office

UNIT-III: Fast Food Restaurant: - Existing Restaurant in neighborhood with layout plan and perspective view in the form of free hand sketches.

UNIT-IV: Public Park of your own colony/ area or specified park. Create space for public function stage and gazebo etc. Terrace garden to be designed, laying of grass on terrace, potted plants, hanging baskets, use of lights and making sitting areas for small family get-togethers.

DRAWING REQUIRED:-

Layout plan, Elevations, and Perspective view of different areas in color with use of proper Accessories, plants and flower arrangements for various areas in office.

REFERENCE BOOKS:

1. Indoor Plants by Xania Field
2. World Architecture (With Introduction to landscape Architecture) by G.K. Hiraskar
3. World of house plants by Johans
4. Indoor garden by Hunter
5. Indoor gardening by Reader Digest Association (London)
6. Japanese homes and gardens by Marcus G. Sims
7. Interior Decoration by Satish Chandra Agarwala

FURNITURE DESIGN-IV (BVID407P)

OBJECTIVE:

To teach furniture design, joinery for furniture manufacturing in relation to specific interiors, drawing of different furniture pieces based on the above.

UNIT-I: Introduction & Study of the space saving furniture. Residential & Commercial area

UNIT-II: Different material used for making furniture like cane, Bamboo, Wood, Glam, Metal, PVC.

UNIT-III: Concept of folding & Knock Down furniture, Movable, Modular furniture

UNIT-IV: Different finishes used on furniture according to the climatic Conditions of different Countries.

DRAWING REQUIRED:-

Layout plan, Elevations, and Perspective view of different areas in color with use of proper Accessories, plants and flower arrangements for various areas in office.

REFERENCE BOOKS:

1. The Encyclopedia of Furniture, Joseph Aronson, Crown Publishers, New York
2. Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York
3. Portable Furniture by Vicki Brooks
4. Shelves and Cabinets by Alexandria, Virginia
5. Interior Design, Francis D.K. Ching, John Wiley & Sons, New York
6. Office Furniture, Susan S.Szenasy, Facts on file Inc, New York

SENIOR INTERIOR DESIGNER (PART- 2) TRAINING 400 HRS / 8 WEEKS (BVID408P)

5TH SEMESTER

LEGAL ETHICS & PROFESSION PRACTICE

(BVID501)

OBJECTIVE:

To acquaint the students with role of an interior designer in society, scale of Charges conduct in the practice.

UNIT-I: INTRODUCTION - CONTRACT DOCUMENT

- Contract and conditions of engagement of interior projects
- Responsibilities, liabilities and duties of interior designer
- Terms and conditions for entering into Contact, Scale of charges and mode of payment for the Professional services to be offered
- Duties and liabilities as per the Architect Act, 1972
- Contractor's and Owner's (Employer's) Duties and liabilities.

UNIT-II: PROFESSIONAL PROCEDURES: Preparation of schedules and progress charts, Supervision of sub-trades and sub-contractors.

UNIT-III: CODE OF PRACTICE

- Confidential information for client's employer, Encroachment on existing project of another designer in direct competition, Fees, scale of change, commission and discount, retaining fees, rejection.
- Advertising, press display, classified columns, announcement of change of address, size of name plate etc.
- Conditions of agreements and terms of contracts alternatives agreements, out of pocket expenses, stages of payment, settlement of disputes and arbitration

UNIT-IV: JOB PROCEDURES

- Regulations & restrictions on various types of new & old work, Local by-laws pertaining to interiors & renovation of buildings, Storage & maintenance of plants & materials, Liabilities, Local tradesmen working conditions & practices.

REFERENCE BOOKS:

1. Professional Practice by Dr. Roshan H. Namavati
2. Metric Handbook (Planning & Design Data) 2nd Ed. Edited By, David Adler
3. Professional Practice by Krishnamurthy K.G
4. The Construction of Building by R. Barry

PRODUCT DESIGN-I

(BVID502)

OBJECTIVE:

Students must learn the techniques of design the product first and production of the same in any Medium, they select.

UNIT-I:

- Section of material, understand the properties of material
 - Material to work on I unit is PAPER
 - Products which can be made are:- Pen stand, tissue paper box, gift box, wedding card box, Sweets or chocolate box.
- The drawing with complete size and details must be made.

UNIT-II: MATERIAL: mount board, choksi board

PRODUCTS: Photo frame, table calendar, wall clock, wall hanging, etc. With proper design and drawing on sheet with details.

UNIT-III:

MATERIAL: Thermocol

PRODUCTS: accessories/ props for Birthday Party for theme oriented, etc.

All these accessories must be drawn on paper with complete details and color schemes Prepare: Masks for different occasions, Candel, Diyas, Flowers, etc. to orient the theme

UNIT-IV:

MATERIAL: Cloth, wire, ribbon, wool, sutli, etc.

PRODUCTS: wind chimes, decorative balance, flowers with cloth, ribbon and wool, etc.

All designs to be made on drawing sheets

TOOLS/ EQUIPMENTS REQUIRED FOR HOLDING PRODUCT DESIGN WORKSHOP:

Scissors, paper cutters, pliers, small hammers

REFERENCE BOOKS:

1. Wood bonding handbook by Stevens & Turner
2. Indian decorative design by Aryan
3. Furniture in color by Synge
4. Furniture making by Collisehon
5. Furniture face lifts by Wagstaff & Thurgood

INDIAN CONSTITUTION (BVID503)

OBJECTIVE:

- To acquaint the students with legacies of constitutional development in India and help those to understand the most diversified legal document of India and philosophy behind it.
- To make students aware of the theoretical and functional aspects of the Indian Parliamentary System.
- To channelize students' thinking towards basic understanding of the legal concepts and its
- Implications for engineers.
- To acquaint students with latest intellectual property rights and innovation environment with related regulatory framework.
- To make students learn about role of engineering in business organizations and e-governance.

UNIT-I: INTRODUCTION AND BASIC INFORMATION ABOUT INDIAN CONSTITUTION: Meaning of the constitution law and constitutionalism, Historical Background of the Constituent Assembly, Government of India Act of 1935 and Indian Independence Act of 1947, Enforcement of the Constitution, Indian Constitution and its Salient Features, The Preamble of the Constitution, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Parliamentary System, Federal System, Centre-State Relations, Amendment of the Constitutional Powers and Procedure, The historical perspectives of the constitutional amendments in India, Emergency Provisions: National Emergency, President Rule, Financial Emergency, and Local Self Government – Constitutional Scheme in India.

UNIT-II: UNION EXECUTIVE AND STATE EXECUTIVE: Powers of Indian Parliament Functions of Rajya Sabha, Functions of Lok Sabha, Powers and Functions of the President, Comparison of powers of Indian President with the United States, Powers and Functions of the Prime Minister, Judiciary – The Independence of the Supreme Court, Appointment of Judges, Judicial Review, Public Interest Litigation, Judicial Activism, LokPal, Lok Ayukta, The Lokpal and Lok ayuktas Act 2013, State Executives – Powers and Functions of the Governor, Powers and Functions of the Chief Minister, Functions of State Cabinet, Functions of State Legislature, Functions of High Court and Subordinate Courts.

UNIT-III: INTRODUCTION AND BASIC INFORMATION ABOUT LEGAL SYSTEM: The Legal System: Sources of Law and the Court Structure: Enacted law -Acts of Parliament are of primary legislation, Common Law or Case law, Principles taken from decisions of judges constitute binding legal rules. The Court System in India and Foreign Courtiers (District Court, District Consumer Forum, Tribunals, High Courts, Supreme Court). Arbitration: As an alternative to resolving disputes in the normal courts, parties who are in dispute can agree that this will instead be referred to arbitration. Contract law, Tort, Law at workplace.

UNIT-IV: INTELLECTUAL PROPERTY LAWS AND REGULATION TO INFORMATION: Intellectual Property Laws: Introduction, Legal Aspects of Patents, Filing of Patent Applications, Rights from Patents, Infringement of Patents, Copyright and its Ownership, Infringement of Copyright, Civil Remedies for Infringement, Regulation to Information- Introduction, Right to Information Act, 2005, Information Technology Act, 2000, Electronic Governance, Secure Electronic Records and Digital Signatures, Digital Signature Certificates, Cyber Regulations Appellate Tribunal, Offences, Limitations of the Information Technology Act.

UNIT-V: BUSINESS ORGANIZATIONS AND E-GOVERNANCE: Sole Traders, Partnerships: Companies: The Company's Act: Introduction, Formation of a Company, Memorandum of Association, Articles of Association, Prospectus, Shares, Directors, General Meetings and Proceedings, Auditor, Winding up. overnance and role of engineers in E-Governance, Need for reformed engineering serving at the Union and State level, Role of I.T. professionals in Judiciary, Problem of Alienation and Secessionism in few states creating hurdles in Industrial development.

REFERENCE BOOKS:

1. Brij Kishore Sharma: Introduction to the Indian Constitution, 8th Edition, PHI Learning Pvt. Ltd.
2. Granville Austin: The Indian Constitution: Cornerstone of a Nation (Classic Reissue), Oxford University Press.
3. S.G Subramanian: Indian Constitution and Indian Polity, 2nd Edition, Pearson Education 2020.
4. Subhash C. Kashyap: Our Constitution: An Introduction to India's Constitution and constitutional Law, NBT, 2018.
5. Madhav Khosla: The Indian Constitution, Oxford University Press.
6. PM Bakshi: The Constitution of India, Latest Edition, Universal Law Publishing.
7. V.K. Ahuja: Law Relating to Intellectual Property Rights (2007)
8. Suresh T. Viswanathan: The Indian Cyber Laws, Bharat Law House, New Delhi-88
9. P. Narayan: Intellectual Property Law, Eastern Law House, New Delhi
10. Prabudh Ganguli: Gearing up for Patents: The Indian Scenario, Orient Longman.
11. BL Wadehra: Patents, Trademarks, Designs and Geological Indications Universal Law
12. Publishing - LexisNexis.
13. Intellectual Property Rights: Law and Practice, Module III by ICSI (only relevant sections)
14. Executive programme study material Company Law, Module II, by ICSI (The Institute of Companies Secretaries of India) (Only relevant sections i.e., Study 1, 4 and <https://www.icsi.edu/media/webmodules/publications/Company%20Law.pdf>
15. Handbook on e-Governance Project Lifecycle, Department of Electronics & Information Technology, Government of India, https://www.meity.gov.in/writereaddata/files/e- Governance_Project_Lifecycle_Participant_Handbook-5Day_CourseV1_20412.pdf
16. Companies Act, 2013 Key highlights and analysis by PWC. <https://www.pwc.in/assets/pdfs/publications/2013/companies-act-2013-key-highlights- and-analysis.pdf>

INTERIOR BUDGETING & ESTIMATION (BVID504)

OBJECTIVE:

Basic understanding of quantities, cost & methods to make estimates. The students should be able to make estimate of interior schemes. Proposed for the client.

UNIT-I: ESTIMATE

- Different Types
- General Principles of approx methods of costing for various interior works for all types of old & new works.

UNIT-II: SPECIFICATION:

- Definition.
- Principles of specification
- Types of specification
- Partition
- Partitional walls commercial Plywood, block board Laminated Sheet, glass etc.
- Plastering with cement mortar.
- Flooring -Cement conc., marble, mosaic
- Distemping & Colours washing.
- Wood work: Doors, window, partition, cabinet sets, false ceiling, furniture wall Partitions, wall paneling, table, chair etc.
- Water supply & Sanitary Fitting etc.

UNIT-III: TAKING OUT QUANTITIES:

- Units of measurement -cubic meter, square meter, running meter.
- General rules for measurements.
- Quantity Survey: Spot item
- Prime cost
- Provisional sums
- Costing of work

UNIT-IV:

- Data collection & keeping information of market prices of materials
- Exercises on preparation & calling of Tenders.
- Estimation & Schedule of Quantities for furniture pieces
- Estimation of one complete project of interior
- Preparation of above estimates using computer software

REFERENCE BOOKS:

1. A Text Book of Estimation, Costing and Valuation by Gurcharan Singh and Jagdish Singh
2. Budgeting & Estimation by B. N. Dutta
3. Civil Estimating & Costing by Amarjit Agarwal and A. K. Upadhyay.
4. Professional Practice by Dr. Roshan H. Namavati

VISUAL MERCHANDISING-I

(BVID505)

OBJECTIVE:

Since the background of Display is there in Visual Merchandising, students are given knowledge of promoting sales of products. Students take up assignments as Display on lists or exhibition designer.

UNIT-I: ATRIUM / FOYER DISPLAY

- What is atrium or foyer display?
- Its importance and how to present the same?
- Scope of atrium display
- Planning and colored view for approval on sheet/ drawings.

UNIT-II: Automobile

- Car
- Two Wheeler

Cold drinks or new juice introduction in the atrium

UNIT-III: MOBILE DISPLAYS

- Its importance and use
- Introducing new products with the help of publicity material like placard, hoarding, Leaflet/flyers

UNIT-IV: Exercises on cosmetic display, landscape, plants and landscape accessories display

REFERENCE BOOKS:

1. Image India by Dhamija
2. Indian folk art and craft by Dhamija
3. Indian cultures through the ages by Vidyarthi
4. International shop design by Kasper
5. Indian architecture according to silpsastra by Acharya

INTERIOR CONSTRUCTION-II (BVID506)

OBJECTIVE:

The objective is to refurnish different types of interior.

UNIT-I: TECHNICAL TERMS - e.g. Tread, riser, flight, landing, nosing, Scotia, soffit, newel post, balusters, headroom, handrail, balustrade, etc.

Requirements of good stairs:

- Location
- Width of stair
- Length of flight
- Pitch of stair
- Headroom
- Balustrade
- Step dimensions
- Material of construction

UNIT-II:

- Calculation of step size
- Types of steps-
- Round ended
- Bull nose step
- Flier
- Splayed step
- Commode step
- Dancing step

UNIT-III: CLASSIFICATION OF STAIRCASE

- Straight
- Turning stairs- quarter turn
- Half turn (dog legged, open newel, geometrical)
- 3-quarter turn
- Bifurcated
- Continuous stair (circular, spiral, helical) in different materials like Timber, Metal, Stone, Brick, RCC, etc.

UNIT-IV:

CLADDING & CEILING MATERIALS & FINISHES & its APPLICATION

- Define Cladding
- Stone, Timber, Weather Board, Fibre Cement, Brick
- RCC, Vinyl, Metal, etc.

TYPES OF FALSE CEILING:

- Gypsum, Plaster of Paris, Wooden, Glass, Metal,
- Synthetic Leather or Cloth Ceiling.

REFERENCE BOOKS:

1. Building Construction by Sushil Kumar
2. Building Constructions by W. B. McKay, V.P. Sikka, B.C. Punmia, ARORA AND BINDRA
3. Interior Construction & Detailing – David Kent Ballast.
4. Building Construction By Sanjay Mahajan.

INTERIOR DESIGN-I (BVID507P)

OBJECTIVE:

Objective of this subject is to develop the ability to design commercial interiors of various types. The exercise base of commercial interiors in this semester must be handled keeping aesthetics in mind and special effects to justify the design.

UNIT-I:

- o Green Architecture – Construction Techniques & usages of building materials – efficient, earth friendly or recycled for the creation of eco-friendly & intelligent interiors.
- o Fire Safety – Introduction to fire safety causes of death in fire, Responsibility of Designer's towards fire safety.
- o Disaster Management - Understanding Disasters, Geological and Mountain Area Disasters, Wind and Water Related Natural Disaster, Man Made Disasters

UNIT-II: PERSPECTIVE IN ALL MEDIUMS

Eating house: Cuisine based restaurants and fine dining areas. Bed and Breakfast or Guest House Project with dining area which could be used for small events like Birthday Parties, weddings, functions (like Mehendi, Sangeet, etc.) or for exhibitions, etc.

UNIT-III: WASH ROOM –PERSPECTIVE IN ALL MEDIUMS.

- Residential area with all latest equipment's
- Commercial washroom; Either of 5 Star Hotel or a Mall.

UNIT-IV: PERSPECTIVE IN ALL MEDIUMS

- A retail outlet like Reliance Fresh, Big Apple, Save Max, Big Bazar, etc.
- Layout plan, elevation with special stacking racks, special effects of light in displays areas of goods, 3D view in color.

REFERENCE BOOKS:

1. Color dictionary by Brasi & Workman
2. Indian history by Goyal
3. Building Services, Anthony Rowley
4. Fire Fightings, S. Shah
5. Great interiors by Grant
6. Central Water Commission, 1989, Manual of Flood Forecasting, New Delhi.
7. Interior design by Ahmed A. Kasu
8. Landscape Detailing Surfaces- Michael Littlewood

ON-JOB-TRAINING (OJT)
TRAINING 400 HRS / 8 WEEKS
(BVID508P)

6TH SEMESTER

ENTREPRENEURSHIP & PROJECT MANAGEMENT

(BVID601)

OBJECTIVE:

To develop competencies in the students to setup small scale manufacturing unit related to interiors and interior accessories like furniture and interior product lineage and to encourage the concept of self-employment and to be an employer (job creator).

UNIT-I: ENTREPRENEUR

- Concept and nature, scope and philosophy of entrepreneurship
- Distinction between self-employment and entrepreneurship
- Importance of entrepreneurship and self-employment in our country
- Entrepreneurial traits
- Different forms of business organizations (sole proprietorship, partnership, co-operative Societies, public and private undertakings)

UNIT-II: ENTREPRENEURIAL SUPPORT SYSTEM

- Introduction
- Sources of information
- Market survey and opportunity identification

UNIT-III: ELEMENTS OF MANAGEMENT

- Principles of management and managerial functions like planning, organizing, staffing, directing and controlling, industrial management
- Value of human relations in management

UNIT-IV: PROJECT MANAGEMENT

- Introduction to project management
- Time of progress chart, bar chart, Gantt chart, CPM & PERT
- Planning of activities
- Allocation of time to various activities
- Personal management and industrial relations- recruitments, selection, training, wage and salary administration related to small industries
- Costing- methods and techniques of minimizing cost
- Marketing- concept and functions, marketing mix, product planning, salesmanship and its principles
- Sources of finance
- Setting up of small scale industry with proper knowledge of Government Policies for financial resources (like banks and other financial bodies).

REFERENCE BOOKS:

1. Entrepreneurship development and management by R. K. Singhal
2. Strategic Entrepreneurship by P. K. Gupta
3. Construction management and accounts by V. N. Vazirani & S. P. Chandola
4. Principles of management by Y. K. Bhushan

PRODUCT DESIGN-II

(BVID602)

OBJECTIVE:

Students to understand the, how to construct the different types of products with different types of materials like metal, wood, clay, plastic, etc.

UNIT-I: Design and make any one product in metal sheet foil or out of waste cans or bottles (glass, plastic, tin) which can be easily cut with scissors or cutters.

UNIT-II: Material- clay/ terracotta/ tiles

Design, draw and create masks, door handles, knobs of clay hand work.

Terracotta- tiles and work on them with ethnic motives create wall murals, table tops, planters, etc.

UNIT-III: Design on sheets different types of furniture items like different types of tables, chairs, beds and some small items like racks, shelves, bench, planters, etc.

UNIT-IV: One furniture (with joinery details) to be constructed in workshop, polish, painting, for the purpose of learning the finishes on furniture.

REFERENCE BOOKS:

1. Wood bonding handbook by Stevens & Turner
2. Indian decorative design by Aryan
3. Furniture in color by Synge

VISUAL MERCHANDISING-II

(BVID603)

OBJECTIVE:

Since the background of Display is there in Visual Merchandising, students are given knowledge of promoting sales of products. Students take up assignments as Display on lists or exhibition designer.

UNIT-I:

- Design a mela/carnival
- Difference between the two, importance of exhibition

Ex- project on mela (Suraj Kund or Diwali mela)

UNIT-II:

- Ex- Carnival in school or colonies
- Christmas or new year
- Design with accessories and props- the project planning and 3D views in color

UNIT-III:

- Exhibition private (of an individual)
- Group of artists to participate under one roof.
- Interior designer, furniture designer, accessories designer, light designer new material

Introduction

Ex- Planning and 3D views in color

UNIT-IV: Exhibition like trade fair, weekend one day show of different states and countries, studio project with planning and colored views as presentation.

REFERENCE BOOKS:

1. Image India by Dhamija
2. Indian folk art and craft by Dhamija
3. Indian cultures through the ages by Vidyarthi
4. International shop design by Kasper
5. Indian architecture according to silpsastra by Acharya

INTERIOR DESIGN-II

(BVID604)

OBJECTIVE:

The objective is to make the students understand and enable them to execute commercial interiors with theme of style. Perspective in all medium.

UNIT-I:

- Introduction to Climatology, Climate & Role of Interior Designer.
- Design for Hot, Dry & Humid Climate. Implementing in different Designs.
- Surveying – Definition, Objective & its types.

UNIT-II: Coffee bar with book magazines and gift stalls, a special souvenir wall of their brand Drawings required:

- Plan, elevations, light/ electric plan, special effect of walls, ceiling and exclusive furniture 3D views with vibrant color schemes.
- Coffee shop 24 hrs. at 5 star hotel with Breakfast Island, lunch buffet, at night sweet & salad bar for minimum covers of 80 100.

DRAWINGS REQUIRED:

- Plan, elevations, light/ electric plan, special effects of different display of meals (breakfast, lunch, dinner, etc.), 3Dviews in color creating an ambience to attract all age groups.

UNIT-III: Unisex beauty parlour with chai/ coffee bar area with listed eats

- The parlour must have latest equipment's

DRAWINGS REQUIRED:

- Layout plan, special light required for treatment
- 3Dviews with color and special furniture required for parlour

UNIT-IV: Apparel and accessories studio for all (kids, men and women) all age group with special brand like ZARA, BENETTON, etc. with window display in front of the shop. Special display counter for display of apparel and racks for stacking

DRAWINGS REQUIRED:

- Plan, elevation with special wall treatment, 3D views in color and highlight the display areas. In all projects drawings required would be: Plan, light/ electrical plan, elevations, 3Dviews, sketches of special related services and areas too.

REFERENCE BOOKS:

1. Color dictionary by Brasi & Workman
2. Indian history by Goyal
3. Floor design by Sareen
4. Ideal home book of kitchen
5. Great interiors by Grant
6. Encyclopedia for color theory
7. Interior design by Ahmed A. Kasu
8. Surveying Vol. I, II and III by Dr. B.C. Punamia
9. Illustrated history of Interior Decoration by Praz

INTERIOR PROJECT (MAJOR PROJECT) (BVID605)

OBJECTIVE:

- Students must be able to handle the complete project and must understand how and from where to require the required material and get the work executed as an independent Entrepreneur. Any one project to be taken up and complete with the given time.

UNIT-I: PROJECTS: Mall, Medical interior (nursing home, poly clinic, E.N.T. or dental clinic)

The student must study any one given project by visiting the existing sites; understand the working and requirement of the existing interior of the same. An independent presentation by the student in class. Then the project will be given by teacher to students

DRAWING REQUIRED:

Layout plan & electric plan, special furniture requirements creating proper ambience to make the area comply with bylaws. The standards and norms, elevations of existing areas with all types of finishes, 3D views in color and all interior Drawings to be made in AutoCAD & 3Ds MAX.

After completing the project students must submit the necessary drawings, documentation and presentation of high professional standards and the entire design process and methodology must be meticulously documented.

REFERENCE BOOKS:

1. Color dictionary by Brasi & Workman
2. Indian history by Goyal
3. Floor design by Sareen
4. Ideal home book of kitchen
5. Great interiors by Grant
6. Interior design principles by M. Pratap Rao
7. Interior design by Ahmed A. Kasu
8. Encyclopedia for color theory
9. Illustrated history of Interior Decoration by Praz.

ON-JOB-TRAINING (OJT) TRAINING 400 HRS / 8 WEEKS (BVID606)



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