

SCHEME OF EXAMINATION

And

SYLLABI For

BACHELOR OF VOCATION

In

(INTERIOR DESIGN)

1st SEMESTER to 2nd SEMESTER

**BACHELOR OF VOCATION
(INTERIOR DESIGN)
FIRST SEMESTER EXAMINATION**

Paper Code	Paper ID	Paper	L	T/P	S/D	Credits
Theory Papers						
CSJID-101		Fundamental of Computers	2	1	0	3
CSJID-102		Communication Skills	2	0	0	2
OPEN ELECTIVE - I (Select any one)						
CSJID-103		Workshop(Wood & Metal) - I	0	2	0	2
CSJID-104		Trade Enquiry(Market Survey) - I	0	2	0	2
PRACTICAL/VIVA VOCE / STUDIO						
CSJID-105		Basic Design Principles	2	0	8	6
CSJID-106		Art and Interior Graphics - I	1	0	6	4
CSJID-107		Furniture Design Workshop - I	1	0	6	4
CSJID-108		History of Interior Furniture - I	1	2	0	3
CSJID-109		Textile and Accessories	1	2	0	3
CSJID-110		Site Visits	0	0	0	3
TOTAL			10	06	20	30

Note - The above subject which will include site visits, market survey, visit to various malls, exhibitions, art galleries & museums etc. The same shall be reflected in the time table.

Training/Interior Design Project -I

The students are advised to undergo two weeks in-house training during winter break and should submit project work for evaluation during the second semester

**BACHELOR OF VOCATION
(INTERIOR DESIGN)
SECOND SEMESTER EXAMINATION**

Paper Code	Paper ID	Paper	L	T/P	S/D	Credits
THEORY PAPERS						
CSJID - 201		Environmental Science	3	0	0	3
OPEN ELECTIVE - II (Select any one)						
CSJID-202		Workshop(Wood & Metal) - II	0	2	0	2
CSJID-203		Trade Enquiry(Market Survey) - II	0	2	0	2
PRACTICAL/VIVA VOCE / STUDIO						
CSJID-204		Interior Design-I	1	0	4	3
CSJID-205		Display Design-I	1	0	4	3
CSJID-206		Art and Interior Graphics - II	1	0	4	3
CSJID-207		Furniture Design Workshop - II	1	0	4	3
CSJID-208		History of Interior Furniture - II	1	2	0	3
CSJID-209		Interior Materials and Construction Tech. - I	1	0	4	3
CSJID-210		Interior Project(Minor) - I	2	0	6	5
CSJID-211		Winter Project - I	0	0	0	2
TOTAL			11	04	26	30

Note -

The above subject which will include site visits, market survey, visit to various malls, exhibitions, art galleries & museums etc. The same shall be reflected in the time table.

Training/Interior Design Project -II

The students are advised to undergo two weeks training during summer break and should submit project work for evaluation during the third semester.

FUNDAMENTAL OF COMPUTERS

L	T/P	S/D	Credits
2	1	0	3

Paper Code: CSJID-101

Objectives & Pre-requisites:

In present scenario, the advertising agencies, publishing houses and other art studios, computer knowledge and software learning are essential requirement for the graphic designing/art work purposes

Learning Outcomes: The students should be familiarized with the use of computer in applied art.

UNIT-I

BASIC KNOWLEDGE

- Block diagram of computer and its working
- Components of computer
- About operating system
- Booting and installation
- File management
- Printing

UNIT-II

WORD PRECESSING

- Opening and saving documents
- Editing
- Character and paragraph editing

UNIT-III

BASIC POWER POINT PRESENTATION

- Opening and saving a slide
- Inserting picture and movie clip
- Publishing a presentation

UNIT-IV

INTERNET BROADCASTING

- Opening and saving a page
- Creating an account
- Elements of web page

Reference Book(s): -

[R1] Dummies Publication, Fundamentals of Computing

COMMUNICATION SKILLS

Paper Code: CSJID-102

L	T/P	S/D	Credits
2	0	0	2

Objectives and Pre-requisites:

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.

Learning Outcomes:

The students should be able to communicate effectively to his/her superiors as well as juniors at work place in his/her professional field.

UNIT-I

Recognizing and Understanding Communication Styles: What is Communication? Passive Communication, Aggressive Communication, Passive-Aggressive Communication, Assertive Communication, Verbal and Non Verbal 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.

Text Book(s):

[T1] McKay, M., Davis, M. & Fanning, P. (2008). Messages: The Communication Skills Book, New Harbinger Publications

[T2] Perkins, P.S., & Brown, L. (2008). The Art and Science of Communication: Tools for effective communication in the workplace, John Wiley and Sons

Reference Book(s):

[R1] Krizan et al (2010). Effective Business Communication, Cengage Learning. [R2] Scot, O. (2009). Contemporary Business Communication, Biztantra, New Delhi. [R3] Chaney & Martin (2009). Intercultural Business Communication, Pearson Education [R4] Penrose et al (2009). Business Communication for Managers, Cengage Learning.

(Open Elective - I)

WORKSHOP (WOOD & METAL) - I

Paper Code: CSJID-103

L	T/P	S/D	Credits
0	2	0	2

Objectives & Pre-requisites:

Objective is to have general skills and knowhow of carpentry and sheet metal works.

Outcomes: - *Students gets the knowledge how the raw materials can be finished and used for the different work in furniture etc.*

UNIT-I:

1. Introduction to carpentry tools and equipment's.
2. Demonstration of wood working machines

UNIT-II:

1. Exercises on sawing, planning, sanding, chiseling etc.
2. Practice exercise in making important joints in wood are commonly used in furniture.

UNIT-III:

1. Introduction of the tools and equipment's used for sheet metal work
2. Exercises of sheet metal work involving bending, boxing, conduit bending, soldering.

UNIT-IV:

1. Exercises on joints of sheet metal work e.g. seam, hem, grooved, lap, butt, riveting etc.
2. One simple utility article from GI sheet

Text Book(s):

[T1] Workshop Practice by Swaran Singh

[T2] Workshop Technology by Gupta

[T3] Workshop Technology by Hazra & Chawdhry

(Open Elective - I)

TRADE ENQUIRY (MARKET SURVEY) – I

Paper Code: CSJID-104

L	T/P	S/D	Credits
0	2	0	2

Objectives & Pre-requisites:

To familiarize the students about the various materials and new materials available in the market so that they are able to give the material specifications.

Outcomes: *Students gets the knowledge how the raw materials can be finished, joints and used for the different work in furniture etc.*

UNIT-I:

BASIC BUILDING MATERIALS:

- Collections of basic building materials samples such as Bricks, Cement, Aggregates etc.
- Wall finishes -
- Collection of Brochures of various company in the market, rates and other relevant information's such as application advantages and disadvantages of Distemper, Paints, Wall papers etc.

UNIT-II:

WOOD & WOOD BASED PRODUCTS:

- Types of woods in markets, Rates, Company
- Laminates, Veneer, Plywood, Block board etc.

UNIT - III:

UPHOLSTERY MATERIAL AND TAPESTRY:

- Types of fabric used for different types of furniture, and window treatment.
- Rates, Collection of Samples.

NOTE: Students have to prepare a project file along with the samples, rates other information.

BASIC DESIGN PRINCIPLES

Paper Code: CSJID-105

L	T/P	S/D	Credits
2	0	8	6

Objective & Pre-requisite: -

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

NOTE:

1. There will be written and drawing examination on the above: Internal assessment will be based upon the drawings, drawings charts and written assignments.
2. Drawings Charts should be prepared on each topic mentioned above

Text Book(s):

[T1] Interior Design-Ahmed Kasu

[T2] Interior Design Principal and Practice-M. Prataprao

Reference Book(s):

[R1] Basic Design of Anthropometry - Shirish Bapat

[R2] Living Area (Interior Space)

[R3] Time Saver Standard for Interior Design and Space Planning - Mcgraw Hill

New York [R4] Interior Design and Decoration, Sherrill Winton, Prentice Hall

ART AND INTERIOR GRAPHICS - I

Paper Code: CSJID-106

L	T/P	S/D	Credits
1	0	6	4

Objective & Pre-requisite

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.

UNIT-IV:

Measured Lettering

Presentation techniques and standards adopted, pen, pencils and brush.

Understanding of Architectural graphic symbol

Drawing of simple layout for single room - with furniture, accessories dimensions.

NOTE:

1. There will be written and drawing examination on the above: Internal assessment will be based upon the drawings, drawings charts and written assignments.
2. Drawings Charts should be prepared on each topic mentioned above

Text Book(s):

[T1] Drawing - A creative Process, Francis D.K. Ching, John Wiley Sons, New York

[T2] Geometrical drawing for art students, 2nd revised edition- I.H.Morris, Orient Longman,

Reference Book(s):

[R1] Architectural Drafting and Design, 4th Edition- Ernest R.Weidhaas, Allyn and Bacon,

Boston, 1981. [R2] Building drawing, 3rd Edition- MG Shah, CM Kale, Tata Mcgraw - Hill Publishing, New Delhi.

FURNITURE DESIGN WORKSHOP – I

Paper Code: CSJID-107

L	T/P	S/D	Credits
1	0	6	4

Objective & Pre-requisite:

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.

NOTE:

1. Furniture to be designed freehand sketch files to be made topic wise.
2. Visit to various furniture workshop exhibitions and showrooms for demonstrations and information from time to time

Text Book(s):

[T1] The Encyclopedia of Furniture, Joseph Aronson, Crown Publishers, New York
[T2] Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York

Reference Book(s):

[R1] Interior Design, Francis D.K. Ching, John Wiley & Sons, New York [R2] Office Furniture, Susan S. Szenasy, Facts on file Inc, New York

HISTORY OF INTERIOR FURNITURE - I

Paper Code: CSJID-108

L	T/P	S/D	Credits
1	2	0	3

Objectives & Pre-requisites:

To familiarize the students with the historical interior and furniture in contemporary. Objective of his 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**".

NOTE:

1. Preparation of reports and assignments.
2. Visits to Museums, Stores, State Emporium, Manufacturing Workshops, Exhibitions, Trade Fairs, Melas etc.

Text Book(s):

[T1] History of Fine Arts in India and West by Edith Tomary

[T2] History of World Architecture by Sir Banister Flecher

Reference Book(s):

[R1] Indian Architecture by Satish Kumar [R2]

Intrior Deign by Ahemad Kasu

Textile and Accessories

TEXTILE AND ACCESSEORIES

Paper Code: CSJID-109

L	T/P	S/D	Credits
1	2	0	3

Objectives & Pre-requisites:

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 fibers and Man - made fiber
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

NOTE:

1. Visiting Furnishing & Fitting showrooms for collecting samples or make sketch of the same and prepare a file.
2. Taking one Interior space showing use of different types of Floor, wall finishes, Window Treatment using the above study material.

Text Book(s):

[T1] Interior Design Illustrated, Francis D.K. Ching

[T2] House Book (The complete guide to Home Design) by Terence Conron.

Reference Book(s):

[R1] Window Fashion, Charles TIRANDALL

[R2] A.J. Metric Handbook: Editors Jan, Bilwas & Leslie fair weather.

ENVIRONMENTAL SCIENCE

Paper Code: CSJID-201

L	T/P	S/D	Credits
3	0	0	3

Objective: The objective of this course is to make students environment conscious. They will be exposed through the fundamental concepts of environment and ecosystem so that they can appreciate the importance of individual and collective efforts to preserve and protect our environment. This course must raise various questions in student's mind that how our environment is inter dependent on various factors and how human being must care for their natural surroundings.

UNIT-I

Environmental Studies: Ecosystems, Bio-diversity and its Conservation

(i) The Multidisciplinary Nature of Environmental Studies

Definition, scope and importance of Environmental Studies, Biotic and a biotic component of environment, need for environmental awareness.

(ii) Ecosystems

Concept of an ecosystem, structure and function of an ecosystem, producers, consumers and decomposers, energy flow in the ecosystem, ecological succession, food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structures and function of the following ecosystem:

- (a) Forest ecosystem
- (b) Grassland ecosystem
- (c) Desert ecosystem
- (d) Aquatic ecosystem (ponds, streams, lakes, rivers, oceans, estuaries).

(iii) Bio-diversity and its Conservation

Introduction to biodiversity - definition: genetic, species and ecosystem diversity, Bio-geographical classification of India, Value of biodiversity: Consumptive use, productive use, social, ethical, aesthetic and option values, Biodiversity at global, national and local levels, India as a mega-diversity nation, Hot-spots of biodiversity, Threats to biodiversity: Habitat loss, Poaching of wildlife, man-wildlife conflicts, rare endangered and threatened species(RET) endemic species of India, method of biodiversity conservation: *In-situ* and *ex-situ* conservation.

UNIT-II

Natural Resources: problems and prospects

Renewable and Non-renewable Natural Resources; Concept and definition of Natural Resources and need for their management

Forest resources: Use and over-exploitation, deforestation, case studies, timber extraction, mining, dams and their effects on forests and tribal people.

Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. Water conservation, rain water harvesting, watershed management.

Mineral resources: Uses are exploitation, environmental effects of extracting and using mineral resources, case studies.

Food resources: World food problems, changes cause by agriculture and over-grazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.

Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources. Urban problems related to energy, case studies.

Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.

UNIT-III

Environmental Chemistry and Pollution Control

(i) Chemistry of Environment

(a) Green Technology: Principles of Green technology, Zero Waste Technology, Green Chemistry & Its basic principles, Atom Economy, Green Methodologies, clean development mechanisms (CDM), concept of environmental impact assessment,

(b) Eco-Friendly polymers: Environmental degradation of polymers, Biodegradable, Photo-biodegradable polymers, Hydrolysis & Hydrobiodegradable, Biopolymers & Bioplastics: polylactic acid, polyhydroxybutyrate, polycaprolactone,. Concept of bioremediation.

(ii) Environmental Pollution

Definition, types, causes, effects and control measures of (a) Air pollution, (b) Water pollution, (c) Soil pollution, (d) Marine pollution, (e) Noise pollution, (f) Thermal pollution, (g) Nuclear hazards. Pollution case studies. Solid waste and its management: causes, effects and control measures of urban and industrial waste.

Chemical toxicology - Terms related to toxicity, impact of chemicals (Hg, As, Cd, Cr, Pb) on environment.

UNIT-IV

Disaster Management, Social Issues, Human Population and the Environment

(i) Disaster Management

Disaster management: floods, earthquake, cyclone and land-slides, nuclear accidents and holocaust, *case studies*.

(ii) Social Issues, Human Population and the Environment

Sustainable development, Climate change, global warming, acid rain, ozone layer depletion, Environmental ethics: Issues and possible solutions, Consumerism and waste products, Wasteland reclamation. Population growth, problems of urbanisation, Environment Protection Act, 1986; Air (Prevention and Control of Pollution) Act, 1981; Water (Prevention and Control of Pollution) Act, 1974; Wildlife Protection Act, 1972; Forest Conservation Act, 1980; Environmental management, system standards-ISO 14000 series.

Text Book(s):

[T1] E. Barucha, Textbook of Environmental Studies for Undergraduate Courses, Universities Press (India) Pvt. Ltd., 2005.

[T2] S. Chawla, A Textbook of Environmental Studies, McGraw Hill Education Private Limited, 2012

References Books:

[R1] G. T. Miller, Environmental Science, Thomas Learning, 2012

- [R2] W. Cunningham and M. A. Cunningham, Principles of Environment Science: Enquiry and Applications, Tata McGraw Hill Publication, N. Delhi, 2003. [R3] R. Rajagopalan, Environmental Studies: From Crisis to Cure, 2nd Edition, Oxford University Press, 2011.
- [R4] A.K. De, Environmental Chemistry, New Age Int. Publ. 2012,
- [R5] A. Kaushik and C.P. Kaushik, Perspectives in Environment Studies, 4th Edition, New Age International Publishers, 2013
- [R6] Environmental Engineering by Gerard Kiely, Tata McGraw-Hill Publishing Company Ltd. New Delhi, 2010.

(Open Elective - II)

WORKSHOP (WOOD & METAL) - II

Paper Code: CSJID-202

L	T/P	S/D	Credits
0	2	0	2

Objectives & Pre-requisites: Objective is to have general skills and knowhow of painting, polishing and metal works.

Outcomes: Students gets the knowledge how the raw materials can be finished, joints and used for the different work in furniture etc.

UNIT-I:

Painting and Polishing Workshop

1. Introduction to painting materials for wood and metals
2. Exercises on the following:
 - Painting on metal and wood
 - Polishing on wall surfaces
 - Polishing of all mediums on woods

UNIT-II:

1. Preparation of various surfaces of furniture's for lacquer, matt, and melamine finish.
2. Polishing of glass and finishing treatment of plastered surfaces.

UNIT-III:

Metal Workshop

1. Introduction of the tools and equipment's used in fitting and welding shop
2. Simple exercises on filing, drilling and tapping

UNIT-IV:

1. Exercises of joining with the help of electric and welding and gas welding for making simple joints in metal industry.
2. Simple exercises on glass fixing.

Text Book(s):

[T1] Workshop Practice by Swaran Singh

[T2] Workshop Technology by Gupta

[T3] Workshop Technology by Hazra & Chawdhry

(Open Elective - II)

TRADE ENQUIRY (MARKET SURVEY) - II

Paper Code: CSJID-203

L	T/P	S/D	Credits
0	2	0	2

Objectives & Pre-requisites: *To familiarize the students about the various materials and new materials available in the market so that they are able to give the material specifications.*

Outcomes: *Students gets the knowledge how the raw materials can be finished, joints and used for the different work in furniture etc.*

UNIT-I: Floor Finishes

- Types of Floor- Hard floor, Soft Floor finishing materials, rates.

UNIT-II:

Wood & Wood based Products:

- Types of woods in markets, Rates & collection of samples
- Laminates, Veneer, Plywood, Board etc.

UNIT - III:

Upholstery Material and Tapestry:

- Types of fabric used for different types of furniture, and window treatment.
- Rates, Collection of Samples.

UNIT - IV:

Electrical Fitting and Fixtures:

- Collection of samples for lights fittings, Fans, Air Conditioning, switch boards.
- Rates and the company dealing.

Note: - Student have to prepare a project file along with the samples, rates other information's.

INTERIOR DESIGN - I

Paper Code: CSJID-204

L	T/P	S/D	Credits
1	0	4	3

Objectives & Pre-requisites:

To introduce the basic Designing for Residential Interiors and to develop Skills required for the same. To teach proper utilization of space by understanding the client's requirements with the help of principles and Elements of Design the students are required to prepare layout plans of single room suggesting colour scheme Material specifications with plan, elevations of perspective in colour.

UNIT-I:

Planning the flow of space, negative & positive space, space requirement, usage with furniture and functional Spaces. Space distribution and factors influencing it.

Drawing required, plan and elevation of single rooms, Simple Layout plans of different rooms for different Functions. Placement of Furniture, making furniture layout, plans and elevations of rooms of different functions.

UNIT-II

Bedrooms & Living Rooms: Concepts in bedroom & Living room interiors- various layout of these spaces - the use of furniture and accessories to create a good ambience - materials & finishes - lighting, colour & Texture.

Toilets: Anthropometry - various types of sanitary ware and their use - types of layouts - concepts in modern day toilet interiors - with materials & finishes -lighting, Colour, Texture & pattern.

UNIT-III

Kitchens: Work triangle, planning for activity - types of kitchen - Modular Kitchens. Materials Used for counters, shelves, worktops, washing areas.

Lighting & Colour Scheme - natural & artificial light.

UNIT-IV

Perspective in Blank & White, Colour with simple rendering visit for case study of existing interiors, Record file of these to be prepared in freehand drawing.

Note:

1. There will be written and drawing examination on the above: Internal assessment will be based upon the drawings, drawings charts and written assignments.
2. Drawings Charts should be prepared on each topic mentioned above

Text Book(s):

[T1] Interior Design - Ahmed Kasu

[T2] Interior Design Principal and Practice- M. Prataprao

Reference Book(s):

[R1] Time Saver Standard for Interior Design and Space Planning - Mcgraw Hill New York

[R2] Interior Design and Decoration, Sherrill Winton, Prentice Hall [R3] Designs for 20th century Interiors - Fiona Leolie, VH Publication, London 2000 [R4] Interior Design: The New Freedom, Barbaralec Diamonstein, Rizzoli International Publications, New York, 1982.

[R5] Interior Color by Design, Jonathan Poore, Rockport Publishers, 1994

[R6] Worldwide Interiors - International Federation of Interior Architects & Designers, Rikuyo - Sha, Japan, 1987.

DISPLAY DESIGN - I

Paper Code: CSJID-205

L	T/P	S/D	Credits
1	0	4	3

Objectives & Pre-requisites:

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. **UNIT-II**

Conceptualization: Thematic Message, Seasonal Festival, State & Country oriented Display. **UNIT-III**

Display Props and Display Media:

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

UNIT-IV

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.

Note: Lectures, Demonstrations & visits to various shopping Area, Departmental Stores, Malls, Exhibitions etc.

Presentation: Sketch Files, Drawings with Colours to give clear concept of Theme of Different types of Display.

Text Book(s):

[T1] Designs for 20th century Interiors - Fiona Leolie, VH Publications, London.

[T2] Worldwide Interiors - International Federation of Interior Architects & Designers, Rikuyo-Sha, Japan, 1987

Reference Book(s):

[R1] Interior Design: the new Freedom, Barvaralec Diamonstein, Rizzoli International Publications, New York, 1982

[R2] Interior Colour by Design, Jonathan Poore, Rockport Publishers, 1992.

ART AND INTERIOR GRAPHICS - II

Paper Code: CSJID-206

L	T/P	S/D	Credits
1	0	4	3

Objectives & Pre-requisites:

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, birds 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 letter set and stencils.

Note:

1. There will be written and drawing examination on the above: Internal assessment will be based upon the drawings, drawings charts and written assignments.
2. Drawings Charts should be prepared on each topic mentioned above

Text Book(s):

[T1] Perspective & Sciography by Shankar Mulik, Allied Publishers.

[T2] Engineering Drawing, M.S. Kumar, D.D. Publications, Chennai

Reference Book(s):

[R1] Geometrical drawing for Art Students, I.H. Morris, Orient Longman, Chennai [R2] Perspective Principles, M.G. Shah & K.M. Kale, Asia Publications, Mumbai.

FURNITURE DESIGN WORKSHOP – II

Paper Code: CSJID-207

L	T/P	S/D	Credits
1	0	4	3

Objectives & Pre-requisites:

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, aluminum, 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.

NOTE:

1. Free hand sketches of furniture
2. Report to be made of above items based on market study and factory visits for the same to understand the actual process.

Text Book(s):

[T1] Butter Harry, "Do It Yourself Furniture".

[T2] Marlo Dal Febro, "How to Build Modern Furniture".

Reference Book(s):

[R1] Joseph Aronson, "The Encyclopedia of Furniture", Crown Publishers, New York

[R2] Joseph De Chiara, "Time Saver Standards for Interior Design", McGraw Hill, New York

HISTORY OF INTERIOR FURNITURE - II

Paper Code: CSJID-208

L	T/P	S/D	Credits
1	2	0	3

Objectives & Pre-requisites:

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 ornamentations- 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
6. 19th and 20th Century - French, English and American Styles.

UNIT-III:

1. English, 15-18 Century (from Tudor to Victorian) style of furniture & decoration.
2. American Colonial period furniture and Ornamentation
3. 19th and 20th Century - French, English and American Styles.

UNIT-IV:

ORIENTAL

Difference in basic shapes, form & motifs of East and West.

Wood & other materials used, familiarity with methods of GUILDING, EMBOSSING, MOULDING, STENCILING

Demonstration of marquetry, Brass, Ivory, Mother of Pearl, Inlay, Wood etc.

NOTE:

1. Study of market trends and styles and visits to Furniture factory & showroom.
2. Project on Design & Detailing of Single residential or Commercial Furniture wood, cane and metal.

Text Book(s):

[T1] English Furniture Style (1500 - 18) by Ralph E

[T2] Interior Design, Francis D. K. Ching, John Wiley & Sons, New York

Reference Book(s):

[R1] The Encyclopedia of Furniture, Joseph Aronson, Crown Publishers, New York

[R2] Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York

INTERIOR MATERIAL CONSTRUCTION TECHNIQUES - I

Paper Code: CSJID-209

L	T/P	S/D	Credits
1	0	4	3

Objectives & Pre-requisites:

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 Masonary: Types of Bonds
3. Different types of Stone Masonary

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.

NOTE:

1. There will be written and drawing examination for Unit I & Unit II, and Unit III & IV will be theory based: Internal assessment will be based upon the drawings, drawings sheets and written assignments.
2. Drawings sheets should be prepared on each topic mentioned above

Text Book(s):

[T1] Sushil Kumar, "Building Construction"

[T2] S.C.Rangwala, "Engineering Materials", Charotar Publishing, Anand

Reference Book(s):

[R1] W.B. Meckay, "Building Construction", Vol. 1, 2, 3, 4

[R2] Francis D. K. Ching, "Building Construction Illustrated", VNR, 1975.