GURU KASHI UNIVERSITY

B.Voc. in Interior Designing

Session: 2025-26

Department of Fashion Designing

GRADUATE OUTCOMES OF THE PROGRAMME:

The programme imparts to the students an intensive knowledge of the world of fashion, distinct aspects of creativity, sustainability, development of trends, style sensitivity. These prepare the scholars for a profession with inside the style industry. The course imparts into the scholars' entrepreneurship spirit by incorporating areas of study like factors of manufacture, textiles, and fabrics, economic relevance.

PROGRAMME LEARNING OUTCOMES: After completion of the programme, the learner will be able to

1. Demonstrate proficiency in creative fashion design, including the ability to conceptualize and develop original fashion collections, incorporating innovative and trendsetting elements.
2. Possess strong technical skills in various aspects of fashion design, such as patternmaking, garment construction, draping, and sewing, enabling them to bring their design concepts to life with precision and craftsmanship.
3. Conduct thorough fashion research, including trend analysis, market research, and historical exploration, to inform and inspire their design work.
4. Develop an understanding of ethical and sustainable principles in fashion design considering environmental, social, economic, and political impacts of climate change.
5. Apply strong visual communication skills, including fashion illustration, technical drawing, and digital design, allowing them to effectively convey their design concepts and ideas to various stakeholders.
6. Prepared for careers in the fashion industry, possessing the skills necessary to navigate the complexities of the field, including ethical considerations, entrepreneurship, collaboration, and market awareness.

Programme Structure										
B.Voc. in Interior Designing										
Semester: I										
Sr. No.	**Course Code**	**Course Name**	**Type of Course**	**L**	**T**	**P**	**Credits**	**Int.**	**Ext.**	**Total Marks**
1	BVI101	Design Basics	Core Course	4	0	0	4	30	70	100
2	BVI102	Applied Arts On Textiles-I	Core Course	4	0	0	4	30	70	100
3	BVI103	Colour and Lighting	Core Course	4	0	0	4	30	70	100
4	BVI104	Design Concept	Skill Based	0	0	6	3	30	70	100
5	BVI108	Entrepreneurship Setup & Launch	Skill Based	0	0	4	2	30	70	100
Disciplinary Elective-I (Any one of the following)										
6	BVI106	Interior & Construction Technology -I (Practical)	Disciplinary Elective-I	0	0	6	3	30	70	100
	BVI107	Freehand & measured drawing (practical)								
Total				**12**	**0**	**16**	**20**	**180**	**420**	**600**

Semester: II										
Sr. No.	**Course Code**	**Course Name**	**Type of course**	**L**	**T**	**P**	**Credits**	**Int.**	**Ext.**	**Total Marks**
1	BVI201	Basics of Interior Design	Core course	4	0	0	4	30	70	100
2	BVI202	Principles of Architecture	Core course	4	0	0	4	30	70	100
3	BVI203	Fundamentals of Structures	Core course	4	0	0	4	30	70	100
4	BVI204	Applied Arts on Textiles-II	Skill Based	0	0	4	2	30	70	100
5	BVI205	Design Fundamentals - lab	Skill Based	0	0	4	2	30	70	100
Disciplinary Elective-II (Any one of the following)										
6	BVI206	Design Studio-I	Disciplinary Elective-II	0	0	4	2	30	70	100
	BVI207	Working drawings and presentation techniques								
Disciplinary Elective-III (Any one of the following)										
7	BVI208	Residential space planning-I lab	Disciplinary Elective-III	0	0	4	2	30	70	100
	BVI209	Designing according to the user's life style and requirements (practical)								
Total				**12**	**0**	**16**	**20**	**210**	**490**	**700**

Semester: III										
Sr. No.	**Course Code**	**Course Name**	**Type of course**	**L**	**T**	**P**	**Credits**	**Int.**	**Ext.**	**Total Marks**
1	BVI301	Colour in Interior Design	Core course	4	0	0	4	30	70	100
2	BVI302	Lighting in Interior Design	Core course	4	0	0	4	30	70	100
3	BVI303	Residential Space Planning-II Lab	Skill Based	0	0	4	2	30	70	100
4	BVI304	Furniture designing & furnishings	Skill Based	0	0	4	2	30	70	100
5	BVI305	Computer-Aided Design	Elective Foundation	4	0	0	4	30	70	100
6	BVI308	Building Material	Skill Based	0	0	4	2	30	70	100
Disciplinary Elective-IV (Any one of the following)										
7	BVI306	Design Studio-II	Disciplinary Elective- IV	0	0	4	2	30	70	100
	BVI307	Interior Construction Technology-II								
Total				**12**	**0**	**16**	**20**	**210**	**490**	**700**

Semester: IV										
Sr. No.	**Course Code**	**Course Name**	**Type of course**	**L**	**T**	**P**	**Credits**	**Int.**	**Ext.**	**Total Marks**
1	BVI401	Commercial Space Design-I	Core course	4	0	0	4	30	70	100
2	BVI402	Planning The Life Space	Core course	4	0	0	4	30	70	100
3	BVI403	Commercial Space Design-I Lab	Skill Based	0	0	4	2	30	70	100
4	BVI404	Compute In Design, Photoshop, Corel Draw	Skill Based	0	0	4	2	30	70	100
5	BVI405	Environment Studies	Compulsory Foundation	2	0	0	2	30	70	100
Disciplinary Elective-V (Any one of the following)										
6	BVI407	Introduction to Business Management	Disciplinary Elective-V	3	0	0	3	30	70	100
	BVI408	Interior Design For Special Needs								
Disciplinary Elective-VI (Any one of the following)										
7	BVI409	Furniture in interiors	Disciplinary Elective-VI	3	0	0	3	30	70	100
	BVI410	Green Building Technology								
Total				**16**	**0**	**8**	**20**	**210**	**490**	**700**

Semester: V										
Sr. No.	**Course Code**	**Course Name**	**Type of course**	**L**	**T**	**P**	**Credits**	**Int.**	**Ext.**	**Total Marks**
1	BVI501	Landscaping & Gardening	Core course	4	0	0	4	30	70	100
2	BVI502	Entrepreneurship Management	Core course	4	0	0	4	30	70	100
3	BVI503	Commercial Space Design-II Lab	Skill Based	0	0	4	2	30	70	100
4	BVI504	Draftsmanship	Skill Based	3	0	0	3	30	70	100
5	BVI505	Computer-3D Max	AEC	0	0	6	3	30	70	100
Disciplinary Elective-VII (Any one of the following)										
6	BVI506	Entrepreneurial Development	Disciplinary Elective-VII	0	0	4	2	30	70	100
	BVI507	Professional Practice								
Disciplinary Elective-VIII (Any one of the following)										
7	BVI508	Consumer and Merchandising	Disciplinary Elective-VIII	0	0	4	2	30	70	100
	BVI509	House Keeping And Front Office Management								
Total				**8**	**0**	**21**	**20**	**210**	**490**	**700**

Semester: VI										
Sr. No.	**Course Code**	**Course Name**	**Type of Course**	**L**	**T**	**P**	**Credits**	**Int.**	**Ext.**	**Total Marks**
1	BVI601	Internship	Skill Based	0	0	0	20	30	70	100
Total				**0**	**0**	**0**	**20**	**30**	**70**	**100**
Grand Total				**60**	**0**	**77**	**120**	**1050**	**2450**	**4200**

Evaluation Criteria for Theory Courses

A. Continuous Assessment: [25 Marks]

CA1: Surprise Test (Two best out of three) - (10 Marks)

CA2: Assignment(s) (10 Marks)

CA3: Term paper/Quiz/Presentations (05 Marks)

B. Attendance: [5 Marks]

C. Mid Semester Test-1: [30 Marks]

D. End-Term Exam: [40 Marks]

SEMESTER-I

Course Title: Design Basics	L	T	P	Cr.
Course Code: BVI101	4	0	0	4

Total Hours: 60

Learning Outcomes:

1. To enable the students to understand the elements and principles of Design.
2. Learn the importance of art elements in the creation of new design.
3. Learn the application of principles of design in creating beautiful interiors.

Course Content

UNIT-I **16 hours**

Interior Design – Meaning and concepts. Development - a historic review. Place of Interior design in the modern era- changing trends and salient features. Objectives of
Aesthetic planning - Beauty, expressiveness, functionalism and economy. Good taste –
Meaning, role and importance. Need for developing skill in aesthetics.

UNIT-II **13 hours**

Design –Definition, meaning, purpose. Types - Structural and decorative design and Characteristics. Classification of decorative design - Naturalistic, conventional, Geometric, abstract, historic and biomorphic.

UNIT-III **17 hours**

Elements of design - Line and direction, form and shape, size, colour, light, pattern, texture and space. Application of elements to form designs in interior and exterior.

UNIT-IV **14 hours**

Principles of design –Balance, rhythm, emphasis, harmony, proportion – meaning, and its application in the interior and exterior houses and other commercial buildings.
Motif- meaning. Development of design from motifs and application of motifs in interior decoration.
Man as a consumer of design, qualities and role of a good interior designer. Career options for interior designers.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Reading:

- Faulkner, S. and Faulkner,R,(1987), Inside Today's Home, Rinehart Publishing company, New york.
- Caroline cliften et. al., The Complete Home Decorator, Portland House New York.
- Seetharaman, P and Pannu, P. Interior Design and Decoration, CBS Publishers and Distributors, New Delhi
- Pratap R.M (1988), Interior Design Principles and Practice, Standard Publishers Distribution, Delhi.
- Goldstein, Art in Everyday life, Oxford and IBH Publishing House.

Course Title: APPLIED ARTS ON TEXTILES-I	**L**	**T**	**P**	**Cr.**
Course Code: BVI102	**4**	**0**	**0**	**4**

Total Hours: 60

Learning Outcomes:

1. Understand art and apply its principles in the creation and selection of Textiles.
2. Develop design in textiles and apply the same on materials.
3. Discuss global and cultural issues affecting the textile/surface design Industry.

4. Describe the development of textile arts and crafts.

Course Content

UNIT I **16 hours**

Fundamentals of textiles – fiber – meaning and classification. Yarn – meaning, Classification and construction.

UNIT-II

Fabric construction – Weaving - Parts of a loom. Basic weaving operation – Weaving process, Types of weave – Basic weave – plain – basket and ribbed, Twill - herringbone and satin - sateen. Fancy weave – Jacquard, Dobby and Leno.

UNIT-III

Dyeing and printing – dyeing – fiber, yarn and fabric. Printing – hand and Machine.

Finishes – basic – mercerizing, sanforizing, calendaring and sizing. Special finishes – water repellent, fire proof, moth proof and stain proof.

UNIT-IV

Application of art principles and elements of design in the selection of fabric. Application of colour harmonies and colour systems in different fabrics.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Reading:

- Chambers B.G. “Colour and Design, Fashion in Men’s and Women‘s Clothing and Furnishings”.Prentice Hall, Inc, New york ,1951.
- Gisela Heix, Fabric Painting, B.T.Batsford Ltd.,London ,1972.
- Shailaja D.Naik, Folk Embroidery and Handloom weaving, A.P.H.Publishing Corporation, Newyork, 1997.
- Mehta R.S., Masterpieces of Indian Textiles, D.B.Taraporewala Sons and Co.Pvt.Ltd. Bombay, 1970.

Course Title: Colour and Lighting	L	T	P	Cr.
Course Code: BVI103	4	0	0	4

Total Hours: 60

Learning Outcomes:

1. Learn the concepts of colour and lighting.
2. Learn skills in using colour and light in functional context.
3. Impart knowledge in recent trends in colour and lighting.
4. Learn that light is a form of energy.

Course Content

UNIT I **16 hours**

Concept of colour - significance of colour in the interiors and exteriors Dimensions of colour –Hue, value, intensity, Effects of Hue, Value and Intensity. Colour Therapy.

UNIT II **14 hours**

Colour systems - Prang, Munsell and Ostwald. Planning colour harmonies related and contrasting. Non-mechanical – readymade and nature based. Factors Considered in selecting colour harmonies.

UNIT-III **16 hours**

Application of colour harmonies in the interiors and exteriors, Effect of light on colour, Illusion of colour, psychology of colour, effect of colour on each other. Lighting accessories – Selection of lamps and lighting fixtures, lighting for Various areas and specific activities, modern features in lighting design. Principles of lighting.

UNIT-IV **14 hours**

Importance of lighting, Sources – Natural and Artificial lighting, Types – based On material, reflection, architectural elements and uses. Specific factors in lighting –measurements of lighting, location and direction, size and shape, and colour. Economy in lighting, Psychological aspects of light, Glare - its types, causes and prevention.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Faulkner, R. and Faulkner,S.(1987), Inside Today‘s Home, Rine Hart Publishing Company, Newyork.
- Judy,M.,(1994), How to See, How to Paint it, Harpen Colling Publishers, London.
- Jan Orcharchd (1993), Lighting for a Beautiful Home, Dunestyle Publishing Ltd., U.S.A

Course Title: Design Concept	L	T	P	Cr.
Course Code: BVI104	0	0	6	3

Total Hours: 45

Learning Outcomes:

1. Draw different types of design, develop design by using motifs.
2. Acquire skill in arranging different areas of a house by using principles of Design.
3. Creative thinking: Investigating and thinking creatively about design Problems and opportunities.
4. Developing visual literacy and articulacy to explain design decisions.

Course Content **45 hours**

- Draw structural and decorative design and comment on its features.
- Apply design concepts in developing greeting card, saree border, floor Decorations – flower carpet and Rangoli.
- Evaluate the given art objects.
- Develop a motif suitable for foot mat, window grill, table mat and furnishing materials.
- Apply principles of design in display of handicrafts and textiles.
- Apply the art principles in arrangement of: Living room, drawing room, Pooja room, bedroom, adolescent boys or girl's room, children's room and birthday party.
- Submission of Record.

Transaction Mode

- Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Course Title: Entrepreneurship Setup & Launch	L	T	P	Cr.
Course Code: BVI108	0	0	04	02

Introduction:

This semester lays the foundation for the learner to understand what entrepreneurship is, beyond just starting a business. It introduces key ideas like problem-solving, value creation, and self-awareness. The learner will begin exploring basic business concepts while discovering their own interests and strengths.

Learners Objective:

1. Understand the core concepts of entrepreneurship through relatable, real-life examples.
2. Begin to see themselves as problem-solvers and creators.
3. Learn about business paths and choose one to try based on interest or local fit.
4. Launch a micro-hustle (online or offline) to earn their first income.
5. Build confidence and self-belief by doing.

Outcome: By the end of this semester, learners will start a simple business activity, earn their first income, and build belief in their ability to do business.

Guiding Principles/Approach:

This syllabus is built on principles of **experiential learning, growth mindset development**, and **identity-first learning**. Drawing from learning science and behavior design, the course shifts students from passive learning to *active doing*, where they try out small business activities in real contexts. The design helps students not just learn entrepreneurship, but begin to see themselves as entrepreneurs. Emphasis is placed on *small wins, peer collaboration, and locally relevant opportunities* to ensure learning feels achievable and connected to their realities. The curriculum focuses on conceptual understanding without heavy theory, combining *practical action, reflection, and*

collaboration. By making progress visible and success feel possible, it plants the seeds of self-reliance, initiative, and long-term motivation.

Semester Syllabus:

Format: 12 weeks, 4 hours/week | 2 credits
Revenue Target: ₹10,000

Week	Learning Goal	Measurable Outcome
1	Understand what entrepreneurship is and who can be an entrepreneur	Students define entrepreneurship in their own words and list 2 entrepreneurs from their local area or community
2	Connect personal identity to entrepreneurship (strengths, interests, struggles)	Students create a "value map" showing how a skill/interest/problem from their life could become a business opportunity
3	Learn about 5 business paths: content creation, dropshipping, cloud kitchen/food business, gig economy and local services	Students explore 1–2 examples from each domain and share one they're most curious to try and why
4	Choose a path and generate a basic business idea	Students write down a clear offer (what, for whom, why) and one way to reach their customer
5	Take first real action: message, post, pitch, or sell	Students reach out to or serve 1 real potential customer and record what happened

6	Reflect on first attempt and share with peers	Students share their result, a challenge faced, and one idea to improve next time
7	Improve and try again: aim for first ₹100	Students apply a change, try again, and aim to make their first ₹100 or get meaningful response
8	Learn how to identify and understand your target customer	Students talk to 2 potential customers or observe them and list 3 insights about their needs
9	Learn how to serve your target audience better	Students improve one part of their offer (product, delivery, messaging, or interaction) based on customer feedback or need
10	Explore core entrepreneurial values (resilience, honesty, effort)	Students reflect on 1 value they're building and show it in a business task or peer story
11	Focus on earning and staying consistent	Students complete a second earning task and track their consistency (e.g., same product or message for 3 days)
12	Reflect on earnings, grit, and how to keep going	Students record total earnings, one resilience moment, and one support system or habit they'll continue with

Weekly Component:

Component	Duration	Description
Learning Module	~1.5 hrs	- Introduces key concepts in a simple and engaging way - Includes, examples, and 1–2 interactive discussions or quizzes

Action Lab	~2 hrs	- Hands-on task on the weekly concept - Includes step-by-step guidance, templates, and worksheets - Ends with a submission (e.g., video, reflection, or proof of action)
Resources	Self-paced	- Supplementary videos, short readings, real-life stories, and tools to deepen understanding at their own pace

Evaluation Criteria

Evaluation Component	Description	Weightage
Weekly Task Completion	Timely submission of weekly tasks including reflections, activities, quizzes etc.	40%
Target Completion	Performance-based evaluation on hitting **revenue or profit targets** (e.g., generating ₹10,000 revenue)	30%
Final Project	A comprehensive project based on the semester's theme	30%

Course Title: Interior & Construction Technology-I (Practical)	L	T	P	Cr.
Course Code: BVI106	0	0	6	3

Total Hours: 45

Learning Outcomes:

1. To practically understand the function of important building materials
2. Their quality perception and their various application and use at work sites
3. Demonstrate an ability to thrive in a rigorous intellectual climate, which Promotes inquiry through design research.
4. Ability to successfully complete an option-based directed design Research sequence, pursuing the individualized exploration of advanced And emerging topics.

Course Content: **45 hours**

Materials- Characteristics, Behaviour, Ability-Use

Bricks/ Terracotta

Lime

Cement

Stone

Wood

Steel

Glass

Aluminium

Metals

Plastics

Membrane and Paints

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

- **Suggested Readings:**
- You Tube videos on construction operation using various building materials
- Latest construction technologies such as precast modular building and
- home construction
- Mehra. P, Interior Construction Technology I, Hind Pocket Books Ltd.,

- Delhi, 1981

Course Title: Free Hand & Measured Drawing (Practical)	L	T	P	Cr.
Course Code: BVI107	0	0	6	3

Total Hours: 45

Learning Outcomes:

1. To get acquainted with drawing freehand
2. To learn the importance of correct measurements in architectural drawings
3. To introduce Freehand Drawing, Analytical Drawing and Painting
4. The aim of the module is to enable the learner to develop skill in the use of analytical drawing as a Means of communicating design ideas.

Course Content: 45 hours

- Free Hand Drawing
- Free hand drawing of geometrical figures
- Free hand drawing of certain pieces of furniture
- Free hand drawing of designs to be incorporated as elements in interior
- Design e.g. Designs of cornice, ornamented pillars, carved chair etc
- Free hand sketches of front elevation of rooms
- Free hand sketches of different views of room ie. one point & Two point
- Free hand reduction & enlargement of drawings. Measured Drawing
- Measuring a bed room with attached bath & furniture layout: drafting it to scale, judgement & analysis of plan, concept of revised plan
- Measuring a complete apartment: drawing it to scale, judgement& analysis of plan, concept of revised plan

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- De Chiara Joseph &Callender John, Time Saver Standards for Building Types,McGraw Hill Book Co.
- Gill Robert, Rendering with Pen & Ink, Thames & Hudson.

- Shah, Kale &Patki, Building Drawing, Tata McGraw Hill Publishing Co., New Delhi.

Semester-II

Course Title: Basics of Interior Design	**L**	**T**	**P**	**Cr.**
Course Code: BVI201	**4**	**0**	**0**	**4**

Total Hours: 60

Learning Outcomes:

1. Learn the basic concepts of interior design.
2. Develop the skill of applying the principles of design in decorating the Interiors
3. Identify, define and describe relevant aspects of a design problem (goals, Objectives).
4. Apply the design process, including pre-design, schematic design and Design development.

Course Content

Unit-I **14 hours**

Design – Meaning and Definition, Types – Structural and Decorative design, their characteristics, classification of decorative design.

Unit-II **16 hours**

Elements of Design – Meaning, various elements – line, form and shape, size, color, texture, pattern, space, light.

Unit-III **14 hours**

Principles of Design – Harmony, Balance, Rhythm, Emphasis, proportion. Application of design principles in interiors.

Unit-IV **16 hours**

Colour in the home –concept, qualities – Hue, value, intensity. Classification of colors, Prang color system, color harmonies – Related and contrasting color Harmonies, psychology of color. Application of colour in interiors.
Lighting in interiors – importance, classification based on sources, uses, Illumination, factors to be considered in lighting for different areas of house.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Varghese and ogale, 1994, Home Management, Wiley Eastern, New Delhi.

- Faulkner, S.-and Faulkner,R,(1987), Inside Today's Home, Rine hart Publishing Company, Newyork.

Course Title: Principles of Architecture	L	T	P	Cr.
Course Code: BVI202	4	0	0	4

Total Hours: 60

Learning Outcomes:

1. Acquire knowledge of principles involved in planning of architectural spaces.
2. Develop understanding about building standards and features of Construction regarding architectural spaces.
3. Develop and critically analyze architectural design
4. Situate architecture within historic, social and cultural contexts

Course Content

Unit-I

14 hours

Brief History of Architecture:
Wisdom of the Ancients Thro River Valley Civilization
Classical World
Early Christianity and Christian Kingdoms
The age of Church Building
Idea of Rebirth and Renaissance in Europe

Unit-II

16 hours

Application of Elements & Principles of Design
Planning Spaces
Features of planning e.g. zoning, circulation, climatic considerations.
Assessing activities and estimating space requirements for activities.
Space allocation and planning.
Principles of planning.
Building standards and by-laws

Unit-III

14 hours

Features of Construction of Building Components
Types of structural systems: trabeated, arcuated, framed, shell, tensile, pneumatic
Features of construction of building components: foundation, plinth, beam, column, slab, wall, roof, lintel, door, window, staircase

Unit-IV

16 hours

Aesthetics in 3-D Space Planning & Design.
6 Basic Terminologies of Architecture.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning.

Suggested Readings:

- Sir Banister Fletcher, A History of Architecture, CBS Publications (Indian Edition), 1999
- Spiro Kostof – A History of Architecture – Setting and Rituals, Oxford University Press, London, 1985
- Leland M Roth; Understanding Architecture: Its elements, history and meaning; Craftsman House,1984
- Allen Edward, How Buildings Work! Oxford University Press

Course Title: Fundamentals of Structures	L	T	P	Cr.
Course Code: BVI203	4	0	0	4

Total Hours: 60

Learning Outcomes:

1. On completing this course students will be able to understand the basic Principles of mechanics and behaviour of elements and ability to analyse the Standard members in structures.
2. Apply energy principles for the analysis of determinate/indeterminate Structures.
3. Identify the concept of thin plates using various approaches.
4. Discuss the behaviour of shells and their classifications and Stress-strain and force-displacement relationship.

Course Content

Unit-I **14 hours**

Introduction to built elements – study of built elements in the interiors with respect to materials used. Basic construction methods and general specifications. General types and classification of different types of buildings: overview of different functional, structural and architectural elements.

Unit-II **16 hours**

Introduction to basic structural systems, elements of structure, their functions and behaviour, beams, slabs, columns, walls, foundations, bearing wall systems, trusses, rigid frames, linear and curved elements, simply supported, cantilever and overhanging beams for various loads, effect of simple geometric forms in the overall structural behaviour.

Unit-III **14 hours**

Primary and secondary forces acting on the structures – gravitational force, live load, wind, temperature variation, distribution of loads through the elements of the structural system. Primary and secondary forces acting on the structures – gravitational force, live load, wind, temperature variation, distribution of loads through the elements of the Structural system.

Unit-IV **16 hours**

Characteristic requirements of structural design – stress and strains, strength, stiffness and stability. Discussion on factors affecting them and the

ways of satisfying these requirements. Study of behaviour of structures through models and testing them for given loads.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Rowland J. Mainstone : Development of Structural Form
- Rangwala : Engineering Materials
- S.P.Bindra, S.P.Arora, Building Construction
- B.C. Punmia : Strength of Materials vol - I

Course Title: APPLIED ARTS ON TEXTILES-II	L	T	P	Cr.
Course Code: BVI204	4	0	0	4

Total Hours: 60

Learning Outcomes:

1. To enable the students to understand the types of printing methods and Embroidery
2. Develop design in textiles and apply the same on materials.
3. Discuss global and cultural issues affecting the textile/surface design Industry.
4. Describe the development of textile arts and crafts.

Course Content

Unit-I **14 hours**

Basic stitches – Temporary stitches – types –functional and decorative. Permanent stitches-types and uses.

Unit-II **16 hours**

Study of figure irregularities and what can be done through design and optical illusion to minimize the effect.

Unit-III **14 hours**

Surface enrichment of fabrics – Embroidery- hand and machine Embroidery, Applique, cut work, Drawn thread work, sequins, Mirror work, Crocheting and Tatting.

Unit-IV **16 hours**

Various embroidery of India – Folk embroidery – Phulkari, Kasuti, Kantha, Heer, Quilting, Shawls, Chamba rumal.
Knitting – Types of knitting – machine and hand knitting – common stitches used in hand knitting.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Chambers B.G. "Colour and Design, Fashion in Men's and Women's Clothing and Furnishings".Prentice Hall, Inc, New york ,1951.
- Gisela Heix, Fabric Painting, B.T.Batsford Ltd.,London ,1972.
- Shailaja D.Naik, Folk Embroidery and Handloom weaving, A.P.H.Publishing Corporation, Newyork, 1997.

Course Title: Design Fundamentals- Lab	**L**	**T**	**P**	**Cr.**
Course Code: BVI205	**0**	**0**	**4**	**2**

Total Hours: 30

Learning Outcomes:

1. Understand elements and principles of art and design.
2. Learn to appreciate art.
3. Develop an understanding to the application of art principles in design Composition of Traditional and contemporary art, architecture and textiles in interior Design.
4. Develop skill in creating designs and making art objects.

Course Content: **30 Hours**

Design Sheets of Colour Scheme Effects

Achromatic, hue, value, intensity with suitable medium
Drawing Sheets of Various Figure - Ground Relationships
Drawing sheets of Spatial Tension in Achromatic
Drawing Sheets of Likeness Basis
Shape, size, position (direction interval & attitude), colour, texture, representation, association, symbolism
Drawing Examples of Absolute Variety in Absolute Unity (Hogarth's Line of Beauty)
Drawing Examples of Attraction & Attention Differences
Drawing Sheet on Movement & Balance
Drawing Sheet on Proportion & Rhythm
Restricted Composition Sheet with Dominance & Subordination
Preparation of Brief Report on Evolution of Art
Drawing Sheets on Typical Interior Compositions
Walls, floors, ceilings with views from different angles.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Bhat Pranav &Goenka Shanita, The Foundation of Art & Design, Lakhani Book Depot., Bombay, 1990
- Goldstein H & Goldstein V, Art in Everyday Life, Oxford and IBH Publishing Company, New Delhi, 1967.
- Rutt Anna Hong, Home Furnishing, Wiley Eastern Pvt. Ltd., 1961 Scott R G, Design Fundamentals

Course Title: Design Studio-I	L	T	P	Cr.
Course Code: BVI206	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. To learn by doing things
2. To familiarize students with various software's used in construction and Interior design profession for design estimation and project management.
3. Communicate critical design thinking according to disciplinary conventions; Drawings, models and graphics.
4. Appraise how design can impact, interact with, and improve environments.

Course Content: **30 Hours**

Case Study Approach – Typical Residential Unit Fully Operational
Detail Documentation, Drawing, Observation and Notes,
Quantification, Reporting, Presentation

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

1. Kevin Lynch. The Image of the city. The MIT Press, 1960.
2. Christopher Alexander. A Pattern language: towns, buildings, construction. Oxford University Press, 1978.
3. Kenneth Frampton. Studies in Tectonic Culture: The Poetics of Construction in Nineteenth and Twentieth Century Architecture. The MIT Press, 1995.

Course Title: Working Drawings And Presentation Techniques	L	T	P	Cr.
Course Code: BVI207	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. Understand the proper language of the drawing, which is internationally recognized.
2. Proper dimensioning & writing style.
3. Each & every details of the organization as per requirements.
4. Specifications required as per requirements.

Course Content: **30 Hours**

Design of Residences
Design and drawing of residences (both apartment and detached house) for
Various built-up areas and consideration of planning principles
Judging and analyzing aforementioned plans Calculation of planning efficiency
Working Drawings
Concept of working drawings & its need & importance
Drawing & drafting of plan
Beam layout & column layout
Development of elevation
Horizontal & transversal sections
Details of stair case
Detailing of all drawings, lettering, dimensioning
Submission details
Presentation Techniques
Rendering & presentation techniques
Pen & pencil rendering
Sciography
Colour rendering.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Frener, Weirick & Foster, Engineering Drawing & Graphic Technology, Tata McGraw Hills, New Delhi
- Gill Robert, Rendering With Pen & Ink, Thames & Hudson
- Muller A.J, Reading Architectural working drawings, Prentice Hall Inc.
- Shah C S, Architects Handbook, Galgotia Publishing, New Delhi

Course Title: Residential Space Planning-I (Practical)	L	T	P	Cr.
Course Code: BVI208	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. Learn to provide adequate facilities for work, relaxation, comfort, privacy, aesthetics, and maintenance through design and proper choice of materials, services, fittings and fixtures in interiors of residences.
2. Gain understanding of furniture design through anthropometric measurements
3. Make designs and working drawings for various residential interior schemes and understanding
4. their execution Learn techniques of presentation of designed interiors (manual)

Course Content:

Unit-I **8 hours**

Complete Floor Layout & Furniture Layouts

Single story house

Bungalow

Unit-II **7 hours**

Outdoor Planning

Offsets according to bye laws

Car park, Drive way

Garage

Lawn setting etc

Unit-III **8 hours**

Terrace Planning

Material used for roofing

Laying of roof material & their finish

Sit outs

Terrace gardens etc

Unit-IV **8 hours**

Judging & Analyzing the Aforementioned Plans & Calculation of Planning Efficiency

Sectional Elevations of Planned Areas

Perspective of Drawings (One Point & Two Point)

Presentation of Drawings (One Point & Two Point)

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Bellis H.F & Schmidt W A, Blueprint Reading, .McGraw Hill Book Co
  De Chiara Joseph & Callender John, Time Saver Standards for Architectural Types& Interior
- Design & Space Planning; McGraw Hill Book Co.
- French Thomas E, Engineering Drawing & Graphic Technology, McGraw Hill, New York, New Delhi
- Gill Robert, Rendering With Pen & Ink; Thames & Hudson

Course Title: Designing According to The User's Life style and Requirements (Practical)	L	T	P	Cr.
Course Code: BID209	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. To enable the students to take clients" brief to understand their lifestyle and create appropriate
2. Design keeping in mind that their design should meet the clients" functional and aesthetic need
3. To enable the budding interior designer to see things from client"s/user"s perspective
4. To bring an ecosystem of peer grading and appraisal.

Course Content **Total Hours: 30**

Case Study Approach – Work Space

Detail Documentation, Drawing, Observation and Notes, Quantification, Reporting, Presentation

Design of Residential Space for a Given Site

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Berger, C. Jaye. Interior Design Law and Business Practices. New York: John Wiley & Sons, Inc., 1994.
- Burden, Ernest. Design Communication: Developing Promotional Material for Design Professionals. New York: McGraw-Hill, 1987.
- Ching, Frank. Illustrated Guide to Interior Architecture. New York: Van Nostrand Reinhold,1987.
- Cvoxe, Weld, Maister, David, and The Coxe Group. Success Strategies for Design Professionals. New York: McGraw-Hill, 1987.

Semester: III

Course Title: Color in Interior Design	L	T	P	Cr.
Course Code: BVI301	4	0	0	4

Total Hours: 60

Learning Outcomes:

1. To understand the theory of colour.
2. To understand the application of colour in interiors.
3. To know the effect of light and colour together on interiors.
4. Understand colour harmony and the main colour schemes.

Course Content

Unit-I **14 hours**

Introduction to Colour

Rodes & cones, after images and their effects

The Prang Colour System

Hue: classes of colour (primary, binary, intermediate, tertiary, quaternary), neutrals,

Changing of hues, warm & cool colours, advancing & receding, hues & the seasons.

Value: value of normal colours, tints & shades, changing of values, effects of different values

Intensity: dull and bright colours, complimentary colours, changing of Intensity, texture & its influence on intensity & taste

Unit-II **16 hours**

The Munsell Colour System

The colour sphere

Munsell colour notation

Complementary hues in Munsell colour system

Hue, value, chroma

Colours and emotions

Effect of colour on each other

Unit-III **14 hours**

Principles of Design Applied to Colour Harmony in colour: standard colour schemes (related & contrasting harmonies), how
to use colour harmonies, background colours, keyed colours through neutralizing, mixing etc
Balance in colours: balancing dull and bright colours, light & dark colours, warm & cool colours, crossing or repetition.
Proportion in colour: law of colour areas
Rhythm in colour
Emphasis in colour

Unit-IV **16 hours**

Applications of Colour in Various Elements of Interiors
Summing up of interiors in various colour schemes and its relation to work output.
Effect of Colour on Texture
Effect of Colour on Light or Colour Rendition.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Beazley Mitchell, Colour Book, Reed Consumer Books Pvt. Ltd.
- Chijiwa Hideaki, Colour Harmony; Rockport Publishers
- Halse A. O, The Use of Colour in Interiors; McGraw Hill Book Company
- Stochton Tomes, Designer's Guide to Colour, Chronicle Books

Course Title: Lighting in Interior Design	L	T	P	Cr.
Course Code: BVI302	4	0	0	4

Total Hours: 60

Learning Outcomes:

1. To understand the theory of colour.
2. To understand the application of colour in interiors.
3. To know the effect of light and colour together on interiors.
4. Understand colour harmony and the main colour schemes.

Course Content

Unit-I **14 hours**

Introduction to Colour

Rodes & cones, after images and their effects

The Prang Colour System

Hue: classes of colour (primary, binary, intermediate, tertiary, quaternary), neutrals, changing of hues, warm & cool colours, advancing & receding, hues & the seasons.

Value: value of normal colours, tints & shades, changing of values, effects of different values

Intensity: dull and bright colours, complimentary colours, changing of intensity, texture & its influence on intensity & taste

Unit-II **16 hours**

The Munsell Colour System

The colour sphere

Munsell colour notation

Complementary hues in Munsell colour system

Hue, value, chroma

Colours and emotions

Effect of colour on each other

Unit-III **17 hours**

Principles of Design Applied to Colour

Harmony in colour: standard colour schemes (related & contrasting harmonies), how to use colour harmonies, background colours, keyed colours through neutralizing, mixing etc

Balance in colours: balancing dull and bright colours, light & dark colours, warm & cool colours, crossing or repetition.

Proportion in colour: law of colour areas

Rhythm in colour

Emphasis in colour

Unit-IV **13 hours**

Applications of Colour in Various Elements of Interiors

Summing up of interiors in various colour schemes and its relation to work output

Effect of Colour on Texture

Effect of Colour on Light or Colour Rendition

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Beazley Mitchell, Colour Book, Reed Consumer Books Pvt. Ltd.
- Chijiwa Hideaki, Colour Harmony; Rockport Publishers
- Halse A. O, The Use of Colour in Interiors; McGraw Hill Book Company
- Stochton Tomes, Designer's Guide to Colour, Chronicle Books

Course Title: Residential Space Planning-II Lab	L	T	P	Cr.
Course Code: BVI303	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. Acquire knowledge of principles of Interior Design for residential spaces.
2. Learn to provide adequate facilities for work, relaxation, comfort, privacy, aesthetics& maintenance
3. Through design & proper choice of materials, services, fittings & fixtures in interiors of residences.
4. Gain understanding of furniture design through anthropometric measurements.

Course Content **Total Hours: 30**

Study &. Analysis of Basic Floor Layouts (Standards) in Relation to Principles of Interior Designing Planning simple furniture layouts of the different interior spaces such as: living room, dining room, bedroom, bathroom, kitchen, pantry, utility, foyer, corridor, passage, balcony etc.

Planning a One-Bedroom Apartment, Mezzanine Floor, Work Studio etc. with Furniture Layout.

Complete Floor Layouts &. Furniture Layouts

Two bedroom apartment

Four bedroom apartment

Duplex.

Judging &. Analyzing the Afore-Mentioned Plans &. Calculation of Planning Efficiency Sectional Elevations of the Simple Furniture Layouts of the Different Interior Spaces Application of Colour, Texture &. Pattern through Techniques of Rendering &Presentation.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Black Maggie, Design for Living, Ward Lock Ltd.
- Blacke Sill, Storage & Shelving, Cresent Books, New York
- Clifton MoggCanoline, The Habitat Home Decoration; Octopus Cannom
- De Chiara Joseph & Callender John, Time Saver Standards for Architectural Types & Interior Design & Space Planning, McGraw Hill Book Co.

Course Title: Furniture Designing & Furnishings	L	T	P	Cr.
Course Code: BVI304	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. To acquire knowledge about the various materials used in furniture.
2. To know the multiple use of furniture keeping the constraints of available space. To learn to care & maintain the furniture with various finishes.
3. To appreciate the contribution of furnishings in satisfying family living.
4. To recognize the importance of wise decision making in selection, use and care of home furnishings.

Course Content

Total Hours: 30

History of Furniture Style
Sketches of period furniture
Determination of Body Dimensions by Anthropometric Equipment
Determination of body composition
Statistical analysis of the data and interpretation of findings
Orthographic Projections of Simple Furniture Pieces
such as chair, table, bed, cupboard, wardrobe, cabinets etc
Isometric Projections of Furniture Units
Wooden Joinery & Carpentry
The different types of joineries used in making furniture
Furniture Detailing
Detailed drawing of different types of furniture with their joineries
Preparing furniture models
Application of Furnishing
Window treatment
Floor coverings
Upholstered furniture
Market Survey of Furniture Materials, Furniture Finishes & Furnishings.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Charlotte & Peter Fiell, Modern Furniture Classics since 1945, Thames & Hudson
- Darby Tom, Making Fine Furniture; Guild of Master Craftsman Publications
- De Chiara Joseph & Calendar John, Time Saver Standards for Architectural Types & Interior Design & Space Planning; McGraw Hill Book Co.
- Gilliatt Mary, The Decorating Book; Michael Joseph

Course Title: Computer-Aided Design	L	T	P	Cr.
Course Code: BVI305	4	0	0	4

Total Hours: 60

Learning Outcomes:

- Learn about Corel draw and Adobe Photoshop and difference between raster and vector graphics
- Understand basic features of CorelDraw and Adobe Photoshop and various page setups.
- Fundamental of Corel and adobe Photoshop tolls and Concept of layers.
- Understand importance of computer aided design, which creates employability.

Course Content

Unit-I **14 hours**

Introduction to Corel draw and tools.
Importance and Uses of Corel Draw for Designers, Bitmap and Vector Images

Unit-II **16 hours**

Application of various textures and Patterns.
Drawing of fashion figure using different tools.
Knowledge of export/save graphics. , Create textures, prints design in Corel.

Unit-III **16 hours**

Colour Palette and printing
Introduction to Photoshop and its importance
Tools of Photoshop

Unit-IV **14 hours**

Opening the Photoshop , Concept of Path, layers
Creating logos, collage, brochures, fliers, story board, mood board, labels, and visiting cards.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- *Norton,2002 Introduction to Computers, Peter.*
- *Bright ,2007 Introduction to Computer Fundamentals.*
- *Peter Shirley 2009, Fundamentals of Computer Graphics*

Course Title: Building Material	L	T	P	Cr.
Course Code: BVI308	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. To become aware of the existing and new trends and availability of
2. Construction materials.
3. To learn to make wise selection of suitable building materials for various surfaces.
4. To learn to compare the cost of different building materials and make worthy selection.

Course Content

Unit-I **8 hours**

Construction Materials
Cemetious materials: types, qualities, properties desired, place of availability merits Demerits, uses, prevention & care of stone, bricks, cement, lime, sand, mortar, Concrete and plaster.

Unit-II **7 hours**
Wood, metal & other materials: wood (natural & artificial): metals (aluminium based, copper based, lead based, nickel based, iron based, steel based), plastics, rubber, glass, tiles, asbestos.

Unit-III **4 hours**
Paints & Varnishes

Unit-IV **11 hours**
Fire Resistance Properties of Materials
Prefabricated & Eco-friendly Building Materials.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Arora S P &Bindra S P, Building Construction, DhanpatRai& Sons, New Delhi, 1990.
- Deshpande R S, Build Your Own Home, Poona Book Corporation, Pune.1985
- Deshpande R S, Engineering Materials for Diploma Students, Poona Book Corporation, Poona, 1985

Deshpande R. S, Modern Ideal Homes for India, Poona Book Corporation,

Course Title: Design Studio-II	L	T	P	Cr.
Course Code: BVI306	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. To learn by doing things
2. To familiarize students with various software's used in construction and Interior design profession for design estimation and project management.
3. Communicate critical design thinking according to disciplinary conventions; Drawings, models and graphics.
4. Appraise how design can impact, interact with, and improve environments.

Course Content

Case Study Approach – Work Space

Detail Documentation, Drawing, Observation and Notes, Quantification, Reporting, Presentation

Design of Residential Space for a Given Site.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Sigfried Giedion. Space, Time and Architecture: The Growth of a New Tradition. Harvard University Press, 1967
- William S. Saunders. Nature, Landscape, and Building for Sustainability: a Harvard Design Magazine Reader. Minneapolis, University of Minnesota Press, 2008.
- Al Gore. The Future: Six Drivers of Global Change. Random House, 2013

Course Title: Interior & Construction Technology-II	L	T	P	Cr.
Course Code: BVI307	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. To practically understand the function of important building materials
2. Their quality perception and their various application and use at work sites
3. Demonstrate an ability to thrive in a rigorous intellectual climate, which Promotes inquiry through design research.
4. Ability to successfully complete an option-based directed design Research sequence, pursuing the individualized exploration of advanced And emerging topics.

Course Content **30 hours**

Structural Systems

Load, Support, Span

Structural Behaviour

Compression, Tension

Influencing Factors- Seismic, Wind, Time

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Agnew, J.C. 'A House of Fiction: Domestic Interiors and the Commodity Aesthetic", in Bronner, S. (ed.) Consuming Visions: Accumulation and Display of Goods in America 1880-1920. New York: Norton, 1989.
- Ayres, James. Domestic Interiors: The British Tradition, 1500-1850. New Haven and London: Yale University Press, 2003.
- Baker, Malcolm. „Public Images for Private Spaces? The Place of Sculpture in the Georgian Domestic Interior", Journal of Design History, 20:4 (2007), 309-23.
- Beard, Geoffrey. Craftsmen and Interior Decoration in England, 1660-1820. London Bloomsbury Books, 1986.

Semester-IV

Course Title: Commercial Space Design-I	L	T	P	Cr.
Course Code: BVI401	4	0	0	4

Total Hours: 60

Learning Outcomes:

1. To develop the skill in visualizing and designing spaces of commercial interiors considering the Principles of designs, anthropometric data and ergonomic criteria.
2. To understand the criteria for selection of appropriate material for different surfaces taking into Consideration of ergonomic factors, aesthetics and cost.
3. To design detailed interiors for selected purposes.
4. To analyse existing examples of selected designs.

Course Content

UNIT-I **16 hours**

Study &Analyse Existing Interior Design
Planning aspects, colour schemes, services, constructional details, furniture design for an office, an educational facility, health club& temporary exhibition stalls.

UNIT-II **12 hours**

Design of Interior Layouts for an Office, an Educational Facility, Health Club & Temporary Exhibition Stalls.

UNIT-III **18 hours**

Presentation drawings (plans & perspectives)
Detailed working drawings (plans, sectional
Elevations, sanitary and electrical layouts and detailing)
Furniture details.

UNIT-IV **14 hours**

Market Survey & Analysis of Materials Associated with Interior Design of Aforementioned Projects & Site Visits.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Cerver E A, Commercial Space, Office Design & Layout, Rotovision SA
- De Chiara Joseph & Callender John, Time Saver Standards for Architectural Types & Interior
- Design & Space Planning, McGraw Hill Book Co.
- Gustafsan K & Yes Robert, Corporate Design, Thames & Hudson, London
- National Building Code of India, Bureau of Indian Standards, New Delhi, 1999. Planning The Life Space

Course Title: Planning The Life Space	L	T	P	Cr.
Course Code: BVI402	4	0	0	4

Total Hours: 60

Learning Outcomes

1. Develop skill in drawing house plan for different income groups.
2. Acquire knowledge in recent building Materials.
3. The Design of Space for family living has four Goals
4. Acquire knowledge in planning a life space

Course Content

UNIT-I **14 hours**

Space for living – Concept of space, factors influencing living space, Location and Orientation, Planning objectives- utility, economy, beauty and character. Need for space, space occupancy. Merits and demerits of owned and rented house.

UNIT-II **15 hours**

Significance of housing – functions of house, selection of site, Types of house plans- site plan, floor plan, elevation, cross–section, perspective view. Satisfaction in – individual houses, multi –storied flats, row houses, one room apartments.

UNIT-III **18 hours**

Division of space – private, public, work and traffic – definition, utility, determinants. Utility space – laundry facilities.

Principles of House plan – Aspect, orientation, prospect, privacy, grouping, roominess, flexibility, circulation, furniture requirements, sanitation, practical considerations.

UNIT-IV **13 hours**

Methods of construction - Types of construction – meaning, basic knowledge

in types of construction – load bearing and non-load bearing or framed structure. Cast in Site and Prefabrication – advantages and limitations.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Prabhakar, L.V. (1998), Vasthu – The User's Manual, The Avenue Press, Chennai.
- Despande, R.S. (1974), Build Your Own Home, United Book Corporation, Poona.
- Riggs, R. (1992), Materials and Components of Interior Design, Prentice Hall of India Pvt. Ltd, New Delhi.
- Rao, C.H.G. (1995), Plants for Small Houses, Jai Ganesh offset Printers, chennai.

Course Title: Commercial Space Design-I Lab	L	T	P	Cr.
Course Code: BVI403	0	0	4	2

Total Hours: 30

Learning Outcomes

1. To develop the skill in visualizing and designing spaces of commercial interiors considering the Principles of designs, anthropometric data and ergonomic criteria.
2. To understand the criteria for selection of appropriate material for different surfaces taking into Consideration of ergonomic factors, aesthetics and cost.
3. To design detailed interiors for selected purposes.
4. To analyze existing examples of selected designs.

Course Content: **30 hours**

Study &Analyse Existing Interior Design
Planning aspects, colour schemes, services, constructional details, furniture design for an office, an educational facility, health club& temporary exhibition stalls
Design of Interior Layouts for an Office, an Educational Facility, Health Club &Temporary Exhibition Stalls
Presentation drawings (plans & perspectives)
Detailed working drawings (plans, sectional
Elevations, sanitary and electrical layouts and detailing)
Furniture details
Market Survey & Analysis of Materials Associated with Interior Design of Aforementioned Projects & Site Visits

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Cerver E A, Commercial Space, Office Design & Layout, Rotovision SA
- De Chiara Joseph &Callender John, Time Saver Standards for Architectural Types & Interior
- Design & Space Planning, McGraw Hill Book Co.
- Gustafsan K & Yes Robert, Corporate Design, Thames & Hudson, London
- National Building Code of India, Bureau of Indian Standards, New Delhi, 1999.

Course Title: Computer-In Design, Photoshop, Corel Draw	L	T	P	Cr.
Course Code: BVI404	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. Develop understanding of vector drawing and creation of design through vector software.
2. Develop understanding of photo editing and creation of raster images through software.
3. Understanding practical applications of graphic designing.
4. Students will familiarize themselves with the basics of Corel DRAW,

Course Content: **30 hours**

Getting Started with Coral Draw
Introduction to tools selection
Drawing &colouring
Working with text
Applying effects
Working with bitmap & web resources
Images in Photoshop
Introduction to tools selection &colour models
Working with layers
Creating shapes & painting
Transforming & retouching
Colour& tonal adjustment
Filters and their specific effects
Working with type
Saving a file

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Books related to the operation of Coral Draw & Photo Shop.
- Jeyapoovan, T. (2005). Engineering Drawing and Graphics Using AUTOCAD. India:Vikas Publishing House Pvt Ltd.
- Chockalingam, P. (1999). Computer Aided Design and Manufacturing -
- CAD/CAM. Delhi: Paramount Publications.
- Bertolotti, F., Macrì, D. M., &Tagliaventi, M. R. (2004). Social and Organizational Implications of CAD Usage: A Grounded Theory in a Fashion Company. New Technology, Work and Employment, 19(2), 10-127.

Course Title: Environment Studies	L	T	P	Cr.
Course Code: BVI405	2	0	0	2

Total Hours: 30

Learning Outcomes

1. Recognize the physical, chemical and biological components of the earth's system and show how they function.
2. Do Independent research on human interaction with the environment
3. Implement work improvement techniques in an organization where they undergo for in-plant training.
4. Understand about Social Issues and the Environment, which are essential for the employability

Course Content

Unit-I **8 hours**

The Multidisciplinary nature of environmental studies
Definition, scope and importance
Need for public awareness.
Natural Resources:
Renewable and non-renewable resources:
Natural resources
a) Forest resources:
b) Water resources:
c) Mineral resources:
d) Food resources:
e) Energy resources:
f) Land resources:

Unit-II **7 hours**

Ecosystems
Concept of an ecosystem.
Structure and function of an ecosystem.
Producers, consumers and decomposers.
Energy flow in the ecosystem.
Food chains, food webs and ecological pyramids.
Forest ecosystem
Desert ecosystem

Unit-III **8 hours**

Environmental Pollution
Definition
Causes, effects and control measures of:-
Air pollution

Water pollution
Soil pollution
Marine pollution
Noise pollution
Thermal pollution

Unit-IV **7 hours**

Social Issues and the Environment
From Unsustainable to Sustainable development
Urban problems related to energy
Water conservation, rain water harvesting, watershed management
Resettlement and rehabilitation of people; its problems and concerns. Case studies.
Human Population and the Environment
Population growth, variation among nations.
Population explosion – Family Welfare Programme.
Environment and human health.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Agarwal, K. C. 2001, Environment Biology, Nidi Publ. Ltd. Bikaner.
- Jadhav, H & Bhosale, V.M. 1995. Environment Protection &Laws, Himalaya Pub House, Delhi 284p.
- Rao M. N. & Datta A.K. 1987, Waste Water Treatment,Oxford & IBH Publ. Co. Pvt. Ltd.

Course Title: Introduction to Business Management	L	T	P	Cr.
Course Code: BVI407	3	0	0	3

Total Hours: 45

Learning Outcomes:

1. Explore variety of drawing media and techniques.
2. Develop skill in drawing using different tools.
3. Knowledge of art forms, artists, and art works by referencing their work in Art both a historical and contemporary context.
4. Familiarize the student with prehistoric rock art of India. This course is also focus to understand the Development, role and function of Indian prehistoric Art.

Course Content:

Unit-I **8 hours**

Drawing Equipment – Supports – Canvas, Boards, Panels and papers – water colour and oil painting – Brushes-water colour and oil paint – Developing design on various supports with different brushes.

Unit-II **12 hours**

Drawing Media – Pencils – Charcoal – Pastels – Conte Crayons – Pen and Ink – Markers and fibre tip pens – Accessories – drawing with different media.

Unit-III **14 hours**

Painting Media – Water colour, gouache, Tempera, Acrylics and Oil-paints, binders, diluents, mediums palettes and accessories – Developing wall hangers.

Techniques of drawing – Line – Points – Tone – Wash – Texture – Developing greeting cards using different techniques.

Unit-IV **11 hours**

Colour and composition – Colour-language, tonal value, mixing, colour expression

and colour contrast – Composition-creating focal points – Evaluating three famous artists work.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Gair, A, 1999 Artists' Manual, Hopper Collins Publishers, London.
- Holt, F.T. and Smith, S. 1997. The Artists Manual – Equipments, Materials, Techniques, Grange Books, London.
- Malhotra and Malhotra, 2001, Drawing Techniques, Blue Bird Books, Delhi.
- Monahan, P., Seligman, P. and Clouse, W. 2003, Arts School – A Complete Painters Course, Chancellor Press, London.

Course Title: Interior Design For Special Needs	L	T	P	Cr.
Course Code: BVI408	3	0	0	3

Total Hours: 45

Learning Outcomes

1. Recognize the elements and principles of design and their applications.
2. Demonstrate competency in the design process.
3. Identify and evaluate the technical aspects of interior design projects.
4. Identify the physical as well as social and psychological aspects of design.

Course Content

Unit-I **10 hours**

Housing Environments for Physically Handicapped, Old age People, Destitute, Orphan, Deaf &. Dumb, Mentally Retarded

Study of existing problems - some reflections of the problems

Scope and objectives & ways to overcome through designing

Different research institutions & their functions

Unit-II **14 hours**

Ergonomic Factors &. Anthropometries Data, Circulation, Work Surfaces for Different Functions, Arrangement &. Clearances, Door Width, Kitchen Counter

Height, Counter Width, Furniture Suggested for them & their Details.

For Reading

Studying

Dining

Storing- clothes, books & other daily needs.

Recreational activity

Toilet facilities

Commercial offices

Health care

Unit-III **12 hours**

Facilities Provided in Recreational Areas, Public Areas Etc.

Public health centres

Cinema halls,

Ramp, slope

Unit-IV **9 hours**

Parking areas,

Circulation areas,

Lifts

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- CPWD Guidelines for Space Standards for Barrier Free Built Environment for Disabled & Elderly Persons, CPWD, New Delhi.
- Joseph De Chiara et.al., Time Saver Standards for Building Types, McGraw Hill International, Singapore, 3rded., Singapore, 1995.
- Joseph De Chiara et.al., Time Saver Standards for Housing & Residential Development, McGraw Hill International Singapore, 3rded. 1995

Course Title: Furniture in Interiors	L	T	P	Cr.
Course Code: BVI409	3	0	0	3

Total Hours: 45

Learning Outcomes

1. Learn about the types and importance of furniture.
2. Know about the selection, care and arrangement of furniture.
3. To apply Ergonomics in interior designing.
4. To become aware of the planning principles for designing various interior Spaces.

Course Content

Unit-I **12 hours**

Styles of furniture – traditional, contemporary and modern. Furniture for different
Purpose – meaning need, factors influencing – climatic condition, family needs and
Preferences, availability, and financial limit.

Unit-II **10 hours**

Familiar furniture materials – Wood – teak, rose wood, walnut, cedar, mahogany,
pine, birch, sal and Ply wood, Bamboo, Cane, Metals, Plastics, Leathers.

Unit-III **9 hours**

Selection and arrangement – Furniture for various rooms –Living room, dining room,
bedroom, kitchen, study room, office. Principles of design in furniture arrangement.

Unit-IV **14 hours**

Construction features of furniture – shaping, carving, turning, fluting, reading, joining and finishes. Upholstering – techniques and designs.

Care and maintenance – wooden furniture, wicker and cane, metal furniture, plastic

and upholstered furniture. Wood finishes and furniture polishes.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Stepat, D.D, (1971), Introduction to Home Furnishings, The Mac Millan Co,
  NewYork.
- Wilhide, E and Cope stick, I. (2000) Contemporary Decorating, Conron Octopus Ltd., London.
- Levine M (1998), Living rooms, Rockport Publishers, USA.
- Faulkner. R and Faulkner. S, (1987), Inside Today's Home, Rinehart Winston,
  New York

Course Title: Green Building Technology	L	T	P	Cr.
Course Code: BVI410	3	0	0	3

Total Hours: 45

Learning Outcomes

1. Understand the importance of green building technology.
2. Acquired knowledge in recent green building materials and to trap rain water
3. Having an understanding of core building science fundamentals
4. Able to understand energy efficiency in relation to cost performance.

Course Content

Unit-I **12 hours**

Green building technology – Meaning, concept, need, importance, benefits of green
buildings, impact of green building on human health and natural environment.

Unit-II **10 hours**

Materials and finishes used in green building – Bamboo, straw, wood, dimension
stone, Recycled stone, non-toxic metals, Earth blocks-compressed, rammed, baked;
vermiculites, flax linen, sisal, wood fibres, cork, coconut ,polyurethane block.

Unit-III **11 hours**

Green building practices and technologies. Roof, walls, floors – electrical, plumbing,
windows, and doors, heating, ventilation and air conditioning (HVAC), insulation,
Interior finishes, landscaping.

Unit-IV **12 hours**

Renewable energy resources – meaning and importance, solar energy – advantages, principles and functions of solar devices – solar room heater, solar lights, solar water heater, solar air conditioners.
Water conservation technology - Rain water harvesting-importance, requirements of

rain water harvesting structure, types of rain water harvesting systems, advantages.

Transaction Mode:

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Rai G.D (1996), Solar Energy Utilization, Khanna Publichsers, Delhi.
- Riggs, J.R. (1992) Materials and Components of Interior Design, Regents Hall, New Jersey.
- Faulkner, R., and Faulkner. S, (1987) Inside Today's Home, Rinehart publishing House, Newyork.
- Roa, M.P. (1998), Interior Design, Principles and Practice, Standard Publishers, Delhi.

SEMESTER-V

Course Title: Landscaping & Gardening	**L**	**T**	**P**	**Cr.**
Course Code: BVI501	**4**	**0**	**0**	**4**

Total Hours: 60

Learning Outcomes:

1. To develop an understanding about the importance of functionality and Aesthetics of landscaping.
2. To enhance knowledge about it's planning, various plant types & care & Maintenance.
3. To get familiar with the various materials related to landscaping.
4. Practice different methods for propagation of plants

Course Content:

Unit-I **16 hours**

Introduction of Landscaping in Interior Designing
Historical reference, concept, importance etc.

Unit-II **14 hours**

Factors Affecting Planning of Landscaping
Location & orientation, climatic conditions, land profile, soil type, water sources, drainage, elements & principles of design.

Unit-III **18 hours**

Planning of Landscaping (Residential & Commercial)
Planning codes & procedures
Dimensions of Landscape Space
Foreground area (boundary, pathways, parking, arches, porch etc.)
Private living area (recreational area, play area, outdoor seating etc.)
The service area (cleaning area, drying area, garbage area, disposal, water supply, kitchen, garden)

Unit-IV **12 hours**

Gardening
Selection, planting & care (trees, plants, hedges, flowers, lawns, vines, Creepers, Indoor plants, bonsai)
Gardening on Terrace, Roof, Balcony, Window Sill, etc
Garden Furniture.

Transaction Mode:

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Bose T K, Tropical Garden Plants, Kolkata, Horticulture & Allied Publishers, 1991
- Cedric Crocker, All About Landscaping, Ortho Books.
- Faulkner R & Faulkner S, Inside Today's Home, New York, Holt Rinehart & Winston Inc.,1960
- Hooguett Fickle, The Garden, The Netherlands, Rebo Production, Lisse 1977

Course Title: Entrepreneurship Management	L	T	P	Cr.
Course Code: BVI502	4	0	0	4

Total Hours: 60

Learning Outcomes

1. To develop entrepreneurship skills in students.
2. To motivate students towards seeking an entrepreneurial career.
3. To help the students understand the process & procedure of setting up small enterprises.
4. To develop analytical skills of students regarding the environment related to small-scale industries & businesses.

Course Content

Unit-I **14 hours**

Enterprise Management
Concept of entrepreneurship development
Need, scope, process & role in economy.
Types of enterprises: merits & demerits.
Institutional support, government polices & schemes for enterprise development

Unit-II **16 hours**

The Entrepreneur
Definition behaviour, characteristics, entrepreneurial competency, concepts & Development.
Self-awareness, interpersonal skills, creativity, assertiveness.
Factors influencing entrepreneur's role.

Setting & Managing an Enterprise

Need, scope & approaches for project formation, market assessment, S.W.G.T analysis & techno-economic feasibility of project.
Resource mobilization-finance, technology, raw materials, site & manpower.
Costing, marketing management & quality control institutions.
Book of accounts, financial statements, funds flow analysis & financial incentives.
Feedback, monitoring & evaluation.

Unit-III **14 hours**

Critical Path Method, Project Evaluation, Review Techniques for Establishing Small-Scale Industries.

Creativity & Problem Solving Personnel Management.
Salaries, wages & incentives, performance appraisal, quality control etc.

Unit-IV **16 hours**

Marketing &. Sales Management
Marketing management & sales techniques, packaging, label intervention, pricing & after sales service.
Legislation
Licensing, registration, principal laws, business ethics, income tax, labour law application, consumer complaint redressal.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- A handbook of learning Systems, Entrepreneurship Development, Institute of India, New Delhi,1982
- Deshpande M V, Entrepreneurship of Small Scale Industries, Concept, Growth & Management, Deep & Deep Publications, New Delhi, 1984
- Hirsch R D. & Peter M P, Entrepreneurship, Starting Developing & Managing a NewEnterprise, Richard. D Irwin, Inc, U.S.A, 1995
- Parekh V & Rao T V, Personal Efficiency in Developing Entrepreneurship Learning System, New Delhi, 1978

Course Title: Commercial Space Design-II Lab	L	T	P	Cr.
Course Code: BVI503	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. To design detailed interiors for selected purposes.
2. To analyse existing examples of selected designs
3. To develop the skill in visualizing and designing spaces of commercial interiors considering the Principles of designs, anthropometric data and ergonomic criteria.
4. To understand the criteria for selection of appropriate material for different surfaces taking into Consideration of ergonomic factors, aesthetics and cost.

Course Content

30 hours

Study & Analyse Existing Interior Design (Planning Aspects, Colour Schemes, Services, Constructional Details, Furniture Design) for a Restaurant / Cafeteria, a Store or Health Facility, a Boutique, a Conference Room and a Polyclinic Design of Interior Layouts fora Restaurant / Cafeteria, a Store or Health Facility, a Boutique, a Conference Room and a Polyclinic
Presentation drawings (plans and perspectives)
Detailed working drawings (plans, sectional elevations, sanitary and electrical layouts and detailing) Furniture details Estimation of Cost for the Abovementioned Interiors Site Visits.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Cerver F A, Commercial Space, Bars, hotels & Restaurants, Rotovision SA, Switzerland
- Cerver EA, Shops, Malls & Boutiques, Rotovision SA, Switzerland
- De Chiara Joseph &Callender John, Time Saver Standards for Architectural Types & Interior Design & Space Planning, McGraw Hill Book Co.
- National Building Code of India, Bureau of Indian Standards, New Delhi, 1999

Course Title: Draftmanship	L	T	P	Cr.
Course Code: BVI504	3	0	0	3

Total Hours: 45

Learning Outcomes:

1. Understand the importance of draftsmanship.
2. Develop skill in using different drafting tools.
3. Learn to use various lines, to develop a drawing.
4. Understand the importance of free hand sketching.

Course Content

Unit-I **10 hours**

Introduction to draftsmanship - Drawing office organization, layout of drawing studio. Need for training the draftsman, Duties of draftsman, Determining needs and wishes of the client. Relationship between two dimensional and three dimensional diagrams.

Unit-II **12 hours**

Drafting tools and Techniques –Importance of tools, Drawing tools and their uses, Instrument box; Techniques adopted in handling tools, Types of scales, Tools for curves and irregular forms .
Drafting medium - Tracing paper, tracing cloth, sketch paper, vellum, polyester film.

Unit-III **12 hours**

Layout of drawing sheets and title block.
Lines – types of lines, thickness of lines, hatching of section.
Lettering – requirements of good lettering, size of letters and numerals, space between letters, recommended height of letters, lettering technique

Unit-IV **11 hours**

Geometrical constructions. Technical sketching – introduction – importance of Free hand sketching, principles of free hand sketching

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Pratap. R.M (1988), Interior Design, Principles and Practice, Standard

- Publishers, distribution, Delhi.
- Natrarajan.K.V (1994), A Text book of Engineering Drawing, self –
- publication, Chennai.
- Birdie. G.S and Birdie.J.S (2003), Civil Draughtsmanship, Theory and
- Practice Dhanpat Rai Publishing company (P) Ltd., New Delhi.
- Venugopal.K. (2004) Engineering Graphics, 5th edition, New Age
- International Publishers, New Delhi.

Course Title: Computer -3D Max	L	T	P	Cr.
Course Code: BVI505	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. Illustrate character studio skills, including rigging and animating.
2. 3D modelling: Learn how to create 3D models using various techniques and tools
3. Animation: Learn how to use key frame animation and motion paths to bring Models to life
4. Simulation: Learn how to generate physical simulations and create effects like Water, fire, spray, and snow.

Course Content

Unit-I **30 hours**

Essentiality of 3Ds Max in Architectural Design Visualization, Product Show Reel &
Other Demo Reel, User Interface of 3D Max
Negotiating with Objects Transformation (Move, Rotate, Scale), Understanding Various 3D Model Types (Spline, Mesh, Poly, Patch, Nurbs)
Changing System Unit & Working with Architectural Unit System, Drafting & Modifying Simple 2D Architectural Block with Spline Shape
Usage of Spline Modifiers (Extrude, Lathe, Bevel Profile, Sweep) to Generate 3D Surface Model.
Creating a Simple Building Plan with Dimension.
Importing Plan from Auto cad to 3D Max & Modelling a Complete 3Dd Building (by Using Wall Tool & other AEC Extended Objects).
Mesh & Poly Modelling of Different Interior Accessories.
Concept of Patch & Nurbs Model & Understanding their Characteristics. Usage of Them in Architectural Modelling.
Definition of Material and Textures and Relation Of Them With Virtual Scene Light.
Working with Different Architectural Materials, Placing Proper Lights in a Small Interior Scene.
Handling Target & Free Camera, Placing Camera in a Scene to Get Perspective View From a Specific Angle.
Examples of Advanced Material (Mental Ray Arch & Design) & Photometric Light (Area, Linear, Isotropic, Spot) with Indirect Illumination (Final Gathering)
Casting Mental Ray Sun & Sky Light for Exterior Scene, Generating Atmospheric Effects such as Fog, Mist, Fire, Cloud
Rendering into Photo Realistic Raster Images of Various Formats & Sizes.

Definition of Animation. Classification of Animation. Examples of 3D Max Key Frame Animation
Creating Camera Fly through in Both Int& Ext Scene
Managing Project File, File Import Export, Xref Objects & Communicating with Other 3D Packages

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Books on Latest Version of 3D MAX
- Arnaud, Remi & Barnes, Mark C. "COLLADA: sailing the gulf of 3D digital content creation" Wellesley, Mass. A K Peters, 2006.
- Blundell, Barry G. & Schwarz, Adam J. "Creative 3-D display and interaction interfaces: a Trans disciplinary approach". Hoboken. Wiley-Inter science, 2006.
- Blundell, Barry. "Introduction to computer graphics and creative 3-D environments". London. Springer, 2008.

Course Title: Entrepreneurial Development	L	T	P	Cr.
Course Code: BVI506	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. Develop entrepreneurial skills.
2. Analyse the environment related to small scale industry and business.
3. Understand the process and procedures of setting up small enterprises.
4. Develop Management skills for entrepreneurship development.

Course Content

Unit-I **8 hours**

Entrepreneurship -Entrepreneur, Enterprise and Entrepreneurship - meaning, Need, transition from income generation to self-employment and Entrepreneurship, Qualities of a good entrepreneur, problems of entrepreneurs.

Unit-II **7 hours**

Factors influencing entrepreneurial development - Economic, Legal, Socioeconomic, Psychological and Environmental factors.

Unit-III **8 hours**

Agencies supporting entrepreneurial Development Programme - SIDCO, DIC, TllC, EDII, SIPCOT, KVIC. Institutional Finance to Entrepreneurs – IDBI, ICICI, RBI, LIC.

Project identification and classification - Meaning of Projects, Project Identification, Project Classification, internal and external constraints, Project Objectives.

Unit-IV **7 hours**

Project formulation – Concept, need, elements. Project selection, appraisal Format, check list for feasibility report, planning commission guidelines.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Gupta C.B, and Srinivasan N.P, Entrepreneurship Development in India, Sultan
  Chand & Sons, New Delhi, 2004.
- Chunawalla S.A, Sales Management, Himalayan Publishing House, New Delhi, 1991.
- Vasant Desai, Project Management and Entrepreneurship, Himalaya Publishing
  House, New Delhi, (2000).
- David H.Moll, Entrepreneurship, Prentice Hall of India, New Delhi, 1999.
  Frank Jerkins, Advertising, Prentice Hall of India, New India, 2000.

Course Title: Professional Practice	L	T	P	Cr.
Course Code: BVI507	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. Plan residential interiors and commercial interiors.
2. Gain knowledge in estimating and costing.
3. Understand the preparation of quotation and tenders.
4. Demonstrate knowledge, capabilities, practices, attitudes, ethics and Dispositions of their discipline or profession.

Course Content

Unit-I **6 hours**

Residential Interiors – Space planning for residential interiors – living room, dining room, kitchen, bedroom, children's room, bathroom

Unit-II **4 hours**

Commercial interiors – Space planning for office interiors – cabinets, conference rooms open office systems.

Unit-III **8 hours**

Estimating – Definition of estimates, types, unit and mode of measurement, quantity surveying –systems adopted, analysis of rates – purpose of rate analysis,
schedule of items, schedule of rates, schedule of quantities.

Unit-IV **12 hours**

Specifications – definition, objectives, importance, types, requirements, points to be included in the specifications.
Tenders and quotations – Tenders – meaning, tender document, tender notice, types, preparation of tenders, quotations, contracts – meaning, essential requirements
of a contract and types.

Transaction Mode

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Deshpande, R.S. (1995) ; Modern Ideal Homes for India, Deshpande Publication, Poona
- Tessie, A., (1986), The House, its Plan and Use, J.B. Lippincett, New York.
- Day P.G. (1982), A guide to Professional Architectural and Industrial Scale
  Model Building, Eagle wood clifts, N.J. Prentice Hall.
- Indian Standards Institutions (1983), National Building Code of India ISI rol, 1
  New Delhi, Marak Bhavan

Course Title: CONSUMER AND MERCHANDISING	L	T	P	Cr.
Course Code: BVI508	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. Learn about the need and use of commercial art.
2. Encourage the student to apply theoretical knowledge in arranging the Interior and window of a store.
3. Know the current trends in commercial art.
4. Acquire knowledge in consumer and merchandising

Course Content

Unit-I **6 hours**

Concept of commercial art and merchandising – Meaning, classification, Development of commercial art. Recent trends –art, architecture and display. Significance of display – interior and exterior.

Unit-II **10 hours**

Consumer and Merchandising – Meaning, significance and classification of Consumer, Consumer rights and responsibilities, classification of consumer goods,
Elements involved in merchandising – grading, branding, labelling, packaging and
Standardization.

Unit-III **8 hours**

Merchandising and distribution – Importance, selection of channels, channels of distribution of goods, techniques of merchandising – selling methods. Salesmanship – concept, definition, types and qualities of salesman – Techniques of salesmanship.

Unit-IV **6 hours**

Advertisement – Definition, importance, classification, features of good Advertisement, preparation and techniques. Advertisement media – selection, Classification and types, poster – importance, characteristics, steps and techniques in Poster making.

Transaction Mode
Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Pattanchetti, C.C., Reddy. P.N., (1995), Marketing, Rainbow Publisher, Coimbatore.
- Nair, R. (1994), Marketing, Sultan Chand and Sons Educational Publishers,
  New Delhi.
- Nisra, M.N. (1994), Sales Promotion and Aadvertising Management, Himalaya
  Publishing House, Bombay.

Course Title: House Keeping And Front Office Management	L	T	P	Cr.
Course Code: BVI509	0	0	4	2

Total Hours: 30

Learning Outcomes:

1. Know the organizational structure of a Housekeeping department.
2. Improve skills in organization of work and prepare for housekeeping jobs
3. Front office operations: How to manage the front desk, including Communications, value-added services, and guest requests
4. Staff management: How to identify staff training needs and develop a staff Training program.

Course Content

Unit-I **5 hours**

Introduction to Housekeeping Department- Objectives, Organizational Structure of Housekeeping department (small, medium, large), Duties of Housekeeping personnel, Housekeeping as a Profession.

Unit-II **6 hours**

Housekeeping in different Institutions- commercial sector and welfare sectors Departments that housekeeping Co-ordinates with—reception, catering, interior
Decoration and other related departments.

Unit-III **6 hours**

Functions of Housekeeping department- Desk control, records and registers, Key types and control of keys, service pantry-location and essential features, lost and
Found, fire, emergency and first aid.

Unit-IV **13 hours**

General maintenance - Cleanliness of all the rooms, furniture, furnishings and Accessories. Bed and bedding size, care and cleaning of beds, bed linen, blankets,
Bedspreads and mattress, and pillow cover.
Introduction to front office, layout of front office and different front office Equipment, importance of front office in hospitality industry, duties and

Responsibility, ideal qualities of a front office staff and job description of a front office
Assistance.

Transaction Mode:

Lecture, Seminar, Quiz, Question, Group Discussion, and Project based Learning, Self-Learning, Cooperative Learning

Suggested Readings:

- Branson,J.C.&Lennox, M (1992), Hotel, Hostel and Hospital Housekeeping,
  Arnold Heinnaman, U.S.A.
- Lillicrap,D.R and Cousins,J.A (1994), Food and Beverage Service, London
- Faulkner,R. and Faulkner,S. (1997), lnside Today's Home, Rinehart Publishing
  company,New York.
- Binnie, R and Boxal, D.J, (1972), Housecraft Principles and Practice, Pitman
  Publishing, London.

Semester: VI

Course Title: Internship	**L**	**T**	**P**	**Cr.**
Course Code: BVI601	**0**	**0**	**20**	**20**

Learning Outcomes:

After completion of this course, the learner will be able to:

1. To enable the students to get first hand practical training at Interior Designing and architectural firms
2. To gain practical training in the chosen field
3. To integrate the theoretical knowledge into practical situation
4. To get placement for students after identifying their areas of interest that Complement the curriculum / syllabi
5. To raise the confidence level of the student.

Course Content **20 hours**

For Project

During the semester the students are to work on a residential project designed and
Developed by them on paper i.e. the planning, the furniture layout, all the relevant
Working drawings, estimation and costing of the suggested plan
During the semester a similar project on any one commercial establishment has to be
Designed and developed by the student giving all the required drawings
The students would be working under the supervision of a faculty member and would get approval prior to starting the project.
Presentations on both the projects (Residential & Commercial) has to be given at the end of the semester. The student would be evaluated at the end of the project submission and would have to defend her work on the date assigned for it.
For Term Paper each student shall be required to carry out under supervision of teacher or teachers, an original investigation work or review work on any relevant topic or a technological problem related to his / her studies. Students would have to submit three copies of typed written and bound dissertation embodying the experiments and results of their investigation.

Total of about one month (4-6 weeks duration) Field Visit and Practical Training at Interior Designing firm or Architectural Firms or Real Estate/ Promoters / Builders or Furniture Designing Units. Students shall submit 3 copies of typed written report on the field visit and appear in a seminar and viva-voce examination to be conducted by a common board of examiners (internals and externals covering all important areas)

The paper would be evaluated under the following heads:
Selection of Topic
Collection of Review
Assimilation of Literature, References Used.
Viva-voce (Self-understanding), etc.

Suggested Readings:

- Journal/magazine
- Relevant books
- Dissertation
- Pamphlets, brochures, newsletters
- Websites