

Devi Ahilya Vishwavidyalay, Indore

Department of Lifelong Learning

Certificate Program in Interior Design

B.Voc. in Interior Design Scheme

Proposed course/papers with Credits for semester

First Year - First Semester

Code No.	Course	No. of Hours per week		Total Credit	Remark
		Theory/ Lecture	Studio/ Lab Work/ Practical		
Core Education Components					
BVID-101	Basic Design-I	2	6	5	
BVID-102	Graphics-I	2	6	5	
BVID-103	Building Material-I	3	2	4	
BVID-104	Design Thinking	1	6	4	
		8	20	18	18
Elective course Discipline Centric- Any One					
BVID -105	Fundamental of English	4	0	4	
BVID -106	Basic Computer	3	2	4	
Elective Generic*- Only One- Choice Based within other Department					
BVID -107*	Drawing Sketching – I	0	8	4	
BVID -108	VIVA-VOCE	4	0	4	12
	Total				18+4+4+4=30
Elective Generic*- The student can Choose this course or any other UG level generic course being run in this campus.					

Devi Ahilya Vishwavidyalay, Indore

Department of Lifelong Learning

B.Voc. in Interior Design

Diploma Program in Interior Design

Proposed course/papers with Credits for semester

First Year -Second Semester

Code No.	Course	No. of Hours per week		Total Credit	Remark
		Theory/ Lecture	Studio/ Lab Work/ Practical		
Core Education Components					
BVID -201	Design-II	2	6	5	
BVID -202	Graphics-II	2	6	5	
BVID -203	Building Construction-I	3	2	4	
BVID-204	Building Material- II	2	4	4	
		9	18	18	
Elective course Discipline Centric- Any One					18
BVID -205	English and Communication Skill	4	0	4	
BVID -206	Psychology of design	3	2	4	
Elective Generic*- Only One- Choice Based within other Department					
BVID -207*	Drawing Sketching –II	0	8	4	
BVID-208	VIVA-VOCE	4	0	4	12
	Total				18+4+4+4=30
Elective Generic*- The student can Choose this course or any other UG level generic course being run in this campus.					

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Department of Lifelong Learning

Diploma Program in Interior Design

B.Voc. in Interior Design

Proposed course/papers with Credits for semester

Third Semester

Code No.	Course	No. of Hours per week		Total Credit	Remark
		Theory/ Lecture	Studio/ Lab Work/ Practical		
Core Education Components					
BVID -301	Design-III	2	6	5	
BVID -302	Services-I	3	2	4	
BVID -303	Building Construction-II	2	6	5	
BVID -304	Auto Cad 2D -I	2	4	4	
Elective course Discipline Centric- Any One					18
BVID- 305	Environmental Psychology	3	2	4	
BVID- 306	Life Skills Education	3	2	4	
Elective Generic*- Only One- Choice Based within other Department					
BVKH 307*	Basics of Interior Design	1	6	4	
BVKH -308	VIVA-VOCE	4	0	4	12
	Total				18+4+4+4=30
Elective Generic*- The student can Choose this course or any other UG level generic course being run in this campus.					

Devi Ahilya Vishwavidyalay, Indore

Department of Lifelong Learning

Advance Diploma Program in Interior Design

B.Voc. in Interior Design

Proposed course/papers with Credits for semester

Fourth Semester

Code No.	Course	No. of Hours per week		Total Credit	Remark
		Theory/ Lecture	Studio/ Lab Work/ Practical		
Core Education Components					
BVID -401	Design-IV	2	6	5	
BVID -402	Services-II	4	0	4	
BVID-403	Building Construction-III	1	6	4	
BVID -404	Auto Cad 3D – II	2	6	5	
Elective course Discipline Centric- Any One					18
BVID-405	Computer & Digital communication	2	4	4	
BVID-406	Positive Psychology	3	2	4	
Elective Generic*- Only One- Choice Based within other Department					
BVID-407*	Waste to wealth	1	6	4	
BVID-408	VIVA-VOCE	4	0	4	12
	Total				18+4+4+4=30
Elective Generic*- The student can Choose this course or any other UG level generic course being run in this campus.					

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Department of Lifelong Learning

Advance Diploma Program in Interior Design

B.Voc. in Interior Design

Proposed course/papers with Credits for semester

Fifth Semester

Code No.	Course	No. of Hours per week		Total Credit	Remark
		Theory/ Lecture	Studio/ Lab Work/ Practical		
Core Education Components					
BVID -501	Design-V	2	6	5	
BVID -502	Auto CAD Max-III	1	6	4	
BVID-503	Professional Practices & Estimating Costing	1	6	4	
BVID-504	Working Drawing	2	6	5	
Elective course Discipline Centric- Any One					18
BVID -505	Digital Skill & Cyber Safety	3	2	4	
BVID -506	Retail Design	3	2	4	
Elective Generic*- Only One- Choice Based within other Department					
BVID -507*	Entrepreneurship Development	2	4	4	
BVID -508	VIVA-VOCE	4	0	4	12
	Total				18+4+4+4=30
Elective Generic*- The student can Choose this course or any other UG level generic course being run in this campus.					
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Department of Lifelong Learning

Degree Program in Interior Design

B.Voc. in Interior Design

Proposed course/papers with Credits for semester

Six Semester

Code No.	Course	No. of Hours per week		Total Credit	Remark
		Theory/ Lecture	Studio/ Lab Work/ Practical		
Core Education Components					
BVID-601	Design-VI	1	6	4	
BVID-602	Landscape Design	2	2	3	
BVID-603	Internship	0	16	8	
BVID -604	Workshop/ Industrial Project	0	6	3	
Elective course Discipline Centre- Any One					18
BVID -603	Space Planning & Design	3	2	4	
BVID -604	Family Finance & Consumer Studies	3	2	4	
Elective Generic*- Only One- Choice Based within other Department					
BVKH -605*	Interior Decoration & Accessories Design -II	1	6	4	
BVKH -606	VIVA-VOCE	4	0	4	12
	Total				18+4+4+4=30
Elective Generic*- The student can choose this course or any other UG level generic course being run in this campus.					

B. Voc.- Interior Design

Semester: 1- Skill Component Subjects

Subject: **Basic Design-I**

Code No.	BVID-101	Credit- T-2, P-6= 5
Course Objectives	<ol style="list-style-type: none"> 1. To understand design issues through design elements and principles. 2. To study dimensions of colors and light and textures. 	
Learning outcomes	<ul style="list-style-type: none"> • To recognize the elements and principles of design and their applications. • To identify the physical as well as social and psychological aspects of design. • To Produce design compositions and develop presentation skills. • To Practice the application of basic rules of space planning and organization. • To show competency on visual scale, proportion, balance, rhythm, emphasis. • To develop an awareness of two-dimensional and volumetric composition of spaces. • To create believable shade and shadow effects for use in freehand sketches and perspective drawings of interior spaces. • Demonstrate ability to produce drawings that show appropriate line weights and a specific scale. 	
Course content	<ol style="list-style-type: none"> 1. Elements of Design- <ul style="list-style-type: none"> • Point • Line • Color- Color schemes, Theory of colors, Color Psychology • Shape • Form • Texture • Light- Types of Light, Impact of Lights • Shade 2. Principles of Design- <ul style="list-style-type: none"> • Harmony • Contrast • Proportion • Rhythm • Balance • Unity • Dominance 3. Progression Development of Visual perception through simple design elements - line, plane and solid and perception of spaces through design elements and organization. 	

Assignments	<ol style="list-style-type: none"> 1. Elements of design 2. Composition of lines 3. Color wheel 4. Color schemes 5. Effects of lights and shades 6. Showing textures 7. 2D composition of shapes, eg. Tiles, photo frames etc. 8. 3D composition of shapes eg. Mural 9. Various compositions to show principles of design. 10. Simple designs with combination of principle of element of design.
Reference Books	<ol style="list-style-type: none"> 1. Colour Harmony – Chijiwa, Hideaki 2. All magazines publish for the purpose of interior and architecture. 3. Easy Home Improvement – Kelly, Margaret 4. Architecture Digest International Interiors 5. Design Elements, Color Fundamentals: A Graphic Style Manual for By AarisSherin 6. The Elements of Design -Rediscovering Colours, Textures, Forms and Shapes by Loan Oei and Cecile De Kegel, 2002
Specific outcome	<ul style="list-style-type: none"> • This is the main subject in the curriculum, which focuses on the practical application of all the theory subjects in the design studio. It aims at allowing the student to develop his designing skills by actually getting involved.

Semester : 1- Skill Component Subjects

Subject :Graphics –I

Code. No.	BVID- 102	Credit- T-2, P-6= 5
Course Objectives	<ol style="list-style-type: none"> 1. To introduce drawing tools and equipment's 2. To develop visual perception and drawing skills 3. To introduce system of technical representation 	
Learning outcomes	<ol style="list-style-type: none"> 1. To develop the sense of depth of line, shape, mass, texture etc. 2. To produce three dimensional presentations as isometric and perspective. 3. To demonstrate ability to produce drawings that show appropriate line weights and a specific scale. 4. To demonstrate a number of drawing skills while using appropriate tools, equipment, materials, processes, medium selection, techniques of drawings and graphics, etc. 5. To develop an awareness of two-dimensional and volumetric composition of spaces. 	

Course content	<ol style="list-style-type: none"> 1. Introduction of drawing materials and equipment. 2. Point and line, straight and curvilinear lines, Types of lines and line thickness, representation of lines 3. lettering single stroke letter, Gothic lettering 4. Dimensioning 5. Principles of plane geometry, scale, orthographic projection, of points, line, planes and solids. 6 Sections of solids, simple and complex solids. 7. Development of surfaces of solids. 8. various types of scale and their representation 9. Isometric and oblique Presentation
Assignments	<ol style="list-style-type: none"> 1. Types of lines 2. types of letters 3. representation of points, lines, shapes 4. representation of solids 5. sections of solids 6. development of surface 7. types of scales 8. isometric projections and oblique projection
Reference Books	<ol style="list-style-type: none"> 1. Engineering Drawing – N.D. Bhatt 2. Hindi and English Lettering style – Hashmi

Semester : 1- Skill Component Subjects

Subject : **Building Materials –I**

Code. no.	BVID-103	Credit- T-3, P-2= 4
Course Objectives	1. To introduce basic materials used in construction their physical and behavior properties.	
Learning outcomes	<ul style="list-style-type: none"> • To understand Building Materials like Clay products, Brick, Stone, Cement their uses types' strength of materials. 	
Course	<ol style="list-style-type: none"> 1. Bricks/Tiles-Quality and type of bricks and their uses. 2. Concrete- Introduction of P.C.C. and R.C.C. Ingredients of concrete, properties 	

content	<p>of concrete, various finishes.</p> <p>Wood: Properties uses, availability and costs of soft, hard and medium wood. Choice of wood for furniture making & building construction.</p> <p>3. Wood- Types of Wood, Quality and defects of wood and other wooded products plywood, block board, particle board, teak ply board, teak block board, teak particle board, both side teak boards. Cane, Bamboo, Rubber their uses and properties.</p>
Assignments	1. Presentation on the qualities of good building material, identify or check quality and it's uses.
Reference Books	1. RangwalaA.,BuildingMaterials,UPB Publication,N.Delhi,12 th Edition 2004

Semester : 1- Skill Component Subjects

Subject: **Design Thinking**

Code No.	BVID-104	Credit- T-1, P-6= 4
Course Objectives	<ol style="list-style-type: none"> 1. To understand what is design 2. To study phases of design 3. Design thinking is an essential tool & right way to reach good out put in every design, for designers 	
Learning outcomes	<ul style="list-style-type: none"> • KNOWLEDGE :• the student know how to approach innovation challenges from a human• centered perspective they understand that the best innovation are uselly the ones that address deep human needs which point to meaning & the human experience. The acknowledge that a multidisciplinary approach to innovation is a powerful way to incorporate the perspectives of many different kinds of people & spaces. • SKILL:• - The student are able to empathize with a board group of stakeholders to understand their needs through the ethnographic method. - The student are able to define & redefine innovation challenges by asking the right answers. - The students are able to develop many creative idea through structured brainstorming session. - Develop rapid prototypes to bring their ideas into reality as quickly as possible & obtain feedback. 	
Course content	<ol style="list-style-type: none"> 1. What is the design 2. What is design thinking (think inside & out side the box) 3. Design thinking phases Empathise Define need & problems Ideate Prototype Solution Test 4. The problem with ingrained pattern of thinking 5. An example of problem solving (the encumbered vs. the fresh mind) 6. The power of story telling behind every design 	

	7. Science & rationality in design thinking
Assignments	1. Design rethink reflection on activities in class 2. Create a file - detailing your weekly activities & learning (Multimedia)
Reference Books	1. DESIGN THINKING – the beginner’s guide 2. Rethinking design thinking - DON NORMAN 2013 3. Bill moggridge “ design thinking : Dear Don” By AarisSherin 3.The Elements of Design -Rediscovering Colours, Textures, Forms and Shapes by Loan Oei and Cecile De Kegel, 2002
Specific outcome	<ul style="list-style-type: none"> • This is the main subject in the curriculum, which focuses on the Design • Thinking, method & activities , & problem solving.

Elective courses- Discipline centric-

Subject: Fundamental of English

Code no.	BVID -105	Credits- T-4 , P-0= 4
	<p>Objectives - To prepare the students to communicate effectively and fluently in English</p> <ol style="list-style-type: none"> 1. To enable students to master reading, writing, speaking and listening skills. 2. To strengthen grammatical accuracy. 3. To prepare the students to deal with customers, professionals, counselors etc. in correct grammatical, idiomatic English 4. To provide personality development training through situational role play, interview techniques, group discussions, seminar presentation etc. 	
Unit – 1	<p>1. Grammar</p> <ul style="list-style-type: none"> • Tenses, Narration, Voice • Degrees of Comparison • Question tag • Simple, Compound, Complex Sentences • Transformation of sentences. • Assertive, Interrogative, Exclamatory, No sooner than, either or, neither nor, unless, until etc. • Phrasal verbs. 	

<p>Unit- 2</p>	<ul style="list-style-type: none"> • An unseen passage will be given for analysis. Questions will be based on comprehension of content and vocabulary. Answers must be written in the students' own language, with minimum use of words and phrases from the passage. Answers should not be copied ditto from the unseen passage. This passage can either be a prose piece or a simple poem. • Simple questions on style and techniques may also be set in case of a poem. • Report Writing • Formal Reports. • Types of Reports : Long, Short, Formal, Informal <ul style="list-style-type: none"> • Why is a report required - who asks for a report • Stages of Report Writing : <ul style="list-style-type: none"> • Assembling the material, planning the report, drafting the report, editing the report • Elements of a Report • Introduction, Main data or facts, conclusion, recommendation to the Superior.
<p>Unit – 3</p>	<ul style="list-style-type: none"> • Business Proposals : will be taught how to draft a proposal for setting up a new venture or new business the terminology used for formal commercial dealings, writing to banks, applying for loans and/or extension of credit etc. • Paragraph Writing : <ul style="list-style-type: none"> ○ This question will involve writing a few lines (10-15) on any given topic or writing a paragraph completing a given set sentence. ○ This topic will test the descriptive vocabulary and constructive logical narrative capabilities of the student.
<p>Unit - 4</p>	<ul style="list-style-type: none"> • Letter Writing: Students should be trained thoroughly in

Code no.	BVID- 106	Credit- T-2, P-4 = 4
Course Objectives	2. To study about the basic knowledge of computer for office work 3. To upgrade the technical knowledge in related field.	
Learning outcomes	<ul style="list-style-type: none"> • To study the use of MS word , Excel and power point . Students are practical to get them the use of • Utilize software for word processing for basic reports and specification writing. • Use spreadsheet and graphic presentation software applications. • Use graphic symbols for interior material finishes. 	
Course content	1.Computer applications to business 2. Characteristics, Log diagram, Number system, Data representation schemes, Flowcharts, Types of computers. BOQs, estimates cost sheets, process implementation 3. MS-Word- Basics, File operations, Working with document, Text formatting, Advance formatting, Tables, inserting objects & page design, Mail merge, printing, views, creating styles, power point presentation 4. MS-Excel- Working with sheets, Formulas, Self formatting, Functions, Graphic objects charts, Data base • MS Power point- Slide shows, Animation, Transition 5. Windows Basics 6. Internet uses	
Assignments	1. Power point presentation on any course subject.	
Reference Books	1.Computer General Awareness by Alok Kumar (Paperback - 2008) 2. Computer Fundamentals by P. K. Sinha (Paperback - 30 November 2004)	

Elective Generic course

Subject: Drawing and Sketching – I

Code no.	BVID -107	Credits- T-0, P-8 = 4
Course Objective- 1. It provides students with a set of universal skill and knowledge of drawing and sketching . 2. To aquire knowledge of different types of techniques		
Unit – 1	<ul style="list-style-type: none"> • Principles of drawing • Basics of drawing techniques • Pencil Drawing, Objects, water color Dry and wet painting • Memory Drawing 	
Unit- 2	<ul style="list-style-type: none"> • Three Dimensional shapes • Human Body and forms • Hand and legs movements • Body movements 	
Unit – 3	<ul style="list-style-type: none"> • Basics of shading • Light Effects • Charcoal Pencil shading • Colour Pencil shading 	
Unit - 4	<ul style="list-style-type: none"> • Rendering with pen and ink • Geometrical Shapes • Time sketches with pencil shades 	
Reference Books	<ul style="list-style-type: none"> • Bhartiya Chitrkala ka Etihās: (2000): Aditya N. Chari • History of Indian Painting and Sculptures(2018): Dr. Rita Pratap. • Freehand Drawing (2011): M.M. Mehta 	

B. Voc.- Interior Design

Semester: 2 – Skill Component Subjects

Subject: Design-II

Code No.	BVID- 201	Credit- T- 2, P- 6= 5
Course Objectives	<ol style="list-style-type: none"> 1. To understand human scale to environment. 2. Study of space – client’s requirement, climate of place, surrounding environment and energy and resource conservation method. 	
Learning outcomes	<ul style="list-style-type: none"> • Students will successfully use critical thinking in the design of a space. • Analyze, justify, and rate interior applications of concepts • Employ space planning techniques and conventions. • Write residential interior specifications and recognize main components and design needs for residential interiors 	
Course content	<ol style="list-style-type: none"> 1. Study anthropometric data for different units e.g. - bedroom, toilet, kitchen and class room. 2. Limited space design problems for single function and it’s all furniture design, colour scheme and other design elements. 3. Designing with respect to Climatic Factor(Residential unit) 	
Assignments	<ol style="list-style-type: none"> 1. Collection Anthropometric data along with sketches 2. Designing of Small Spaces e.g. Bed Room.(all Designs should be made by students, through manual means only(hand Drafted) 3. All presentation drawings of the exercise. 	
Reference Books	<ol style="list-style-type: none"> 1. All magazines publish for the purpose of interior and architecture. 2. Easy Home Improvement – Kelly, Margaret 3. Architecture Digest International Interiors 4. Bathroom ?Design- Dean and Barry 5. Spaces, Spatiality and Technology (Computer Supported Cooperative Work) by Phil Turner and Elisabeth Davenport (Hardcover - 1 September 2005) 	

B. Voc.- Interior Design

Semester : 2 – Skill Component Subjects

Subject - **Graphics –II**

Code no.	BVID- 202	Credit- T-2, P- 6= 5
Course Objectives	1. Study of projection and visual techniques which give photographic and actual presentation.	
Learning outcomes	<ul style="list-style-type: none"> • Drawing skills as tools to design thinking, visualization and representation initial familiarization with drawing materials and equipment's is followed by basic understandings about the point and the line, straight and curvilinear. • To understand Sciography of individual and different geometrical objects and of Interior/Exterior parts of buildings • Study of shades and shadows. 	
Course content	<ol style="list-style-type: none"> 1. Orthographic and Isographic Projection 2. Perspective Projection – One point and Two point, free Hand views. 3. Sciography – Shades and Shadow of Objects 4. Presentation Techniques 5. Rendering with Pencil 6. Rendering with Ink 7. Presentation Drawing 	
Assignments	<ol style="list-style-type: none"> 1. Orthographic and Isographic Projection – simple 2D composition 2. Orthographic and Isographic Projection – single Room 3. One point Projection of simple 3d solids 4. Two point Projection of simple 3d solids 5. Every type of rendering techniques. 6. Rendering of Student own Work i.e. Perspective Projection on any interior small space. 	
Reference Books	<ol style="list-style-type: none"> 1. Ahmed Kasu ,Interior Design, Standard publication, N.Delhi ,4th Edition 2004 2. Rendering with pen and ink – Gill Robert w. 3. Basic Rendering - Gill Robert w. 	

B. Voc.- Interior Design

Semester : 2 – Skill Component Subjects

Subject - **Building Construction – I**

Code no.	BVID -203	Credit- T-3, P- 2= 4
Course Objectives	1. To make students aware about the details of finishing interior materials and their proper use and properties.	
Learning outcomes	<ul style="list-style-type: none"> • To recognize and define the technical aspects of interior building systems. • To Describe and illustrate the construction and finishing of walls. • To understand Different types of brick bonds & stone masonry structure. 	
Course content	<ol style="list-style-type: none"> 1. Basic idea of Construction 2. Basic requirement of a building 3. Basic Component, function and their requirement 4. Classification of Building 5. Types of Foundation 6. Types of Brick and Brick walls 7. types of stone walls 	
Assignments	<ol style="list-style-type: none"> 1. Types of Foundation 2. Types of brick 3. Types of brick walls 4. Types of stone walls 	
Reference Books	<ol style="list-style-type: none"> 1. Building Construction – Sushil Kumar 2. Building Construction: Metric Volume 1, 5/e by WB McKay 2012 3. Building Construction: Metric Volume 3, 5/e by WB McKay 2012 4. The Construction of Buildings – Barry .R 	

B. Voc.- Interior Design

Semester : 2 – Skill Component Subjects

Subject - Building Material –II

Code no.	BVID-204	Credit- T-2, P- 4= 4
Course Objectives	1. To let students aware about the latest materials available in the market.	
Learning outcomes	<ul style="list-style-type: none"> • Identify materials used in the construction of interior spaces. • Identify standards used to determine code compliance for interior furnishings and finishes. • Identify building materials and finishes safe for the environment and health and welfare of general public. • Analyze finish materials and products taking into consideration functional, aesthetic and maintenance needs. 	
Course content	<ol style="list-style-type: none"> 1. Plastics - Types, variety and uses according to type 2. Glass- constituents, finishes and properties. 3. Paints and Varnish and installation specification. 4. Ferrous and Non Ferrous 5. Gypsum and related product and installation specification. 	
Assignments	Market survey in different groups and it's presentation	
Reference Books	1. Building materials – Rangwala 2. Building Materials N-New Age International by S K Duggal: Paperback 2nd	

Elective courses- Discipline centric-

Subject- English and Communication Skill

Code no.	BVID -205	Credits- T-4 , P-0= 4
Course Objective- <ol style="list-style-type: none"> 1. To prepare the students to communicate effectively and fluently in English 2. To enable students to master reading, writing, speaking and listening skills. <ol style="list-style-type: none"> 1. To strengthen grammatical accuracy. 2. To prepare the students to deal with customers, professionals, counselors etc. in correct grammatical, idiomatic English 		

Unit – 1	<p>Improving communicative competence through knowledge of communication. Type of communication</p> <ul style="list-style-type: none"> • Objective and methods of communication <ol style="list-style-type: none"> a. Channels of Communication b. Barriers of communication c. Importance of pronunciation d. Phonetics, Phonetic Transcription e. Types of oral & written communication f. Conversion of table or tree into paragraph
Unit- 2	<ul style="list-style-type: none"> • A Oral Communication • B Written Communication • Non Verbal • Body language • Dress code • Colours • Light • Sound • Charts • Graphics
Unit – 3	<p>Introduction of various general qualities amongst future designers.</p> <ul style="list-style-type: none"> • Introduction <ol style="list-style-type: none"> a. Learning : Concept and principles of learning b. Memory techniques: Dual store model of memory organization o c. Motivation : Introduction & Definition d. Time management : process of time planning
Unit - 4	<ul style="list-style-type: none"> • Presentation skills : To acquire convincing presentation skills • Leadership Skills • Group Discussions • Team work building • Interview Technique

Reference Books	<p>1. English Grammar, Composition and usage by J.E.Nesfield adapted by N.K.Aggarwal and F.T.Wood, Published : Machmillar India Limited.</p> <p>2. English Idioms by Jennifer Seidi and W. Mcmordie Published : Oxfort University Press</p> <p>3. Persuasive Reports and Proposals by Andrew Leigh University Press (India Ltd., Distributed by Orient Longman).</p> <p>4. A Practical English Grammar by A.J.Thomson and A.V.Martinez Published : Oxford University Press</p> <p>5. Strengthen your English by M.P.Bhaskaran and D.Hosburgh Published : Oxford University Press</p>
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Subject – Psychology of Design

Code no.	206	Credit- T- 3, P- 2= 4
Course Objectives	1. To understand what is Psychology 2. To study Psychology of design. As a design student- we can leverage psychology to build more intuitive human centered products and experiences Instead of forcing users to conform to the design of a product or experiences we can use some key principles from psychology as a guide for designing how people actually are.	
Learning outcomes	<p>KNOWLEDGE :• student will demonstrate familiarity with the major concepts ,human mind's perspective & historical trends in design psychology</p> <p>RESEARCH:</p> <ul style="list-style-type: none"> • Understand• & apply basic design research, design data analysis & store. Critical thinking skills in design psychology. • 	
Specific Outcomes	This is subject which focuses on the relation between human nature• & Design , method & activities How do build a habit in a particular space• & product design Develop the art of choosing materials according to design• & client's habits & nature	
Course	<ul style="list-style-type: none"> • Design thinking What is the design Psychology Design Psychology phases Psychology principles that's will change the way of design 1. Mental model 2. The 	

content	von restorff effect 3. Gestalt principles - Proximity - Similarity - Closure - Continuity - Figure & ground 4. Visual reactions 5. The psychology of colors <ul style="list-style-type: none"> 6. The psychology of colors 7. Dual coding theory 8. Cost benefit analysis
Assignments	Create a DOCUMENT on - The psychology of colors
Reference Books	1. The design of everyday things_ Donald a. Norman 2. Thinking fast & slow – Daniel Kahneman 3. Designing for emotions - Aaron Walter

Elective Generic course

Subject- Drawing and Sketching – II

Code no.	BVID -207	Credits- T-0, P-8= 4
Course Objective- 1. To gain knowledge of cloths color shading with different medium. 2. To gain knowledge of different types of drawing and painting techniques		
Unit – 1	<ul style="list-style-type: none"> • Garment drawing with different types of folds, frills, fringes and pleats • Draping on human figure • Different Brushing techniques 	
Unit- 2	<ul style="list-style-type: none"> • Rendering with water colour • Basic fabric rendering • Embellished fabric rendering 	
Unit – 3	<ul style="list-style-type: none"> • Landscape Painting • Portrait Drawing • Canvas Painting 	
Unit - 4	<ul style="list-style-type: none"> • Glass Painting • Oil Painting • Face & body Painting 	
Reference Books	<ul style="list-style-type: none"> • Bhartiya Chitrkala ka Etahas: (2000): Aditya N. Chari • History of Indian Painting and Sculptures(2018): Dr. Rita Pratap. • Freehand Drawing (2011): M.M. Mehta • Portrait Techniques 	

B. Voc.- Interior Design

Semester: 3- Skill Component Subjects

Subject - Design –III

Code no.	BVID-301	Credit- T-2, P-6= 5
Course Objectives	1. To study about various furnishing techniques and understand balancing of different design elements.	
Learning outcomes	<ul style="list-style-type: none"> • Employ programming and research techniques. • Demonstrate space planning skills as related to office design. • Prepare selections and specifications of interior materials, finishes, and furnishings. • Utilize design process to integrate design concepts and develop solutions for design projects. 	
Course content	<ol style="list-style-type: none"> 1. Furnishing of Residence and Office 2. Furnishing using Accessories 3. Wall Treatment of Residence and Offices 4. Importance of Lighting 5. Designing Commercial Space 6. (small spaces e.g. beauty parlor, doctor's clinic, property broker' office) 	
Assignments	<ol style="list-style-type: none"> 1. Complete residential project – room, hall, kitchen and dining 2. Case study of residential un its 3. Any small commercial space e.g. small office, cabin, 	
Reference Books	<ol style="list-style-type: none"> 1. Newfort Architects Data – Jones and Vincent 2. Restaurant Design – Colgan AND Susan 3. Interior India- Nando India 4. Time Saver Standards for Interior Design 	

B. Voc.- Interior Design

Semester :3- Skill Component Subjects

Subject - Services – I

Code no.	BVID 302	Credit- T- 3, P- 2= 4
Course Objectives	<ol style="list-style-type: none"> 1. To study and understand about basic services required for comfortable living. 2. See all requirements and check all basics services with relation with environment. 	
Learning	<ul style="list-style-type: none"> • Define and use basic lighting terms and strategies related to the design of interiors 	

outcomes	<ul style="list-style-type: none"> Perform various drawing standards and conventions used in lighting for interior design.
Course content	<p>1. Ventilation and light – Natural and artificial</p> <p>*Lighting in buildings, light and its sources, lighting criteria, the visual field, day lighting, prediction method.</p> <p>*Artificial lighting levels for various activities, calculation for lighting levels.</p> <p>*Electric layouts, science of wire distribution, control panels, switches, types of wiring, wiring for heating/cooling, ducting system and Conduits.</p> <p>*Switches as product available in market, light as product available in market - tube lights, beam lights, wall lights, night lights.</p> <p>*Project drawings for residence, flats, commercial and institutional building.</p> <p>2. Water Supply</p> <p>*Requirements of water supply to various building sources of water, methods of conveyance of water, and water lines product Materials.</p> <p>*Water purification product availability in market.</p>
Assignments	<ol style="list-style-type: none"> Electrical layout of residence. Water supply layout of residence.
Reference Books	<ol style="list-style-type: none"> A Text Book Of Building Services by Udayakumar- 2007 Building Services Handbook by Fred Hall and Roger Greeno : 2013

B. Voc.- Interior Design

Semester :3- Skill Component Subjects

Subject - Building Construction – II

Code no.	BVID-303	Credit- T- 2,P- 6= 5
Course Objectives	<ol style="list-style-type: none"> 1. To study and understand the different materials and methods of construction used in doors, windows, suspended ceilings and wall paneling. 2. To understand built forms through its behavior in different structural systems. 	
Learning outcomes	<ul style="list-style-type: none"> • Differentiate between and draw the construction methods and finishing of ceilings • Recognize and define the technical aspects of interior building systems. • Introduction to ceilings- types of ceilings --metal coated strip sections, ply, p.o.p, gypsum[readymade branded ceiling systems] -construction details of the above mentioned ceilings. 	
Course content	<ol style="list-style-type: none"> 1. Doors and Windows – panel door , flush door , Sliding doors 2. windows – Wooden paneled, metal, aluminum 2. Partitions-Types of partitions, Simple partition (in wood, glass and metals) 3. Ceilings -suspended, Different types of false ceiling 4. Paneling - Paneling in plywood ply board, wood, laminates. 	
Assignments	<ol style="list-style-type: none"> 1. Types of door 2. Types of windows 3. Types of partition 4. Types ceiling explain through sections 5. Types of paneling 	
Reference Books	<ol style="list-style-type: none"> 1. Building Construction – Sushil Kumar 2. Building Construction: Metric Volume 2, 5/e by WB McKay 2012 3. Building Construction: Metric Volume 4, 5/e by WB McKay 2012 	

B. Voc.- Interior Design

Semester : 3– Skill Component Subject

Subject - Computer – AUTO CAD- 2D-I

Code no.	BVID-304	Credit- T-2, P-4= 4
Course Objectives	1. Objective- to study 2D drafting basics on Auto CAD.	
Learning outcomes	<ul style="list-style-type: none"> • Utilize CAD software for scaled drawings. • Use graphic symbols for interior material finishes. • Sequence dimension techniques and annotations. • Construct drawings sets using Computer Aided Drawing (CAD) programs 	
Course content	<p>1.Auto Cad 2d drafting</p> <p>Introduction of cad -Draw tool</p> <ul style="list-style-type: none"> • Modify tool • How to write text & types of text • Presentation of 2D drawing through hatches & learns different type of hatch • How to set the setting of the drafting & change the drawing unit <p>2. Auto Cad 2d drafting advance tools</p> <ul style="list-style-type: none"> • Create Isometric • Dimensioning of the drawing & create dimension style • Creation of block, • Insertion of the block • How to layout & plot in CAD 	
Assignments	1. Layout plan of Interior Space with all text and dimensioning.	
Reference Books	1. Computer Aided Design Guide for Architecture, Engineering and Construction by GhassanAouad, Song Wu, Angela Lee and Timothy Onyenobi (Hardcover - 12 January 2012)	

B. Voc.- Interior Design

Semester :3- Elective course Discipline Centric

Subject - **Environmental Psychology**

Code no	BVID-305	Credits- T- 3, P- 2= 4
Course Objectives	To understand the interrelationships among the physical environment, individual differences, and human behavior and experience and various environmental issues	
Learning outcomes	Gain knowledge and understanding in environmental psychology	
Course outcome	To Develop Human and environment relationship To understand the role of environment in human life	
Specific outcome	Go green – Clean city – green city	
Course content	<p>Unit I: Environment : Meaning and Characteristics, The Nature and Scope of Environmental Psychology, Historical development of EP. Environment education</p> <p>Unit II: Theoretical Approaches of EP- Relationship between Human and Environment, Approaches of study of Human and Environment. Effect of Natural environment on Human Life. Theories of Environmental Psychology- Environmental load theory, environmental stress theory</p> <p>Unit III: Methods of EP- co-relational method, natural observation</p> <p>Environmental problems: Noise, pollution, Overpopulation, crowding, effect of crowd on human life . Ecology, ecosystem</p> <p>Unit IV: The Future: work environment : work satisfaction, effect of environment on human behavior , Saving the Environment, role of media, practitioners, NGO's contribution</p>	
Assignment	<p>Classification of wastes : Domestic wastes , commercial wastes , waste of agriculture , waste from hospitals</p> <p>Management of waste</p>	
Reference Books	<p>Readings: Bell, P.A., Greene, T.C., Fisher, J.D., & Baum, A. (2001). Environmental Psychology, Harcourt, Inc.: Fort Worth, TX. Cialdini, R.B. (2003). Crafting normative messages to protect the environment, Current Directions in Psychological Science, 12(4), 105-109. Fisher, J.D., Bell, P.A., and Baum, A. (1984). Environmental Psychology. NY: Holt, Rinehart and Winston. Gallagher, W. (1994). The Power of Place. Harper Perennial: NY. Holahan, C.J. (1982). Environmental Psychology. NY: Random House.</p>	

B. Voc. - Interior Design

Semester :3- Elective course Discipline Centric

Subject - **LIFE SKILLS EDUCATION**

Code no.	BVID- 306	Credits- T- 3, P-2= 4
Course Objectives	To enable students to: Understand and enhance life skills• Develop knowledge, understanding and skills in the management of issues• related to personal growth and development. Develop skills, and responsible values and attitudes, that enhance the quality of interpersonal relationships	
Learning outcomes	<ul style="list-style-type: none">• Gain knowledge and understanding in order to make informed health and lifestyle decisions	
Course content	<ul style="list-style-type: none">• Life skills-meaning, definition, importance, WHO life skills• Life skills education-meaning, definition importance and goals• Three basic categories of life skills - Social or interpersonal skills (Communication Skills, Assertiveness• Skills, Cooperation Skills, Empathy) Cognitive or thinking skills (Problem Solving, Critical Thinking ,• Creative Thinking, Decision Making, Self Awareness) Emotional skills (Managing Stress, Managing Emotions, Resisting peer pressure)• Communication skills- Meaning and definition• Types and levels of communication• Barriers to communication• Ways to improve interpersonal communication and public speaking• Understanding conflict in relationships, causes of conflict and steps for managing and resolving conflict, the five styles of conflict resolution and healthy ways of avoiding conflict in relationships. Career guidance: Need and Importance of Career Guidance, Exploring career options, Deciding a career, Career Guidance Centre, Resume Writing, Job Search Method and Interview Facing	
Reference Books	Berk, L.E., (2007), Development through the Life Span, Pearson Education, New Delhi. Devadas, R.P; Jaya, N(2002), A Textbook on Child Development, Macmillan India Limited, Madras. DigumartiBhaskara Rao (1997), Care of the Child, vol and II, Discovery Publication House, New Delhi. JegannathMohanty and BhagyadharMohanty (1994), Early Childhood Care and Education (ECCE), Deep and Deep pub,New Delhi. Hurlock, E.B., (2004), Child Growth and Development, Tata Mc.Graw Hill Company Papalia, D.E., and Olds, S.W., (2005), Human Development, Tata Mc.Graw Hill	

Elective Generic course

Subject- Basics of Interior Design

Code no.	BVID -307	Credits- T-1, P-6= 4
Course Objective- 3. To gain knowledge of cloths color shading with different medium. 4. To gain knowledge of different types of drawing and painting techniques		
Unit – 1	Design Fundamentals 30 Objectives of Art• & Interior Design. Types of Design: Structural• & Decorative. Elements of Content: Space, Point, Line, Shape, Form, Texture, Light• & Color. Elements of Order: Scale, Similarity, Proximity, Sequence, Trends, Themes, Geometrical• Organization. Principles of Composition – Rhythm, Balance, Proportion, Emphasis, Unity, (Variety,• Simplicity/Economy, Suitability). Composition of a Drawing – Harmony, Clarity, Adequacy. • Color• & its Application. o Dimensions of color. o Importance of color & its role in creation of the design. o Color systems & Theories. o Color Harmonies. o Principles of Design as applied to color use. o Color Forecasting Design Drawing – Drawing as a language to explore• & communicate Ideas.	
Unit- 2	Furniture & Furnishings: Historical Perspectives & Contemporary Trends 26 History of Interior Design – including periods like Mughal Architecture, Colonial style,• Renaissance. Architectural Styles –based on themes and main periods, like post Renaissance and• modern style. Contemporary Trends in Interior Design with respect to furniture, furnishings• & accessories. Furniture – Types, Construction, Selection and purchase, Arrangement, Care and• maintenance Furnishings – selection, care and maintenance of fabrics used for -• o Soft furnishings: curtains and draperies, upholstered furniture, cushions and pillows, etc. o Floor coverings Accessories – Uses, Classification, Design, Selection• & Arrangement	
Unit – 3	Traditional and Modern Surface Finishes – types and uses o Furniture o Wall o Floor o Ceilings o Roofing Lighting applications (Energy efficient lighting design – number and type of lamps and• luminaires for efficiency in lighting). Accessories – Uses, Classification, Design, Selection• & Arrangement	
Practical	Drawing – Introduction to drawing instruments & tools (manual & computer tools) 2 - Drawing lines (freehand & with drawing instruments) - both 2-dimensional & 3-dimensional - Lettering - Sketching (figures, buildings, trees & plants, vehicles) - both 2-dimensional & 3- dimensional - Rendering for different surfaces such as trees, brick, grass, water, wood, stone, earth, concrete using Water Colours, Stubbing, Pencil Colours Preparation of catalogue comprising pictures denoting application of Art• & Elements of Design; Colour - Colour Wheel, Dimension & Harmonies of Colour. 2 Floor plans with rendering (Theme based- Manual/Computer aided) 3• Elevation• & perspective plans with rendering (Manual/Computer aided) 2 Furniture• & furnishing plans of specific areas- Critical Analysis 2 Preparation of portfolio based on historical designs• & market review of furniture and furnishing materials (upholstery, curtains and draperies, bed & table linen) 3 - Wall coverings & decorations (pictures, etc) - Floor coverings & decorations - Window & door treatments - Lighting systems - Artifacts	

	(sculptures, ceramics/terracotta, handicrafts, flower arrangements, etc.) - Fittings and fixtures - Wood and its substitutes.
Reference Books	Lawrence M, (1987), Interior Decoration, New Jersey: Chartwell Books. Riley• & Bayen., (2003), The Elements of Design, Mitchell Beazley.

B. Voc.- Interior Design

Semester :4- Skill Component Subjects

Subject - Design –IV

Code no.	BVID-401	Credits- T-2, P-6= 5
Course Objectives	<ol style="list-style-type: none"> 1. Space making in order to understand elements and organization. 1. Visual perception of Interior Spaces for large spaces. 2. Way of analyzing furniture forms and designing furniture forms scientifically based on ergonomics, materials design and working 3. Parameters and visual perception of furniture as a single form and as a system in a given interior space. 	
Learning outcomes	<ul style="list-style-type: none"> • Studies of highly complex and complicated spaces and designs. • Design of large scale and specialized multi- functional interior spaces like Auditorium, museums, shopping and entertainment malls, hospitals Administrative buildings, hospitality etc. 	
Course content	<ol style="list-style-type: none"> 1. Efficiency in space planning. Qualitative aspects and relationships of spaces, seats of space for movement. 2. Modulation of space and form, organizational character suited to functionalism. 3. Exploring design process through sketches, drawings and models. 4. Analysis of existing space - built form. 5. Measure drawing of a piece of furniture - plan, elevations and details drawings on full scale. 	
Assignments	<ol style="list-style-type: none"> 1. medium scale commercial unit e.g. Beauty parlor, CA Office 2. Case study 	

	<ol style="list-style-type: none"> 3. Designer chair with all workings. 4. Designer foot stool with all workings. 5. Designer sofa with all workings.
Reference Books	<ol style="list-style-type: none"> 1. . Ahmed Kasu ,Interior Design, Standard publication, N.Delhi ,4th Edition 2004 wood Working Techniques- Broun, Jeremeny 2. Designing Smart Homes: The Role of Artificial Intelligence by Juan Carlos Augusto and Chris D. Nugent : 2006) 3. Designing User Friendly Augmented Work Environments by SaadiLahlou (October 2009)

B. Voc.- Interior Design

Semester: 4- Skill Component Subjects

Subject - Services – II

Code no.	BVID-402	Credits- T- 4, P-0= 4
Course Objectives	<ol style="list-style-type: none"> 1. To introduce various services this puts luxury and hygiene to the life. 2. To introduce the safty services and techniques to reduce chances of any human disaster/ hazard. 	
Learning outcomes	<ul style="list-style-type: none"> • To study Advance building services like.:Vertical transportation, etc.to study of different type of systems used for high rise structures like water supply system(hot & cold) , fire protection system , ducts , drainage system ,garbage system, refuse chutes etc. 	
Course content	<p>1. Sanitation</p> <p>*Drainage: Refuse, different forms of refuse garbage, spoilage, toilet waste and storm - water and disposal system. General principles</p> <p>Of drainage, and drainage lines.</p> <p>*Connection to out-door drainage system, size requirements calculations, types of pipe available in market.</p> <p>*Bathroom-Interior layouts, extensive market survey of product available, economies</p>	

	<p>of products available, how to fix products with</p> <p>Other finishing materials.</p> <p>2. Air Conditioning – Various types and uses, Calculation of capacity.</p> <p>3.Acoustics- Uses and requirement, Acoustical Materials</p> <p>4. Fire Safety- Building design for safety, Various supplementary fire fighting equipment according to use of building.</p>
Assignments	1. Sewage plan of residence
Reference Books	1. Building Services Handbook (6th edition) by Fred Hall and Roger Greeno :

B. Voc.- Interior Design

Semester :4- Skill Component Subjects

Subject - Building Construction – III

Code no.	BVID-403	Credits- T- 1, P- 6= 4
Course Objectives	2. To study about the multiple floor level units and construction techniques.	
Learning outcomes	<ul style="list-style-type: none"> • Identify the varied types of stair design and draw construction plans. • Label the different types of flooring systems, design and calculate material needed and then explain the assembling and finishing of floor systems. 	
Course content	<p>1. Stair cases – simple staircase in R.C.</p> <p>2. Layout of stair cases – types of stair cases methods of calculating treads and risers – definition of various parts & terminology.</p> <p>1. Floors – various type of floor finishes and their constructional details. Wood, pace, tiled (vitrified, ceramics etc.), linoleum, rubber & other materials.</p>	
Assignments	<p>1. Types of staircases</p> <p>2. Staircase details – R.C.C.</p> <p>3. Wooden Floors</p> <p>4. R.C.C. Floors and floor finishing sections.</p>	
Reference Books	<p>1. Building Construction – Sushil Kumar</p> <p>2. Building Construction: Metric Volume 1, 5/e by WB McKay 2012</p>	

	<p>3. Building Construction: Metric Volume 2, 5/e by WB McKay 2012</p> <p>4. 2. Building Construction: Metric Volume 3, 5/e by WB McKay 2012</p> <p>5. Building Construction: Metric Volume , 5/e by WB McKay 2012</p>
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B. Voc.- Interior Design

Semester :4- Skill Component Subjects

Subject – AUTO CAD – 3D-II

Code no.	BVID-304	Credits- T- 2, P-6= 5
Course Objectives	1. To study preparing presentation on 3D auto CAD	
Learning outcomes	<ul style="list-style-type: none"> • Develop three-dimensional models to create photorealistic renderings. • Utilize CAD software to create models. • Light three-dimensional interior spaces including furniture, lighting, and background. • Texture and create scenes in three-dimensional environments. • Evaluate software for effectiveness in drawing appropriate models and environments for rendering. 	
Course content	<p>Auto Cad 3d modeling</p> <ul style="list-style-type: none"> • Introduction of 3d surfaces • 3d views • Standard primitives • Introduction 3d solid • Deriving primitive • Boolean options • UCS icon &property • Solid modifiers • Mass property • Material mapping • Apply light & shadow on the object • Rendering • Import-Export of the drawing 	
Assignments	1. Prepare 3D modal of a residence showing all room and spaces.	

Reference Books	1.DataCad for the Architect (Computer graphics technology and management series) by Carol Buehrens (Paperback - 14 June 1989)
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Elective course Discipline centric

Subject- Computer & Digital Communication

Code- BVID -405	Credits- T-2, P-4= 4
<p>Course Objective- 1. Understanding the concept of information technology & its scope. 2. Information technology has great influence on all aspects of life, it is essential to expose various aspects of information.</p>	
Unit – 1	<p><i>Computer Fundamentals</i></p> <ul style="list-style-type: none"> • Overview to computer system • Characteristics of computer • Types of computer Desktop, Laptop, <ul style="list-style-type: none"> □ 4 Palmtop, PDAS, Tablet PC
Unit- 2	<p>Classification of computer</p> <ul style="list-style-type: none"> • Super Computer, Mainframe Computer • Mini-Computer, Micro-Computer) • Classification of Hardware, 4 Software and firmware
Unit – 3	<p>CPU (Inter Process of P.I to P.IV, Parallel processing)</p> <ul style="list-style-type: none"> • Mother Board • Memory : Storing information • Memory for organizing data cards.
Unit - 4	<ul style="list-style-type: none"> • Primary : RAM, ROM, • Registers, Cache) • Secondary : (Magnetic storage device, Diskette Drives, Hard Disk

	<ul style="list-style-type: none"> • Tape Drives, Optical Storage Device, Flash drive) • Bits, Bytes, KB, MB, GB, NB
Practicals	<p>Microsoft windows (O.S.) :</p> <p>Starting OS, The start Button, Arranging windows, shortcuts, shutting down OS, OS tools, My Computers windows Explorer, copying files, using send to creating, remaking, Moving copying Deleting folder and files.</p> <p>Word Pad : Opening and saving file, editing Documenting and formatting text, Previewing and printing document.</p> <p>Paint :</p> <p>Opening and saving file, learning of tool Bar, creating and editing a design, color Theory, Mirror, Rotating and flipping the Images.</p> <p>MS - Word : Introduction to word processing, introduction to MS-Word, creating and formatting a document, features of MS-Word, Auto-text and Auto Correct, Grammar and spell check, chaning font and type size. Inserting and sizing, graphics, working all the tool bar. Opening and saving a.</p> <p>MS Excel : Document, Printing and previewing a document creating Tables, Auto formatting Tables, finding and Replacing Text</p> <p>Introduction of Electronic spread sheet Introduction of MS Excel creating and formatting a worksheet. Features of MS-Excel Inserting Data into worksheet. Entering formulas and function. Types of chartes, creating Charts, Moving and Sizing Charts, Copying a chart, using AutoFill.</p> <p>Microsoft-Power Point :</p> <p>Introduction of presentation program, introduction to Microsoft, Power-point, creating a presentation. Featurs of</p>

	<p>power point Auto content wizard, viewing and editing a presentation, Insertion pictures and clip Arts, Opoening saving and printing a presentation, creating and enhancing a table, slide layout, modify the slide and title master, Adding transition and Build effect.</p> <p>Internet :</p> <p>What is internet History and uses of Internet, connecting of Internet, Dial-up Access and Direct Access, Domains and Address, DNS and IP Address, using the world wide web, Internet Browser and Browsing the web, service on Internet, E-mail services, Search engines, chat services.</p> <p>Exercise to be done :</p> <p>Paint for Ex. :</p> <p>Preparing design for handkerchief, Scarf, Dress Material, Furnishing fabrics, Shirting and Suitings, Embroidery applique work, Jewelry.</p> <p>Word for Excel. :</p> <p>Designing greeting card, visiting card, letter head, poster, advertisement. Preparing work sheet, graphical representation. Powerpoint : Presentation based on defects of fabric, Traditional fabrics, traditional sarees, flow charts spinning weaving, carpets, Rugs, fashion designers, fashion show.</p>
<p>Reference Books</p>	<p>Bride M.Whelan, Color Harmony a guide to creative Color Combinations James Stockton Vol.1-5 - Designer guide to Color Bhagwat Gajanan - Arwind Desai Kitab Arts S.V.Bapat Basic Design & Anthropolmetry</p>

Elective course Discipline centric

Subject- Positive Psychology

<p>Code- BVID -406</p>	<p>Credits- T-3, P-2= 4</p>
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Course Objective- 1. Understanding the concept of Positive Psychology & its scope. 2. To study the applications of positive psychology in various domains.	
Unit – 1	<ul style="list-style-type: none"> □ Introduction: Positive Psychology, Perspectives on Positive Psychology: Character Strengths and virtues.
Unit- 2	Happiness and Well being, Emotional Intelligence, Resilience, Self-efficacy, Optimism, Hope, Wisdom, Mindfulness.
Unit – 3	<ul style="list-style-type: none"> ● Applications: multicultural context, disability, ageing
Unit - 4	Applications: Work, education, health. Practicum: Any one practicum can be designed from the syllabus provided so as to enhance the understanding of the concepts and applications of positive psychology
References	Baumgardner, S.R. Crothers M.K. (2010). Positive psychology. Upper Saddle River, N.J.: Prentice Hall. Carr, A. (2004). Positive Psychology: The science of happiness and human strength.UK: Routledge. Peterson, C. (2006). A Primer in Positive Psychology. New York: Oxford University Press. Seligman, M.E.P. (2002). Authentic Happiness: Using the New Positive Psychology to Realize Your Potential for Lasting Fulfillment. New York: Free Press/Simon and Schuster. Snyder, C.R., & Lopez,S.J.(2007). Positive psychology :The scientific and practical explorations of human strengths. Thousand Oaks, CA: Sage. Snyder, C. R., & Lopez, S. (Eds.). (2002). Handbook of positive psychology. New York: Oxford University Press

B. Voc.- Interior Design

Semester :4- Elective Generic Subject

Subject – **Waste to wealth**

Code no.	BVID- 407	Credits- T- 1, P- 6= 4
Course Objectives	1. To study the applications of waste in various domains in creative way	
Course content	PRACTICAL 1. Explore kind of waste available/generated by people. 3 2. Explore ideas for reusing and recycling the waste generated by residents.	

	<p>3. Case profile of success stories of waste to wealth.</p> <p>4. Develop prototype/ project for reuse and recycling of waste.</p>
Assignments	
Reference Books	<p>Lal, Banwari & Sarma, Priyangshu M. (2011) Wealth from Waste: Trends and Technologies, 3rd ed. New Delhi: The Energy and Resources Institute. McDonough, William and Braungart, Michael. (2002). Cradle to Cradle: Remaking the Way We Make Things, United States: North Point Press.</p>

B. Voc.- Interior Design

Semester : 5- Skill Component Subjects

Subject - Design –V

Code no.	BVID- 501	Credits- T-2, P-6= 5
Course Objectives	<p>1. To understand and design approach and space planning through furniture as elements of design.</p>	
Course content	<p>1.Modular in furniture design, its relationship to human ergonomics, survey of various modular system available for different Functions in market.</p> <p>2. Modular system of storage elements - closets, kitchen cabinets, displays etc.</p> <p>3. Modular approach in setting elements styles and types of units available in market.</p> <p>4. Modular approach and multiple uses of furniture forms.</p> <p>5. Exploration of wood, metal, glass, plastics and F.R.P. as materials for system design.</p> <p>6. Harmony through module, through materials, through details - evolving coordinated system for entire space. Drawings, details,</p>	

	<p>Working prototype model.</p> <p>7. Cost criteria of design, furniture for lower income sectors of society.</p>
Assignments	<p>1. Mass scale design problem including front elevation.</p> <p>2. Simple unit of furniture according to any Indian traditional furniture making technique.</p> <p>3. Stylish designer units.</p>
Reference Books	<p>1. Time Saver Standards For Interior Design and Space Planning by Joseph De Chiara and Julius Panero :2011 (Edition Second)</p> <p>2. Kitchen Creation – Zaccarini and Jane</p>

Semester :5- Skill Component Subjects

Subject – Auto CAD – 3D MAX-III

Code no.	BVID-502	Credits- T-1, P- 6= 4
Course Objectives	To study the basics of 3ds Max to improve presentation techniques and make easy communication with client.	
Learning Outcomes	To add realistic touch to the view of 3ds max.	
Course content	<p>MAX</p> <p>Creation of the 3D object</p> <ul style="list-style-type: none"> • Modification of the object • Modify with patches • Compound objects • Setting of Lights • Material Editing • Effects of Lights • Setting of the Camera • Environment & walkthrough 	
Assignments	<p>1. Create 10 Interior furniture and fittings.</p> <p>2. Create modal of an exterior.</p> <p>3. Crate 3ds well rendered view of a public place including Interior and exterior.</p>	

Reference Books	<ol style="list-style-type: none"> 1. Mastering Autodesk 3ds Max 2013 by Jeffrey Harper 2. 3ds Max 2012 Bible - Kelly L. Murdock

B. Voc.- Interior Design

Semester : 5- Skill Component Subjects

Subject - Professional Practice & Estimating and Costing - I

Code no.	BVID - 503	Credits- T- 1, P-6=4
Course Objectives	<ol style="list-style-type: none"> 1. Introduction to professionalism, design practice, working of a design organization. 1. To let the students understand the role of interior designer as Professional. 	
Learning outcomes	<ul style="list-style-type: none"> • Distinguish the differences and similarities between interior design specialties. • Develop a resume, cover letters, and follow up letters. • Design professional identities using self-branding. • Develop interview skills and professional demeanor. • Dress appropriately for interviews. Develop relationships with allied professions. • Introduction to professionalism, design practice, working of design organization • The profession of interior design. • Professional preparation- Education preparation ,professional association • Characteristics of interior designer. • Office management-clients, site management, professional correspondence, recruitment of staff etc. • Estimation of Interior space 	
Course content	<ol style="list-style-type: none"> 1. Job procedures and opportunities 2. code of practice 3. Duties and liabilities of Interior Designer. 4. Relationship with client and contractor. 5. Types of contracts and tender documents. 6. Office management systems 	

	<p>7. Duties, liabilities, IIDD code of professional conducts.</p> <p>8. Condition of engagement of Designer.</p> <p>9. Banking system – Loan, cash transfer modes etc.</p> <p>Specifications: Different types (closed, open etc.), Importance of specification, Writing specifications and brief specifications with introduction to bill of quantities(BOQ), studying existing specifications for selected items, writing specification for items of project taken in previous semester.</p> <p>2. Typical specifications for different Interior materials.</p> <p>3. Tenders - Definition - Types of tenders - Procedures for opening of tenders.</p> <p>4. Estimating - Definition - Units of measurement - Rates - Problems in rate analysis - Types of estimates - Thumb Rules</p>
Assignments	<p>1. Prepare own resume for job.</p> <p>2. Prepare a proper advertisement for a job vacancy in your office.</p> <p>3. Estimating and costing: Different methods of estimation (per unit area, item based), units of measurement of different interior items, analysis of rates and preparing spreadsheet.</p>
Reference Books	<p>1. PROFESSIONAL PRACTICE FOR Interior Designers Third Edition by Christine M. Piotrowski, ASID, IIDA</p> <p>2. The Handbook of PROJECT MANAGEMENT A practical guide to effective policies, techniques and processes by Trevor L Young; revised second edition</p> <p>3. Construction estimating and costing by Frank W. Helyar McGraw-Hill Ryerson, 1978</p> <p>4. A textbook of estimating and costing by M. A. Aziz</p> <p>5. Zoberi Publisher, 1967</p>

B. Voc.- Interior Design

Semester : 5- Skill Component Subjects

Subject - **Working Drawing**

Code no.	504	Credits- T- 2, P- 6= 5
Course Objectives	1. Technical presentation of design at built form level, finishing level, product and furniture level.	
Learning outcomes	<ul style="list-style-type: none"> This subject provides the technical base for the execution of the designer's ideas. He has to learn to make technical drawings explaining to the workmen how execute the design in actual. 	
Course content	Prepare working Drawing of projects 1. Architectural Drawings. 2. Furniture Details 3. Finishing details. 4. Layouts of various products and their details. 5. Material, colour and texture details. 6. Building services details and fixture layouts for various areas.	
Assignments	Working drawings of the project previously designed by the students.	
Reference Books	1. Ahmed Kasu ,Interior Design, Standard publication, N.Delhi ,4 th Edition 2004 2. The Architects' Handbook Blackwell Science I edited by Quentin Pickard 2002,2003	

Elective Course Discipline centric

Subject- Digital Skill and Cyber Safety

Code- BVID -505		Credits- T-3, P-2= 4
Course Objective- 1. To impart basic knowledge about digital skills. 2. To provide students with the knowledge about cyber safety		
Unit – 1	➤ Basic Knowledge of digital era. <ul style="list-style-type: none"> Introduction Formal internet skills 	

Unit- 2	<ul style="list-style-type: none"> • Safe usages of smart devices • Safe usages of internet communications
Unit – 3	<ul style="list-style-type: none"> • Sharing, Browsing and entertainment • Beginner’s guide to cyber security
Unit - 4	<ul style="list-style-type: none"> • Digital Economy <ul style="list-style-type: none"> • Smart uses of social media. • Basic knowledge about Web Design and Development
Reference Books	Digital Skills(2014): Alexander, J.A.M., VanDeursen,; PALGRAVE, MAMILLAN, New York

Elective Course Discipline centric

Subject- Retail Design

Code- BVID -506	Credits- T-3, P-2= 4
Course Objective- 1. To impart basic knowledge about retail design . 2. To provide students with the knowledge about case study	
Course Content	<ul style="list-style-type: none"> • Introduction to Retail Design - Importance of retail design 1 Types of retail and commercial spaces – Field visits 2• Consumer buying decisions and influencing factors – Survey 2• Layout plan and store design – Survey 2• Elements of store design in a retail such as lighting, colour, music, props, accessories, etc.-• Observation 3 Project - Case study of store layout (Interactive)•
Reference Books	Mitton Maureen. (2004) Interior Design Visual Presentation: A Guide to Graphics, Models and Presentation Techniques, 2nd ed. New Jersey: John Wiley and Sons. Balaji, Tuli S. (2005). Retail Management

Elective Generic subject

Subject- Entrepreneurship Development

Code- BVID -507		Credits- T-2, P-4= 4
Course Objective- 1. To impart basic knowledge about digital skills. 2. To provide students with the knowledge about cyber safety		
Unit – 1	Entrepreneurship Development - Entrepreneurship- concept, definition, need and significance of entrepreneurship• development in India, entrepreneurship growth process, barriers, entrepreneurship education model. • Entrepreneur-their characteristics, types, gender issues, role demands and challenges. Entrepreneurial Motivation. • Challenges faced by Women Entrepreneur•	
Unit- 2	Enterprise Planning and Launching - Types of enterprises classification based on capital, product, location, ownership pattern• and process Sensing business opportunities and assessing market potential; market research• Appraising of project and feasibility•	
Unit – 3	Enterprise Management and Networking - Managing Production• - Organizing Production; input-output cycle - Ensuring Quality Managing Marketing• - Understanding markets and marketing - Functions of Marketing - 4Ps of Marketing(same as marketing mix)	
Unit - 4	Financial Management - Meaning of Finance - Types and Sources of Finance - Estimation of project cost - Profit Assessment Networking of Enterprises•	
Practical	1. SWOT analysis with respect to entrepreneurial competencies through case profiling of successful entrepreneurs and enterprises. 2. Achievement Motivation lab-development of entrepreneurial competencies 3. Survey of an institution facilitating entrepreneurship development in India. 4. Preparation of business plan.	
Reference Books	Gundry Lisa K. & Kickul Jill R.,2007, Entrepreneurship Strategy: Changing Patterns in New Venture Creation, Growth, and Reinvention, SAGE Publications, Inc. Taneja• & Gupta, 2001, Entrepreneur Development- New Venture Creation, Galgotia Publishing Company	

B. Voc.- Interior Design

Semester: 6- Skill Component Subjects

Subject - Design –VI

Code	BVID -601	Credits- T- 1, P-6= 4
Course	1. To make student capable of doing Independent Projects. (Major Project +	

Objectives	thesis)
Learning outcomes	<ul style="list-style-type: none"> This continues to be the main subject in the curriculum. Interior design problems of highly complex nature are to be tackled by the students. Thesis :Students are expected to enter in highly competitive professional world after completing this project work so he expected to put all his efforts with skills regarding design, working details, technology, materials, and computers.
Course content	<p>1. Interiors spaces Shopping malls, Streets, Town squares, Fair grounds, Amusement parks.</p> <p>2. Interior of Public utility space Air ports, Bus stops, Railway stations, Boats/ports.</p> <p>3. Actual prototype sampling of spaces and products. Visualization of total display system.</p>
Assignments	<ol style="list-style-type: none"> Case study Final major Project with all details. Working Drawing of the project.
Reference Books	<ol style="list-style-type: none"> The Project Management Life Cycle by Jeson Westland - 2006

B. Voc.- Interior Design

Semester : 6- Skill Component Subjects

Subject - Landscape Design

Code	BVID -602	Credits- T- 2, P- 2= 3
Course Objectives	<ol style="list-style-type: none"> Transformation of interior spaces through natural elements of design - Interior landscaping. To Study of plants, their form related to interior & outdoor herbarium, layout, drawing. • To Study of plants/ trees-Designing outdoor, gardens, fountains, indoor and outdoor landscape, features its construction- electrification – services. 	
Course content	<ol style="list-style-type: none"> Types of Natural Elements - stones, rocks, pebbles, water forms, plants and vegetation. Landscaping design parameters for various types of built forms - Ind 	

	<p>oor x Outdoor linkage to spaces.r - 3. Landscape of courtyards - Residential form and commercial forms.</p> <p>4. Indoor plants and their visual characteristics - colour, texture, foliage. Science of growing and maintaining greenery.</p> <p>5. Product survey of market availability and cost criteria.</p>
Assignments	<ol style="list-style-type: none"> 1. Case study 2. Landscape design for the above project.
Reference Books	<ol style="list-style-type: none"> 1. Tropical Garden Plants in Colour - Bose and Choudhary 2. Alexander, Christopher et al A Pattern Language: Towns, Buildings, Construction (Oxford University Press, New York, 1977) 3. Appleton, J. The Experience of Landscape John Wiley London 1975

B. Voc.- Interior Design

Semester : 6- Skill Component Subjects

Subject – Internship

Code	BVID-603	Credits- T-0, P- 16= 8
Course Objectives	<ol style="list-style-type: none"> 1. State of Interior Design profession in today's' business world and design world. 2. More emphasis on site supervision. 	
Learning outcomes	<ul style="list-style-type: none"> • Acquire the ability to function and grow in a professional working environment. • Apply knowledge learned , Prepare project documentation that meets professional expectations of supervisors • Present projects to clients, supervisors 	
Course content	<ol style="list-style-type: none"> 1.Understanding of "Professional Practice" methods of various interior designers <ul style="list-style-type: none"> - Design process from first client contacts to Production documents, tender documents for various work involved, production drawings for various work, site supervision. 2. 	

	Coordination of various agencies - client, members of design team, consultants, contractors, craftsman and construction supervisor.
Assignments	Office Practice Report 1. Project brief, detailed design and drawings worked on, site supervision reports. 2. Brief assessment of projects worked on & experience gained.

B. Voc.- Interior Design

Semester : 6- Skill Component Subjects

Subject – **Workshop / Industry Project**

Code no.	BVID-604	Credits- T-0, P- 6= 3
Course Objectives	To study of actual of a drawing and develop a sees of combination of different elements in a design of design.	
Course content	Design of furniture piece and all its working and learn the actual working.	
Assignments	Prepare a prototype modal of any furniture piece Construct a original piece of furniture	

B. Voc.- Interior Design

Semester : 6- Elective Course discipline centric Subjects

Subject – **Space Planning and Design**

Code no.	BVID -605	Credits- T-3, P- 2= 4
Course Objectives	To study of actual of a drawing and develop a sees of combination of different elements in a design of design.	
Course content-Unit -1	Basic Concepts in Space Planning and Design , Concept of house, housing, architecture;• Functions and concept of adequacy of space• Characteristics of space, principles of planning spaces; planning and designing• Types of house plans: floor, elevation, structural drawings and perspective plans• Types of houses: Row, Semi-detached, detached, independent houses or flats/apartments,• multi-storeyed buildings Basic norms and space standards in operation – NBC and MPD• Structuring spaces: indoor and outdoor; space articulation: zones in spatial planning. • Analysis of furniture needs of different zones in a house/workstations• Green	

	rating systems – GRIHA and LEED.
Unit- 2	Building Construction Techniques And Technologies: Innovations For Sustainable Development , Classification of building materials – Conventional/Non-Conventional• Site selection – Factors• Foundation – Purpose, types of foundations, reasons for failure of foundation• Damp-proofing and water-proofing - defects, sources and treatment. • Masonry- types• Flooring - types• Roofs- types• Lintels and Arches- definitions and purpose• Doors and Windows- types• Staircase - types• Partitions and Panelling - types• Cost economy in construction• Concept and scope of pre-fabrication and modular housing•
Unit -3	Interior Environment and Services: Climatic Considerations , HVAC• Lighting: types of lighting systems• Water and Plumbing systems, water harvesting. Insulation: sound and thermal – materials used and types of insulation•
Assignments	1. Housing by-laws and symbols, Different types of plans 2. Critical Evaluation of independent houses and apartments. , 3. Identification of building materials and evaluation concerning their characteristics (favourable and unfavourable features), uses and applications, cost and environment friendliness. 4. Evaluation of buildings on energy efficiency parameters using green rating systems like GRIHA and LEED. ,5. Observe and prepare house plans for different income groups up to 100 sq.m area (Computer aided /manual).
References	Adler, David., 2004, Metric HandBook planning & Design, Architectural press. Kumar, Sushil, 2008, Building Construction, Standard publisher. •

Semester : 6- Elective Course discipline centric Subjects

Subject – Family Finance & Consumer Studies

Code no.	BVID -606	Credits- T-3, P- 2= 4
Course Objectives	To study of actual of a drawing and develop a sees of combination of different elements in a design of design.	
Course content-Unit -1	Income and Expenditure ,Household Income – Types, Sources, Supplementation of family income, use of family• income, budgets, maintaining household accounts Factors influencing expenditure pattern• Family savings and investments- need ,principles, channels of investment, tax• implications Consumer credit- need, sources, credit cards, Housing finance• Personal finance management – tax implications, calculation of personal income tax,• Guidelines for wise buying practices•	
Unit- 2	Consumer in India: Consumer problems and education , Definition of a consumer• Role of consumers in the economy, National Income, Per Capita Income, Household wise•	

	<p>distribution of income Changing nature of the business world –e-commerce, e-business• Types of consumer problems – products and service related, investment and• infrastructure related, Causes and solutions Consumer education and empowerment•</p>
Unit -3	<p>Consumer Protection, Consumer protection• Consumer rights and responsibilities• Consumer organizations – origin, functioning, role and types. • Consumer cooperatives – role, history and growth in India, PDS Kendriya Bhandars. • Basic legislative framework for consumer protection in India, Consumer Protection Act 1986 COPRA, Alternative redressal mechanisms, Mediation centres Standardization and quality control measures: ISI, FPO, AGMARK, ISO, Eco mark, • Wool mark, Silk mark, Cotton mark, Handloom mark, BEE star labeling and others</p>
Assignments	<p>Evaluation and designing of advertisements in the print media including products, services and social ads. 2. Evaluation and designing of informative and attractive labels of different type of food products. 3. Case study of banks and post offices to understand their services and products, Learning to fill different bank forms 4. Analysis of consumer redressed through case study approach under CPA. 5. Food adulteration tests</p>
References	<p>Khanna S.R., Hanspal S., Kapoor S. &Awasthi H.K., 2007Consumer Affairs, Universities Press India Pvt. Ltd. Sawhney, H.K. • & Mital, M.,2007, Family Finance & Consumer Studies, Elite Publishing House Pvt. Ltd. Seetharaman, P. and Sethi, M.,2001, Consumerism: Strength and Tactics, New Delhi: CBS• Publishers.</p>

