

UNDER MULTIPLE ENTRY AND EXIT IN ACADEMIC PROGRAM



MATS University, Raipur

School of Fashion Designing & Technology

PROGRAMME NAME
Bachelor of Science (B.Sc.)

Interior Designing & Decoration (IDD)
As per
New education policy (NEP)

UNDER MULTIPLE ENTRY AND EXIT IN ACADEMIC PROGRAM

Regulations
Of
Schemes of study and syllabi
Effective from the academic year 2024

UNDER MULTIPLE ENTRY AND EXIT IN ACADEMIC PROGRAM

Introduction:

This program emphasizes the student to pursue a professional career with a sound foundation in critical thinking , analysing and solving design problems with acumen , communication skills , managerial skills so that they could interact with architects , designers and the clients with confidence.

1. Scope and Content

1.1 The Regulations documented here are applicable for Degree- Interior Designing programme, offered by the University.

1.2 The applicability of the Regulations must be understood in the context of the given Scheme of Study and Syllabus of the programme.

1.3 The Regulations given here are in addition to the rules and regulations notified at the time of admission.

1.4 The authorities of University may modify, add, delete, expand or substantiate any part of the Regulations and syllabi, at any time.

2. Course Content

The programme shall be for duration of VIII semesters, spread out in four years honours. Each semester of the programme shall consist of either all or some of the following components:

- a) Major Subjects- Disciplinary & Interdisciplinary**
- b) Minor Subjects- Disciplinary & Interdisciplinary**
- c) Value Added Courses/IKS**
- d) Ability Enhancement Courses**
- e) Internships/Field Projects**

3. Eligibility for Admission and Mode of Selection

3.1 The minimum qualification required to be eligible for admission is a pass in the HSC or 10+2 examination of a Board of a State Government, or a course recognized as equivalent thereto by the University, desirably with the relevant or related subjects as one of the subjects of study.

3.2 The method of selection for the course shall normally be by means of a Personal interview. However, the admission might also be by means of an entrance test.

4. Attendance and Examination

A student is eligible to appear for the term-end examinations, only if he/she has put in a minimum of 75% attendance in each subject individually.

5. Assessment and Examination

5.1 Assessment of Project Work

The project work will carry 50/100/200 marks (maximum). Of this, 75% marks are for the study/report and 25% marks will be awarded for performance in the viva-voce examination.

5.2 Eligibility to Appear for the Term-End Exam

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Students, who have put in a minimum of 75% attendance in each subject, shall be eligible to appear for the Term-end examination.

6. Maximum period for the complement of the Programme

The maximum period for the completion of the programme shall be Six years from the date of joining the programme.

7. General Guidelines

7.1 Academic Integrity and Ethics

- a. A students who has committed an act of academic dishonesty will be deemed to have failed to meet a basic requirement of satisfactory academic performance. Thus, academic dishonesty is not only a basic for disciplinary action but also is relevant to the evaluation of student's level of performance and progress.
- b. Where there has been violation of the basic ethos and principles of academic integrity and ethics, the Director/Board of Examiners/Course coordinator may use their discretion in terms of disciplinary action to be taken.
- c. Academic dishonesty includes, but is not necessarily limited, to the following:
 - i. Cheating or knowingly assisting another student in committing a act of cheating;
 - ii. Unauthorized possession of examination materials, destruction or hiding of relevant materials;
 - iii. Act of plagiarism;
 - iv. Unauthorized changing of marks or marking on examination records.

7.2 Attendance

- a. Student are required to attend and participate in all scheduled class sessions, guest lecturer, workshops, outbound learning programs and club/forum activities of both academic and non-academic nature.
- b. Students may be dropped from the programs due to excessive and non-intimated absences.
- c. Students must notify the program coordinator in writing, the reasons for absence, if any, from class sessions, activities and assessment components.
- d. On notification of absences (including anticipated absences) , the Director/ Programmer coordinator would determine whether the absences could be rectified or whether it is possible to satisfactorily complete the subject with the number of identified absences.

7.3 General

- a. The students are expected to spend a considerable amount of time in research, reading and practice.
- b. All students are expected to develop and maintain a positive profession attitude and approach throughout the Programme and in conduct of all other activities.
- c. Attendance alone is not sufficient. Students are expected to participate, to help the class learn and understand the topics under consideration.

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- d. Food and drinks are not permitted in the classroom / conference hall.
- e. All students are expected to dress as per stipulated dress code.

7.4 Passing Criteria

- Semester/cumulative grade point average SGPA/CGPA.
- The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a students in all courses taken by a student and the sum of the number of credits of all the courses undergone by a student ,i.e.

$$SGPA (S_i) = \sum(C_i \times G_i) / \sum C_i$$

Where C_i is the number of credits of the i th course & G_i is the grade point scored by the student in the i th course.

- The CGPA is also calculated in the same manner talking into account all the courses undergone by a student over all the semesters of a programme i.e

$$CGPA (S_i) = \sum(C_i \times G_i) / \sum C_i$$

Where S_i is the SGPA of the i th semester & C_i is the total number of credits in that semester.

Marks Secured	Grade Point	Letter Grade
80 and above	10	Outstanding(O)
70 and above but below 80	9	Excellent (A+)
60 and above but below 70	8	Very Good (A)
55 and above but below 60	7	Good (B+)
50 and above but below 55	6	Above Average (B)
45 and above but below 50	5	Average (C)
40 and above but below 45	4	Pass(P)
Below 40	0	Fail (F)
	0	Absent (AB)

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Sr.No.	Program Outcome
P01	Integrate knowledge, skill and attitude that will sustain an environment of learning and creativity with problem identification & solution in interior.
P02	Develop and integrate latest trends & materials in interior design & product design
P03	Understand the design, technology and techniques to design spaces effectively with graphical representation
P04	Understand building and safety codes, principles and practices for environmental and sustainable interior design
P05	Develop an understanding of various tools, techniques and software through visual display.
P06	Apply critical and contextual approaches across wide variety of subject matter
P07	Develop logical thinking to comprehend key facts leading to formulation of the solution process.
P08	Engage a process of research and design for holistic contribution to the profession.& Develop self-confidence and awareness of general issues prevailing in the society
P09	An ability to understand the market trends, client needs, project potentials and work with an inter disciplinary team
P010	An ability to create human responsive spaces and ensure project execution.
P0 11	The application of computer in the field of interior design is also made aware to the students and makes them understand various office documents through software.

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VISION

The vision is to create a truly global awareness that provides growth, opportunities for students in the field of designing, as well as achieving the goal of becoming the leading Fashion University across India.

Mission

- To provide challenging, creative and effective career.
- Seek to provide unique learning experience.
- To make them designers and entrepreneur.
- Specially tailored program for those students who have an interest in designing related field.

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Programme: Bachelor of Science in Interior Design & Decoration (B.Sc.IDD) Sem: I											
NHEQF Level: 4.5 Courses					Teaching Scheme			Evaluation Scheme		Total Marks	
Course Category	Course Sub Category	Course Type	Course Name	Code	Hours			Credits	CIA	ESE	
					Theory	Tutorial	Practical				
Discipline Specific Core Courses (DSCC)	Major	Theory	Basic Design	BSC DSC-005-T	2	0	0	2	15	35	50
	Major	Lab	Basic Design	BSC DSC-005-P	0	0	4	2	15	35	50
	Major	Theory	Interior Designing Fundamentals	BSC DSC-006-T	4	0	0	4	30	70	100
	Major	Project	Building Material & Market Survey	BSC DSC-007-Pro	0	0	2	2	15	35	50
	Major	Lab	Architectural Drawing	BSC DSC-008-P	0	0	4	2	15	35	50
Skill Enhancement Course (SEC)/Internship	SEC	Lab	Introduction to Computer	SEC 007-P	0	0	4	2	15	35	50
General Elective (GE)	GE	Students need to select a subject from the pool of subjects offered by different Faculty's of the university			3	1	0	4	30	70	100
Ability Enhancement Course (AEC)	AEC	Theory	Communication Skills	AEC 001-T	2	0	0	2	15	35	50
Value Added Courses	VAC	Lab	YOGA	VAC 001-P	0	0	4	2	15	35	50
					11	1	18	22	165	385	550

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Programme: Bachelor of Science in Interior Design & Decoration (B.Sc.IDD) Sem: II											
NHEQF Level: 4.5 Courses					Teaching Scheme			Evaluation Scheme		Total Marks	
Course Category	Course Sub Category	Course Type	Course Name	Code	Hours			Credits			
					Theory	Tutorial	Practical		CIA	ESE	
Discipline Specific Core Courses (DSCC)	Major	Lab	Interior Design Studio & Market Survey - I	BSC DSC-040-P	2	0	4	4	30	70	100
	Major	Theory	Building Construction & Site Visit - I	BSC DSC-041-T	2	0	0	2	15	35	50
	Major	Lab	Building Construction & Site Visit - I	BSC DSC-041-P	0	0	4	2	15	35	50
	Major	Lab	AutoCAD 2D, 3D	BSC DSC-042-P	0	0	4	2	15	35	50
	Major	Lab	Furniture Design & Joinery Details & Anthropometrics	BSC DSC-043-P	0	0	4	2	15	35	50
Skill Enhancement Course (SEC)/Internship	SEC	Lab	Product Design & Display in Exhibition -I	SEC 018-P	0	0	4	2	15	35	50
General Elective (GE)	GE		Students need to select a subject from the pool of subjects offered by different Faculty's of the university		3	1	0	4	30	70	100
Ability Enhancement Course (AEC)	AEC	Theory	Professional Communication Skills	AEC 007-T	2	0	0	2	15	35	50
Indian Knowledge System (IKS)/IKS (Core)	IKS (Core)	Theory	Ancient History of Design	VAC 005-T	2	0	0	2	15	35	50
					11	1	20	22	165	385	550

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Course Title	BASIC DESIGN (Theory)	Credits:	2
Course Code	BSC DSC-005-T		
Learning Level	BTL		
CO	COURSE OUTCOMES		PO
CO1	To understand the basics of elements and principles of design		PO 1,2
CO2	To develop the understanding of shapes in reference to elements and principles		PO 1,2
CO3	To understand space making by using solid shapes and creating visual composition		PO 2,3
CO4	To develop the vision of color and color wheel in different scenarios		PO 3,4
CO5	To develop the meaning of space in reference to color and other elements.		PO 5,6,7

Objective: Visual perception through simple design elements – Line, plane and solid perception of spaces through design elements and organization. Colour workshop – The science of colour – psychology of colours. Colour wheel, its application. Manifestation of colours & perception of colour & form.

Module I

Interiors used in Residential, Commercial and Public places. Qualities of colour – Hue, Intensity, Tone, Tints, Shade. Colour wheel. Primary colours, Secondary Colours, Tertiary Colours. Psychology of Colours. Factors influencing colour scheme. Different types of colour schemes.

Module II

Colour schemes – Monochromatic Colour Scheme, Dichromatic Colour Scheme, Polychromatic Colour Scheme, Analogous Colour Scheme, Neutral Colour Scheme, Contrasting Colour Scheme.

Module III

Colour schemes - Complementary Colour Scheme, Split Complementary Colour Scheme, Triad Colour Scheme, Cool Colour Scheme, Warm Colour Scheme, Creative Colour Scheme. Factors influencing colour scheme.

Module IV

Elements of design – Line & types of lines, Points, Shapes, Size, Direction, Form, colour, Value, Space. Alteration of Elements of Design. Modification and Transformation in the Elements. Composition of Points, Lines, Shapes and Forms. Scale – Natural, Intimate, Monument, Shocked.

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Module V

Principles of design - Background , Emphasis , Balance , Unbalance , Symmetry, Asymmetry , Rhythm/movement ,Pattern, Contrast , Harmony, Monotone , Unity ,Scale and Proportion , conflict, dominance, attention, gradation.

Reference books

1. *Design concept – Jame Mills*
2. *Architecture Form, Space: Francis D K Ching*
3. *Diagram Diaries Peter Eisenman: Resomol Scandinavia Living Design: Elizabeth Gaynor*
4. *Colour Harmony – A guide to creative colour combinations- Bride M.Whelan*
5. *Colour Kaleidoscope, Creating colour harmonies- Axel venn*
6. *Time Saver Standards – Interior Space*

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Course Title	BASIC DESIGN (Lab)	Credits:	2
Course Code	BSC DSC-005-P		
Learning Level	BTL		
CO	COURSE OUTCOMES		PO
C01	To gain knowledge on aesthetic and artistic form of art in interiors.		PO 1
C02	Student will gain practical knowledge on basic designing to full-size construction of furniture and interior decoration elements through visualization.		PO 2,3,5
C03	Student will learn to use color scheme efficiently in interiors.		PO 2
C04	Student will understand designing concept and design ideas behind Designer mirror and lamps.		PO 2
C05	Student will learn to implement shapes & forms in combination with colors in various forms of residential and commercial interiors.		PO 1,2

Objective: Visual perception through simple design elements – Line, plane and solid perception of spaces through design elements and organization. Colour workshop – The science of colour – psychology of colours. Colour wheel, its application. Manifestation of colours & perception of colour & form.

Module I

Interiors used in Residential, Commercial and Public places. Its Collection and presenting them in collage form. Visual perception skills, use of different media and techniques, Colour wheel, Primary colours, Secondary Colours, Tertiary Colours .Shade and shading techniques. Rendering techniques and use of colour in interior spaces, Qualities of colour –Tints, Shade

Module II

Colour schemes – Monochromatic Colour Scheme , Dichromatic Colour Scheme , Polychromatic Colour Scheme ,Analogous Colour Scheme , Neutral Colour Scheme , Contrasting Colour Scheme , Complementary Colour Scheme , Split Complementary Colour Scheme , Triad Colour Scheme , Cool Colour Scheme , Warm Colour Scheme , Creative Colour Scheme.

Module III

Composition of Points, Lines, Shapes and Forms. Elements of design – Line & types of lines

Module IV

Principles of design - Background , Emphasis , Balance , Unbalance , Symmetry, Asymmetry , Rhythm/movement, Contrast , Harmony, Monotone , Unity ,Scale and Proportion .

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Module V

Designer clocks, designer mirror frames used in interior spaces.

Reference books

1. *Design concept – Jame Mills*
2. *Architecture Form, Space: Francis D K Ching*
3. *Diagram Diaries Peter Eisenman: Resomol Scandinavia Living Design: Elizabeth Gaynor*
4. *Housing & Urbanisation: Charles Correa*
5. *Colour Harmony – A guide to creative colour combinations- Bride M.Whelan*
6. *Colour Kaleidoscope, Creating colour harmonies- Axel venn*
7. *Designer's guide to colour-Vol 1to 5- James Stockman*
8. *Time Saver Standards – Interior Space*

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Course Title	INTERIOR DESIGNING FUNDAMENTALS (Theory)	Credits	2
Course Code	BSC DSC-006-T		
Learning Level	BTL		
CO	COURSE OUTCOMES	PO	
CO1	The student shall gain complete knowledge about the rules that an interior designer must follow to create an effective and beautiful design for the clients.	PO 8,9	
CO2	The rules are taught as <i>the</i> base ground or the foundation of interior designing to make student understand all basic of an interior project.	PO 1	
CO3	Students Will be able to learn and draft the layouts like civil, Furniture etc.	PO 3	
CO4	Students will learn basics of interior designing and furniture designing.	PO 1,2	
CO5	Student will gain fundamental knowledge of drafting, measurements and anthropometry.	PO 1,3,6	

Objective: Basic knowledge of interior designing, interior décor & elements of designing. Assimilation of resolving design solution of dream room.

Module I

Introduction to Interior Designing, Definition & Principal of Interior Designing, Interior Designing as a Career

Module II

Elements of Designing, Designing Process, Steps involved in Design Process.

Module III

Basic Introduction to furniture Designing

Module IV

Concepts & Themes of Dream Room Design

Module V

Dream Room Project- Plan, Furniture, Materials, finishes.

Reference Books:

1. *Interior Design: Principles & Practice*, M.Pratap Rao, Standard Publication Distributors, Delhi.
2. *Interior Design & Space Planning*, Joseph De Ctitra, Julius Panero Martin Zelnik, McGraw Hill
3. *Interior Design Reference + Specification Book* by Chris Grimley.

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Course Title	BUILDING MATERIALS & MARKET SURVEY (Project)	Credits	4
Course Code	BSC DSC-007-PRO		
Learning Level	BTL		
CO	COURSE OUTCOMES		PO
CO1	Students shall be made aware about the characteristics and properties of Building Materials used in civil work.		PO 1,2,3
CO2	Students will develop their skills for identification of suitable construction materials for civil work and projects and ability to select appropriate materials for the interior designing projects.		PO 1,2,9
CO3	Students will learn to deal with the selection of materials for various projects of constructions such as residential/commercial buildings.		PO 1,2,9,10
CO4	Students will understand basics of Masonry, Finishing and Form work standards prevailing in market.		PO 1,2,3,8
CO5	Students will understand the importance of building components and their uses.		PO 1,9

Objective: Understanding various new materials and updating it in the market and their applications.

Module I

Introduction to building materials Stones-Types of stones, General properties of good stones, Tools use for stone dressing, Types of surfaces finishes, Uses of stones, Qualities of good building stones, Purpose- types of stones to be used, Artificial stones, Points in favour of stone masonry, Marbles-Italian & Indian, Granites- all types, Tiles- vitrified, ceramics tiles and wall & floor tiles. Bricks- Points in favour of brick masonry Types of bricks, Shapes of bricks, Strength of brick masonry, Qualities of good bricks, Testing of bricks, Tools of brick laying, Elevation of brick wall, Various forms of bricks. Clay products lime cement concrete

Module II

Metals –Types of metal, Ferrous metals, Market form of steel, Properties of mild steel, Properties of hard steel, Aluminium, uses of Aluminium in interior design, Alloys, Other types of metals, Metal finishes. Plastics- Introduction, Constituents of plastics, Colouring matter, Lubricants, Catalysts, Classification of plastics, Thermoplastic materials, Properties of mild steel, Properties of plastics, Uses of plastics, Commercial form of plastics.

Module III

Glass – Introduction, Structure of glass, Constituents of glass and their functions Properties of mild steel, Properties of glass, Requirements of commercial glass,

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Classification of glass, Special type of glass, Role of glass in interior, glazing, Bend glass, Toughened glass, Sandwich glass, Custom designer glass. Hardware

Module IV

Timber- Forms of timber, Classification of trees ,Soft wood & hard wood, Conversion of timber, Defects in timber, Decay of timber, Seasoning of timber, Difference due to Seasoning , Qualities of Timber , Factors affecting the strength of timber , Requirement of good Preservatives , Types of Preservatives , Methods of Preservation, Ply- types, thickness & uses ,Partical boards-Varieties & uses. Floor finishes and Plastering- Introduction about floor finishes, Concrete floor, Terrazzo floor, Tiles, Introduction about plastering, objective of plastering, Procedure of plastering, Stucco plastering, Pointing, and Procedure of pointing Adversives

Module V

Paints – Characteristics of Ideal Paint, Ingredients of oil borne paints, Types of Paints. Guidance in process of painting, Advantages of spray painting. Painting on different surfaces. Defects in painting. Distempering – its properties. Varnishing – Characteristics of Ideal Varnish, its ingredients, types of varnish, Deco paints, PU finishes, Lamination Polish, Different texture paints. Textile & Finishes-Upholstery, curtains, carpets, rugs, drapery and its fixing types, types of venation blinds etc. Interior accessories

Reference books

1. *Time Saver Standards – Building Types*
2. *Building materials & construction : Pratap Rao*
3. *Interior design principles : Pratap Rao*
4. *S. C. Rangwala, Engineering Materials, Character Publishing house, Anand – 388 001, India, 2002.*
5. *S.K. Duggal, Building materials, Oxford and IBH publishing Co, put, Ltd, New Delhi 110001, 1997.D.N. Ghosh : Civil Engineering Drawing*
6. *Building Materials – Gurucharan Singh (Standard Publishers, Delhi)*
7. *Engineering Materials – Surendra Singh (Laxmi Publication)*

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Course Title	ARCHITECTURAL DRAWING (Lab)	Credits:	2
Course Code	BSC DSC-008-P		
Learning Level	BTL		
CO	COURSE OUTCOMES		PO
C01	To Understand and Use traditional drawing tools, such as pencils, pens, and paper to create professional-quality architectural drawings with different measurements.		P05
C02	Understand and apply the architectural design process, from concept development to construction documentation.		P05
C03	Communicate design ideas effectively through clear and concise graphical representations.		P03
C04	To understand detailed learning of different types of projection.		P03
C05	Students will learn about the different types of views and how to use them in displaying their work.		P05

Objective: Drawing skills as tools to design thinking, views, visualization, and representation.

Module I: Architectural Drawing

Basic Study- Lines- Different types of Lines, **Composition of Tools:** Use of Instruments, **Letter Writing:** Details about different fonts. Line Sheet, Composition of Tools, Letter Writing.

Module II: Scales

Use of different types of scale in Architectural Drawing, Unit Converter, different Measurement of Plans & Furniture.

Module III: Orthographic Projection

Angle Details, Scale Details, Working Drawing & Presentation Drawing, basic Geometrical Details. Projection of Line 1, Projection of Line 2, Projection of Plane 1, Projection of Plane 2, Projection of inclined lines, Projection of Solid.

Module IV: View

Details of different type of View- Isometric, One Point, two-point, oblique view, Axonometric View. Oblique View, Axonometric View, One Point View, Two point View, Picture Effect

Module V: Texture

Details of different types of textures used in wall- 2D, 3D. **Murals** - Different types of murals used in residential & commercial.

Reference Books:

1. *Dynamic Color Painting for the Beginner*, Diane Edison, ABRAMS New York
2. *Rendering with pen + ink*, Gill Robert W, Thames &Hudson.
3. *Adventure Water Colors*, Jenny Wheatley & Robin Capon, BATSFORD

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Course Title	INTRODUCTION TO COMPUTERS (Lab)	Credits:	2
Course Code	SEC 007-P		
Learning Level	BTL		
CO	COURSE OUTCOMES		PO
CO1	To understand the basic components of operating on menu and other tabs		PO 11
CO2	To Understand the MS Word and use in office documents		PO 11
CO3	To Understand the MS Excel and its use in office documents		PO 11
CO4	To present data using power pointing presentation		PO 11
CO5	To understand the basics of CorelDraw & Photoshop and create the designs using the software		PO 11

Objective: Students will learn fundamental concepts of computer hardware and software and become familiar with a variety of computer applications, including word-processing, spreadsheets, databases, and multimedia presentations.

Module I- Word Processor Introduction to wordprocessors . MS Word: opening, creating and saving documents, finding files, previewing documents and their properties, Typing, navigating and selecting in document, Editing and sorting, Checking spelling and grammar, formatting: characters, paragraph, with styles, auto format etc. Changing appearance of your page: margins, page size, page orientation, page breaks etc. Importing graphics and creating drawing objects: inserting, editing and positioning text and graphics, creating, resizing, reshaping and deleting drawing objects. Assembling documents with mail merge, Customizing Microsoft Word

Module II- Spread sheet Introduction to worksheets- opening, creating, using and saving workbook; working with workbooks and worksheets: managing, arranging and moving around in workbook. Entering data and selecting cells, ranges; editing worksheet data: clear content, format, or comments from cells, finding or replacing data, inserting, copying and moving cells and data, spell checking and correcting, formatting worksheet, using formulas, working with charts, analysing data with a pivot table, performing what-if analysis on worksheet data, validating cell entries, automating tasks: record, run, edit, and stop a macro, Customizing Microsoft Excel.

Module III – Techniques in presentation Microsoft PowerPoint: opening, creating and saving presentations, working in different views, working with slides, adding and formatting text, formatting paragraphs, making notes pages and handouts, working with objects and clip arts, working with equations, tables and charts, designing electronic slide show, adding animations, sound, voice narration and

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movies to your slides, setting timing and transitions, running and controlling electronic slide show, Customizing Microsoft PowerPoint.

Module IV-

Introduction to Software, Implementation of Corel Draw in Interior designing.

Module V-

Introduction to Software, Implementation of Photoshop in Interior designing.

Reference books

1. *Microsoft Office 2000 by O'lear series, Tata Mcgraw Hill*
2. *Mastering computers – Wright G.G.L.McMilan& Co.*
3. *Microsoft Windows 2000 – Microsoft Press*
4. *The Corel Draw – wow lines Dayton*
5. *Photoshop element: Dake McClelland*

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Course Title	COMMUNICATION SKILLS (Theory)	Credits	2
Course Code	AEC 001-T		
Learning Level	BTL		
CO	COURSE OUTCOMES		PO
C01	To enhance language proficiency by providing adequate exposure to reading and writing skills		PO 1,2,3
C02	To orient the learners towards various communication tasks		PO 1,2,3
C03	To increase the range of lexical resource through a variety of exercises		PO 1,2,3

Objectives: *To imbibe English and Listening, Speaking, Reading and Writing skills to meet the challenges of the world. To be able to process complex information with clarity and conciseness.*

Module I: Basics of Communication

- Communication: An Introduction
- Definition and Scope
- Process of Communication Barriers to Communication
- Types of Communication

Module II: Writing Skills

- Letter Writing-Formal and Informal
- CV, Email, Message
- Minutes , Report Writing
- Notice , Memoranda

Module III: Reading Skills

- Types of Readings

Module IV: Listening Skills

- Effective listening
- Barriers to listening

Module V: Speaking Skills

- Introduction to Soft Skills
- Personality Development
- Time Management/leadership Skills

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- Interviews/Group Discussion/Presentation Skills
- Short Speech

Note: Adequate practice to be given in the class to improve speaking and writing competence

Text book recommended:

1. *Brown, Ralph: Making Business Writing Happen: A Simple and Effective Guide to Writing Well. Sydney: Allen and Unwin, 2004.*
2. *Buscemi, Santi and Charlotte Smith, 75 Readings Plus. Second Edition New York: McGraw-Hill, 1994.*
3. *Mohan Krishna & Banerji, Meera: Developing Communication Skills. New Delhi: Macmillan India, 1990.*

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Course Title	Yoga	Credits:	2
Course Code	VAC 001-P		
Learning Level	BTL		
CO	COURSE OUTCOMES		PO
CO1	Students gain good knowledge on the concept of yoga.		Po 1
CO2	Students know about the scientific benefits of various yogic practices		Po 1,2
CO3	Students can perform practical skills proficiently		Po 4
CO4	Students gain an awareness about the value of health & wellness through yoga		Po 8,12
CO5	Makes the students more enthusiastic about further study/research in the field of Yoga		Po 2

Module I-**Introduction to Yoga:**

- Meaning and definitions of Yoga
- History of Yoga
- Importance of Yoga as art, science and philosophy
- Yogic Diet

Module II-**Philosophical Perspective of Yoga:**

- Yoga in Bhagavad Gita: Karma Yoga, Raja Yoga, Jnana Yoga and Bhakti Yoga
- The 'Yoga Sutras' in general; its significance in life.
- Limbs/parts of yoga (Astanga Yoga) according to the 'Yoga Sutras'
- Concept of Ishwara; Ishwara in Yoga Philosophy

Module III-**Yogic Practices for Health & Wellness:**

- Asana, its classification and effects
- Pranayama, its types and effects
- Kriya, Mudra and Bhandha: Procedure and Effects
- Yoga Vs Physical Exercise

Human Consciousness & Meditation

- Meaning & Definition of Human Consciousness
- Need for Study of Human Consciousness
- Current Crisis of Human Consciousness & Measures for meaningful solution
- The Theory of Meditation- Japa Meditation, Ajapajapa Meditation, Yoga Nindra, Tratak.

UNDER MULTIPLE ENTRY AND EXIT IN ACADEMIC PROGRAM

	Practical 1 Credit (30 hours)	30	15
	<p>i. Suryanamskara – (12 counts)</p> <p>ii. Asana</p> <p>a) Standing: -Tadasana, Ardhakatichakrasana, Ardhashakrasana, Trikonasana, Vrikshasana.</p> <p>b) Sitting: - Vajrasana, Padmasana, Gomukhasana, Paschimottanasana, Shashankasana.</p> <p>c) Lying Supine Position: - Shavasana, Setubandhasana, Chakrasana, Sarvangasana, Halasana.</p> <p>d) Lying Prone Position - Makarasana, Bhujangasana, Shalabhasana, Dhanurasana, Naukasana.</p> <p>iii. Pranayama Nadishodhana, Suryabhedana, Chandrabhedana, Shitali, Bhastrika, Bhramari.</p> <p>iv. Bandh & Mudra Jalandharabandha, Uddiyanbandha, Moolabandha, Yogamudra, Viparitkarnimudra, Shambhavimudra,</p> <p>v. Dhyana and its forms</p>		
	<p>Modes of Assessment (In -Semester):</p> <p>a) Unit Test</p> <p>b) Class seminar presentation/Group discussion</p> <p>c) Seasonal Examination (Theory and Practical)</p> <p>d) Attendance and regularity</p> <p>e) Observation record during practical</p>		

Reference Books:

- *Holistic Approach of Yoga*- G. Shankar: Aditya Publishers
- *Patanjali's Yoga Sutra – Translation and Commentary*-Dr.P.V. Karambelkar: Lonavla
- *Guidelines to Yogic Practices* – M.L.Gharote: Lonavla
- *Yoga and Indian Philosophy* – Karel Werner: Motilal Banarsidass
- *Yoga: The Path to Holistic Health*- B.K.S. Iyenger: Dorling Kindersley Limited

UNDER MULTIPLE ENTRY AND EXIT IN ACADEMIC PROGRAM

Course Title	INTERIOR DESIGN STUDIO & MARKET SURVEY – I (LAB)	Credits:	4
Course Code	BSC DSC-040-P		
Learning Level	BTL		
CO	COURSE OUTCOMES		PO
CO1	Student will learn to apply basics principles of space planning in interior designing.		PO3
CO2	Student will learn Basic principles and elements of Design of a residential place & method of how to develop design from the scratch.		PO3
CO3	Student will learn about standard dimension of a residential planning in interior design through graphical representation		PO3
CO4	Student will understand & learn Selecting /listing material for the interior design work.		PO 2
CO5	They will develop designing development and Select the products for given interior design work; They will be good at presenting their designed project to the clients		PO2,3,9

Objective: Assimilation of resolving design solution.

Module I

Design analysis -research and programming with market survey.

Module II

Concept development with market survey.

Module III

Design development with market survey.

Module IV

Board layouts with market survey.

Module V

Presentation of the design project with market survey.

Reference books

1. Time Saver Standards – Building Types
2. Minimalist Lofts : Watson Guptill
3. Interior Design : John F Pile
4. Big Ideas Xs Small Buildings : Richard Son Dietrich
5. Julius Panero, Martin Zelnik, Human Dimension and Interior Space, Whitney Library of Design, 1975

UNDER MULTIPLE ENTRY AND EXIT IN ACADEMIC PROGRAM

Course Title	BUILDING CONSTRUCTION & SITE VISIT- I (Theory)	Credits:	2
Course Code	BSC DSC-041-T		
Learning Level	BTL		
CO	COURSE OUTCOMES	PO	
CO1	This subject will enhance knowledge and gain exposure to build forms (Architecture) through building construction technology and provide Understanding about various new systems of construction which will help them in practical field through building construction logic and techniques.	PO 2,3	
CO2	The student will able to explain properties of building elements and prepare the construction drawings through conceptual and contextual approach.	PO 6	
CO3	The student will able to explain principles of construction in mass buildings and use of the technical knowledge in project drawings.	PO3	
CO4	Student will gain theoretical as well as practical knowledge of building construction & techniques.	PO3	
CO5	Student shall be able to implement his/her knowledge on foundations, masonry, staircases to ease project execution	PO 10	

Objective: *Emphasis: Exposure to build forms (Architecture) through building construction technology. Understanding various new systems of construction. Aluminium composite panel ACP*

Module I

Important building components, Foundations.

Module II

Stone masonry, brick masonry

Module III

Partitions

Module IV

Arches

Module V

Lintels, stairs

Reference books

1. *Time Saver Standards – Building Types*
2. *Construction Technology – Vol 1-4*
3. *Balconies Exterior & Garage Doors*
4. *Building Materials & Construction*

UNDER MULTIPLE ENTRY AND EXIT IN ACADEMIC PROGRAM

Course Title	BUILDING CONSTRUCTION & SITE VISIT- I (Lab)	Credits	2
Course Code	BSC DSC-041-P		
Learning Level	BTL		
CO	COURSE OUTCOMES	PO	
C01	This subject will enhance knowledge and gain exposure to build forms (Architecture) through building construction technology and provide Understanding about various new systems of construction which will help them in practical field through building construction logic and techniques.	PO 2,3	
C02	The student will able to explain properties of building elements and prepare the construction drawings through conceptual and contextual approach.	PO 6	
C03	The student will able to explain principles of construction in mass buildings and use of the technical knowledge in project drawings.	PO3	
C04	Student will gain theoretical as well as practical knowledge of building construction & techniques.	PO3	
C05	Student shall be able to implement his/her knowledge on foundations, masonry, staircases to ease project execution	PO 10	

Objective: *Emphasis: Exposure to build forms (Architecture) through building construction technology. Understanding various new systems of construction. Aluminium composite panel ACP*

Module I

Important building components, Foundations.

Module II

Stone masonry, brick masonry

Module III

Partitions

Module IV

Arches

Module V

Lintels, stairs

Reference books

1. *Time Saver Standards – Building Types*
2. *Construction Technology – Vol 1-4*
3. *Balconies Exterior & Garage Doors*
4. *Building Materials & Construction*

UNDER MULTIPLE ENTRY AND EXIT IN ACADEMIC PROGRAM

Course Title	AUTOCAD – 2D & 3D (Lab)	Credits	2
Course Code	BSC DSC-042-P		
Learning Level	BTL		
CO	COURSE OUTCOMES		PO
CO1	Understand the basic interface and tools of AutoCAD 2D and 3D software.		PO 5,6
CO2	Create and edit basic 2D plans. Create and edit dimensions, text, and annotations.		PO 5,6
CO3	Use layers and linotypes to organize drawings. Create and edit floor plans, elevations, and sections.		PO 5
CO4	Create and modify 3D objects using AutoCAD. Apply materials and textures to 3D objects.		PO 5
CO5	Create and edit furniture and fixtures using 3D modelling techniques. Create and edit lights and cameras for 3D rendering.		PO 5,6

Objective: Computer graphics as a tool for design development. Introduction to computers & their application to various fields those are relevant to the fields of study. Introduction to computer aided design and drafting techniques and some software available.

Module I

Preparation of plan of different furnitures - chair, table, wardrobe, bed, sofa, etc and their isometric view using drawing tools/commands.

Module II

Civil layout and furniture layout plan of a 2bhk /3bhk/ 4bhk apartment with dimensions and detailings.

Module III

Set layers in above designed plan and draw its elevation and view.

Module IV

3d modelling of furnitures.

Module V

3d modelling of 2bhk / 3bhk / 4bhk plan with texture and material application.

Reference books

1. Illustrated AutoCAD 2000 for you
2. AutoCAD architectural user guide – Autodesk Inc., 1998.
3. The Illustrated AutoCAD 2002 Quick Reference, Ralph Grabowski
4. Autocad 2000: A Problem-Solving Approach, Sham tikoo. Pub: Thomson Learning, 1999

UNDER MULTIPLE ENTRY AND EXIT IN ACADEMIC PROGRAM

Course Title	FURNITURE DESIGN & JOINERY DETAILS & ANTHROPOMETRICS (Lab)	Credits:	2
Course Code	BSC DSC-043-P		
Learning Level	BTL		
CO	COURSE OUTCOMES		PO
CO1	Student will learn & understand the relationship of furniture to human dimensions, survey of various modular system and their joinery details available in market.		PO8,9
CO2	Students will learn joinery details of wood and metal furniture as per latest trends		PO 2
CO3	Students will learn anthropometrics and techniques used behind designing furniture & Can produce/make a furniture or interior design product.		P02,5
CO4	Student will gain the knowledge of the tools and materials which are used in furniture production.		PO 8,9
CO5	Student will understand and can use simple craft techniques used in furniture production prevailing in market.		PO 8

Objective: System in furniture design, its relationship to human dimensions, survey of various modular systems available for functions in market.

Module I

Cane, Cane furniture for Interior & Exterior.

Module II

Wrought Iron Furniture.

Module III

Plastic/PVC Furniture, Manufacturing process for Plastic furniture, PVC Furniture.

Module IV

Glass Furniture, Design Examples of Glass furniture, Stone Furniture, Cabinets, Cabinets furniture.

Module V

Different types of joinery Details in furniture, Meaning of Anthropometrics.

Reference books

1. Elements & Total concept of urban street furniture: Garrett Elkbo
2. Modern Furniture Classics
3. Time Saver Standards – Building Types

UNDER MULTIPLE ENTRY AND EXIT IN ACADEMIC PROGRAM

Course Title	Ancient History of Design (Theory)	Credits:	2
Course Code	VAC 005-T		
Learning Level	BTL		
CO	COURSE OUTCOMES	PO	
C01	To understand the evolution of art in interiors during the prehistoric period through research and documentation.	PO 8	
C02	To understand the different traditional contemporary art form with different tools and techniques	PO 3	
C03	To explore & understand the different elements and accessories in historic interiors through research and graphical representation.	PO 3,8	
C04	To understand the spatial scale in Buddhist, Islamic and Hindu art forms enhancing logical thinking	PO7	
C05	To explore & understand the holistic contribution the various art forms of world history.	PO 8	

Objective: *How an investigation in the historical imperatives in relation with design can be turned into an aid to the design process. Typological rather than periodic or stylistic approach to history of design.*

Module I

Chinese civilization, History of Chinese antique furniture

Module II

Egyptian civilization, Egyptian furniture

Module III

Classical period – Greek period, Roman Period

Module IV

Mughal Architecture – Akbar, Jahangir, Shahjahan

Module V

Biography of famous Interior Designers

Reference books

1. *History of Architecture : Sir Banister Fletchers*
2. *The history of Architecture in India : Christopher Tadgell*
3. *Sir Banister Fletcher, A History of Architecture, University of London, The Antholone Press, 1996.*
4. *Spiro Kostof - A History of Architecture - Setting and Rituals, Oxford University Press, London, 1985.*
5. *Leland M Roth; Understanding Architecture: Its elements, history and meaning; Craftsman House; 1994.*

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6. *ChristoperTadgell, The History of Architecture in India from the Dawn of civilization to the End of the Raj, Longmon Group U.K.Ltd., London, 1990.*
7. *Pier Luigi Nervi, General Editor - History of World Architecture - Series, Harry N.Abrams, Inc.Pub., New York, 1972.*