

 <p>Estd. 1962 "A++" Accredited by NAAC(2021) With CGPA 3.52</p>	<p align="center">SHIVAJI UNIVERSITY, KOLHAPUR - 416 004, MAHARASHTRA</p> <p align="center">PHONE : EPABX – 2609000, www.unishivaji.ac.in, bos@unishivaji.ac.in</p> <p align="center">शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४, महाराष्ट्र</p> <p align="center">दूरध्वनी - ईपीएबीएक्स - २६०९०००, अभ्यासमंडळे विभाग दूरध्वनी ०२३१-२६०९०९३/९४</p>	
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Ref.No. SUK/BOS/ 655

Date: 02/09/2023

To,

The Principals,

All Concerned Affiliated Colleges / Institutions.

Shivaji University, Kolhapur.

Subject : Regarding syllabi of Vocational Education Part-II under the Faculty of Inter-Disciplinary Studies.

Sir/Madam,

With reference to the subject, mentioned above, I am directed to inform you that the university authorities have accepted and granted approval to the syllabi of Vocational Education Part-II under the Faculty of Inter-Disciplinary Studies. as per National Education Policy 2020.(NEP)

1)	Advanced Diploma in Catering and Hospitality Management.
2)	Advanced Diploma in Medical Laboratory technology
3)	Advanced Diploma in Nutrition and Dietetics.
4)	Advanced Diploma in Nursing and Hospital Management.
5)	Advanced Diploma in Sustainable Agriculture Management.
6)	Advanced Diploma in Tourism and Service Industry
7)	Advanced Diploma in Agriculture
8)	Advanced Diploma in Food Processing Technology
9)	Bachelor of Design Part-II


This syllabi shall be implemented from the academic year 2023-2024 onwards. A soft copy containing the syllabi is attached herewith and it is also available on university website www.unishivaji.ac.in. (Online Syllabus)

The question papers on the pre-revised syllabi of above mentioned course will be set for the examinations to be held in October /November 2023 & March/April 2024. These chances are available for repeater students, if any.

You are, therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully,


 Dr. S.M.Kubal
 (Dy Registrar)

Copy to:

1	Director, Board of Evaluation and Examination	7	Centre for Distance Education
2	The Dean, Faculty of IDS	8	Computer Centre / I.T.cell
3	The Chairman, Respective Board of Studies	9	Affiliation Section (U.G.) / (P.G.)
4	B.A.,B.Com.,B.Sc. Exam	10	P.G.Admission / P.G.Seminar Section
5	Eligibility Section	11	Appointment Section -A/B
6	O.E. I, II, III, IV Section	12	Dy.registrar (On/ Pre.Exam)

SHIVAJI UNIVERSITY, KOLHAPUR



UNDER THE FACULTY OF
INTER DISCIPLINARY STUDIES – (IDS)

AS PER THE NATIONAL EDUCATION POLICY
(NEP – 2020)
WITH MULTIPAL ENTRY & MULTIPAL EXIT OPTIONS
CHOICE BASED CREDIT SYSTEM
(CBCS)

Structure, Scheme, & Syllabus for

BACHELOR OF DESIGN
(B. Des) (INTERIOR DESIGN)

PART – II (SEM III & IV)

**Syllabus to be Implemented
from Academic Year
2023-2024**

(Subject to the modifications that will be made from time to time)

Course Code & Definition
Semester – III

Sr No	Code No	Name of the Subject	Credit
1	DSC– 301	Interior Design- III	6
2	DSC - 302	Theory of Design & Visual Arts- III	3
3	AECC- 303	Work Shop – III	3
4	CC - 304	Interior Technology & Material - I	3
5	CC - 305	Interior Services -I	2
6	DSC - 306	Graphics - III	3
7	AECC - 307	History- III	2
8	AECC - 308	Presentation Techniques - I	2
9	GE- 309	Generic Elective-	2
		Total Credits	26

Semester – IV

Sr No	Code No	Name of the Subject	Credit
1	DSC– 401	Interior Design- IV	9
2	DSC – 402	Theory of Design & Visual Arts- IV	6
3	AECC- 403	Work Shop – VI	4
4	CC - 404	Interior Technology & Material - II	4
5	CC - 405	Interior Services -II	2
6	DSC - 406	Graphics - IV	5
7	AECC - 407	History- IV	2
8	AECC-408	Presentation Techniques - II	2
9	GE- 409	Generic Elective-	2
		Total Credits	36

Abbreviations: -

DSC : Discipline Specific Elective

AECC : Ability Enhancement Compulsory Course

SEC : Skill Enhancement Course

GEC : Generic Elective Compulsory Course

National Education Policy (NEP -2020)
SECOND YEAR - Bachelor of Design - Interior Design
SEMESTER – THIRD
Scheme of Teaching and Examination

Course (Subject Title)	TEACHING SCHEME							EXAMINATION SCHEME							
	Name of the Subject	THEORY			STUDIOS			CONTINUES INTERNAL EXAMINATION (CIE)		END SEMESTER EXAMINATION (ESE)		INTERNAL ORAL EXAMINATION (IOE)		EXTERNAL ORAL EXAMINATION (EOE)	
		Credits	No of Lectures	Hours	Credits	No of studios	Total Credit	Total Marks	Min	Total Marks	Min	Total Marks	Min	Total Marks	Min
DSC – 301	Interior Design- III	1	2	-	5	8	6	10	5	-	-	40	20	-	-
DSC - 302	Theory of Design & Visual Arts- III	1	1	-	2	3	3	10	5	-	-	40	20	-	-
AECC -303	Work Shop – III	-	-	-	3	4	3	10	5	-	-	40	20	-	-
CC-304	Interior Technology & Material - I	1	2	-	2	3	3	10	5	50	18	40	20	-	-
CC-305	Interior Services -I	2	2	-	-	-	2	10	5	50	18	40	20	-	-
DSC-306	Graphics - III	1	1	-	2	5	3	10	5	-	-	40	20	-	-

AECC -307	History- III	2	2	-	-	-	2	10	5	-	-	40	20	-	-
AECC - 308	Presentation Techniques - I	-	1	-	1	2	2	10	5	-	-	40	20	-	
GE- 309	Generic Elective -	-	-	-	-	-	2	-	-	-	-	50	25	-	-
			11	-	15	25	26	80	-	100	-	370		-	-

Third Semester Total periods per week – 36

Total credits – 26

Total Marks – 550

A) Sem - III for Generic Elective

Any Three topics are compulsory to attempt for getting marks & Credits from generic electives from the following.

1. Calligraphy
2. Pottery design
3. Style of Interior
4. Origami

Note: - Any Other Generic Electives in each semester are subjected to change as per the need of the industry, Market and skill requirements as per specific time and syllabus.

CIE- Continuous Internal Evaluation

ESE – End Semester Examination

GE –Generic Elective

National Education Policy (NEP -2020)
SECOND YEAR - Bachelor of Design - Interior Design
SEMESTER – FOURTH
Scheme of Teaching and Examination

	TEACHING SCHEME							EXAMINATION SCHEME							
Course (Subject Title)	Name of the Subject	THEORY			STUDIOS			CONTINUES INTERNAL EXAMINATION (CIE)		END SEMESTER EXAMINATION (ESE)		INTERNAL ORAL EXAMINATION (IOE)		EXTERNAL ORAL EXAMINATION (EOE)	
		Credits	No of Lectures	Hours	Credits	No of studios	Total Credit	Total Marks	Min	Total Marks	Min	Total Marks	Min	Total Marks	Min
DSC – 401	Interior Design- IV	2	2	-	6	8	8	10	5	100	35	90	45	100	50
CC - 402	Theory of Design & Visual Arts- IV	2	1	-	4	3	6	10	5	-	-	40	20	100	50
CC- 403	Work Shop – IV	-	-	-	4	4	4	10	5	-	-	40	20	-	-
CC- 404	Interior Technology & Material - II	2	2	-	2	4	4	10	5	50	18	40	20	100	50
CC- 405	Interior Services -II	2	2	-	-	-	2	10	5	50	18	40	20	-	-
CC- 406	Graphics - IV	1	2	-	3	5	4	10	5	100	35	40	20	-	-

CC-407	History- IV	2	2	-	-	-	2	10	5	-	-	40	20	-	-
SEC-408	Presentation Techniques - II	-	1	-	2	2	2	10	5	-	-	40	20	-	
GE-409	Generic Elective -	-	-	-	-	-	2	-	-	-	-	50	25	-	-
		11	11	-	23	25	34	80	-	300	-	420		300	-

Fourth Semester Total periods per week – 36

Total credits – 34

Total Marks – 1100

A) Sem - IV for Generic Elective

Any Three electives topics are compulsory to attempt for getting marks & Credits from generic electives from the following.

1. Software Skills for 2 D/ 3D
2. Content writing and docs
3. Advanced product design Etc.
4. Event Management

Note: - Any Other Generic Electives in each semester are subjected to change as per the need of the industry, Market and skill requirements as per specific time and syllabus.

CIE- Continuous Internal Evaluation

ESE – End Semester Examination

GE –Generic Elective

❖ Student Contact Hrs Per week: 36 hrs	❖ Total Marks for B.Des Part – II - 1650
❖ Lecture / Studio period is 50 minutes	❖ Total Credits for B.Des – Part- II – 60
❖ AECC: Ability Enhancement Compulsory Course - Compulsory Environmental Science	
❖ Practical workload will for batch of 20 students	
❖ DSC: Discipline Specific Core Course -	
❖ GE: Generic Elective	
❖ There shall be separate passing for theory and practical courses.	
❖ AECC & GEC internal Evaluation should be done at Institute level.	
❖ Verification and Revaluation: Verification and Revaluation shall be permitted only in case of Written Papers.	
<p>Exit option: - The undergraduate program B. Des of Four Academic Years (Eight semesters) with multiple entry and multiple exit options</p> <ul style="list-style-type: none"> • The students can exit with certificate in a discipline or field after the completion of one-year Academic year (Two semesters) • Students can exit with Diploma after two academic years of (Four Semester) • Students can exit with Bachelor Degree after the completion of three Academic Year (Six Semesters) • Successful completion of four-year undergraduate program would lead a Bachelor Degree with Honor's / Research in Discipline/ Subject. Each semester shall consist of study with minimum of 90 working days. 	

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Interior Design –III	L	S	Credit
Course Code:	CC- 301	1	5	6

Course Description:

This continues to be the main subject in the curriculum. Interior design problem of moderately Complex nature is to be tackle by the students. In this semester supposed to deal with multi activity residential spaces like, Bungalow, Studio apartments, Duplex flats etc. In this year students are supposed to be with innovative ideas, creative ideas in conceptualizing of the project. Semester 3rd dedicated to develop innovate creative, thinking for interior Design space.

- Studies on multi- spaces.
- Design of medium to large space of moderate complexity (several functions together) like Bungalow, Studio apartments, Duplex flats etc.
- Site visits: Site visits to complete buildings pertaining to design problems, group discussions among students, special discussions shall also be arranged with senior students, students should also play roles of clients, contractors and consultants.
- Study of groups of objects forms, masses with basic geometric forms, their compositions, for two- and three-dimensional study in relation with Basic Design.

Course Outcomes:

- Innovative, creative Thinking in conceptualizing the giving space project.
- Use of Theory of Design given Space project
- Use of Different material in Creative way for the Interior Space Planning.
- Explore Computer Aided Drafting (CAD) drafting & 3D visualization with verity of Visual presentation with hand skills.
- Explore professional design acumen with enhanced skill of planning interior Project.
- Emphasis to the relationship of space to the contextual environment, achieving design interpretations through client profiling, case study & framing of requirements.
- Application of advanced knowledge to materials used, construction techniques, furniture & services while designing highly complex and complicated spaces.
- Discuss and on décor how it enhances and reflect concept
- Explore a variety of visual presentation techniques
- Explore verbal presentation skills to elaborate design projects
- Design a large space up to 500 SQM for residential, Commercial space

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 The students will be able to do the interior space planning of multi-functional activities with variety of requirements of the multi-dueling activities.

Unit 2 To Understand Relation of the variety of activities without compromising with visual and aesthetical aspect of the interior spaces.

Unit 3 To Understand the correlation between the interior space and exteriors space and environment and importance of Interior styling in to space.

Unit 4 To Understand the basic services required for multi activity spaces like Electrical Plumbing, Drainage etc Internet HVAC and incorporate these services into design.

Reference Books: -

1. Interior Design - Ahmed Kasu
2. Rendering with Pen & Ink - Robert Gill
3. Time - Saver Standards for interior Design and space planning (2 Edi) - Joseph dechiara
4. Design Drawing - Francis D.K Ching
- 5 Fundamentals of interior design. - Ching, Fiancis D.K
- 6 Space design. - Jeong, Kwang Young
- 7 Neufert 4th Edition - Ernst and Peter Neufert

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Theory of Design & Visual Arts -III	L	S	Credit
Course Code:	DSC- 302	1	2	3

Course Description:

Visual Arts/Aesthetics is an art of sensitive appreciation of the “beautiful” It is the pursuit and devotion to beauty and refined taste. It is developing a well-developed sense of beauty. Visual Art is an art of Aesthetics. Sense of Aesthetics helps us to create the simple things of life in a more presentable manner.

A simple complex thing or an object when treated with aesthetic sense becomes extra ordinary and unusual. Visual Art can be termed as an art of presenting a thing, an object, or a design in such a fashion that it looks more beautiful and desirable.

Theory of design is subject in which basic elements and principles of design is being studied, and application is done in studio periods of visual arts. Ultimately Theory of design and Visual arts is used in subject Design for making living spaces more beautiful and desirable.

Course Outcomes:

- Develop the visual arts and design work considering elements of design for developing design projects study of principal of design considering multi activity residential spaces
- Use of color theory for multi activity residential species
- Over all developing visual arts and aesthetical approach for the further complex nature design project

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 To deal with basic elements of design and application with Intellectual – analytic critical aesthetics.

Unit 2 To develop visual and aesthetical sense with the help of 2 and 3-dimension color theory in short principle of design for more complex nature design problems.

Unit 3 to enhance hand skills to understand importance of traditional art craft etc in the interior species

Unit 4 To Study history of fine arts which include study of artist and their styles in all aspects study of ISMS and applying the same into multi activity residential species

Reference Books: -

1. Interior Design - Ahmed Kasu
2. Design Drawing - Francis D.K Ching
3. Fundamentals of interior Design - Ching, Francis D.K
4. Color Harmony Workbook - Rockport

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Workshop – III	L	S	Credit															
Course Code:	AECC- 303	-	3	3															
Course Description: Understand material and tools by making objects which allow students to explore forms, surfaces, textures, and patterns. Explore different joinery, support conditions and woven surfaces under trained experienced master craftsman. Also clear to communicate and establish dialogue between designed crafts skills. Understand and improve imaginations through visual art by modeling object of variety of materials to enhance the knowledge of surface, texture, forms. Clean communication to be established through activities in between design and craftsmanship. A cultural orientation may be divided to integrate with current requirement of profession.																			
Course Outcomes: <ul style="list-style-type: none">• Prepare block models, preliminary models and finished models by using metal, plaster of Paris; etc.• Use tools and develop hands on skills to use materials for preparing models;• Demonstrate/apply the principle of surface forming, texture and forms.																			
Teacher Assessment: <table><tr><th>Assessment</th><th>Marks</th><th>Pass</th></tr><tr><td>CIE</td><td>10</td><td>5</td></tr><tr><td>ESE</td><td>-</td><td>-</td></tr><tr><td>Internal Evaluation</td><td>40</td><td>20</td></tr><tr><td>External Evaluation</td><td>-</td><td>-</td></tr></table>					Assessment	Marks	Pass	CIE	10	5	ESE	-	-	Internal Evaluation	40	20	External Evaluation	-	-
Assessment	Marks	Pass																	
CIE	10	5																	
ESE	-	-																	
Internal Evaluation	40	20																	
External Evaluation	-	-																	
Course Contents: Unit 1 To understand & experience with all types of materials in interior space designing -like Wood, Clay, Metal, Plaster of Paris etc. Unit 2 Implementation and hands on experience of above said Material in Interior space designing. Unit 3 Preparation of Block models, Preliminary models & finish models for Interior space Design. Unit 4 The Above units should be effectively linked with Interior space design and more stress will be laid on industry linkages for training and hands on experience.																			

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Interior Technology & Material – I	L	S	Credit
Course Code:	CC- 304	1	2	3

Course Description:

This course introduces students to the art and science of interior Space. Emphasis will be placed gaining an understanding in materials, methods and the process of translating design ideas into built form. Specific topics are introduced each week. These topics are then further should develop various design strategies, materials, fabrication techniques, and didactic built works are explored. As both a qualitative and a basic quantitative understanding of elementary systems are mastered, the curriculum shifts its focus onto increasingly complex systems serving entire interior Space.

The material in class requires students to have some experience and understanding of Interior design, drawings and details.

Course Outcomes:

- Apply knowledge of interior material, methods and processes to transform idea in to design;
- Draw & Develop the upholstery materials and partition and paneling;

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	50	18
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 STAIRCASES

Types of staircases- materials used- wooden, Ms. etc. construction.

Unit 2 UPHOLSTRY & ITS CONSTRUCTION.

Materials used as upholstery-cotton, synthetic, [rexins, foam leather,]-different types of frames used for upholstery like wooden, plywood, metal, composite frames.

Unit 3 PARTITION

- Construction of partitions in interior space designing with different materials like - Ply, Glass, Clay Products, Bricks, Concert blocks, gypsum, etc.
- types partition. Full / half High partitions, Single skin / double skin partitions-, introduction to factory made modular & ready to assemble partitions, dry walls, etc..

Unit 4 PANELLING

Construction of paneling in interior space designing with different materials used for paneling- Ply, Glass, Gypsum, P.O.P, etc.

Reference Books

1. Engineering Materials - S.C Rangwala
2. Interior Design - Ahmed Khasu
3. Building construction Metric volume.1 - J.K.Macky
4. Building construction Metric volume.2 - J.K.Macky
5. Building construction Metric volume 3 M.B..Macky
6. Building construction Metric volume.4 M.B..Macky
7. The Construction Of Building vol.3 - Barry
8. Barry The construction of buildings 4 - Barry
9. Building Construction Illustrated - 5th Edition - Frances D.K.Ching

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Interior Services - I	L	S	Credit
Course Code:	CC- 305	2	-	2

Course Description:

This subject supports basically to interior Technology & Interior Design. This subject includes different technology used for different services included in the interior design. This subject is to understand basic products used Plumbing & Drainage in a service to work use & effectually designed spaces. This subject includes basic of Sanitary fixtures, bathroom accessories, drainage system, water supply system in the 3rd semester.

Course Outcomes:

- Exploring different types of water heating equipment with respect to specification and capacity
- Exploring the different classification and functions of sanitary fixtures;
- Exploring the drawing/plan of drainage system, plumbing system and water supply system inclusive of hot water & cold-water supply;
- The quality and quantity of water require for different purpose;
- Exploring the sketches of fittings and parts required in drainage and water supply systems;

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	50	18
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 Sanitary fixtures

Introduction -

Describing & Drawing & developing systems of material in following unites.

Classification of sanitary fixtures –

Ablution fixtures - wash basins - sinks- Kitchen, Janitor Bathroom fixtures – shower trays

- Bathtubs - Soil fixtures-

Water Closets - WC - floor & wall mounted - Indian water closet – Anglo – Indian water closets – Urinals Bowl, Stall, Aqua free - Squatting plate - Bidet – Slop sinks

Unit 2 Accessories - Bathroom Accessories. Towel rings, sop dish, mirrors, toilet paper holder, automatic sanitizer machine, aroma diffuser etc ...

Unit 3 Drainage system

Introduction -

principle of drawing - system of plumbing – One pipe, two pipe etc - Comparison of systems - systems recommended - Vent pipes - symphonic action - traps for appliances - Bottle traps, Nahani traps , gully traps etc - Air admittance value, Pipes & their joints - study of kitchen & toilet areas - septic tanks- etc.

Unit 4 Water supply

Introduction - Impurities in water - Effect of impurities - Treatment Of water - Conveyance of water - per capita supply - storage of water – Storage tanks for bungalows - Typical water supply layout from service main to building- etc.

Hot Water Supply

Intro – Quantity of hot water - sizing of vessels for storage - Types of hot water – sizing of vessels for storage - Types of heaters – pressure & non.- Pressure types - Tank-type water heaters - Geysers – central hot water system - hot water piping layout – Principles of design, Return Circulation System - Solar hot energy - instant type water heater - Hot water supply layout- etc.

Reference Books

1. Building Services - S.M. Patil
2. Water Supply & Sanitary Engineering - Ranwala
3. Interior Design - Ahamad Khasu

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Graphics - III	L	S	Credit
Course Code:	DSC- 306	1	2	3

Course Description:

This subject is continued for 3rd semester after the basic orthographic projection. The Subject for 3rd semester continued gradually through exercises detailing with section of solids. Complex development of surface, objects, etc..

Introduction of knowledge of perspective is key for visualization – use of auto cad student of practical to get then the use of CAD by using simple drawing & molding compounds, to dose simple object only.

Course Outcomes:

- Explore principles of one point and two-point perspective of simple objects and interior design;
- Develop perspective of interactive design at different levels.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Part - I

Unit 1 Introduction of Perspective

Unit 2 Principles of one-point perspective of simple / Complex objects and Interior Design elements.

Unit 3 Principles of Two-point perspective of simple / Complex objects and Interior Design elements.

Unit 4 Perspective of Interior and Exteriors spaces using different eye levels.

Reference Books

1. Rendering with Pen & Ink - Robert Gill
2. Interior Design - Ahmed Khasu

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	History - III	L	S	Credit
Course Code:	AECC- 307	2	-	2

Course Description:

- Develop awareness this subject is to of the material cultures and life styles associated with past civilizations and their relevance to contemporary design.
- Identify furniture styles and understand on and its relationship to social, economic, and political conditions it influences contemporary design.

Course Outcomes:

- Explore the material cultures and life styles associated with Indian and European architecture;
- Describe with sketch/drawing the temple architecture, Egyptian, Greek and Roman architecture;
- Explore the principles of design in different culture in the development of design/furniture design

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Introduction to the Indian and European Architecture.

Unit 1 Introduction to ancient civilization

Unit 2 Temple Architecture - Surface decoration, treatments.

Unit 3 Introduction of Egyptian, study of interiors evolution of Interior design. how it was affected by social, political forces etc...

Unit 4 Introduction of Greek, and Roman Architecture – study of interiors evolution of Interior design. how it was affected by social, political forces etc...

Reference Books: -

1. History of Architecture - Banister Fletcher
2. Interior Design – Ahmed A Kasu
3. Indian Architecture - Percy Brown
4. Islamic Architecture - Percy Brown
5. World Architecture - G.K.Hiraskar

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Presentation Techniques - I	L	S	Credit															
Course Code:	AECC- 309	-	1	1															
Course Description: This Subject is to train the students in the techniques of three-dimensional presentation-built form by using manual and computer skill. Interior photography and photographic techniques related to Interior elements. Application of various types of lenses. Rendering of the plans, sections, elevations, perspectives using different media.																			
Course Outcomes: <ul style="list-style-type: none">• Explore techniques of 3D presentation-built form manually and by using computer skills;• Use techniques of productivity and management payers and symbol generations;• drafting and presentation by using software's.																			
Teacher Assessment: <table><tr><td>Assessment</td><td>Marks</td><td>Pass</td></tr><tr><td>CIE</td><td>10</td><td>5</td></tr><tr><td>ESE</td><td>-</td><td>-</td></tr><tr><td>Internal Evaluation</td><td>40</td><td>20</td></tr><tr><td>External Evaluation</td><td>-</td><td>-</td></tr></table>					Assessment	Marks	Pass	CIE	10	5	ESE	-	-	Internal Evaluation	40	20	External Evaluation	-	-
Assessment	Marks	Pass																	
CIE	10	5																	
ESE	-	-																	
Internal Evaluation	40	20																	
External Evaluation	-	-																	
Course Contents: Computer application in Interior Design: - Unit 1 Use of draw tools, use of view, Different types of styles e.g., dimension style, text, style, symbol library, drawing at different scales, composition of drawing at different scales. (Concept of paper space & model space). Unit 2. Use of edit tools, use of view, Different types of styles e.g., dimension style, text, style, symbol library, drawing at different scales, composition of drawing at different scales. (Concept of paper space & model space). Unit 3 Introduction to other drafting & presentation software's. Unit 4 Introduction to interface between the different presentation software's.																			
Reference Books 1. Rendering with Pen & Ink - Robert Gill 2. Residential Design Using AutoCAD 2022 - Daniel John Stine																			

LIST OF OPEN ELECTIVES	
Offered By INTERIOR DESIGN	
GENERIC ELECTIVE	2 Credit
<p>Any Three topics are compulsory to attempt for getting marks & Credits from generic electives from the following.</p> <ol style="list-style-type: none"> 1. Calligraphy 2. Pottery design 3. Style of Interior 4. Origami <p>Note: - Any Other Generic Electives in each semester are subjected to change as per the need of the industry, Market and skill requirements as per specific time and syllabus.</p>	

GENERAL NATURE OF QUESTION PAPERS.

Bachelor of Design – Second Year (B.Des)
Semester – III
Sub- Interior Technology & Material – I

Total Marks: - 50

Duration: - 2 hrs

Instructions: -

- 1. Q. No.1 & 2 is compulsory and answer any two of remaining questions.**
 - 2. Illustrate your answer wherever necessary.**
 - 3. Figures at the right indicate full marks.**
 - 4. Assume suitable data wherever necessary & mention it.**
 - 5. Draw neat sketches wherever necessary.**
-

- | | |
|---|----|
| 1. Design & Draft: | |
| i) | 10 |
| ii) | 10 |
| iii) | 09 |
| 2. Answer the following with sketches: | 07 |
| 3. Answer the following: | 07 |
| 4. Answer the following questions: - | 07 |
| 5. Answer the following questions in brief: | 07 |

GENRAL NATURE OF QUESTION PAPERS.

Bachelor of Design – Second Year (B.Des)

Semester – III

Sub- Interior Services - I

Total Marks: - 50

Duration: - 2 hrs

Instructions:-

- 1 Q. No.1 is compulsory and answers any three of remaining questions.**
 - 2 Illustrate your answer wherever necessary.**
 - 3 Figures at the right indicate full marks.**
 - 4 Assume suitable data wherever necessary & mention it.**
 - 5 Draw neat sketches wherever necessary.**
-

- | | | |
|---|--|----|
| 1 | Write short notes with sketches (any four) | 20 |
| | a) | |
| | b) | |
| | c) | |
| | d) | |
| | e) | |
| 2 | Explain the following | 10 |
| | a) | |
| | b) | |
| 3 | Long question: - | 10 |
| 4 | Long question: - | 10 |
| 5 | Long question: - | 10 |

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Interior Design –IV	L	S	Credit
Course Code:	DSC- 401	2	6	8

Course Description:

This continues to be the main subject in the curriculum. Interior design problem of moderately Complex nature is to be tackle by the students. In this semester supposed to deal with multi activity commercial spaces like, related health, education, corporate Offices, shopping and entertainment malls Clinic, Town squares, Airports, Bus stops, Railway stations, etc.

In this year students are supposed to be with innovative ideas, creative ideas in conceptualizing of the project. Semester 4th dedicated to develop innovate creative, thinking for interior Design space.

- Studies on multi- spaces.
- Design of medium to large space of moderate complexity (several functions together) like Offices. Clinic, Showrooms. Small restaurants small offices etc.
- Site visits: Site visits to complete buildings pertaining to design problems, group discussions among students, special discussions shall also be arranged with senior students, students should also play roles of clients, contractors and consultants.
- Study of groups of objects forms, masses with basic geometric forms, their compositions, for two- and three-dimensional study in relation with Basic Design.

Course Outcomes:

- Innovative, creative Thinking in conceptualizing the giving space project.
- Use of Theory of Design given Space project
- Use of Different material in Creative way for the Interior Space Planning.
- Explore Computer Aided Drafting (CAD) drafting & 3D visualization with verity of Visual presentation with hand skills.
- Explore professional design acumen with enhanced skill of planning interior Project.
- Emphasis to the relationship of space to the contextual environment, achieving design interpretations through client profiling, case study & framing of requirements.
- Application of advanced knowledge to materials used, construction techniques, furniture & services while designing highly complex and complicated spaces.
- Discuss and on décor how it enhances and reflect concept
- Explore a variety of visual presentation techniques
- Explore verbal presentation skills to elaborate design projects
- Design a large space up to 500 SQM for residential, Commercial space

Assessments:

- Continuous assessment and marking system should be followed
- Block models, preliminary models with site development, human figures with using various model making materials and techniques.
- Internal and External exams will be based on above understanding of topics.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	100	35
Internal Evaluation	90	45
External Evaluation	100	50

Course Contents:

Unit 1 To Understand importance and difference of commercial project while designing Interior species of the project

Unit 2 To Understand the focus of concern commercial project without compromise visual and aesthetical importance in the interior designing space.

Unit 3 To understand and able to design fasads of the concern commercial project given for the design

Unit 4 Understand the basic services required for multi activity spaces like, Commercial spaces like data cabling electrician HBSE faced lighting etc incorporate this services into design.

Reference Books: -

1. Interior Design - Ahmed Kasu
2. Rendering with Pen & Ink - Robert Gill
3. Time - Saver Standards for interior Design and space planning (2 Edi) - Joseph dechiara
4. Design Drawing - Francis D.K Ching
- 5 Fundamentals of interior design. - Ching, Fiancis D.K
- 6 Space design. - Jeong, Kwang Young
- 7 Neufert 4th Edition - Ernst and Peter Neufert

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Theory of Design & Visual Arts - IV	L	S	Credit
Course Code:	CC- 402	2	4	6

Course Description:

Visual Arts/Aesthetics is an art of sensitive appreciation of the “beautiful” It is the pursuit and devotion to beauty and refined taste. It is developing a well-developed sense of beauty. Visual Art is an art of Aesthetics. Sense of Aesthetics helps us to create the simple things of life in a more presentable manner.

A simple complex thing or an object when treated with aesthetic sense becomes extra ordinary and unusual. Visual Art can be termed as an art of presenting a thing, an object, or a design in such a fashion that it looks more beautiful and desirable.

Theory of design is subject in which basic elements and principles of design is being studied, and application is done in studio periods of visual arts. Ultimately Theory of design and Visual arts is used in subject Design for making commercial spaces more beautiful and desirable.

Course Outcomes:

- Develop the visual arts and design work considering elements of design for developing design projects study of principal of design considering multi activity commercial spaces
- Use of color theory for multi activity commercial species
- Over all developing visual arts and aesthetical approach for the further complex nature design project

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	100	50

Course Contents:

Unit 1 To deal with basic elements of design and application with Intellectual
– analytic critical aesthetics.

Unit 2 To develop visual and aesthetical sense with the help of 2 and 3-dimension color theory in short principle of design for more complex nature design problems.

Unit 3 To enhance hand skills to understand importance of traditional art craft etc. in the interior species

Unit 4 To Study history of fine arts which include study of artist and their styles in all aspects study of ISMS and applying the same into multi activity commercial species

Reference Books: -

1. Interior Design - Ahmed Kasu
2. Design Drawing - Francis D.K Ching
3. Fundamentals of interior Design - Ching, Francis D.K
4. Color Harmony Workbook - Rockport

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Workshop – IV	L	S	Credit															
Course Code:	CC- 403	-	4	4															
Course Description: Understand material and tools by making objects which allow students to explore forms, surfaces, textures, and patterns. Explore different joinery, support conditions and woven surfaces under trained experienced master craftsman. Also clear to communicate and establish dialogue between designed crafts skills. Understand and improve imaginations through visual art by modeling object of variety of materials to enhance the knowledge of surface, texture, forms. Clean communication to be established through activities in between design and craftsmanship. A cultural orientation may be divided to integrate with current requirement of profession.																			
Course Outcomes: <ul style="list-style-type: none">• Prepare block models, preliminary models and finished models by using metal, plaster of Paris etc..• Use tools and develop hands on skills to use materials for preparing models;• Demonstrate/apply the principle of surface forming, texture and forms.																			
Teacher Assessment: <table><tr><th>Assessment</th><th>Marks</th><th>Pass</th></tr><tr><td>CIE</td><td>10</td><td>5</td></tr><tr><td>ESE</td><td>-</td><td>-</td></tr><tr><td>Internal Evaluation</td><td>40</td><td>20</td></tr><tr><td>External Evaluation</td><td>-</td><td>-</td></tr></table>					Assessment	Marks	Pass	CIE	10	5	ESE	-	-	Internal Evaluation	40	20	External Evaluation	-	-
Assessment	Marks	Pass																	
CIE	10	5																	
ESE	-	-																	
Internal Evaluation	40	20																	
External Evaluation	-	-																	
Course Contents: Unit 1 Introduction to Photography Unit 2 To understand & experience with like Textile, weaving tile making etc. Unit 3 Preparation of Block models, Preliminary models & finish models for Interior space Design Unit 4 The Above units should be effectively linked with Interior space design and more stress will be laid on industry linkages for training and hands on experience.																			

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Interior Technology & Material – II	L	S	Credit
Course Code:	CC- 404	2	2	4

Course Description:

This course introduces students to the art and science of Interior Space emphasis will be placed gaining an understanding of Interior materials, methods and the process of translating design ideas into built form. Specific topics are introduced each week. These topics are then further, various design strategies, materials, fabrication techniques, and didactic built works are explored. As both a qualitative and a basic quantitative understanding of elementary systems are mastered, the curriculum shifts its focus onto increasingly complex systems serving entire interior The material in class requires students to have some experience and understanding of interior design, drawings and details.

Course Outcomes:

- Apply knowledge of interior material, methods and processes to transform idea in to design;
- Draw and develop the design for False sealing, flooring and metal;

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	50	18
Internal Evaluation	40	20
External Evaluation	100	50

Course Contents:

Unit 1 FALSE CEILING

Introduction to ceilings- types of ceilings --metal coated strip sections, ply, pop, gypsum [readymade branded ceiling systems] -construction details of the above-mentioned ceilings.

Unit 2 FLOORING MATERIALS

Introduction to flooring material – types of flooring material, natural stones, natural wood vitrified flooring tiles, cement paving blocks, synthetic flooring tiles or rolls, laminated flooring tiles, clay tiles etc -

Unit 3 FLOORING CONSTRUCTION

Introduction to construction of flooring – types of flooring material, natural stones, vitrified flooring tiles, cement paving blocks, synthetic flooring tiles or rolls, laminated flooring tiles, - to Understand & study construction methods of above-mentioned flooring materials. tile on tile construction method of fixing tiles etc.

Unit 4 METALS

Ferrous & nonferrous metals and alloys – pig iron-cast iron-wrought iron-mild steel-high carbon steel-copper-aluminum-brasses-bronze-model metal-uses of above-mentioned metals, alloys, & their properties.

Reference Books

1. Engineering Materials - S.C Rangwala
2. Interior Design - Ahmed Khasu
3. Building construction Metric volume.1 - J.K.Macky
4. Building construction Metric volume.2 - J.K.Macky
5. Building construction Metric volume 3 M.B..Macky
6. Building construction Metric volume.4 M.B..Macky
7. The Construction Of Building vol.3 - Barry
8. Barry The construction of buildings 4 - Barry
9. Building Construction Illustrated - 5th Edition - Frances D.K.Ching

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Interior Services - II	L	S	Credit
Course Code:	CC- 405	2	-	2

Course Description:

This subject supports basically to interior Technology & Interior Design. This subject includes different technology used for different services included in the interior design. This subject is to understand basic products used in a service to work use & effectually designed spaces.

This subject includes basic of lighting, HVAC, fire protection.

Course Outcomes:

- Describe the different classification and functions of lighting, climatology and fire protection;
- Develop the drawing/plan lighting and fire system;
- Draw the sketches of lighting systems and ventilators;
- Describe different types of fire protection systems and equipment.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	50	18
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents: -

Unit 1 LIGHTING –NATURAL

Introduction - Natural lighting - " Artificial lighting. Natural lighting - Daylight - Daylight factors. Direct light - Indirect light - defused light

Unit 2 ARTIFICIAL ILLUMINATION

Introduction -- Artificial lighting. Artificial lighting - types of lighting systems
General lighting system - Direct light - Indirect light - defused light - Types of fittings - Down - lighters - wall washers - up - lighter Task lighting – Accent lighting - terminology like Lux, Lumens - illuminations required in Various areas - Variety of Lamps - Incandescent lamps - Tang stem Halogen lamps - Florescent lamps - Mercury lamps - sodium vapor lamps - flicker Emergency lightings - Lighting Accessories - Protection devices-etc..

Unit 3 STUDY OF CLIMATIC CONDITION & INTRODUCTION TO HVAC

Building Environments: -

Ventilation - furniture requirements – Heat balance of the body - system of ventilation - Natural ventilation - general rules of ventilation - Artificial ventilation- etc.

Unit 4 FIRE PROTECTION

Introduction - fire protection - Requirement of water - systems of firefighting - External & Internal - wet & dry riser - sprinkler system - firefighting equipment - Means of escapes, staircase lifts – etc.

Reference Books

1. Building Services - S.M. Patil
2. Water Supply & Sanitary Engineering - Ranwala
3. Interior Design - Ahamad Khasu

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Graphics - IV	L	S	Credit
Course Code:	DSC- 406	1	3	4

Course Description:

Developing visualization and imagination through one-point perspective, two-point perspective is a key of element in developing interior space design.

Course Outcomes:

- Demonstrate/Develop the shades and shadows in interior design;
- Explore principles of two point and 3 points in perspective of simple objects and interior design;
- Explore perspective of interactive design in 3D sketching.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	100	35
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 Introduction Sociography & Study of shades and shadows.

Unit 2 Implementation of concepts of Sociography of point, line, shapes & forms in 2D

Unit 3 Application of sociography in one-point perspective drawing of simple / complex objects of interior & exterior.

Unit 4 Application of sociography in two-point perspective drawing of simple / complex objects of interior & exterior.

Reference Books

1. Rendering with Pen & Ink - Robert Gill
2. Interior Design - Ahmed Khasu

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	History - IV	L	S	Credit
Course Code:	AECC- 407	2	-	2

Course Description:

- This Subject is to develop awareness of the material cultures and life styles associated with past civilizations and their relevancy to contemporary design.
- Identify furniture styles and understanding and its relationship to social, economic, and political conditions influences on contemporary design.
-

Course Outcomes:

- Explore the material cultures and life styles associated with different cultures;
- Explore with sketch/drawing the features of different architecture;
- Explore the principles of design in different culture in the development of design/furniture design.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 Introduction to the Indian and western Architecture, Islamic Architecture in India

Unit 2 Introduction to the Byzantine Architecture, Introduction to the Gothic Architecture

Unit 3 Introduction to the Renaissance Architecture

Unit 4 Colonial Architecture of India

Above topics should be studied with respect to orders, building types, aesthetical characters, and technology. These civilizations introduced the classic idiom that consistently reappeared over the centuries and established the framework for inquiry by which historical study is analyzed in this field. Study should examine the evolution of interior design. How social, political, artistic, economic, technological, religious, and cultural forces impact the evolution of interior design.

Reference Books: -

1. History of Architecture - Banister Fletcher
2. Interior Design – Ahmed A Kasu
3. Indian Architecture - Percy Brown
4. Islamic Architecture - Percy Brown
5. World Architecture - G.K.Hiraskar

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Presentation Techniques - II	L	S	Credit
Course Code:	AECC- 409	-	2	2

Course Description:

This subject is to developing skills in non – graphic applications of computer as required for Interior profession and office management such as word processing, spreadsheets, power point presentations, databases etc.

Course Outcomes:

- Use techniques of 3D modeling;
- Apply the lighting aspects of 3D models;
- Explore techniques of productivity and management payers and symbol generations;
- Operate/ use different commands for drafting and presentation and viewing by using software's.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 Introduction to interactive multimedia technology for design presentation
Computer application in Interior Design

Unit 2 Concept of 3D modeling, Introduction to 3D modeling. Study lighting aspect like shades and shadows of 3D models. 3D model of small-scale Interior projects.

Unit 3 Concept of UCS, 3 Dimensional drawings primitive mesh and surfaces. Viewing commands & Viewpoints.

Unit 4 Introduction to shading & rendering. Rendering and hatching.

Reference Books

1. Rendering with Pen & Ink - Robert Gill
2. Residential Design Using AutoCAD 2022 - Daniel John Stine

LIST OF OPEN ELECTIVES	
Offered By INTERIOR DESIGN	
GENERIC ELECTIVE	2 Credit
<p>Any Three electives topics are compulsory to attempt for getting marks & Credits from generic electives from the following.</p> <ol style="list-style-type: none"> 1. Software Skills for 2 D/ 3D 2. Content writing and docs 3. Advanced product design Etc. 4. Event Management <p>Note: - Any Other Generic Electives in each semester are subjected to change as per the need of the industry, Market and skill requirements as per specific time and syllabus.</p>	

GENRAL NATURE OF QUESTION PAPERS.

Bachelor of Design – Second Year (B. Des)

Semester – IV

Sub- Interior Design - IV

Total Marks: - 100

Duration: - 9 hrs

Instructions: -

- 1. Assume suitable data wherever necessary and mention it.**
 - 2. You can use only suitable presentation technique on the given paper only.**
 - 3. Refer drawing given.**
-

- Design problem - Title
- Design problem – Brief
- Requirements of the design problem given:
- Drawing Requirements: -
 - 1) Concept & furniture layout plan
 - 2) Sectional Elevations (Min- 2)
 - 3) Views to explain the interior design scheme. (Min-2)
 - 4) Furniture detail (any one)
 - 5) Ceiling and flooring layout.

(Note:- Marking Distribution will be as per requirements design problem)

GENERAL NATURE OF QUESTION PAPERS.

**Bachelor of Design – Second Year (B. Des)
Semester – IV
Sub- Interior Technology & Material – II**

Total Marks: - 50

Duration: - 2 hrs

Instructions: -

- 1. Q. No.1 & 2 is compulsory and answer any two of remaining questions.**
 - 2. Illustrate your answer wherever necessary.**
 - 3. Figures at the right indicate full marks.**
 - 4. Assume suitable data wherever necessary & mention it.**
 - 5. Draw neat sketches wherever necessary.**
-

- | | |
|---|----|
| 1. Design & Draft: | |
| a) | 10 |
| b) | 10 |
| c) | 09 |
| 2. Answer the following with sketches: | |
| a) | 07 |
| b) | |
| 3. Answer the following: | 07 |
| 4. Answer the following questions: - | 07 |
| 5. Answer the following questions in brief: | 07 |

GENERAL NATURE OF QUESTION PAPERS.

Bachelor of Design – Second Year (B.Des)
Semester – IV
Sub- Interior Services - II

Total Marks: - 50
Duration: - 2 hrs

Instructions: -

- 1. Q. No.1 is compulsory and answer any three of remaining questions.**
- 2. Illustrate your answer wherever necessary.**
- 3. Figures at the right indicate full marks.**
- 4. Assume suitable data wherever necessary & mention it**
- 5. Draw neat sketches wherever necessary.**

Write short notes with sketches (any four)	20
a)	
b)	
c)	
d)	
e)	
2 Explain the following system of plumbing	10
a)	
b)	
3 Long question: -	10
a)	
b)	
4 Long question: -	10
a)	
b)	
5 Long question: -	10

GENERAL NATURE OF QUESTION PAPERS.

Bachelor of Design – SECOND YEAR (B.Des)

Semester – IV

Sub- Graphics - IV

Total Marks: - 100

Duration: - 3 hrs

Instructions: -

- 1. All the questions are compulsory.**
 - 2. Figures given to the right indicate marks of the questions.**
 - 3. Assume suitable data wherever necessary and mention it.**
-

Q. 1 Draw Plan\ first elevation \ side elevation\ section of the object given.

Q. 2 Draw perspective view of the object given.

Q. 3 Draw Sociography in plan, elevation & in perspective in Q no. 1 & Q. no 2

(Note: - Marking Distribution will be as per requirement)