

Schemes and Syllabus

Bachelor's in Interior designing



Atal Shiksha Nagar (Kallujhanda), P.O.
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BACHELOR IN INTERIOR DESIGNING

COURSE SCHEME

Semester wise Scheme

SEMESTER I

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
BID- 101	Graphics – I	3	0	0	3	3.5	60	40	100
BID- 102	Aesthetics - I	3	0	0	3	3.5	60	40	100
BID- 103	Material Studies & Its Application-I	3	0	0	3	3.5	60	40	100
BID- 101P	Basics of Drafting Techniques	0	0	2	2	1	15	10	25
BID-102P	Basics of Interior Design & Graphics	0	0	2	2	1	15	10	25

SEMESTER II

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B1D-201	Material Studies & Its Application-II	3	0	0	4	3.5	60	40	100
B1D- 202	Graphics – II	3	0	0	4	3.5	60	40	100
BID-203	Aesthetics –II	3	0	0	4	3.5	60	40	100
BID-204	Design Studio-I	3	0	0	4	3.5	60	40	100
BID-201P	Furniture Design - I	0	0	2	2	1	15	10	25
BID-202P	Computer In Design - I	0	0	2	2	1	15	10	25

SEMESTER III

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
BID-301	Interior Furnishing	3	0	0	4	3.5	60	40	100
BID-302	History of Interior –I	3	0	0	4	3.5	60	40	100
BID-303	Estimation & costing –I	3	0	0	4	3.5	60	40	100
BID-301P	Construction Technology-III	0	0	2	2	1	15	10	25
BID-302P	Design Studio-II	0	0	2	2	1	15	10	25
BID-303P	Furniture Design - II	0	0	2	2	1	15	10	25

SEMESTER IV

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
BID-401	History of Interior Design & Furniture	3	0	0	4	3.5	60	40	100
BID-402	Estimation & costing –II	3	0	0	4	3.5	60	40	100
BID-403	Interior Services – I	3	0	0	4	3.5	60	40	100
BID-401P	Building Service Design	0	0	2	2	1	15	10	25
BID-402P	Design Studio - II	0	0	2	2	1	15	10	25

SEMESTER V

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
BID- 501	Interior Services -II	3	0	0	4	3.5	60	40	100
BID- 502	Interior Design – 1	3	0	0	4	3.5	60	40	100
BID- 503	Working Drawing - I	3	0	0	4	3.5	60	40	100
BID- 501P	Computer in Design	0	0	2	4	3.5	60	40	100
BID- 502P	Project Management	0	0	2	4	4	60	40	100
BID-503P	Professional Practice	0	0	2	4	3.5	60	40	100

SEMESTER VI

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
BID-601	Introduction to Art & Interior	3	0	0	4	3.5	60	40	100
BID-602	Interior Landscape Design	3	0	0	4	3.5	60	40	100
BID-601P	Research Methodology	0	0	4	3	3	60	40	100
BID-602P	Industrial Visit	0	0	4	3	3	60	40	100

Table of Content

Section	Content	Page no.
1	Program Outcomes and Program Specific Outcomes	
2	Semester wise Scheme	
3	Semester wise Syllabus	

Program Outcomes and Program Specific Outcomes

Program Outcomes

PO1: Nurturing abilities through transforming imagination to build environment.

Program trains students with the core values of interior design field. It also makes students capable of using core concepts like space perceptions, design principles, managements skills in the conceptualization of built environment and transfer imagination in to build environment.

PO2: Learning through experimentation with materials hands on.

Hands-on learning is where instructors engage with students in direct experience and focused reflection to enhance students' knowledge, skillset and values. With this Students learn from partaking in activities rather than learning. The program develops the skills of critical thinking, problem solving, learning of various techniques, and understanding the essence of the materials.

PO3: Creating sensitivity towards environmental issues.

The program trains students with the latest methods that are being used in the industry. The continuous syllabi review adds value to the program for the outgoing students and make them ready to face the environmental issues and demands of the industry.

PO4: Training an individual to create qualitative physical environment.

The program teaches the students to apply the related tools to solve real world problems resulting in to user friendly qualitative immediate physical environment.

PO5: Nurturing Project design Planning and Management related capabilities

The program trains students for designing and conceptualizing the architecture, planning and managing the project development. it also makes students understand the decision making for selection of an appropriate project management capabilities.

PO6: Teaching the use of appropriate solutions for (very specific problem)

Thesis Project Development Real world project/ Design Thesis provide the

candidates exposure to work in the challenging and demanding environment like of the industry. The professional training and thesis project together makes students employable and industry ready.

PO7: Team Work and Leadership Development

Trains students to work in a team and also to take leadership of the project as well

Program: BID	Semester: 1 st
Course Title: GRAPHICS – I	Course Code: BID-101

Course Outcomes

1. Students understand the fundamentals and classification of designs.
2. Get practical exposure about design elements and impart it in the development of figures.
3. Get exposed to the role of colour on human psychology and will be able to plan to use colours in design.
4. Enable students to understand the nature of different principles of design and their application in interiors.
5. Students will understand and learn to apply good design criteria in interiors.

Theory

3 hours/ week

Unit	Topic	Hours
1	Introduction of drawing equipments, materials and methods of using them. Scale & its application for drawing geometric shapes.	9
2	Rendering techniques of 2D drawings along with human figures, accessories with and without using stencils.	9
3	Lettering – Different styles.	9
4	Free hand sketching of furniture, and interior schemes, landscape etc.	9
5	Orthographic projections of geometric forms & furniture items.	9

Assessment Process (Internal)

Criteria	Marks
MST*	25
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 25 marks.

#Assignment: Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 1st
Course Title: Aesthetics - I	Course Code: BID-102

.Course Outcomes

1. Students understand the fundamentals and classification of designs.
2. Get practical exposure about design elements and principles of design and impart it in the development of figures.
3. Understand the different Folk and Tribal designs.
4. Students will get the knowledge about colour theories and its application in Design.
5. Students will understand and learn to prepare accessories.

Theory

3hours/ week

Unit	Topic	Hours
1	Elements of Design : Elements of Design – Point, Line, Shape, Form, Colour, Texture, Light, Time Geometry of Design	8
2	Optical Illusion: Application in Interior Design topics. Colour planning : Visual Effects, Psychology, Applications types of colour different schemes & its uses in interior.	9
3	Texture Planning : Visual Effects, Psychology, Applications types of Texture different schemes & its uses in interior.	10
4	Interior Designer & Decorator : Difference between Designer and decorators.	8

Assessment Process (Internal)

Criteria	Marks
MST*	25
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 25 marks.

#**Assignment:** Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 1st
Course Title: Material studies & its application-I	Course Code: BID-103

Course Outcomes

1. Students understand the basic materials used in construction.
2. Students will know the properties and uses of different building materials.
3. Get exposed to the availability of different types of Timber and their defects, engineering wood and veneers.
4. Enable students to understand the different varieties of Paints and Adhesives and their application in interiors
5. Get practical exposure in collecting samples of building materials and creation of material

Theory

3hours/ week

Unit	Topic	Hours
1	<p style="text-align: center;">Lime, Sand, cement, Concrete, Mortar</p> <ul style="list-style-type: none"> • Introduction to unit • Different types, Application • Manufacturing, mix ratios • Precautions in handling, Storage, uses. 	12
2	<p style="text-align: center;">Plaster, brick,</p> <ul style="list-style-type: none"> • Introduction to unit • To study manufacturing • Types, application. 	11
3	<p style="text-align: center;">Stone</p> <ul style="list-style-type: none"> • Introduction to Unit, • Uses, Classification, • Specification of marble, granite, sandstone, • dressing of stone, types, properties, • classification & uses 	11
4	<p style="text-align: center;">Fabric</p> <ul style="list-style-type: none"> • Introduction to unit, • Types (natural & Artificial), properties & it uses. 	11

Assessment Process (Internal)

Criteria	Marks
MST*	40

Assignment#	10
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 40 marks.

#Assignment: Two assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 1st
Course Title: BASICS OF DRAFTING TECHNIQUES	Course Code: BID-101P

Course Outcomes

1. The students understand parts of the staircase, classification and materials used for staircase construction.
2. Get knowledge about the diverse types of flooring and materials used for floor covering.
3. The students get exposed to carpet selection, laying techniques and maintenance.
4. The students gain knowledge about the ceilings, arches used in building.
5. The students learn the functions of Lintels.

Theory

3hours/ week

Unit	Topic	Hours
1	<p>Use of Instruments: List of instruments. To impart the basic skills to working with instruments</p> <p>To teach the fundamentals of instrument operation.</p> <ul style="list-style-type: none"> • Lines • Basic understanding of various Shapes, Forms, & their structure. • Understanding basics principles of perception including depth & their representation. <p>Lettring : Roman lettering, Gothic and Italics.</p> <ul style="list-style-type: none"> • Free hand lettering, Single line lettering, Broad pen lettering, Stylized lettering, Spacing, Lettering with the help of Stencils. 	9
2	<p>Use of Scales: Use of different types of scales in drawing.</p> <ul style="list-style-type: none"> • Scale (Reducing Scale, Full scale & Enlarging scale) • Representative fraction. • Use of MKS & FPS measuring scale. 	9
3	<p>Isometric views & Axonometric views of solids- Cube, Cuboid, (plan and elevation) Cone, square, pyramid, hexagonal pyramid, square prism, triangular prism, hexagonal prism & composition. Make drawings of a room in 3 Dimension Isometric views.</p> <p>Orthographic Projections: Projection of solids- Cube, Cuboid, (plan and elevation) Cone, square, pyramid, hexagonal pyramid, square prism, triangular prism, hexagonal</p>	9
4	<p>Axonometric Drawing- Projection of all solids such as square, rectangle, cube, circle, hexagonal at least 6 shapes and sphere etc. – Axonometric projection of singly and</p>	9

	doubly curve surfaces.	
5	One Point Perspective: - <ul style="list-style-type: none"> • 3D drawing of room with furniture. 	9
	Two Point Perspective: - <ul style="list-style-type: none"> • Represent drawings in 3 dimensions using two point perspective. 3D drawing of room with furniture. 	

Assessment Process (Internal)

Criteria	Marks
MST*	25
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 25 marks.

#**Assignment:** Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: _____ BID _____	Semester: ___ 1st _____
Course Title: BASICS OF INTERIOR DESIGN & GRAPHICS	Course Code: _ BID-102P ___

Course Outcomes

1. The students gain awareness of how textures, patterns and materials can be represented through free hand sketching, colouring and hatching.
2. The students will develop drafting techniques and Impart knowledge about the fundamentals of scales, conversion and its applications.
3. The students understand the signs and symbols used in architectural drawings.

Theory

3hours/ week

Unit	Topic	Hours
1	Lines, Illusion & Mural collage making <ul style="list-style-type: none"> • Types Of Lines, Meaning, Psychology & Emotions of Lines • Mural & collage as an Art forms. Rending Techniques & Plants Sketching <ul style="list-style-type: none"> • Different techniques used in architectural drawings. • Different structure of trees. 	11
2	Design, Structural and Decorative Design <ul style="list-style-type: none"> • Definition, Functional design, Traditional design, Folk and modern design. Purpose of design. All this must be supported with examples from everyday life and nature. Elements of Design <ul style="list-style-type: none"> • Introduction of unit • Elements of Design- Dot, Line, Shape, Form, Texture, Light, Depth, Pattern etc. Hands on exercise for understanding elements of design. 	12
3	Principles of Design <ul style="list-style-type: none"> • Introduction of unit • Principles of design –Contrast, Harmony, Rhythm, Balance, Unity, Proportion, Scale etc. • Hands on exercise for understanding principles of design. Color Theory <ul style="list-style-type: none"> • Color theory, • Tints, Shades and Tones, Color Schemes, Its use and application in Interior. Color psychology, symbolism, expression-color basics- (physics of light, pigments etc.)	11
4	Composition- 2D <ul style="list-style-type: none"> • Introduction of unit • Understanding shapes and forms, basic geometry in shapes. • 2D composition of geometrical shapes, free hand doodling and composition. 	11

	<p>Anthropometrics And Ergonomics</p> <ul style="list-style-type: none"> • To know about how individual measurements affect the design of work environment. • Definition, theory of standard dimension based on human figures for activities, functions, circulation, furniture design, spatial requirements etc. • Study of Ergonomics. 	11
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Assessment Process (Internal)

Criteria	Marks
MST*	25
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 25 marks.

#**Assignment:** Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

SEMESTER II

Program: _____ <u>BID</u> _____	Semester: _____ <u>2nd</u> _____
Course Title: MATERIAL STUDIES & ITS APPLICATION	Course Code: __ BID 201

Course Outcomes

1. Students understand the basic materials used in construction.
2. Students will know the properties and uses of different building materials.
3. Get exposed to the availability of different types of Timber and their defects, engineering wood and veneers.
4. Enable students to understand the different varieties of Paints and Adhesives and their application in interiors
5. Get practical exposure in collecting samples of building materials and creation of material

Practical

2hours / week

Unit	Topic
1	Tile <ul style="list-style-type: none">• Introduction to unit• types, properties Uses, Classification,
2	Timber & By products <ul style="list-style-type: none">• Introduction to unit• To study its terminology Classification, uses, defects, seasoning, it's by products.
3	Architectural Glass <ul style="list-style-type: none">• Introduction to unit• To study the composition, manufacturing Types & uses of different types of architectural glass.
4	Paints Varnishes and Distemper <ul style="list-style-type: none">• Introduction to unit• To learn about different types of paints• composition, defects painting new & old surfaces

Assessment Process (Internal)

Criteria	Marks
MST*	5
Assignment#	5
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 5 marks.

#**Assignment:** Two assignments should be given, each to carry 2.5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: _____ BID _____	Semester: _____ 2ND _____
Course Title: GRAPHICS-II	Course Code: _ BID-202__

Course Outcomes

1. The students gain awareness of how textures, patterns and materials can be represented through free hand sketching, colouring and hatching.
2. The students will develop drafting techniques and Impart knowledge about the fundamentals of scales, conversion and its applications.
3. The students understand the signs and symbols used in architectural drawings.
4. The students will be able to represent the 3D objects as isometric views.
5. The students will be able to interpret and develop the orthographic diagrams from images

Practical

2hours / week

Unit	Topic
1	Proficiency in 3D drawings Sciography in 2D & 3D drawings for Interior Schemes
2	Perspectives with measuring point methods. One point three wall Two point two wall Two point three wall Planometric
3.	Model making of interior scheme.
4.	Presentation drawings with different media.

Assessment Process (Internal)

Criteria	Marks
MST*	5
Assignment#	5
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 5 marks.

#**Assignment:** Two assignments should be given, each to carry 2.5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 2ND
Course Title: ASTHETICS-II	Course Code: BID-203

Course Outcomes

1. Students understand the fundamentals and classification of designs.
2. Get practical exposure about design elements and impart it in the development of figures.
3. Get exposed to the role of colour on human psychology and will be able to plan to use colours in design.
4. Enable students to understand the nature of different principles of design and their application in interiors.
5. Students will understand and learn to apply good design criteria in interiors.

Practical

2hours / week

Unit	Topic
1	Principles of Design : Balance , Proportion, Mass, Harmony & Diversity, Center of Interest, Repetition, Gradation
2	Emphasis of Design : Application in Interior Design topics.
3	Aesthetics of Furniture & Furnishings : Trends & Study of historical pieces, different styles & developments (introductory only).
4	Ergonomics in Interior designing.

Assessment Process (Internal)

Criteria	Marks
MST*	5
Assignment#	5
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 5 marks.

#**Assignment:** Two assignments should be given, each to carry 2.5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: B1D	Semester: 2ND
Course Title: DESIGN STUDIO-I	Course Code: BID-204

Course Outcomes

CO1: Students will develop knowledge, skills, and judgment around human communication that facilitate their ability to work collaboratively with others.

CO2: Providing clarity and direction

CO3: Building trust.

CO4: Practice active listening. Effective communicators are always good listeners

Practical.

2hours / week

Unit	Topic
1	<p style="text-align: center;">Introduction to Design Process</p> <ul style="list-style-type: none"> • Introduction of Design problem. • Lecture on basic design process including user needs, program analysis, area analysis, market survey, site analysis etc. • Discussion based on the existing exercise and the understanding of students.
2	<p style="text-align: center;">Introduction to design Project - Study Area/Bunk Bed/ Master Bed Room</p> <ul style="list-style-type: none"> • To introduce to students, the design of a building with complexities related to workspaces, services, structures and site planning. • Literature/Case Studies • Design Concept -Developing concepts for the design project.
3.	<p style="text-align: center;">Introduction to design Project - Teenager's Room/ Kitchen/ Bathroom</p> <ul style="list-style-type: none"> • To introduce to students, the design of a building with complexities related to workspaces, services, structures and site planning. • Literature/Case Studies • Design Concept -Developing concepts for the design project. drawings & Isometric view.
4.	<p style="text-align: center;">Introduction to design Project – Drawing Room & Dining Area/Duplex/ Villa</p> <ul style="list-style-type: none"> • To introduce to students, the design of a building with complexities related to workspaces, services, structures and site planning. • Literature/Case Studies • Design Concept -Developing concepts for the design project.

Assessment Process (Internal)

Criteria	Marks
MST*	5
Assignment#	5
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 5 marks.

#**Assignment:** Two assignments should be given, each to carry 2.5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: <u>BID</u>	Semester: 2ND
Course Title: FURNITURE DESIGN -I	Course Code: BID-201P

Course Outcomes

The students will have creative ability to develop forms for constructing simple and complex 3D models.

1. The student will learn about wood joinery.
2. The student will learn to design and construct a furniture piece.
3. Students will get know the different materials can be used in furniture making.
4. Students will gain knowledge about recycling and retrofitting of old furniture.

Practical

2hours / week

Unit	Topic
1	<p>Introduction</p> <ul style="list-style-type: none"> • Introduction to unit, • Exploration of the idea of furniture, role of furniture in interior design, • Application in furniture design. • Overview of Furniture categories. <p>Learn to graphically represent & design different types of materials.</p>
2	<p>History of Furniture</p> <ul style="list-style-type: none"> • Awareness of the relationship of design history in order to create new designs infurniture. <p>Furniture designers and movements.</p>
3	<p>Furniture Systems</p> <ul style="list-style-type: none"> • Furniture design for various context and spaces – residences, corporate, commercialetc. • Multi-functional & space-saving furniture; modular approach to furniture design. <p>Furniture Detailing and Construction</p> <ul style="list-style-type: none"> • Introduction to unit, • Introduction to different materials • Joinery details and manufacturing methods
4	<p>Implementation in Design Problem</p> <ul style="list-style-type: none"> • Exercise oriented by innovative explorations, observation and constrains, to design furniture, by providing measured drawing – plan, elevation, Iso-metric view (3d) and detailing on full scale, supported by prototype. <p>Design Problem-I (Bedroom Furniture)</p> <ul style="list-style-type: none"> • Bed & Bedside Table • Cabinet
	<ul style="list-style-type: none"> • Seating • Dressing Table • LCD/TV Panel

Assessment Process (Internal)

Criteria	Marks
MST*	20
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 20 marks.

#**Assignment:** Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 2ND
Course Title: COMPUTER IN DESIGN-I	Course Code: BID-202P

Course Outcomes

1. Understand the fundamentals of Adobe Photoshop and how to navigate the interface.
2. Learn how to work with layers, selections, and masks to create complex designs and artwork.
3. Gain expertise in colour correction, photo retouching, and compositing.
4. Discover techniques for organizing workflow and managing projects efficiently.
5. Develop a portfolio of high-quality work that showcases skills and creativity.

Theory

3hours / week

Unit	Topic	Hours
1	Introduction to Microsoft Office and SOFTWARE Brief overview of computer components – ROM, RAM, input devices, output devices, platforms etc. <ul style="list-style-type: none"> • Knowledge on basic hardware and software required for Design applications. MSoffice, photo editing techniques, use of Worldwide Web. 	9
2	Multi-media Presentations: (MS Office) <ul style="list-style-type: none"> • MS Word- Introduction to MS Word, Page Layout and Paragraph, Tables, Mail Merge, Introduction to Mail Merge, Working with Mail Merge, pasting of pictures in word document and how to filter the pictures. • MS PowerPoint - Introduction to MS Power Point, Slide Management, Navigation schemes, Applying and modifying designs, Graphics & Multimedia, Creating presentation for the web. Pasting of pictures in slides and how to filter the pictures. MS Excel- Introduction to MS Excel, Formatting worksheet & printing worksheet, Charts Terminology, Working with Macros	9
3	Internet Concepts Use of internet, various search engines, searching strategies, saving images and documents from internet in different formats, e-mails, conferencing etc. Introduction of CADD & its importance in designing <ul style="list-style-type: none"> • Function keys, Shortcut keys 	9

	<ul style="list-style-type: none"> • Different sizes of paper • CADD Application & its features Use of drawing elementary CADD commands – Line, Polyline, Polygon, Circle, Arc, Ellipse, Text etc.	
4	AUTOCAD Use of modifying Elementary Commands – Erase, Move, Copy, Mirror, Offset, Scale, Stretch, Chamfer, fillet & explode. Making layers, line type & Line weight. Different menus of Auto-Cad, Function keys, Shortcut keys, Paper size.	9
5	Drafting Techniques <ul style="list-style-type: none"> • Practice on Drawing basics • Geometrical Drawing Practice • Making plan and projection Drafting of building plan, Elevation, Section Views	9

Assessment Process (Internal)

Criteria	Marks
MST*	25
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 25 marks.

#**Assignment**: Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

SEMESTER III

Program: _____ BID _____	Semester: 3 RD
Course Title: Interior Furnishing	Course Code: BID-301

Course Outcomes

1. Students understand the fundamentals and classification of designs.
2. Get practical exposure about design elements and impart it in the development of figures.
3. Get exposed to the role of colour on human psychology and will be able to plan to use colours in design.
4. Enable students to understand the nature of different principles of design and their application in interiors.
5. Students will understand and learn to apply good design criteria in interiors.

Theory

3hours / week

Unit	Topic	Hours
1	Carpets: <ul style="list-style-type: none"> • Introduction & History of carpets • Uses • Types of carpets available in the market • Understanding different technique & Material used for construction. 	10
2	Upholstery: <ul style="list-style-type: none"> • Definition & History of upholstery • Uses of upholstery • Materials used in upholstery. • Styles of upholstery. • Importance of upholstery in interior design. 	9
3	Rugs and Durries: <ul style="list-style-type: none"> • Definition & their history in India. • Different sizes of rugs and durries available in the market. • Uses of Rugs and durries. • Construction technique. • Importance of Rugs and durries in interior design. 	9
4	Drapery & Curtains: <ul style="list-style-type: none"> • Different fabrics available & their uses accordingly. • Different styles. 	10

Assessment Process (Internal)

Criteria	Marks
MST*	25
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 25 marks.

#**Assignment:** Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 3RD
Course Title: History of Interior –I	Course Code: BID-302

Course Outcomes

- 1.The students get exposed to the transformation of arts, architectural design, interiors and furniture of different eras.
2. Students will be able to assess the transformation of building materials from the Stone Age to modern era.
3. The student distinguishes different furniture styles and their characteristic features.
4. The students study the work and styles of eminent interior designers.
5. The student will be enriched with latest information of the industry and can perceive future

Theory

3hours / week

Unit	Topic	Hours
1	Significance of Furniture, Prehistoric and Indigenous design	12
2	History of furniture in the Ancient world, History of furniture in the middle ages	11
3	Furniture development in – Italy, France, England,History of the 20 th century, Eclecticism, Neoclassicism	11
4	Recent directions <ul style="list-style-type: none"> • Late modernism • High loch • Post modernism Non-European Traditions	11

Assessment Process (Internal)

Criteria	Marks
MST*	25
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 25 marks.

#Assignment: Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 3rd
Course Title: Estimation & costing-I	Course Code: BID-303

Course Outcomes

1. The students will learn the concept of project and the need of cost management.
2. Students will learn the phases of project planning and preparing feasibility report.
3. The students get exposed to technique of cost planning and budgeting.
4. The students will understand organising techniques, accountability and tendering procedures.
5. The students will be able to outline the skills, duties and authorities of a project manager.
6. The student gets an insight on the tendering procedures.

Theory

3hours / week

Unit	Topic	Hours
1	Introduction to Estimation 10 Estimation – definition, purpose, types of estimate, and procedure for Estimating the cost of work in order to implement an interior design project or to make products related to interior design like furniture, artifacts etc.	9
2	Estimate of Buildings <ul style="list-style-type: none"> • Units Of Measurements • Rules For Measurement • Requirements Of Estimation and Costing • Procedure Of Estimating or Method of Estimating • Data Required to Prepare An • Estimate, Drawings, Specifications, Rates • Lumpsum Work Charged Establishment • Methods of Taking Out Quantities • Long Wall-Short Wall Method • Centre Line Method • Partly Centre Line and Partly Cross Wall Method 	9
3	Analysis & Estimation Format Rate Rate Analysis – definition, method of preparation, quantity & labour estimate for woodwork, steelwork, Aluminum work, glass & its rate for different, thickness & sections, finishing (enamel paint, duco paints, melamine, DU coats, Hand polishing, veneering and laminating) for walls & ceilings. Electrical & plumbing products, wiring, ducting etc., and laying of tiles & wall paneling in the estimate format of the project.	9
4	Detailed Estimate	

	Detailed Estimate – data required, factors to be considered, methodology of preparation, abstract of Estimate, contingencies, labour charges, bill of quantities, different methods of estimate for interior design works, methods of measurement of works.	9
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Assessment Process (Internal)

Criteria	Marks
MST*	40
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 40 marks.

#**Assignment:** Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 3rd
Course Title: Construction Technology-III	Course Code: BID-301P

Course Outcomes

1. The students understand parts of the staircase, classification and materials used for staircase construction.
2. Get knowledge about the diverse types of flooring and materials used for floor covering.
3. The students get exposed to carpet selection, laying techniques and maintenance.
4. The students gain knowledge about the ceilings, arches used in building.
5. The students learn the functions of Lintels.

Theory

3hours / week

Unit	Topic	Hours
1	Staircase <ul style="list-style-type: none"> • Introduction to unit, • To study its terminology, location, requirement of good staircase, • Classification, sizes, computing of RCC staircase (dog legged, open well, straight flightonly). • To learn to represent the same through drawing/drafting. 	9
2	Partition <ul style="list-style-type: none"> • Introduction to unit • Types of partitions, typical details • Fixtures of various partitions and its specifications. • To learn to represent the same through drawing/drafting. 	8
3	Paneling <ul style="list-style-type: none"> • Introduction to unit • To make technically correct drawings of the panelling with different materials. To learn to represent the same through drawing/drafting.	8

Assessment Process (Internal)

Criteria	Marks
MST*	25
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 25 marks.

#Assignment: Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: _____	Semester: 3rd
Course Title: Design Studio-II	Course Code: BID-302P

Course Outcomes

1. The students gain awareness of how textures, patterns and materials can be represented through free hand sketching, colouring and hatching.
2. The students will develop drafting techniques and Impart knowledge about the fundamentals of scales, conversion and its applications.
3. The students understand the signs and symbols used in architectural drawings.

Practical

2hours / week

Unit	Topic
1	<p>Introduction to Design Process</p> <ul style="list-style-type: none"> • Introduction of design problem • Lecture on basic design process including user needs, program analysis, area analysis, market survey, site analysis etc. Discussion based on the existing exercise and the understanding of students.
	<p>Introduction to design Project – Commercial Office</p> <ul style="list-style-type: none"> • To introduce to students, the design of a building with complexities related to workspaces, services, structures and site planning. • Literature/Case Studies <ul style="list-style-type: none"> ➤ Understanding the role & process of a case study and choose the relevant • Design Concept -Developing concepts for the design project. <ul style="list-style-type: none"> ➤ To help students evolve their design by understanding relationship between forms, function and space and explain design idea with the help of sketches. Layout Plans& drawings – Plan, Sectional Elevation, furniture layout, detailed interior drawings & Isometric view and 3D Model
	<p>Introduction to design Project – Salon/ Café/ Retail Office</p> <p>To introduce to students, the design of a building with complexities related to workspaces, services, structures and site planning.</p> <ul style="list-style-type: none"> • Literature/Case Studies & Standards. <ul style="list-style-type: none"> ➤ Understanding Project Brief/ Drawing of Spaces & Area/ Requirement and how to read a project brief. Which includes interior designing of a Interior Designer Office. • Design Concept -Developing concepts for the design project. <ul style="list-style-type: none"> Layout Plans & drawings – Plan, Sectional Elevation, furniture layout, detailed interior drawings, Isometric view and 3D Model.

Assessment Process (Internal)

Criteria	Marks
MST*	5
Assignment#	5
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 5 marks.

#**Assignment:** Two assignments should be given, each to carry 2.5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 3RD
Course Title: Furniture Design - II	Course Code: BID-303P

Course Outcomes

1. The students will have creative ability to develop forms for constructing simple and complex 3D models.

1. The student will learn about wood joinery.

2. The student will learn to design and construct a furniture piece.

3. Students will get know the different materials can be used in furniture making.

4. Students will gain knowledge about recycling and retrofitting of old furniture.

Theory

2hours / week

Unit	Topic
1	<p>Introduction to Furniture design</p> <ul style="list-style-type: none"> • Introduction to unit • Human factors, engineering and ergonomic considerations: principles of universal design and their application in furniture design, overview of Furniture categories, exploration of the idea of furniture, <p>Role of furniture in interior design,</p>
2	<p>Manufacturing Processes</p> <ul style="list-style-type: none"> • Introduction to unit • Study case examples of the following types of manufacturing processes: -Injection, Molding, Investment casting, Sheet metal work, Die-casting, Blow- molding, Vacuum –Forming.
	<p>Advanced Furniture Systems</p> <ul style="list-style-type: none"> • Furniture design for various context and spaces – residences, corporate, commercial etc. in terms of seating design; wardrobes, book shelves, showcases etc. • Multi-functional & space-saving furniture; modular approach to furniture design.
	<p>Furniture Detailing, Construction & materials</p> <ul style="list-style-type: none"> • Introduction to unit, • Introduction to different materials, joinery details and manufacturing methods most frequently adopted in furniture design such as Molding, investment casting, sheet metal work, die casting, blow-molding, vacuum - forming etc. • Types of materials.

Assessment Process (Internal)

Criteria	Marks
MST*	5
Assignment#	5
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 5 marks.

#**Assignment:** Two assignments should be given, each to carry 2.5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 4TH
Course Title: History of Interior Design & Furniture	Course Code: BFD-401

Course Outcomes

1. The students get exposed to the transformation of arts, architectural design, interiors and furniture of different eras.
2. Students will be able to assess the transformation of building materials from the Stone Age to modern era.
3. The student distinguishes different furniture styles and their characteristic features.
4. The students study the work and styles of eminent interior designers.
5. The student will be enriched with latest information of the industry and can perceive future and upcoming trends.

Practical

2hours / week

Unit	Topic
1	<p>Prehistoric & Primitive Designs</p> <ul style="list-style-type: none"> • Prehistory to Early civilizations, Prehistoric Interiors, Archeological evidence. • Evidence from Tribal Arts Cultures, pattern and Furniture Design. • The first permanent settlement, Mesopotamia and China. • To learn how the need of furniture developed in brief. <p>Ancient World</p> <p>To comprehend the unique aspects of interiors and furniture, as well as the evolution of furniture and interior design elements & ornaments during these periods.</p> <ul style="list-style-type: none"> • Egyptian • Greek • Roman
2	<p>Middle Ages</p> <p>To comprehend the unique aspects of interior and furniture, as well as the evolution of furniture and interior design elements and ornaments during these periods.</p> <ul style="list-style-type: none"> • Christian • Byzantine • Gothic <p>Renaissance</p> <p>To comprehend the unique aspects of interior and furniture, as well as the evolution of furniture and interior design elements and ornaments during these periods.</p> <ul style="list-style-type: none"> • Early • High • Baroque • Rococo
3	<p>Industrial</p> <p>To grasp the unique attributes of the arts and crafts during this era, along with the evolution of artistic and artisanal endeavours.</p>

	<ul style="list-style-type: none"> • Art Nouveau • Arts & craft <p>Twentieth century To understand the distinctive characteristics of interior design and furniture, as well as the changes in furniture and the decorative elements of interior design throughout twentieth century.</p> <ul style="list-style-type: none"> • Electric • Bahaus • Vies Vander Rohe • Le Corbusier <p>Arts deco & Expressionism</p>
4	<p>Postmodern & futuristic</p> <p>To understand the unique aspects of interior and furniture, as well as the evolution of Furniture and interior design elements in postmodern & futuristic and learn how the need of furniture developed in brief.</p>

Assessment Process (Internal)

Criteria	Marks
MST*	5
Assignment#	5
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 5 marks.

#**Assignment**: Two assignments should be given, each to carry 2.5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: B1D	Semester: 4TH
Course Title: Estimation & costing –II	Course Code: BID-402

Course Outcomes

1. The students will understand the importance of creating estimates for a project during designing process & appreciate the use of different material combinations used to accommodate a given budget.
2. The students will be able to create material boards to present to client & learn to appreciate the several types of estimates based on the specification of materials, furniture, furnishings, services etc.
3. The students will be able to derive quantities schedules of construction materials, Furniture and furnishing materials.
4. The students will learn to document a detailed bill of quantities for a given project.
5. The student will be able to maintain quality checks based on material schedules.

Theory

3hours / week

Unit	Topic	Hours
1	Importance of Estimation & Costing In Interiors Individual item A room A full apartment A house	11
2	Main areas of Cost Estimation Walls (plastering, white washing, painting, textured finish, panelling etc.) Flooring: material, laying Ceiling: false ceiling, painting etc. Wood work (material, polishing, varnishing & other applied finishes) Furniture & furnishing Plumbing Drainage	12

	Electrical fittings & lay	
3	Rules & Methods of Measurement	11
4	Procedure of Estimating Metric system and primary units International system of units Degree of accuracy Calculations	11
5	Analysis of Rates Overhead costs Task or out turn work Rates of material and labour (quantity take off schedule of item, schedule of rates, schedule of quantities) Preparing analysis of rates	
6	Specifications General specifications Detailed specification of cement, concrete, R.C.C, brickwork, plastering, painting, white washing, colour washing snowcem, decorative cement colour washing, wood work, varnishingetc.	

Assessment Process (Internal)

Criteria	Marks
MST*	40
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 40 marks.

#**Assignment**: Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0

75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: _BID	Semester: 4TH
Course Title: Interior Services – I	Course Code: BFD-403

Course Outcomes

1. The students will understand the importance of creating estimates for a project during designing process & appreciate the use of different material combinations used to accommodate a given budget.
2. The students will be able to create material boards to present to client & learn to appreciate the several types of estimates based on the specification of materials, furniture, furnishings, services etc.

Theory

3hours / week

Unit	Topic	Hours
1	Electrical & Lighting:- <ul style="list-style-type: none"> •Types of wires, •Types of Switches, •Electrical Layout •DB, MCB's •Natural lighting •Artificial lighting •Requirement for different situations •Lamps and luminaries 	9
2	Plumbing, <ul style="list-style-type: none"> •Water Supply water distribution systems – valves only), traps, importance of water seal, names of sanitary fittings & fixtures, materials & important sizes of pipes, plumbing standards. •Water conservation technologies -Water treatment plants in commercial and at domestic level. •Recycling & Reuse of water Rain water harvesting-importance, Requirements of rain water harvesting structure, types of rain water harvesting systems, advantages.	9
3	Acoustics & Sound Insulation Human ear, Loudness perception, subjective effects, characteristics of sound in speech and music, annoyance, background noise.	9
4	Air Conditioners The functioning of AC, types & points of consideration for the load calculation of AC for Residences.	9
5	Building Environments:- <ul style="list-style-type: none"> • Ventilation and air movement. • System of Ventilation - Natural ventilation - Artificial ventilation - General rules of 	9

Assessment Process (Internal)

Criteria	Marks
MST*	25
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 25 marks.

#Assignment: Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 4 TH
Course Title: Building Service Design	Course Code: BID-401P

Course Outcomes

1. The students will get exposed to sound absorbents, diffusers which are used to create ideal acoustical conditions in interiors.
2. The student acquires understanding on an array of security systems, electronic locking devices and will be able to apply the same when designing interiors.
3. The students will be able to judge on different Circuit breakers and Earthing systems to be provided in buildings
4. The student will be able to provide appropriate provisions for HVAC installations.
5. The Student will be able to technically understand the functioning of elevators

Theory

3hours / week

Unit	Topic	Hours
1	Electrical Layout plan Electrical, wiring and its importance Symbols used in drawings	10
2	Lighting layout plan Types of Outdoor lighting Types of Indoor lighting	10
3	Water Supply, Drainage & sanitary fitting plan.	10
4	Terminology used in water distribution systems – Valves, traps, importance of water seal, names of sanitary fittings & fixtures, materials & important sizes of pipes, plumbing standards.	10

Assessment Process (Internal)

Criteria	Marks
MST*	40
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 40 marks.

#Assignment: Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

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Program: BID	Semester: 4 TH
Course Title: Design Studio - II	Course Code: BID-402P

Course Outcomes

1. Understand the fundamentals of Adobe Photoshop and how to navigate the interface.
2. Learn how to work with layers, selections, and masks to create complex designs and artwork.
3. Gain expertise in colour correction, photo retouching, and compositing.
4. Discover techniques for organizing workflow and managing projects efficiently.
5. Develop a portfolio of high-quality work that showcases skills and creativity

Theory

3hours / week

Unit	Topic	Hours
1	Introduction to Design Process <ul style="list-style-type: none"> •Introduction of design problem •Lecture on basic design process including user needs, program analysis, area analysis, market survey, site analysis etc. Discussion based on the existing exercise and the understanding of students.	11
2	Introduction to design Project – Commercial Office <ul style="list-style-type: none"> •To introduce to students, the design of a building with complexities related to workspaces, services, structures and site planning. •Literature/Case Studies. •Design Concept -Developing concepts for the design project. Layout Plans & drawings – Plan, Sectional Elevation, furniture layout, detailed interior drawings & Isometric view and 3D Model	11
3	Introduction to design Project – Salon/ Café/ Retail Office To introduce to students, the design of a building with complexities related to workspaces, services, structures and site planning. <ul style="list-style-type: none"> •Literature/Case Studies & Standards. Design Concept -Developing concepts for the design project. Layout Plans & drawings – Plan, Sectional Elevation, furniture layout, detailed interior drawings, Isometric view and 3D Model.	12
4		11

Assessment Process (Internal)

Criteria	Marks
MST*	25
Assignment#	10

Attendance	5
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* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 25 marks.

#**Assignment:** Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 5TH
Course Title: Interior Services -II	Course Code: BID-501

Course Outcomes

1. Students will acquire understanding and importance of electrical services and will be able to design electrical layouts of the buildings.
2. The students learn plumbing services with the knowledge of types of plumbing and sanitary methods and fittings.
3. Students will gain knowledge on importance and types of lighting.
4. The student will be able to understand the relationship of staircases and lifts and their location in plan.
5. The students will learn installation of appropriate fire detection systems and Fire Proof

Theory

3hours / week

Unit	Topic	Hours
1	Basic Concepts and System Components in Air Conditioning •Vapour compression cycle – Compressors – Evaporators – Refrigerant control devices – Electric motors – Air handling units – Cooling towers.	12
2	Air-Conditioning System and Applications •Window type and packaged air conditioners – Chilled water plants – Fan coiled systems – Water piping – Cooling load.- Air-conditioning systems for different types of buildings – Duct lay out etc. Fire Safety •Mechanism of fire spread in building and prevention – Fire safety standards – Concepts in fire protection Firefighting installation and requirements - Heat sensitive detectors – Smoke detectors – Automatic water sprinkler system- Foam systems.	11
3	Acoustics and Sound Insulation •Room acoustics- resonance, reverberation, echo, reverberation time, simple exercise using Sabine’s formula. - Acoustical requirements of different types of building. -Sound absorption, absorption co-efficient and their measurements, Absorbing materials used and their choices, exercises involving reverberation time and absorption co-efficient. Sound insulation materials	11
4	Electrical Systems Single/Three phase supply – Protective devices in electrical installation — ISI Specifications - Types of wires, Wiring systems and their choice – Planning electrical wiring for building interiors – Main and distribution boards- Typical	11

	Electrical layout for interiors.	
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Assessment Process (Internal)

Criteria	Marks
MST*	25
Assignment#	10
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 25 marks.

#**Assignment:** Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 5TH
Course Title: Interior Design – 1	Course Code: BFD-502

Course Outcomes

1. Students understand the fundamentals and classification of designs.
2. Get practical exposure about design elements and principles of design and impart it in the development of figures.
3. Understand the different Folk and Tribal designs.
4. Students will get the knowledge about colour theories and its application in Design.
5. Students will understand and learn to prepare accessories.

Practical

2hours / week

Unit	Topic
1	Anthropometry : Anthropometric data and special requirements for human needs with relation to movement, functions, furniture and space.
2	Process of design Interior Accessories design
3	Design of Simple furniture's with Activities – Seating, Working, Sleeping, Storages. Design Development including case studies

Assessment Process (Internal)

Criteria	Marks
MST*	5
Assignment#	5
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 5 marks.

#**Assignment:** Two assignments should be given, each to carry 2.5 marks

Attendance:

Percentage	Marks
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Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 5TH
Course Title: Working Drawing - I	Course Code: BID-503

Course Outcomes

1. The students will gain knowledge on how to use and demonstrate various elements and materials.
2. The students will be able to detail the layouts to show partition placements, furniture placements, electrical and other services.
3. The students will be able to create detailed documentation of kitchens and specifications of residential projects.
4. The students will be able to impart construction and estimation information.
5. The students can create detail designs and specifications of wardrobes and built-in furniture

Practical

2hours / week

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

Criteria	Marks
MST*	5
Assignment#	5
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 5 marks.

#**Assignment:** Two assignments should be given, each to carry 2.5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 5 TH
Course Title: Computer in Design	Course Code: BID-501P

Course Outcomes

1. The students gain awareness of how textures, patterns and materials can be represented through free hand sketching, colouring and hatching.
2. The students will develop drafting techniques and Impart knowledge about the fundamentals of scales, conversion and its applications.
3. The students understand the signs and symbols used in architectural drawings

Theory

2hours / week

Unit	Topic
1	Introduction to Sketch Up. •How to navigate: Title bar, menu bar, getting started toolbar, drawing area, status bar, measurements box, default panels. Panels menus and tools overview: How to use Sketch Up tools (Quick Reference Card) Setting up tools panels and preferences Saving and reopening a model (Backing up).
2	Quick Start: Creating 3D Elements Drawing shapes Adding volume Moving elements Transforming elements Adding textures and colors Navigation with tools keys and mouse Orbit, zoom, pan Saving and exporting Core. Concepts 1 Select elements Modifiers keys Working with axis Managing units of measurement (set units and precision in the model info window) Standard views Perspectives Walk Look around Field of view Zoom extends Position
3	Creating a 3D Model (Drawing Lines, Shapes, and 3D Objects) Inference types and engine Drawing lines Creating and dividing faces Working with edges Healing deleted faces Finding and locking an inference Linear inferencing toggle Locking inferences with the keyboard Ensuring edges are aligned to axes Model and entity info Working with Shapes Drawing a rectangle, square, circle, ellipse, polygon, and shape View styles for edges and faces Selecting Editing shapes Adjusting the drawing axes Pushing and pulling shapes Drawing arcs Drawing freehand shapes Measurement tools Measuring angles and distances to model precisely Dividing, splitting, and exploding lines and faces Sticky modifiers Flipping, mirroring, rotating, and arrays Scaling and slicing models Using the Follow me tool Softening, smoothing, and hiding geometry Offsetting a line from existing geometry.

Assessment Process (Internal)

Criteria	Marks
MST*	5
Assignment#	5
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 5 marks.

#**Assignment:** Two assignments should be given, each to carry 2.5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 5TH
Course Title: Project Management	Course Code: BID-502P

.Course Outcomes

- 1.The students will learn the concept of project and the need of cost management.
2. Students will learn the phases of project planning and preparing feasibility report.
3. The students get exposed to technique of cost planning and budgeting.
4. The students will understand organising techniques, accountability and tendering procedures.
5. The students will be able to outline the skills, duties and authorities of a project manager.
6. The student gets an insight on the tendering procedures.

.Theoryl

3hours / week

Unit	Topic	Hours
1	For Project During the semester the students are to work on a case study of a live project i.e. the planning, the furniture layout, all the relevant working drawings, estimation and costing of the suggested plan During the semester a similar project on any one commercial establishment has to be designed and developed by the student giving all the required drawings .	12
2	The students would be working under the supervision of a faculty member and would get approval priorto starting the project. Presentations on both the projects (Residential & Commercial) has to be given at the end of the semester.The student would be evaluated at the end of the project submission and would have to defend her workon the date assigned for it.	12
3	For Term Paper Each student shall be required to carry out under supervision of teacher or teachers, an original investigation work or review work on any relevant topic or a technological problem related to his / her studies. Students would have to submit three copies of typed written and bound dissertation embodying the experiments and results of their investigation	12
4	The paper would be evaluated under the following heads: Selection of Topic Collection of Review Assimilation of Literature, References Used. Viva-voce (Self understanding), etc	12

Criteria	Marks
MST*	40
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 40 marks.

#Assignment: Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 5TH
Course Title: Professional Practice	Course Code: BID-503P

Course Outcomes

CO1: To Analyze technical drawings using both CAD and basic manual tools.

CO2: To Create mechanical parts for different applications.

CO3: To make Students learn basic sketches of drawing

CO4: To develops the skill of the Designer.

Theory

3hours / week

Unit	Topic	Hours
1	Introduction to Professional Management Concept & Significance	9
2	Professional Components of Managing Interior Work Office managing, code/conduct, Scale of professional fee & charges, Duties of employer under labour welfare provisions, Structure of interior designers office, Conditions of engagement	9
3	Estimating Interior Work Definition & importance of estimating, types, units & mode of measurement, rate, analysis, bills of quantities etc	9
4	Tenders & Contracts Definition & meaning of tender & contract, tender notice, tender document, types of tender, legal aspects etc. Types of contract, articles of agreement, execution, scope of contract, duties and liabilities of contractor, legal aspects of contract.	9
5	Professional Communication Skills (Demonstrations, Presentations etc.)	9

Assessment Process (Internal)

Criteria	Marks
MST*	20
Assignment#	15
Attendance	5

* * **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 20 marks.

#Assignment: Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 6 TH
Course Title: Introduction to Art & Interior	Course Code: BID-601

Course Outcomes

1. Students understand the fundamentals and classification of designs.
2. Get practical exposure about design elements and principles of design and impart it in the development of figures.
3. Understand the different Folk and Tribal designs.
4. Students will get the knowledge about colour theories and its application in Design.
5. Students will understand and learn to prepare accessories.

Theory

3hours / week

Unit	Topic	Hours
1	Development Of Art A Survey of History of Art Forms of Following Eras- •Prehistoric Art •Egyptian & Greek •Roman & Medieval •Chinese & Japanese •Renaissance & Baroque •Neoclassic & Realism	9
2	Exploration of art forms Study of traditional and contemporary art forms – painting, sculpture, architecture, decorative arts, design arts, digital art. Relationship between art and design from earliest time.	9
3	Study of ornament in Interior Design. Different types of ornamentation in the interiors. Study and evaluation of artifacts and historic examples and their applicability. To document artifacts, historical sites, and to understand them with respect to the surround environment.	9
4	Traditional Arts and crafts of India Traditional arts and crafts of various states of India including – Tamilnadu, Karnataka, Kerala, Andhra Pradesh, Goa, Rajasthan, Gujarat, Kutch, Uttar Pradesh, West Bengal, Orissa, Bihar, Jammu and Kashmir, etc	9
5	Art Movements in Post Modern India Art Movements in Post Modern India and their influences in Interior design – Abstract Expressionism, Pop art, Minimal art, Conceptual art – Neo Expressionism – Computers in Arts.	9

Assessment Process (Internal)

Criteria	Marks
MST*	20
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 20 marks.

#Assignment: Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 6TH
Course Title: Interior Landscape Design	Course Code: BID-602

Course Outcomes

1. Students will gain knowledge about the importance of landscape gardens, roof garden and interior landscaping.
2. Enable to incorporate the principles of landscape design while creating gardens.
3. The students gain knowledge about different plant materials and their usage.
4. The students will understand the landscape products and its usage.
5. Students gain competence of landscape designing which includes the lighting, water supply, drainage, roads and pedestrian pathways.
6. The students get an elaborate knowledge about Historical Landscape Gardens.

Theory

3hours / week

Unit	Topic	Hours
1	Interior Landscaping 8 Definition, classification of plants, indoor plants and their functions, layout & components, Floriculture – commercial, ornamental, Selection of plants & pest control.	9
2	Physical Requirements of Plants 9 Physical requirements of plants – light, temperature, water, planting medium, soil separator, weight of plants, acclimatization & maintenance. Techniques to meet physical requirements.	9
3	Interior Landscaping Elements & Principles 9 Various interior landscaping elements – water bodies - pools, fountains, cascades Plants, rocks, artifacts, paving & lighting, Design guidelines- plant texture & color, plant height, plant spacing	9
4	Roof and Deck Landscape 9 Protection of the integrity of the roof and structure, provisions for drainage, light weight planting medium, irrigation, selection of materials, water proofing, provision for utilities and maintenance.	9
5	Exercise on Interior Landscape 10 • Courtyard design • An outdoor room design • Terrace garden	9

Assessment Process (Internal)

Criteria	Marks
MST*	40
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 40 marks.

#Assignment: Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 6TH
Course Title: Research Methodology	Course Code: BID- 601P

Course Outcomes

1. The students gain knowledge about Title laws and laws pertaining to Registration and Licensing.
2. The students understand Contract, types of contract, Validity of contract and implications of Breach of contract.
3. The students understand Tendering Process, documents required etc.
4. The students are enlightened about Arbitrator, his role and Arbitration Agreement, Arbitral Tribunal.
5. The students get to know the concept of Entrepreneurship, Qualities required to become Entrepreneur, different types of Entrepreneurs and their roles.

Theory

3hours / week

Unit	Topic	Hours
1	Research Formulation •Research Formulation: The students of the pre final year are required to undertake research on a topic related to the field of spatial planning on issues emerging out of the present trends and future prospects of the Thesis Project selected. The Thesis Project should be sufficiently large and complex so that student can demonstrate the Skills and Knowledge acquired during the course.	11
2	Research Design •Once the problem is formulated the student has to undertake extensive literature survey Research Data Data shall be collected keeping in mind the cost, time and other resources. Primary data can be collected either through experiment, through survey or by observation such as personal interviews, telephonic interview, mailing of questionnaire or through schedules. Secondary data such as census data, literature	11

	studies, unpublished or published thesis or dissertation can be collected.	
3	<p>Research Analysis & Report</p> <ul style="list-style-type: none"> •The analysis of data requires a number of closely related operations such as establishment of categories. The application of these categories to see data through coding, tabulation and then drawing statistical inference. •Define strategy to address these issues in the design proposal. Prepare a report of what has been done. The interior layout of the report should be as follows: <ul style="list-style-type: none"> •The preliminary pages, the main text and end matter. •The preliminary pages carry title, declaration, certificate, acknowledgement, list of illustration & tables. •The main text of the report should have introduction, review of literature & methodology. The end matter will include glossary and annexure. 	12
4	<p>Dissertation project</p> <ul style="list-style-type: none"> •Criteria of selection of the site for the project and justification for how the project will support the conceptual idea for the project. Mood board, zoning regulators & standards applicable to the project. 	11

Assessment Process (Internal)

Criteria	Marks
MST*	20
Assignment#	15
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 20 marks.

#Assignment: Three assignments should be given, each to carry 5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5

Program: BID	Semester: 6 TH
Course Title: --- Industrial Visit	Course Code: BID-602P

Course Outcomes

1. To make the students aware of the practical aspect of the profession and / or business.

Practical

2hours / week

Unit	Topic
1	Every student must work in an office that handles Interior Architecture projects, as a full time trainee, for a period of 16 calendar weeks (excluding viva voce) from the date of commencement of training. The Principal Designer or Architect of the firm should have a minimum of five years of professional experience in the field, after graduation.. After completion of training, every student will have to submit a detailed report with a set of drawings of at least two projects handled during the sixteen calendar weeks of the practical training period. This report will be evaluated at viva voce by a jury consisting of one external, one internal and head of the department or his nominee. After submission of the report, the department, at its convenience, will arrange for the conduct of the viva voce examination.
2	The student should involve in various aspects of work in an office like working drawings, presentation drawings, quantity estimation, site supervision etc. Students should understand professional practice methods, design process from client contacts to production documents, tender documents, production drawings for various works, site supervision etc. They should also be involved in the coordination of various agencies - client, members of design team, consultants, contractors, craftsmen and construction supervisors
3	Detailed instructions regarding the training, the frequency of reporting to the department etc. will be issued at the end of Seventh semester, which the student must strictly follow
4	After completion of training, every student will have to submit a detailed report with a set of drawings of at least two projects handled during the sixteen calendar weeks of the practical training period. This report will be evaluated at viva voce by a jury consisting of one external, one internal and head of the department or his nominee. After submission of the report, the department, at its convenience, will arrange for the conduct of the viva voce examination

Assessment Process (Internal)

Criteria	Marks
MST*	5
Assignment#	5
Attendance	5

* **MST** – A total of two MST should be conducted of 50 marks, out of which average of two should be evaluated out of 5 marks.

#**Assignment:** Two assignments should be given, each to carry 2.5 marks

Attendance:

Percentage	Marks
Below 75	0
75-80	1
81-85	2
86-90	3
91-95	4
96-100	5