

# **B. K. BIRLA COLLEGE (AUTONOMOUS), KALYAN**

**Conducted by Kalyan Citizens' Education Society**

**Affiliated to University of Mumbai**

**'College of Excellence'** status by UGC (2015 - 2020)

Reaccredited by **NAAC (3rd Cycle)** with **'A' Grade (CGPA 3.58)** (2014 - 2021)

**'Performance Excellence Trophy** – 2011 in **Education**' by IMC RBNQA Trust

**'Best College Award'** by University of Mumbai (2009)

**DBT 'Star Status'** (Department of Botany, Chemistry, Microbiology, Physics and Zoology)

**DBT 'Star Scheme'** (Department of Mathematics, I.T. & C.S.)

**ISO 9001: 2015 Certified**



## **B.Sc.(Hons.) in Interior Design**

**Three Year Integrated Programme- Six Semesters**

**Course Structure**

**Under Choice based Credit Grading Semester System**

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## 1. Preamble

In the past decade, the interior design industry has witnessed tremendous growth. The demand for curated interiors with unique designs has led to an increase in the market size of this industry. This growth can be attributed to the developing economy and urbanization. This fast-paced economy is seeing a rise in the number of people developing a taste for a high-end lifestyle with a well-designed and luxurious house. Innovation has brought about the expansion of the industry with the need for elegant interior design spreading to working spaces, commercial spaces and product design.

This growing industry thus requires skilled and capable designers who will be able to meet the needs of the consumers and the rapidly growing market. The Interior Design industry is comprised of professionals who are engaged in planning, designing, decorating the interior spaces. According to “Indian Furniture Market Forecast & Opportunities”, in 2019, the country’s furniture market is projected to grow at a CAGR of around 26%. The market touched \$20 billion by 2015 and is expected to grow more in coming years.

The CII attributes the growth in the sector of interior design to the boom in the Indian real estate industry, a growing population, rising income levels and urbanisation. Employment of interior designers is projected to grow 5 percent over the next ten years. Market for interior designing in India is all set to absorb new and aspiring talent. Due to the rising significance of interior design, this profession has become one of the best ever emergent fields in India.

The Indian youth, as homeowners, are also experiencing an influence of different cultures and lifestyles. They travel to many places, work with people of different nationalities, cultures, and love to reflect the fusion and versatility in their interior design. Although there is an upsurge of influence from different countries in the Indian way of life, still Indians never wish to entirely replicate anything. People love to give their spaces an indigenous and unique touch.

Different homes need different things, so the trend of customising everything right from the design, décor and the furniture, is growing these days. The use of standard furniture is on a decline. All these developmental trends and lifestyle changes with Indians are leading to a remarkable growth of the interior design industry in India. With so many transformations happening, the interior design industry is going to expand even more in the years to come.

And this growing economy is going to need interior designers well equipped with the skills to create and design spaces keeping in mind the market trends, regulatory requirements and design ideology of today’s India. We aim to impart the required skill sets through our programmes. Choosing an Interior Design Degree will get the students accustomed to working in an international environment and being more in tune with the needs of guests from different social and cultural backgrounds

## **2. Programme Objectives & Outcomes**

### **2.1 Programme Objectives**

1. To promote intellectual inquiry, creative expression and original work through a structured curriculum that balances theory and practice, experimentation and planning, creativity and logic, and art and technology.
2. To encourage the development of visual fluency as well as the acquisition of essential knowledge and skills in the elements and principles of design, drawing and color, Computer Aided Design (CAD), interior space planning, sustainability, materials and finishes, lighting, structures, surfaces and codes specific to both residential and non-residential situations
3. To introduce students to interior design business practices, market resources, and project management techniques used in the interior design profession
4. To provide students with a range of opportunities to prepare for professional accomplishment in the field of interior design through a varied range of activities including portfolio development, student competitions, comprehensive externship experience, and placement services as well as opportunities to interact with professional designers in juried projects and events, guest lectures, and professional associations at the local, national and international level

### **2.2 Programme Outcomes**

**After successful completion of the Programme the learner will be able to:**

1. Incorporate a global perspective when making design decisions, based on sustainable, socio-economic and cultural contexts.
2. Specify furniture, fixtures, equipment and finish materials to meet the design criteria for a variety of interior spaces.
3. Apply principles of lighting, acoustics, thermal comfort, and indoor air quality as required to enhance the health, safety, welfare, and performance of building occupants.
4. Produce construction drawings and documents using industry standards for a variety of interior spaces.
5. Communicate complex ideas clearly to specialists and non-specialists through appropriate oral, written and representational media.

## **3. Eligibility, Selection and Admission Criterion**

Candidates for being eligible for admission to the three-year course leading to the Degree of B.Sc. (Hons.) in Interior Design (B-ID), shall be required to have passed the Higher Secondary School Certificate Examination (10+2) or equivalent qualification in any stream from any Board/ University.

### **3.1 Eligibility Criterion:**

The student must be passed a two year Pre-University examination/ 12th / Grade 12/ HSC/A level/O level/IBDP/IBCP or equivalent, education with English as one of the subjects or equivalent qualification from any Board/ University. Lateral Entry shall be

*B.Sc. (Hons.) in Interior Design (B-ID)*

applicable for students who have pursued similar or related Programmes from any University. Eligibility Criteria shall be applicable for lateral entry.

### **3.2 Selection and Admission Criterion for Eligible Candidates:**

The interested students shall register for Aptitude Test, Interview and Project/Portfolio.

**The admission of students shall be based on:**

- Academic and non- academic credentials till date
- Performance in Aptitude Test [comprising of questions in Mathematics/Statistics, English, Logical Reasoning, Analytical Ability], Performance in Personal Interview and Project/Portfolio
- The candidate has to fulfil all the prescribed admission requirements / norms of the Institute.
- In all matters relating to admission to the programme the decision of the Management of college shall be final.
- At any time after admission, if found that a candidate has not fulfilled one or many of the requirements stipulated by the Institute, or submitted forged certificates, the Institute has the right to revoke the admission and will forfeit the fee paid. In addition, legal action may be taken against the candidate as decided by the Management.

### **3.3 Eligibility for the award of the degree:**

- A candidate shall be eligible for the award of the Degree only if he/she has undergone the prescribed course of study for a period of not less than three academic years, passed the examinations of all the Six Semesters earning 160 credits, letter grade of at least D or above (i.e. O/ A+/A/ B+/B/C/D) in core.
- No dues to the Institute, Libraries etc.; and
- No disciplinary action is pending against him / her.

### **3.4 Faculty under which the Degree is awarded:**

B.Sc. (Hons.) in Interior Design (B-ID) programme is awarded under the Faculty of Science.

### **3.5 Intake and Fees**

Intake of 60 Students in the first year with an additional division of 60 students from the second year onwards. Additional 15% shall be permitted to make provision for any cancellation of Admissions. Additional admissions to the extent of 15% will be permitted for foreign students every year.

Programme Fees for each Semester - Rs. 75,000/- . The fees can be increased by 12% every year.

### **3.6 Attendance**

- A student has to obtain a minimum 75% cumulative attendance for the theory lectures, practical and tutorial (wherever prescribed) separately will be required out of the total number of lectures, practical and tutorials on the subject conducted in the term.

- 25% allowance in attendance is given to account for activities under NCC / NSS / Cultural / Sports / Minor Medical conditions etc.
- A student with a cumulative attendance of less than 75%, will not be permitted to appear for the end semester examination for all the courses in that semester and will be categorized as “DE”, meaning Detained due to shortage of attendance. The students with the “DE” category cannot proceed to the subsequent semester.
- Such students shall register for all the courses of the semester in which DE has occurred, in the subsequent year by paying the prescribed fee.
- Additional condonation may be considered in rare and genuine cases which includes, approved leave for attending select NCC / Sports Camps, Internships, Training, cases requiring prolonged medical treatment and critical illness involving hospitalization.
- For medical cases, submission of complete medical history and records with prior information from the parent / guardian to the institute is mandatory. Such condonation is permitted only twice for a student in the entire duration of the programme.

### **3.7 Eligibility for Faculty**

Bachelor ‘s degree with First Class (or an equivalent grade in a point scale wherever grading system is followed) in a relevant/allied subject.

Relevant industry/teaching experience in Architecture, Design, Fine Arts, Engineering and allied fields.

## **4. Scheme of Examination**

There are 3 types of courses

1. Theory-based courses
2. Theory + Studio-based courses
3. Studio-based courses

The Examination shall be divided into parts i.e. Continuous Internal Evaluation including Assignment, Projects, Seminars, Case Studies and Class Tests which will be of 40 marks and the Semester End Examinations which will be of 60 marks for courses exclusively studio based. The examinations can be conducted in online/offline mode. The semester wise Credit Points will be varied from course to course, but the value of Credits for Under-Graduate Programme shall be of 160 Credits. The institute may decide the examination pattern - written, oral, practical, presentation, project etc. for any or all courses/subjects as appropriate.

The Credits are defined in terms of the learner’s hours which are divided into two parts such as Actual and Notional. The value of a particular course can be measured in number of Credit Points. The value of One (01) Credit is equal to 15 Hours of learners’ load. Notional learning hours include direct contact hours with teachers and trainers, time spent in self-learning, preparation for assignments, carrying out assignments and assessments etc.

### Scheme of Total Credits

Sr. No.	Year	Credits
1	Year 1	52
2	Year 2	52
3	Year 3	56
	Total Credits for award of Degree	160

#### 4.1 Credit Based Evaluation System Scheme of Examination

##### 1. Theory-based courses

##### List of Theory-based Subjects:

<b>Semester-I</b>
1. History of Design – Ancient civilization
<b>Semester-II</b>
1. History of Design – Trends & Movements
2. Communication Skills – I
<b>Semester-III</b>
1. Technical Services for Villa & Bungalow
2. Communications Skills – II
<b>Semester-IV</b>
1. Basics of Plumbing & HVAC System
2. Environmental Studies
3. Advance Computer Aided Design
<b>Semester-V</b>
1. Fundamentals of Tender Documents
2. Introduction to Building Management System
3. Electives – Basics of Project Management
<b>Semester-VI</b>
1. Professional Practice

The performance of the learners shall be evaluated into two components. The first component shall carry 40% marks which will be a Continuous Internal Evaluation while the second component shall carry 60% marks at semester end examination. The allocation of marks for the Continuous Internal Evaluation 40% and Semester End Examination 60% are as shown below:

##### Structure of Continuous Internal Evaluation – 40% = 40 marks

Sr. No.	Particulars	Marks
1	Assignments, Presentations and class tests	15 marks
2	Home assignments and other assessment modes – as decided by the department in the beginning of the semester (like Extension/field/experimental work, Short Quiz; Objective test, open book test etc. and written assignments, Case study, Projects, Posters and exhibits etc. for which	15 marks

	the assessment is to be based on class presentations wherever applicable)	
3	Attendance & Active participation in routine class instructional deliveries (and in practical work, tutorial, field work, cultural activities etc. as the case may be)	10 marks

### Structure of End Examination – 60% = 60 marks

Semester End Examination will be organized after all modules of the course are taught in the class. It will be a written examination / or as per the needs of the course a practical

examination or a combination of both. This examination will be for 60 marks.

The assessment of Continuous Internal Evaluation and Semester End Examination as mentioned above for the Semesters I to VI shall be processed by the College 'Institutions of their Learners' and issue the grade cards to them after the conversion of marks into grades as the procedure mentioned below.

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Continuous Internal Evaluation & Semester

End Examination. The learner shall obtain a minimum of 40% marks (i.e. 16 out of 40) in the Continuous Internal Evaluation and 40% marks in Semester End Examination (i.e.

24 Out of 60) separately, to pass the course and a minimum of Grade D in each project, wherever applicable, to pass a particular semester. A learner will be said to have passed the course if the learner passes the Continuous Internal Evaluation & Semester End Examination together.

### Question Paper Pattern

#### A) Written Class Test (15Marks) - 30 mins

1	Sketches and drawings as required by particular course (1 Mark each) (Any Six out of Eight)	06 Mark s
2	Answers the following & supported by sketches (Attempt Any Two of the Three) (Concept based Questions) (2 Marks each)	04 Mark s
3	Answer in Brief and supported by sketches (Attempt Any One of the Two) (5 Marks each)	05 Mark s



## B) Semester End Examinations – 60 Marks - 2hrs

Q I	Quick sketch-based questions & multiple choice (Any 10 out of 15) (1 Marks each)	10 Marks
QII A	<i>(Concept based Questions)</i> Answer in Brief & supported by sketches (Any Three out of Five) (5 Marks each)	15 Marks
	OR	
QII B	<i>(Concept based Questions)</i> Answer in Brief (Any Three out of Five) (5 Marks each)	15 Marks
QIII A	(Application based/Scenario based Questions) Answer in Detail (Attempt Any Four of Six) (5 Marks each)	20 Marks
	OR	
QIII B	(Application based/Scenario based Questions) Answer in Detail (Attempt Any Four of Six) (5 Marks each)	20 Marks

## 2. Theory + Studio-based courses

### List of Theory + Studio-based Subjects:

<b>Semester-I</b>
1. Basics of Graphics & Free Hand Sketching 2. Foundation of Construction & Building Materials
<b>Semester-II</b>
1. Advance Methods of Graphics & Free Hand Sketching 2. Advance Technology in Construction & Building Materials
<b>Semester-III</b>
1. Materials & Methods of Construction Enclosures
<b>Semester-IV</b>
1. Construction Material & Methods for Ceiling & Floor
<b>Semester-V</b>
1. Methods & Techniques of Mill Works 2. Introduction to Rendering Software

The performance of the learners shall be evaluated into two components. The first component shall carry 40% marks which will be a Continuous Internal Evaluation while the second component shall carry 60% marks at semester end examination.

The allocation of marks for the Continuous Internal Evaluation 40% and Semester End Examination 60% are as shown below:

<b>Assessment tool</b>	<b>Marks allocated</b>
Continuous Assessment - Marking 1	10 marks
- Marking 2	10 marks
- Marking 3	10 marks
- Marking 4	10 marks
<b>End of Semester Assessment</b>	<b>60 marks</b>

### **Structure of End Examination - 60% = 60 marks**

Semester End Examination will be organized after all modules of the course are taught in the class. It will be a written examination / or as per the needs of the course a practical examination or a combination of both. This examination will be for 60 marks.

The assessment of Continuous Internal Evaluation and Semester End Examination as mentioned above for the Semesters I to VI shall be processed by the College 'Institutions of their

Learners' and issue the grade cards to them after the conversion of marks into grades as the procedure mentioned below.

The learners to pass a course shall have to obtain a minimum of 35% marks in aggregate for each course where the course consists of Continuous Internal Evaluation & Semester End Examination. The learner shall obtain a minimum of 35% marks (i.e. 14 out of 40) in the Continuous Internal Evaluation and 35% marks in Semester End Examination (i.e. 21 out of 60) separately, to pass the course and a minimum of Grade D in each project, wherever applicable, to pass a particular semester. A learner will be said to have passed the course if the learner passes the Continuous Internal Evaluation & Semester End Examination together.

### **Question Paper Pattern**

#### **Semester End Examinations - 60 Marks - 2hrs**

Q	Quick sketch-based questions & multiple choice (Any 10 out of 15) (1 Marks each)	10 Marks
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QII A	( <i>Concept based Questions</i> ) Answer in Brief & supported by sketches (Any Three out of Five) (5 Marks each)	15 Marks
OR		
QII B	( <i>Concept based Questions</i> ) Answer in Brief (Any Three out of Five) (5 Marks each)	15 Marks
QIII A	(Application based/Scenario based Questions) Answer in Detail (Attempt Any Four of Six) (5 Marks each)	20 Marks
OR		
QIII B	(Application based/Scenario based Questions) Answer in Detail (Attempt Any Four of Six) (5 Marks each)	20 Marks

### 3. Studio-based courses

#### List of Studio-based Subjects:

<b>Semester-I</b>
1. Fundamentals of Design – 2 Dimensional 2. Residential Interior Design 3. Workshop – Model Making & Visual Study
<b>Semester-II</b>
1. Basics of Design – 3 Dimensional 2. Interior Design of Villa & Bungalow
<b>Semester-III</b>
1. Interior Design for Boutique 2. Technical Drawing for Villa & Bungalow
<b>Semester-IV</b>
1. Interior Design for Clubhouse 2. Technical Drawing for Boutique
<b>Semester-V</b>
1. Interior Design of Restaurant 2. Interior Design Dissertation

For all semesters, the performance of the learners shall be evaluated into two components. The first component shall carry 40% marks which will be a Continuous Internal Evaluation while the second component shall carry 60% marks at semester end examination – Portfolio/Assignments.

The allocation of marks for the Continuous Internal Evaluation 40% and Semester End Examination - Portfolio/Assignments 60% are as shown below:

**For studio-based courses the portfolio of work will be evaluated.**

Assessment tool	Assessment Parameters		
	Concept	Design Development	Presentation
	Internal		External
Marks allocated	20 marks	40 marks	40 marks

#### 4.2 Passing Standards

Grade	Marks	Grade Points
O	80 & Above	10
A+	70 to 79.99	9
A	60 to 69.99	8
B+	55 to 59.99	7
B	50 to 54.99	6
C	45 to 49.99	5
D	40 to 44.99	4
F	Less than 40	0

- The learner shall obtain a minimum of 35% marks (i.e. 14 out of 40) in the Continuous Internal Evaluation and 35% marks in Semester End Examination (i.e. 21 out of 60) separately, to pass the course and a minimum of Grade D in each project, wherever applicable, to pass a particular semester.
- Learners who fail to clear Class Test I or were unable to appear for Class Test I on account of Medical grounds, Bereavement of a family member, Internships/Training or Positioned at Events by the Institute can appear for Class Test II
- If just prior to or during the CIE a bereavement (of an immediate family member) occurs. (Note: In this case the Death Certificate of the departed and the Parent's note will have to be given to the College within 2 days of returning to College, for this clause to hold).
- A learner will be said to have passed the course if the learner passes the Continuous Internal Evaluation (CIE) and Semester End Examination.

#### 4.3 ATKT in Class Test

Students failing to clear the Class Test will have to submit a project on a topic approved by the subject teacher.

The allocation of marks will be as follows:

- Written Assignment – 10 marks
- Presentation- 5 marks

#### 4.5 Semester Abroad Programme:

Students who are allowed to undergo internship or Training in Industries in India or abroad during their course work or attend any National / International Institute under

semester abroad programme (SAP) up to a maximum of 1 semesters will be granted credit equivalence for the Course Work/project work done by them in the Industry /Foreign Institute as per the recommendations of the Equivalence committee.

#### 4.6 Eligibility for Faculty

Master 's degree with 55% marks (or an equivalent grade in a point scale wherever grading system is followed) in a relevant/allied subject OR Relevant work experience in the industry or related areas.

#### 4.7 Academic Flexibility

To enable multiple exit for students there is a provision for "Academic Flexibility".

##### Levels of Awards

The certification levels will lead to Diploma/Advanced Diploma/Degree at the respective exits upon successful completion of the academic requirements. Details as outlined in the table below.

Award of Qualification at respective Exit	Timing
Diploma	1 year (upon successful completion of First Year Degree Programme)
Advanced Diploma	2 years (upon successful completion of Second Year Degree Programme)
Degree	3 years (upon successful completion of Third Year Degree Programme)

### 5. Teaching Methodology:

#### 1. CLASSROOM SESSIONS:

- **Lectures:** Lectures shall be delivered by experienced faculties along with visiting faculties and experts from the Industry in online/offline or blended mode.
- **Assignments & Projects:** Shall be assigned at regular intervals of the course. It offers an opportunity for students to meet, interact and collaborate with experienced people from the industry.
- **Knowledge Workshops and Industry Seminars:** Shall be organized at regular intervals to keep the students informed about the latest developments in the Interior Design Industry. These workshops are uniquely designed with a focus on practical industry – relevant topics.
- **Simulated Events:** Shall be conducted to get the real feel of organizing and designing a space. Students are trained to make a replica of a space designed by them and present it lives in the classroom. The exercise gives the student an opportunity to identify the finer nuances of execution thereby helping them to identify key success factors and areas of improvement.

#### 2. GUEST LECTURES AND CASE STUDIES:

- **Guest Lecture:** Eminent people from the Design & Interiors industry shall be invited as guest speakers to impart lessons and their rich experiences on various fields related to this industry to the students. They also focus on imparting training around management concepts that have today become essential skills to carve a niche in the industry.
- **Case Studies:** Case studies highlighting various practical and situational issues shall be regularly discussed during classroom sessions. The discussion caters toward identifying what went wrong in the case and what could have been done in a better manner, this helps train students to handle such situations in the future. The exercise also improves the analysing and analytical capabilities of our students.

### 3. INNOVATIVE & INTERACTIVE LEARNING TECHNOLOGY:

- **Educational wikis:** It keeps track of education-oriented wikis, establishes constructive interactions with them, and researches their technology, activity, culture, processes, and impact.
- **Creative Presentation Ideas:** Gone are the days when Microsoft Presentation was the only means to make academic training interactive and engaging. Enliven your material and engage the students with these simple and easy to implement methodologies:
  - **Prezi Presentation:** Prezi is a powerful communication and presentation tool that aims to replace PowerPoint presentation. Equipping students with the knowledge of this tool helps in preparing them to adapt easily to the ever-changing dynamics of the corporate world.
- **CREATE through Technology:**
  - **YouTube Broadcasting:** Harness the power of YouTube as an effective broadcasting medium to create and share your ideas and thoughts with diverse audiences.
  - **Communication and Collaboration:** Google Apps provides students a chance to learn how to use webmail services, calendar (shared calendaring), G-Talk (instant messaging and voice/video chat) and Drive (online document creation & sharing).
  - **Education through Blogs:** A powerful and interactive medium for learning. Ideal to educate, discuss and share innovative ideas across a large and diverse set of audiences.

### 4. UNPARALLELED INTERNSHIPS & PRACTICAL TRAINING

- **Internships & Practical Training:** These projects/internships act like great learning platforms giving them the live experience of conceptualising and designing the interiors of a space.

- **In-House Events/Projects:** Students shall be provided with an opportunity to work on in-house presentations and projects right from the start to finish, to provide them with hands-on experience, which helps them to gain excellent organization skills.

## 5. SUGGESTED LIST OF STUDENT ACTIVITIES

- Students should survey the market for the above-mentioned interior finishing materials, collect data and samples of different materials used for false ceilings, flooring, furniture, kitchen, etc., understand their fixing details and analyse them by making a presentation and/or interactive group discussion.
- Students should explore the websites of famous and reputed materials and accessories suppliers such as wood laminate and furniture suppliers, wall paint and wallpaper companies, electric and bathroom fitting suppliers. Explore old volumes of interior design magazines such as Inside Outside.

## 6. SPECIAL INSTRUCTIONAL STRATEGIES

Arrange site visits to observe & understand interior design work that is being carried out. Such visits should be organized by concerned faculty member/s who should explain the type of material and fixtures being used and the way they are used.

## 7. SUGGESTED LEARNING RESOURCES

### A. List of Books

1. Time Saver Standards for Interior Design Watson McGrawhill
2. A & I Competition Architecture Interior Mich Archiworld
3. Advanced Interior Design (3 Volumes set) Damdi & Designers Mehul Publications
4. Architecture of the Home Nylander Wiley
5. Color in Interior Design Pile McGrawhill
6. Interior Design Illustrated Ching Wiley
7. Interior Planning & Design Project Scalize Thomson
8. Residential Interior Design Mitton Wiley
9. Space Design Archiworld Archiworld
10. Time Saver Standards for Interior Design Dechiara McGrawhill

### B. List of Major Equipment/ Instrument

Measuring Tape, Digital Camera, Architectural Drafting instruments, computer with software such as AutoCAD and Arch CAD

**B.Sc. (Hons.) in Interior Design (B-ID)**  
**Three Year Integrated Programme -**  
**Six Semesters**  
**Basic Structure : Distribution of Courses**

1	<b>Core Course (CC)</b>	12 Papers of 4 Credits Hrs. each (Total Credits Hrs.12*4) =48 3 Papers of 6 Credits Hrs. each (Total Credits Hrs. 3*6) =18 1 Papers of 3 Credits Hrs. each (Total Credits Hrs. 1*3) =3	69
2	<b>Discipline Specific Compulsory Course (DSC)</b>	1 Paper of 4 Credits Hr. each (Total Credits Hr. 1*4) = 4 3 Papers of 6 Credits Hr. each (Total Credits Hr. 3*6) = 18 1 Papers of 10 Credits Hr. each (Total Credits Hr. 1*10) = 10	32
3	<b>General Elective (GE)</b>	4 Paper of 4 Credits Hr. each (Total Credits Hr. 4*4) = 16	16
4	<b>Discipline Specific Elective (DSE)</b>	2 Papers of 4 Credits Hr. each (Total Credits Hr. 2*4) =8 1 Papers of 3 Credits Hr. each (Total Credits Hr. 1*3) =3	11
5	<b>Skill Enhancement Compulsory Course (SEC)</b>	1 Paper of 4 Credits Hr. each (Total Credits Hr. 1*4) =4 1 Paper of 3 Credits Hr. each (Total Credits Hr. 1*3) =3 8 Papers of 2 Credits Hr. each (Total Credits Hr. 8*2) =16	23
6	<b>Ability Enhancement Course (AEC)</b>	1 Paper of 2 Credits Hr. each (Total Credits Hr. 1*2) = 2 1 Paper of 3 Credits Hr. each (Total Credits Hr. 1*3) = 3 1 Paper of 4 Credits Hr. each (Total Credits Hr. 1*4) = 4	9
	<b>Total Credits Hrs</b>		<b>160</b>



**B.Sc. (Hons.) in Interior Design (B-ID) Programme**  
**Under Choice Based Credit, Grading and Semester System**  
**Curriculum Framework**

**FIRST YEAR**

Sr. No	Semester I	Subject code	Credits	Sr. No	Semester II	Subject code	Credits
	<b>Core Course (CC)</b>				<b>Core Course (CC)</b>		
1	CC-1 Fundamentals of Design - 2 Dimensional		4	1	CC-4 Basics of Design - 3 Dimensional		6
2	CC-2 Residential Interior Design		4	2	CC-5 Interior Design of Villa & Bungalow		6
3	CC-3 History of Design - Ancient Civilization		4	3	CC-6 History of Design - Trends & Movements		4
	<b>General Elective (GE) (Any one)</b>				<b>General Elective (GE) (Any one)</b>		
4	GE-1 Foundation of Construction & Building Material		4	4	GE-2 Advance Technology in Construction & Building Materials		4
	GE-1 Organizational Behavior				GE-2 Principle of Management		
	<b>Ability Enhancement Course (AEC)</b>				<b>Ability Enhancement Course (AEC)</b>		
5	AEC-1 Basics of Graphics & Free Hand Sketching		3	5	AEC-1 Advance Methods of Graphics & Free Hand Sketching		4
6	AEC-2 Functional English		2				
	<b>Skill Enhancement Course (SEC)</b>				<b>Skill Enhancement Course (SEC)</b>		
7	SEC-1 Workshop - Model Making & Visual Study		3	6	SEC-3 Yoga & Ethics		2
8	SEC-2 Sanskrit/ Allied / Other related course		2				
		<b>TOTAL</b>	<b>26</b>			<b>TOTAL</b>	<b>26</b>

**SECOND YEAR**  
**(To be Implemented from Academic year 2021-2022)**

Sr. No	Semester III	Subject code	Credits	Sr. No	Semester IV	Subject code	Credits
	<b>Core Course (CC)</b>				<b>Core Course (CC)</b>		
1	CC-7 Interior Design for Boutique		4	1	CC-10 Interior Design for Club House		4
2	CC-8 Technical Drawing for Villa & Bungalow		4	2	CC-11 Construction Material & Methods for Ceiling & Floor		4
3	CC-9 Technical Services for Villa & Bungalow		4	3	CC-12 Technical Drawing for Boutique		4
	<b>General Elective (GE) (Any One)</b>				<b>General Elective (GE) (Any One)</b>		
4	GE-3 Materials & Methods of Construction for Enclosures		4	4	GE-4 Basics of Plumbing & HVAC System		4
	GE-3 Human Resource Management			4	GE-4 Business Administration		
	<b>Discipline Specific Compulsory Course (DSC)</b>				<b>Discipline Specific Compulsory Course (DSC)</b>		
5	DSC -1 Practical Training/Internship		6	5	DSC -2 Practical Training/Internship		6
	<b>Skill Enhancement Course (SEC)</b>				<b>Skill Enhancement Course (SEC)</b>		
6	SEC-4 Introduction to Computer Aided Design (CAD)		2	6	SEC-6 Advance Computer Aided Design		2
7	SEC-5 Sanskrit /Allied/ Other Related Course		2	7	SEC-7 Environmental Studies		2
	<b>TOTAL</b>		<b>26</b>		<b>TOTAL</b>		<b>26</b>

**THIRD YEAR**

Sr No	Semester V	Subject code	Credits	Sr . No .	Semester VI	Subject code	Credits
	<i>Core Course (CC)</i>				<i>Core Course (CC)</i>		
1	CC-13 Interior Design of Restaurant		4	1	CC-16 Professional Practice		6
2	CC-14 Methods & Techniques of Mill Works		4				
3	CC-15 Fundamentals of Tender Documents		3				
	<i>Discipline Specific Elective (DSE) (Any One)</i>				<i>Discipline Specific Elective (DSE) (Any One)</i>		
4	DSE-1 Introduction to Building Management System		4	2	DSE-3 Product Designing		4
	DSE-1 Sustainable Development				DSE-3 Entrepreneurship		
	<i>Discipline Specific Elective (DSE) (Any One)</i>				<i>Discipline Specific Elective (DSE) (Any One)</i>		
5	DSE-2 Project Management		3				
	DSE-2 Global Leadership & Culture						
	<i>Discipline Specific Compulsory Course (DSC)</i>				<i>Discipline Specific Compulsory Course (DSC)</i>		
6	DSC-3 Interior Design Dissertation		4	3	DSC-4 Internship (6-8 Weeks)		10
					DSC-5 Dissertation		6
	<i>Skill Enhancement Course (SEC)</i>				<i>Skill Enhancement Course (SEC)</i>		
7	SEC-8 Introduction to Rendering Software		4	4	SEC-10 Human Rights & Indian Constitution		2
8	SEC-9 Sanskrit/ Allied / Other related course		2				
		<b>TOTAL</b>	<b>28</b>			<b>TOTAL</b>	<b>28</b>

The syllabus can be updated/revised/modified from time to time to meet industry requirements.

**Syllabus and Question Paper Pattern  
of Courses of  
B.Sc. (Hons.) in Interior Design Programme  
First Year  
*Semester I and II*  
Under Choice Based Credit, Grading and  
Semester System**

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester I**

**1. Fundamentals of Design - 2 Dimensional**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Elements of Design	12
Module 2	Representation in 2D - Form, Space, & Volume	14
Module 3	Colour Pattern	10
Module 4	Principles of Design	24
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To understand elements & principles of design such as point, lines, shapes, colour, texture & forms, volume, spaces etc.
2. To employ study in the form of drawings & sketches to enhance the vision, imagination & scale of the object.
3. To understand and study mass, volume, space & analysis in sketch form.
4. To understand graphical representation and geometry of design in 2D format only.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Understand elements and principles of design and their applications in the design process.
2. Understand design fundamentals as principal tools in developing overall design process.
3. Understanding & represent colour concepts & theories including textures in 2D drawing format only.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Elements of Design</b>	<b>12</b>
	Line, Form, Shape & Size. Basic units of visual design, which forms its structure and convey visual messages.	
<b>2</b>	<b>Representation in 2D - Form, Space, &amp; Volume</b>	<b>14</b>
	Learning of Form, Space & Volume & application in Interior Design	
<b>3</b>	<b>Colour Pattern</b>	<b>10</b>
	Learning Colour theory through the colour wheel, study of various colour schemes as applied to Interior spaces, study of pattern & design textures.	
<b>4</b>	<b>Principles of Design</b>	<b>24</b>
	Understanding Principles of Design such as Balance, Rhythm, Harmony and their application in Design. Representation of Principles of Design in 2D or sketch form Only	

### Reference Books

1. Gonnella, Rose (2014) - Design Fundamentals: Notes on Visual Elements and Principles of Composition.
2. Kaur, Surinderjit (2015)- Elements and Principles of Design.
3. Greene, Charlene (1982)- Masking the Color Wheel.
4. Martha Gill - (2001) Color Harmony for Interior Design

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester I**

**2. Residential Interior Design**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Design units' study	9
Module 2	Residential design units	9
Module 3	Case Study of different residential spaces	15
Module 4	Designing residential project (70 sqm.)	27
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To understand and apply Ergonomics and Anthropometric study to interior spaces (residences only).
2. To understand human activity, spatial use, circulation and planning with respect to small residential spaces (up to 70 sqm.) through various case studies.
3. To study furniture placement (with correct dimensions and proportion) with respect to small residential spaces.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Understand different user needs for residential interiors.
2. Understand planning & design basics and learn drafting methods of interior spaces based on standard and optimum dimensions of interior elements with consideration to anthropometrics and universal accessibility.
3. Analyse, justify, and apply learnt concepts to planning and designing of small residential spaces through detailed measured drawings

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Design units' study</b>	<b>9</b>
	Understanding different interior design spaces and elements based on user needs and human activity.	
<b>2</b>	<b>Residential design units</b>	<b>9</b>
	Students will be required to take measurements of various furniture units for better understanding of user specific requirement. Understanding of Anthropometric and Ergonomic studies and correct measurements.	
<b>3</b>	<b>Case Study of different residential spaces</b>	<b>15</b>
	Understanding Residential spaces - in terms of circulation, zoning and planning. Understanding of volume, space, orientation and fenestration of residential spaces.	
<b>4</b>	<b>Designing residential project (70 sqm.)</b>	<b>27</b>
	Designing residential project as per design brief, following process of analysis & evaluation of data collection and employing learnt concepts.	

### Reference Books

1. Kourganoff (1973)- Introduction to the Physics of Stellar Interior.
2. Marsh, Mary (2014)- Interior Design
3. Joseph Dechiara - Time-Saver Standards for Interior Design and Space Planning



***Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester I***

**3. History of Design - Ancient civilization**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Basics of Interior spaces	12
Module 2	Evolution of Interior design	18
Module 3	History of most important ancient civilizations and tracing furniture history	18
Module 4	Analysis & presentation & tracing timeline of Civilization	12
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To learn about various elements in an interior space & their visual and psychological impacts on users.
2. To understand the history of civilizations, furniture - its evolution & influences on social and cultural aspects on interior design.
3. To analyse various art forms and understand their application in interior.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Practice the application of basic rules of space planning and organization with respect to interior elements and forms.
2. Evaluate the contribution of various civilizations and their influence on current trends in interior design today.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Basics of Interior spaces</b>	<b>12</b>
	Introduction to different spaces in regard to user need and user behaviour through past and present examples. Understanding/Evaluating various spaces, private, commercial and communal spaces and analysing visual and psychological impact on users.	
<b>2</b>	<b>Evolution of Interior design</b>	<b>18</b>
	How and when Interior designing began? A look into need, uses socio political context through study of ancient civilizations such as Indus Valley, Mesopotamia, Egypt etc	
<b>3</b>	<b>History of most important ancient civilizations and tracing furniture history</b>	<b>18</b>
	How furniture evolved through history as a socio-cultural product. Study of Greek, Roman, Medieval, Gothic and Roman, Renaissance & Indian Furniture History & its evolution.	
<b>4</b>	<b>Analysis &amp; presentation &amp; tracing timeline of all ancient civilizations</b>	<b>12</b>
	Based on findings and research submit presentation of concept as required by the brief prepared by the faculty.	

### Reference Books

1. Alain de Botton - The Architecture of Happiness
2. Michael Mehaffy- A Theory of Architecture
3. Peter Zumthor- Thinking architecture
4. Taschen (2015) - Architectural Theory: From the Renaissance to the Present
5. A History of Interior Design- John F. Pile
6. Faulkner, R. and Faulkner, S. (1987), Inside Today's Home, Rinehart publishing company, New York.

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester I**

**4. Foundation of Construction & Building Material**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Structural components (Bricks & Stones)	15
Module 2	Timber	15
Module 3	Metals used in construction	15
Module 4	Openings: Doors and Windows	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To learn different techniques of construction.
2. To learn different building materials used in construction such as bricks, cement, stones, timber, ferrous materials.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Identify building components & elements used in substructure and superstructure and understand materials and construction techniques.
2. Understand timber and metals and their use in construction & interior spaces.
3. Identify different types of doors & windows.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Structural components (Bricks &amp; Stones)</b>	<b>15</b>
	Introduction to the basic structural components and elements of built structure and construction system using these components.	
<b>2</b>	<b>Timber</b>	<b>15</b>
	Uses of Timber in construction and interior spaces.	
<b>3</b>	<b>Metals used in construction</b>	<b>15</b>
	Use of Metals such as Iron & Steel in interior design and construction. Use of Aluminium & other alloys	
<b>4</b>	<b>Openings: Doors and Windows</b>	<b>15</b>
	Doors, windows, ventilators with focus on different modes of operation and their jamb linings, structural glazing Doors and Windows: Types based on mode of operation, material and positioning.	

### Reference Books

1. Barry, R. (1999). The Construction of Buildings Vol. 2. 5th Ed. New Delhi: East-West Press.
2. Sushil Kumar (2010)- Building construction.
3. Sharvari Gijare - Construction Technique for Interior Design
4. McKay, W. B. (2005). Building Construction Metric Vol., I-IV. 4th Ed. Mumbai: Orient Longman.
5. Bindra, S.P. and Arora, S.P. Building Construction: Planning Techniques and methods of Construction, 19th ed. Dhanpat Rai Pub., New Delhi, 2000.

***Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester I***

**4. Organizational Behaviour**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of Lectures</b>
Module 1	Introduction	7
Module 2	Individual and Interpersonal Behavior	8
Module 3	Group Behavior & Team Development	7
Module 4	Organization Culture and Conflict Management	8
	<b>Total</b>	<b>30</b>

**Course Objectives**

1. To provide an understanding of how organizations can be managed more effectively and at the same time enhance the quality of employees work life
2. To facilitate a critical evaluation of organisational practices and their impact on work behaviours, attitudes and performance.

**Course Outcome**

After successful completion of the course the learner will be able to:

1. Analyze individual and group behaviour, and understand the implications of organizational behaviour on the process of management
2. Identify different motivational theories and evaluate motivational strategies used in a variety of organizational settings.
3. Evaluate the appropriateness of various leadership styles and conflict management strategies used in organizations.
4. Describe and assess the basic design elements of organizational structure and evaluate their impact on employees.
5. Explain how organizational change and culture affect working relationships within organizations.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Introduction</b>	<b>7</b>
	<ul style="list-style-type: none"> <li>● Concept and nature of Organizational behaviour; Contributing disciplines to the field of O.B.</li> <li>● O.B. Models; Need to understand human behaviour; Challenges and Opportunities.</li> </ul>	
<b>2</b>	<b>Individual &amp; Interpersonal Behaviour</b>	<b>8</b>
	<ul style="list-style-type: none"> <li>● Biographical Characteristics; Ability; Values;</li> <li>● Attitudes-Formation, Theories, Organisation related attitude, Relationship between attitude and behavior;</li> <li>● Personality – determinants and traits; Emotions; Learning-Theories and reinforcement schedules,</li> <li>● Perception –Process and errors.</li> <li>● Interpersonal Behaviour: Johari Window; Transactional Analysis – ego states, types of transactions, life positions, applications of T.A.</li> </ul>	
<b>3</b>	<b>Group Behavior &amp; Team Development</b>	<b>7</b>
	<ul style="list-style-type: none"> <li>● Concept of Group and Group Dynamics; Types of Groups; Formal and Informal Groups; Stages of Group Development, Theories of Group Formation; Group Norms, Group Cohesiveness; Group Think and Group Shift. Group Decision Making; Inter Group Behaviour;</li> <li>● Concept of Team Vs. Group; Types of teams; Building and managing effective teams. Effective Thinking, Thinking Skills, Thinking Styles, Concept of Six Thinking Hats</li> </ul>	
<b>4</b>	<b>Organization Culture and Conflict Management</b>	<b>8</b>
	<ul style="list-style-type: none"> <li>● Organizational Culture- Concept, Functions, Socialization; Creating and sustaining culture;</li> <li>● Managing Conflict – Sources, types, process and resolution of conflict; Managing Change; Managing across Cultures; Empowerment and Participation.</li> </ul>	

***Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester I***

**5. Basics of Graphics & Free Hand Sketching**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Basic representation	15
Module 2	Methods of Drafting	15
Module 3	Basic Shapes & Free Hand	15
Module 4	Complex Shapes & Scales and basic orthographic projection	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To get acquainted with the use of drawing equipment, materials and methods of using them.
2. To understand units of measurements (Metric & Feet) & of scales.
3. To learn basic hand sketching, architectural lettering.
4. To understand, draft and represent techniques (especially plans & sections) to help visualization.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Demonstrate several drawing skills by using appropriate tools, equipment, materials, processes, medium selection, techniques of drawings and graphics, etc.
2. Develop an understanding of depth of line, shape, mass, texture etc. through various studio assignments.
3. Understand and demonstrate graphic techniques for multi-view drawings such as views, plans, elevations and sections of building components, as per standard design practice.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Basic representation</b>	<b>15</b>
	Understanding basic drafting techniques, graphic codes architectural lettering, etc. Line drawings & line patterns.	
<b>2</b>	<b>Methods of Drafting</b>	<b>15</b>
	Learning drafting methods with instruments. Learning different units (Metric & Feet) for drafting technical drawings.	
<b>3</b>	<b>Basic Shapes &amp; Free Hand</b>	<b>15</b>
	Sketching different shapes & forms. Learning free hand sketching in a natural environment.	
<b>4</b>	<b>Complex Shapes &amp; Scales and basic orthographic projection</b>	<b>15</b>
	Orthographic projection of objects (simple & complex), drawing plans, sections, elevations.	

### Reference Books

1. Magali Delgado Yanes, Ernest Redondo Domingu - Freehand Drawing- For Architects and Interior Designers
2. Paul Laseau - Freehand Sketching
3. Rick Bartholomew - Design Process Hand Sketching for Interiors
4. Francis D. K. Ching - Architectural Graphics



**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester I**

**6.Functional English**

	<b>Modules/Units</b>
1	<b>Word Class</b>
	Articles, Prepositions, Verbs, Adverbs, Conjunctions, Interjections
2	<b>Tenses, Concord, Voice</b>
	Tense and Aspect, Subject and Verb Agreement, Person and Number, Active and Passive Voice
3	<b>Spelling and Punctuation</b>
	Rules of Punctuation, Basic Rules of Spelling
4	<b>Sentences</b>
	Types of Sentences, Conversion of Sentences

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester I**

**7. Workshop - Model Making & Visual Study**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	3D Scales (height, width, length)	15
Module 2	Modelling materials for architecture & tools	15
Module 3	Material joinery	15
Module 4	Modelling & concept presentation & assembly	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To learn scales & dimensions of various objects & get hands-on experience.
2. To understand tactile quality of materials through use of soft, hard, warm, cold, rugged materials and hands on experiments.
3. To get an understanding of industrial material and joinery processes.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Understand material quality and application potential.
2. Conceptualize & demonstrate creativity to craft entities in nature in realistic or abstracted form using accurate materials, joinery.

## Detailed Syllabus

<b>Module</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>1</b>	<b>3D Scales (height, width, length)</b>	<b>15</b>
	Learning scales & dimensions of various objects in nature and interior spaces preparing skeletal models.	
<b>2</b>	<b>Modelling materials for architecture &amp; tools</b>	<b>15</b>
	Learning about architectural materials, properties and application to build objects.	
<b>3</b>	<b>Material joinery</b>	<b>15</b>
	Learning joinery & connections.	
<b>4</b>	<b>Modelling &amp; concept presentation &amp; assembly</b>	<b>15</b>
	Learning preparation of scaled model for presentation as per design brief that will reflect the students research, concept, understanding.	

### Reference Books

1. G Matthew Buckles - Building Architectural and Interior Design Models Fast! An Easy to Follow Step-By-Step Guide to Constructing Design Studio Models
2. Megan Werner - Model Making (The Architecture Brief Series)

***Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester I***

**8.Sanskrit/Allied/Other Course**

**Structure of Language**

- Nouns and various cases
- Ten conjugations
- Voices
- Causal
- Absolute Locative
- Frequentatives
- Desideratives
- Sandhis
- Compounds
- Gerunds
- Infinitives
- History of Sanskrit Literature

**Or**

**Personality Development Skills**

Module I Interpersonal Skills

Module II Phone Etiquette & Professional Communication

Module III Email Etiquette

Sem IV Time Management

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester II**

**1. Basics of Design - 3 Dimensional**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Spaces	9
Module 2	Understanding and representation in 3D of Form, Space & Volume	12
Module 3	Exercise in Colour Theory & Light	12
Module 4	Understanding and representation in 3D of Principles of Design	27
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To evolve & transact on course content of Semester-I in 3D format.
2. To learn application of Principles of Design into planning process
3. To learn forms - additive & subtractive transformations through various 3D exercises.
4. To understand solid and voids in forms and compositions through 3D exercise

**Course Outcome**

After successful completion of the course the student will be able to:

1. Work with forms and their interplay, by hands-on experiments in 3D format.
2. Develop aesthetic and functional concepts through application of Principles of Design learnt in Sem-I.
3. Develop an understanding of space modulation and theme-based design.
4. Apply learning of colour concepts in hands-on exercises. (Logo Designs)
5. Develop an understanding of co-relation between colour & light.



## Detailed Syllabus

<b>Module</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>1</b>	<b>Spaces</b>	<b>9</b>
	Learning about space & volume & its various modulations exhibit understanding through model making and hand on experiments.	
<b>2</b>	<b>Understanding and representation in 3D of Form, Space &amp; Volume</b>	<b>12</b>
	Learning of forms their interplay & transformation & develop aesthetic sensibilities and exhibit understanding through model making.	
<b>3</b>	<b>Exercise in Colour Theory &amp; Light</b>	<b>12</b>
	Learning different colour themes. Learn about the relation between colour and light. Understanding light and effects (Advance). Present understanding through case study example: Application of themes through logo making.	
<b>4</b>	<b>Understanding and representation in 3D of Principles of Design</b>	<b>27</b>
	Complex exercises using Principles of Design- representation in 3D Model. Application of Ergonomics & Anthropometrics in planning process.	

### Reference Books

1. Gonnella, Rose (2014) - Design Fundamentals: Notes On Visual Elements And Principles of Composition.
2. Kaur, Surinderjit (2015)- Elements and Principles of Design.
3. Greene, Charlene (1982)- Masking the Color Wheel.
4. Martha Gill - (2001) Color Harmony for Interior Design

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester II**

**2. Interior Design of Villa & Bungalow**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Residential case - study (Large & Luxury Residential Space up to 200 sq.)	9
Module 2	Residential Pre-study & Case Study	9
Module 3	Preliminary residential designing	15
Module 4	Final residential designing & presentation	27
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To study & understand theme-based interior spaces and services needed for large residential interior spaces.
2. To plan & draft large theme-based residential space, in terms of function, aesthetic quality & services.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Understand large luxury residential spaces in terms of circulation, planning & user needs through various case studies.
2. Plan and design theme based large residential spaces, and show representation through floor plans, furniture layout, reflected ceiling plans, mood boards and concept.



## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Residential case - study (Large &amp; Luxury Residential Space up to 200 sq.)</b>	<b>9</b>
	Learning of large residences, in terms of specific user and area needs. Learning of large theme based large residences & presentation same (Large residential space up to 120 sqm.)	
<b>2</b>	<b>Residential Pre-study &amp; Case Study</b>	<b>9</b>
	Application & analysing concepts of theory of design in terms of forms, spaces and interior design elements	
<b>3</b>	<b>Preliminary residential designing</b>	<b>15</b>
	Plan, design & draft residential space as per given brief and based on research, concept building and theme.	
<b>4</b>	<b>Final residential designing &amp; presentation</b>	<b>27</b>
	Final design presentation with all technical drawings for submission meeting all criteria as per design brief. Introduction of Esquire - Project that will be assigned in the studio and based on small retail or public space. (not more than 50 sqm.)	

### Reference Books

1. Rao MP - Interior Design Principles & Practice
2. Sully, Anthony- Interior design conceptual basis
3. Susie Hodge - The Short Story of Art

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester II**

**3. History of Design - Trends & Movements**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Forms and spaces in history: Functionality & Aesthetics; Study through examples in history and their analysis	18
Module 2	Design details, documentation & analysis of examples in history	12
Module 3	Design trends and movements from Post Renaissance to Modern Era	14
Module 4	Furniture Forms	16
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To learn form & space transformation through various examples in History to present date.
2. To learn about design trends through various examples in History.
3. To learn historical styles, furniture and its impact on current trends.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Trace the evolution of design history to the creation of new products for interior design.
2. Interpret and apply historic design styles to contemporary interior environment settings.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Forms and spaces in history: Functionality &amp; Aesthetics; Study through examples in history and their analysis</b>	<b>18</b>
	Learning design transformation from History to Modern Era and analysing different forms & elements in interiors. Functionality & aesthetics through examples in history and analysis.	
<b>2</b>	<b>Design details, documentation &amp; analysis of examples in history</b>	<b>12</b>
	Analysis of various design details that have become classic examples in History (Column Orders, Temple architecture etc)	
<b>3</b>	<b>Design trends and movements from Post Renaissance to Modern Era</b>	<b>14</b>
	Design movements and ‘isms’ and their impact on current age (Bauhaus to Post- Modernism). Socio-political context that defined these movements	
<b>4</b>	<b>Furniture Forms</b>	<b>16</b>
	Furniture post Renaissance age with spotlight on some architects & designers	

### Reference Books

1. Alain de Botton - The Architecture of Happiness
2. Michael Mehaffy- A Theory of Architecture
3. Peter Zumthor- Thinking architecture
4. Taschen (2015) - Architectural Theory: From the Renaissance to the Present
5. Faulkner, R. and Faulkner, S. (1987), Inside Today’s Home, Rinehart publishing

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester II**

**4. Advance Technology in Construction & Building Materials**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Walls & partition building materials	20
Module 2	Wall cladding and panelling materials	25
Module 3	Simple modular furniture	20
Module 4	Simple modular furniture detailing	25
	<b>Total</b>	<b>90</b>

**Course Objectives**

1. To learn and apply techniques of construction based on Interior design portfolio Sem-I
2. To learn and apply different building cladding materials based on Interior Design Portfolio Sem-I

**Course Outcome**

After successful completion of the course the student will be able to:

1. Develop constructional details for basic furniture layouts.
2. Use critical thinking strategies to generate an appropriate furniture, fixture and materials selection considering applicable codes and sustainability
3. Compare and analyse various materials used for cladding purposes for building components along with their construction details.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Walls &amp; partition building materials</b>	<b>20</b>
	Wooden framed fixed partition with single/double skin, aluminium framed partition, dry wall partition systems, full glass partition with architectural hardware.	
<b>2</b>	<b>Wall cladding and panelling materials</b>	<b>25</b>
	Wall cladding in different materials, wall panelling in different materials.	
<b>3</b>	<b>Simple modular furniture</b>	<b>20</b>
	Introduction to modular furniture, analysing the need and criteria for selection, materials used and constructional details.	
<b>4</b>	<b>Simple modular furniture detailing</b>	<b>25</b>
	Detailing of modular furniture and making constructional study through visits to vendors & expos & workshops.	

### Reference Books

1. Barry, R. (1999). The Construction of Buildings Vol. 2. 5th Ed. New Delhi : East-West Press.
2. Sushil Kumar (2010)- Building construction
3. Sharvari Gijare - Construction Technique for Interior Design
4. McKay, W. B. (2005). Building Construction Metric Vol. I-IV. 4th Ed. Mumbai : Orient Longman.
5. Rangwala, S.C. Building Construction: Materials and types of Construction, 3rd ed. John Wiley and Sons, Inc., New York, 1963
6. S.K.Duggal, Building Materials, Illustrated, A.A.Balkema,1998.

***Syllabus of Courses of  
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**4. Principles of Management**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Nature of Management	15
Module 2	Planning and Decision Making	15
Module 3	Organizing	15
Module 4	Directing, Leadership, Co-ordination and Controlling	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To introduce the concept, nature and characteristics of Management.
2. To help students understand the importance of planning and decision making.
3. To make students familiarise with concepts of directing, controlling and coordinating.

**Course Outcome**

After successful completion of the course the learner will be able to

1. Understand the concepts related to Business.
2. Demonstrate the roles, skills and functions of management.
3. Analyse effective application of POM knowledge to diagnose and solve organizational problems and develop optimal managerial decisions.
4. Understand the complexities associated with the management of human resources in the organizations and integrate the learning in handling these complexities

<b>Module</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>1</b>	<b>Nature of Management</b>	<b>15</b>
	<ul style="list-style-type: none"> <li>● Management: Concept, Significance, Role &amp; Skills, Levels of Management, Concepts of Planning, Organizing, Staffing, Directing, Coordinating, Reporting and Budgeting, Managerial Grid.</li> <li>● Evolution of Management thoughts, Contribution of F.W Taylor, Henri Fayol and Contingency Approach.</li> </ul>	
<b>2</b>	<b>Planning and Decision Making</b>	<b>15</b>
	<ul style="list-style-type: none"> <li>● Planning: Meaning, Importance, Elements, Process, Limitations and MBO.</li> <li>● Decision Making: Meaning, Importance, Process, Techniques of Decision Making.</li> </ul>	
<b>3</b>	<b>Organizing</b>	<b>15</b>
	<ul style="list-style-type: none"> <li>● Organizing: Concepts, Structure (Formal &amp; Informal, Line &amp; Staff and Matrix), Meaning, Advantages and Limitations</li> <li>● Departmentation: Meaning, Basis and Significance</li> <li>● Span of Control: Meaning, Graicunas Theory, Factors affecting span of Control Centralization Vs Decentralization</li> <li>● Delegation: Authority &amp; Responsibility relationship</li> </ul>	
<b>4</b>	<b>Directing, Leadership, Co-ordination and Controlling</b>	<b>15</b>
	<ul style="list-style-type: none"> <li>● Directing: Meaning and Process</li> <li>● Leadership: Meaning, Styles and Qualities of Good Leader</li> <li>● Co-ordination as an Essence of Management</li> <li>● Controlling: Meaning, Process and Techniques</li> <li>● Recent Trends: Green Management &amp; CSR</li> </ul>	

### **Reference Books:**

1. Essentials of Management Koontz H & W McGraw Hill, New York
2. Principles of Management Ramaswamy Himalaya, Mumbai
3. Management Concept and Practice Hannagain T McMillan, Delhi
4. Basic Managerial Skills for All McGrath, E.H. Prentice Hall of India
5. Management-Text & Cases VSP Rao Excel Books, Delhi Assessment Pattern
6. Essentials of Management Massie Joseph Prentice Hall of India
7. Management: Principles & Guidelines Thomas N. Duening & John Ivancevich Biztantra
8. Management Concepts and OB P.S.Rao&N.V.ShahAjabPustakalaya
9. Management Concepts and Strategies J S Chandran Vikas Publishing House
10. Principles Of Management Tripathi P.C. Tata McGraw Hill

**Syllabus of Courses of  
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**5. Advance Methods of Graphics & Free Hand Sketching**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Sketching & rendering techniques	15
Module 2	Complex orthographic projections and sectional elevations drafting	15
Module 3	3D Views	15
Module 4	3D View Presentation	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To improve on 2D & 3D sketching and rendering in scale & proportion.
2. To learn different geometrical forms using drafting instruments & projection themes in 3D.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Demonstrate various skills in sketching & rendering producing and interpreting drawings.
2. Demonstrate understanding & presentation of the 3D views in good quality.
3. Demonstrate advanced techniques for architectural drawing such as perspective projection etc.



## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Methods of Sketching</b>	<b>15</b>
	Sketching and sketching exercises using pencil & colour techniques that aim to improve the students' free hand and hand coordination. Learning of different colour rendering techniques in various mediums	
<b>2</b>	<b>Orthographic projections and sectional elevations drafting</b>	<b>15</b>
	Learning orthographic projections (Isometric, axonometric) Learning different complex shapes used in interior design earlier with technical drawing	
<b>3</b>	<b>3D Views</b>	<b>15</b>
	Learning different technique of 3D view presentation [Perspective, Bird's eye view, Worm's eye view]	
<b>4</b>	<b>3D View Presentation</b>	<b>15</b>
	Learning Different 3D presentation in sketch form Preparation of 3D View based on interior design portfolio of Sem-II	

### Reference Books

1. Magali Delgado Yanes, Ernest Redondo Domingu - Freehand Drawing- For Architects and Interior Designers
2. Paul Laseau - Freehand Sketching
3. Rick Bartholomew - Design Process Hand Sketching for Interiors
4. Francis D. K. Ching - Architectural Graphics

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**6. Yoga & Ethics  
Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Introduction to Yoga	6
Module 2	Yama and Niyama	6
Module 3	Asanas	6
Module 4	Breathing Exercising	6
Module 5	Yoga and Meditation	6
	<b>Total</b>	<b>30</b>

**Course Objectives**

1. To understand the fundamentals of Yoga.

**Course Outcome**

1. Learn more about different yoga postures and asanas.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Introduction to Yoga</b>	<b>6</b>
	<ul style="list-style-type: none"> <li>● What is Yoga?</li> <li>● History and Development of Yoga</li> <li>● Fundamentals of Yoga</li> <li>● Traditional Schools of Yoga</li> <li>● Yogic practices of Health and Wellness</li> <li>● General Guidelines for Yoga practice</li> <li>● Food for thought</li> </ul>	
<b>2</b>	<b>Yama and Niyama</b>	<b>6</b>
	<ul style="list-style-type: none"> <li>● Yama (Ahimsa, Satya, Asteya, Brahmacharya, Aparigraha)</li> <li>● Niyama (Shauch, Santosh, Tapa, Swadhyaya, Ishwarpranidhan)</li> </ul>	
<b>3</b>	<b>Asanas</b>	<b>6</b>
	<ul style="list-style-type: none"> <li>● Standing (Tadasana, Vrikshasana, Pada-Harkasana, Ardha-Chakrasana, Trikonasana)</li> <li>● Sitting (Bhadrasana, Vajrasana, Ushtrasana, Shashankasana, Vakrasana)</li> <li>● Prone (Makarasana, Bhujangasana, Sulabhasana)</li> <li>● Supine (Setu Bandhasana, Uttanapadasana, Pavanamuktasana)</li> </ul>	
<b>4</b>	<b>Breathing Exercises</b>	<b>6</b>
	<ul style="list-style-type: none"> <li>● Kapalabhati</li> <li>● Pranayama—Anuloma-Viloma, Shitali, Bhramari</li> </ul>	
<b>5</b>	<b>Yoga and Meditation</b>	<b>6</b>
	<ul style="list-style-type: none"> <li>● Prayer</li> <li>● Dhyana</li> <li>● Yoga Geet</li> </ul>	

### Reference Books:

1. Module I, III, IV, V – (As per common yoga protocol for International Day of Yoga) Ministry of AYUSH
2. Module II – (As per Patanjala Yogasutra)
  - a. Yoga Sutra with Bhashya (Marathi) – Shri Rele, Prasad Prakashan, Pune
  - b. Yoga Sutra with Bhasgya (Hindi) – Darshan Mahavidyalaya, Parsodi, Gujarat
  - c. Yogasutra (Marathi) – Shri Kolhatkar, Prasad Prakashan, Pune

**Syllabus and Question Paper Pattern of  
Courses of**

**B.Sc. (Hons.) in Interior Design (B-ID) Programme  
Second Year  
Semester III and IV**

**Under Choice Based Credit, Grading and Semester  
System**

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester III**

**1. Interior Design for Boutique**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Retail space Pre-Study	9
Module 2	Retail space (Boutique) Case-Study	9
Module 3	Retail space (Boutique) designing Pre-finals	15
Module 4	Retail space (Boutique) design detailing and working drawings	27
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To understand different types of retail spaces in terms of space planning, user needs & movement, merchandising space.
2. To create aesthetic design with application of basic services & theme-based presentation of a retail project. (Boutique)

**Course Outcome**

After successful completion of the course the student will be able to:

1. Understand different types of retail spaces in terms of functionality, various users such as retailers & customers, & merchandising.
2. Analyse & apply learnt concepts from various case-studies to designing of a retail space such as a boutique.
3. Select suitable materials, finishes, and furnishings to coordinate, a theme-based design of a boutique.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Retail space Pre-Study</b>	<b>9</b>
	Learning of different types of retail spaces, branding, merchandise & present findings in terms of users, activities, context etc	
<b>2</b>	<b>Retail space (Boutique) Case-Study</b>	<b>9</b>
	Understanding functionality of various retail spaces through live & bookcase studies. Understand & apply zoning, bubble diagrams and adjacency diagrams.	
<b>3</b>	<b>Retail space (Boutique) designing Pre-finals</b>	<b>15</b>
	Develop concept/philosophy and work out theme-based design as per design brief.	
<b>4</b>	<b>Retail space (Boutique) design detailing and working drawings</b>	<b>27</b>
	Final design presentation with all technical drawings (plans, section, elevation, zoom-in detail), reflected ceiling plan, floor design & pattern, material selection and mood boards as per design brief	

### Reference Books

1. Eugeni Pons - The Commercial Interior Book
2. Jons Messedat (2015)- Retail Architecture S-XXL: Development, Design, Projects
3. Christine M. Piotrowski, Elizabeth A. Rogers (1999)- Designing Commercial Interiors
4. Mark.W. Lin, (1993) Drawing and Designing with Confidence: A step-by-step guide, Wiley and Sons.
5. Judy Shephard, Retail Spaces: Small Stores, No. 2.

**Syllabus of Courses of  
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at Semester III**

**2. Technical Drawing for Villas & Bungalow**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Presentation skills and learning basic working Drawings	15
Module 2	Plan levels & working drawings	15
Module 3	Dimensioning	15
Module 4	Details of spatial elements, sectional elevation & details of ceilings, staircases & service block	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To understand and learn to present working drawings for - plans, sections, ceiling details furniture in detail.
2. To understand working details of toilet block, staircase etc

**Course Outcome**

After successful completion of the course the student will be able to:

1. Draft technical detailing & shop drawings for interior spaces.
2. Learn and demonstrate understanding of complex sections through ceilings, staircase & toilet blocks.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Presentation skills and learning basic working drawings</b>	<b>15</b>
	To understand presentation skills in working drawing starting point, line out, hatch pattern for materials	
<b>2</b>	<b>Plan levels &amp; working drawings</b>	<b>15</b>
	Learning different types of plans like floor plan, flooring (material) plan, reflected ceiling plan, mezzanine & loft level plan & making working drawings for different level plans.	
<b>3</b>	<b>Dimensioning</b>	<b>15</b>
	Representation of dimensions in working drawings including toilet block	
<b>4</b>	<b>Details of spatial elements, sectional elevation &amp; details of ceilings, staircases &amp; service block</b>	<b>15</b>
	Detailed drawings for furniture. staircase & service block	

### Reference Books

1. Mario Carpo- The Working Drawing: The Architect's Tool
  2. Ralph W. Liebing (1977)- Architectural Working Drawings
  3. William P Spence (1993) - Architectural Working Drawings: Residential and Commercial Buildings
  4. Osamu A. Wakita (1984) - The professional practice of architectural working drawings
- Glenn E. Wiggins (1989) - A Manual of Construction Documentation: An Illustrated Guide to Preparing Construction Drawings



**Syllabus of Courses of  
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**3. Technical Services for Villa & Bungalow**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Basic services	12
Module 2	Specifications of services	12
Module 3	Services & representation in drawings	18
Module 4	Detailed drawing & presentation	18
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To learn different types of services required for Residential Project.
2. To learn different techniques of drawing for all services as per architectural standards.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Apply new techniques and systems in the design.
2. Explain different phenomenon and principles related to sound propagation and their implications on building design.

## Detailed Syllabus

<b>Module</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>1</b>	<b>Basic services</b>	<b>12</b>
	Learning basics of different services in a residential Project	
<b>2</b>	<b>Specification of services</b>	<b>12</b>
	Learning technical specification of services	
<b>3</b>	<b>Services &amp; representation in drawings</b>	<b>18</b>
	Learning basic single line diagram of all services as per architectural standards & colour codes	
<b>4</b>	<b>Detailed drawing &amp; presentation</b>	<b>18</b>
	Preparation of technical drawings for services based on Sem-I, Residential design portfolio	

### Reference Books

1. A.K. Mittal- Electrical and Mechanical Services in High Rise Building: Design and Estimation Manual: Including Green Buildings
2. Fred Hall, Roger Greeno - Building Services Handbook
3. Er. V.K. Jain - Handbook of Designing and Installation of Services in High Rise Building Complexes
4. F. Porges - The design of electrical services for buildings

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester III**

**4. Materials & Methods of Construction for Enclosures**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Introduction to structural systems (bricks, stone, concrete & timber)	15
Module 2	Floor systems	15
Module 3	Staircases	15
Module 4	Roofing systems	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To learn about various structural systems, floor systems & roofing systems.
2. To learn about means of construction, assembly and joinery, & present detailed working drawings based on interior design portfolio of previous semester.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Prioritize and define the aspects of structural systems for interior spaces.
2. Understand and define different roofing systems and materials.
3. Define and understand different types of staircases and detailing as per utility and specifications

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Introduction to structural systems (bricks, stone, concrete &amp; timber)</b>	<b>15</b>
	Introduction to different structural systems for buildings: - Laying brick/stone masonry- its application in the interior design. RCC frame structure with column, beam, slab, cantilevers etc. – its application in interior field. Steel framed construction with different rolled sections - its application	
<b>2</b>	<b>Floor systems</b>	<b>15</b>
	Single floor in wood and steel with different floor finishes. Introduction to double floor in steel.	
<b>3</b>	<b>Staircase</b>	<b>15</b>
	Types of Staircases Single flight wooden staircase and dog legged RCC, metal staircase. Principles of steel spiral stairs	
<b>4</b>	<b>Roofing systems</b>	<b>15</b>
	Pitch roof/lean-to roof in steel with coated metal sheets, colour clay tiles and waterproofing of flat terrace and toilet.	

### Reference Books

1. Barry, R. (1999). The Construction of Buildings Vol. 2. 5th Ed. New Delhi: East-West Press.
2. Sushil Kumar (2010)- Building construction
3. Sharvari Gijare - Construction Technique for Interior Design
4. McKay, W. B. (2005). Building Construction Metric Vol., I-IV. 4th Ed. Mumbai: Orient Longman.
5. Phillis Sleen Allen, Beginning of Interior Environment, New York
6. Shirish Bapat, Basic Design of Anthropometry, Bela books Publishers
7. Ahmed Kasu, Interior Design, TWAIN Pub. Bombay

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**4.Human Resource Management**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Introduction to HRM	15
Module 2	Job Analysis & Recruitment	15
Module 3	Performance Appraisal	15
Module 4	Participative management	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To acquaint students with various issues related to Human Resource Management.
2. To give an overview on Organisation Behaviour as an area of Management.
3. To introduce basic concepts, functions & processes and to create an awareness on the role, functioning of HRM

**Course Outcome**

After successful completion of the course the learner will be able to

1. Develop, implement, and evaluate organizational development strategies aimed at promoting organizational effectiveness
2. Collaborate with others, in the development, implementation, and evaluation of organizational and health and safety policies and practices
3. Contribute to the development, implementation, and evaluation of employee recruitment, selection, and retention plans and processes
4. Develop, implement, and evaluate employee orientation, training, and development programs

<b>Module</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>1</b>	<b>Introduction</b>	<b>15</b>
	<ul style="list-style-type: none"> <li>● Introduction to HRM Definition, Features, Scope/Functions of HRM.</li> <li>● Evolution of HRM, Trends in HRM, Difference between HRM and PM, Challenges before the HR Manager, Role of the HR manager, Traits/Characteristics of the workforce, Personnel Philosophy, Personnel Manual.</li> <li>● Human Resource Planning: Definition of HRP, Process of HRP along with brief coverage of personnel demand and supply, Forecasting techniques, Factors affecting HRP, HRIS, VRS, Outsourcing, Pink slip/termination/retrenchment/downsizing/ Separation Contracting and Sub-Contracting, Promotions and Transfers.</li> </ul>	
<b>2</b>	<b>Job Analysis &amp; Recruitment</b>	<b>15</b>
	<ul style="list-style-type: none"> <li>● Job analysis: Definition, Method of collecting job data, Merits and demerits/ limitations.</li> <li>● Job Design: Definition, Factors affecting job design, Approaches to job design.</li> <li>● Job evaluation: Definition, Methods of job evaluation, Process of job evaluation.</li> <li>● Recruitment: Definition, Sources of recruitment, Merits and demerits.</li> <li>● Selection: Definition, Process of selection, Types of selection tests, Types of interviews.</li> <li>● Induction/orientation: Definition, Methods, Process, Placement.</li> <li>● Training and Development: Definition of training and development, Methods of training Managers, Process/ Procedure of conducting training programs, How to evaluate effectiveness of training program, Advantages of T &amp; D.</li> </ul>	
<b>3</b>	<b>Performance Evaluation</b>	<b>15</b>
	<ul style="list-style-type: none"> <li>● Performance Appraisal: Definition, Methods of appraisal for managers, Traditional and Modern, Process/procedure of conducting performance appraisal, Advantages of performance appraisal, Limitations of performance appraisal.</li> <li>● Compensation management, Definition of compensation Components of salary/ salary slip.</li> <li>● Fringe benefits, Definition and Types Performance linked incentives/incentives, Advantages and Disadvantages.</li> <li>● Career planning and Development: Definition of career planning and career development, Process /procedure Career stages/career life cycle and how to</li> </ul>	

	handle personnel at each stage, Essentials to make career planning successful, Career counselling, Employee Retention techniques, Succession planning.	
<b>4</b>	<b>Participative Management &amp; Industrial Relations</b>	<b>15</b>
	<ul style="list-style-type: none"> <li>● Participative Management: Definition of participative management, Levels of participation, Trends in Participative management, Factors important for effective participative management, Forms of participation, Participation through quality circles, Empowered teams.</li> <li>● Industrial Relations: Definition of industrial relations, Features of industrial relations, Importance of industrial relations, Approaches to industrial relations, Parties to industrial relations.</li> <li>● Trade Unions: Definition of a trade union, Features of a trade union, Trade Union movement in India, Trends in TU.</li> </ul>	

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**5. Practical Training /Internship**

**Modules at a Glance**

**Goals:**

1. To enable students to make a carefully guided transition into the world of work.
2. To create an interface between learning and practice.
3. To provide students with an environment that facilitates knowledge building and enhancing skills/competencies.
4. To provide opportunities for experiential learning in varied areas of their disciplines and enhance their professional growth
5. To enable students to identify their own strengths and skills needing improvement and upgrade them in line with their career goals.
6. To enable students to strengthen their commitment towards becoming responsible, well trained, ethical professionals

**Objectives:**

Internship is introduced with a cohesive plan of action to realise the following learning outcomes: After going through the Internship the student will be able to :

- Facilitate cross- disciplinary learning and development of new skills.
- Integrate knowledge obtained through in-class teaching with a hands-on approach and become familiar with Professional Practices and the world of work
- Pursue responsible roles in an organization
- Develop a road map for future career

**Duration:**

Each student shall undergo an Internship of four weeks approx. in relevant industry or any other business. The objective of this training is to make the students acquainted with the industrial / business working environment.

**Report:**

After completion of the training they will have to submit a training report.

**Marks & Evaluation:**

The internship/project reports will carry 100 marks.It will be evaluated by the examiner. It is to be submitted on or before the date fixed by the Institute.

The students will also have to submit a performance certificate from the company where he/she undertook the training/internship. This report will also be considered while evaluating the training report by examiners.

Alternatively, if it is not possible to do an industrial internship the students will prepare a project report on a topic assigned to him/ her by the Institute.

This allows students to undertake experiential learning by working with organisations/ in the industry to critically examine a major aspect of their operation.



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**6.Introduction to Computer Aided Design (CAD)**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Introduction to AutoCAD	15
Module 2	Basic tools and commands	15
Module 3	Advance commands	15
Module 4	Setting up 2D plan	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To equip the student with basic understanding of software like AutoCAD.
2. To learn basic & advanced tools & commands of AutoCAD.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Demonstrate & draft 2D plan using CAD software.
2. Evaluate CAD techniques as a quicker method for presentation skills.

## Detailed Syllabus

<b>Module</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>1</b>	<b>Introduction to AutoCAD</b>	<b>15</b>
	Learning basic of AutoCAD - setting up units, paper spaces	
<b>2</b>	<b>Basic tools &amp; commands</b>	<b>15</b>
	Draw command- Line, Rectangles	
<b>3</b>	<b>Advance Commands</b>	<b>15</b>
	Modify and Creating Drawing, Assigning Layers and Line Thickness	
<b>4</b>	<b>Setting up 2D plan</b>	<b>15</b>
	Drafting 2D plan of a small residence	

### Reference Books

1. Cheryl R. Shrock - Beginning AutoCAD Exercise Book
2. Linkan Sagar- AutoCAD 2019 Training Guide: Let's create the world by the creativity of CAD 1st Edition
3. Elise Moss - Autodesk Revit 2019 Architecture Basics
4. Munir Hamad- Autodesk Revit 2019 Architecture

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**7. Sanskrit/Allied/Other related Course**

- Vedic Sukta of concord Samjnanasukta
- Ten verses describing rainy season from Ramayana
- Selected verses from the second chapter of Bhagavadgeeta
- Twenty verses from Raghuvamsha by Kalidasa (Canto I.1-20)
- Ashtapadi by Jayadev
- Ten chitrashlok verses
- Ten verses related to health from Ayurveda
- Fifteen verses from modern Sanskrit literature – Vainayakam

**OR**

**Selling Skills**

Module 1-Basics of Selling

Module 2- Sales Conversation

Module 3-Negotiation

Module 4-Closure



**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester IV**

**1. Interior Design for Clubhouse**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Clubhouse Pre-Study	9
Module 2	Clubhouse Case-Study	9
Module 3	Clubhouse designing	15
Module 4	Clubhouse design detailing & presentation	27
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To create functional and aesthetic design for a public entertainment space such as a clubhouse.
2. To understand services for public entertainment spaces such as clubhouse.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Understand types of entertainment spaces.
2. Understand small public amenities such as a clubhouse in terms of function, public use, traffic & circulation, material selection and services through various case-studies.
3. Demonstrate understanding & design small public space such as a clubhouse.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Clubhouse Pre-Study</b>	<b>9</b>
	Learning of function, areas within clubhouse, circulation & adjacencies of internal spaces	
<b>2</b>	<b>Clubhouse Case-Study</b>	<b>9</b>
	Live and bookcase studies of club houses looking into function, areas, circulation, services, themes	
<b>3</b>	<b>Clubhouse designing</b>	<b>15</b>
	Preparing design based on internal areas, placements of elements, detailed design of all elements as per theme.	
<b>4</b>	<b>Clubhouse design detailing &amp; presentation</b>	<b>27</b>
	Final Design Preparation with all technical drawings, material specification and mood board for submission	

### Reference Books

1. Eugeni Pons - The Commercial Interior Book
2. Jons Messedat (2015)- Retail Architecture S-XXL: Development, Design, Projects
3. Christine M. Piotrowski, Elizabeth A. Rogers (1999)- Designing Commercial Interiors
4. Mark.W. Lin, (1993) Drawing and Designing with Confidence: A step-by-step guide, Wiley and Sons.
5. Mark Pimlott- The Public Interior as Idea and Project
6. Mohsen Mostafavi- Ethics of the Urban: The City and the Spaces of the Political

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester IV**

**2. Construction Material & Methods for Ceiling & Floor**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Advance partition and systems	15
Module 2	Basic false ceiling	15
Module 3	Detailed joinery false ceiling	15
Module 4	Raised flooring systems	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To gain knowledge of various partitioning systems, false ceiling systems & false floors.
2. To gain knowledge of construction, assembly and joinery through detailed working drawings.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Acquire knowledge of various modern materials/ patented material used for false ceiling and roof covering.
2. Acquire knowledge of raised flooring systems for IT offices.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Advance partition and systems</b>	<b>15</b>
	Sliding folding partition in metal and glass. Thermal/Acoustical partition panelling in metal frame finished in various materials, movable partitions.	
<b>2</b>	<b>Basic false ceiling</b>	<b>15</b>
	Gypsum board ceiling, modular ceiling systems in various Materials	
<b>3</b>	<b>Detailed joinery false ceiling</b>	<b>15</b>
	Joinery details gypsum board ceiling, modular ceiling systems in various materials	
<b>4</b>	<b>Raised flooring systems</b>	<b>15</b>
	Raised floor for commercial spaces and IT rooms.	

### Reference Books

1. Barry, R. (1999). The Construction of Buildings Vol. 2. 5th Ed. New Delhi: East-West Press.
2. Sushil Kumar (2010)- Building construction
3. Sharvari Gijare - Construction Technique for Interior Design
4. McKay, W. B. (2005). Building Construction Metric Vol., I-IV. 4th Ed. Mumbai: Orient Longman.
5. Phillis Sleen Allen, Beginning of Interior Environment, New York  
Shirish Bapat, Basic Design of Anthropometry, Bela books Publishers
6. Ahmed Kasu, Interior Design, TWAIN Pub. Bombay



***Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester IV***

**3. Technical Drawing for Boutique**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Details for walls and floors recommended for the Boutique	15
Module 2	False ceiling details recommended for the Boutique	15
Module 3	Constructional details for recommended integrated furniture	15
Module 4	Details for civil services integrated in the Boutique	15
	<b>Total</b>	<b>60</b>

**Course Objective**

1. To understand and present detailed drawings showing wall & floor cladding false ceiling, furniture.
2. To understand architectural representation of spatial services.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Draw detailed construction drawings for design components such as walls, floors & ceilings of a retail space.
2. Understand constructional details & working drawings for integrated furniture.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Details for walls and floors recommended for the boutique</b>	<b>15</b>
	Students will make working drawings for their Semester IV, Boutique design project showing all floor plans & all wall details with correct dimensions and proper presentation.	
<b>2</b>	<b>False ceiling types &amp; details recommended for the boutique</b>	<b>15</b>
	Students will make working drawings for their Semester IV, Boutique design project showing sectional details of false ceilings with correct dimensions and proper presentation.	
<b>3</b>	<b>Constructional details for recommended integrated Furniture</b>	<b>15</b>
	Students will make working drawings for their Semester IV, Boutique design project showing furniture layout and integrated furniture details with all dimensions and proper presentation.	
<b>4</b>	<b>Details for civil services integrated in the boutique</b>	<b>15</b>
	Students will make working drawings for their Semester IV, Boutique design project showing all civil services with all dimensions and proper presentation.	

### Reference Books

1. Mario Carpo- The Working Drawing: The Architect's Tool
2. Ralph W. Liebing (1977)- Architectural Working Drawings
3. William P Spence (1993) - Architectural Working Drawings: Residential and Commercial Buildings
4. Osamu A. Wakita (1984) - The professional practice of architectural working drawings
5. Glenn E. Wiggins (1989) - A Manual of Construction Documentation: An Illustrated Guide to Preparing Construction Drawings

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester IV  
(Implemented during Academic Year 2021-2022)**

**4. Basics of Plumbing & HVAC System**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Plumbing & drainage system	12
Module 2	Detailed mechanical services	12
Module 3	Basics of HVAC	18
Module 4	Installation of HVAC	18
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To learn different types of plumbing services required for residential & commercial projects.
2. To understand mechanical services.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Discuss the active and passive components of HVAC and their underlying principles.
2. Identify the design / execution time considerations specific to each of them.
3. Apply the knowledge of HVAC in design creation.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Plumbing &amp; drainage system</b>	<b>12</b>
	Learning detailed plumbing & drainage system for residential & commercial project for water supply and drainage.	
<b>2</b>	<b>Detailed mechanical services</b>	<b>12</b>
	Learning detailed mechanical services such as fresh air supply and ventilation for residential & commercial projects and calculate heat load.	
<b>3</b>	<b>Basics of HVAC</b>	<b>18</b>
	Learning about mechanical heating, ventilation, and air-conditioning for residential & commercial projects to provide heating and cooling services to buildings.	
<b>4</b>	<b>Installation of HVAC</b>	<b>18</b>
	Learning about different methods for installation of HVAC systems in design for space planning.	

### Reference Books

1. A.K. Mittal- Electrical and Mechanical Services in High Rise Building: Design and Estimation Manual:Including Green Buildings
2. Fred Hall, Roger Greeno - Building Services Handbook
3. Er. V.K. Jain - Handbook of Designing and Installation of Services in High Rise Building Complexes
4. F. Porges - The design of electrical services for buildings

***Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester IV***

**4. Business Administration**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Business Environment	15
Module 2	Planning and Organizing	15
Module 3	Controlling	15
	<b>Total</b>	<b>45</b>

**Course Objectives**

1. To understand basic Economy and Business Administration concepts.
2. To know basic Business Administrations techniques related to risk evaluation, growing strategies, resources optimization, marketing tools.

**Course Outcome**

After successful completion of the course the learner will be able to:

1. Recognize the role of companies in national and world Economy and how they adapt to different economic situations
2. Distinguish different areas of expertise in the field of Business Administration: Direction, Marketing, Finances, Investments, etc.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Business Environment</b>	<b>15</b>
	a. Basic Economic Framework b. Business adaptation to Global Environment conditions c. Business and Economic environment d. Social Responsibility and Business ethics \\ e. Managing Globally	
<b>2</b>	<b>Planning and Organizing</b>	<b>15</b>
	a. Managers and decision making b. Leadership c. Planning and control d. Organization design e. Human resources and organizational behavior	
<b>3</b>	<b>Controlling</b>	<b>15</b>
	a. Financial and investment decisions b. Production and productivity c. Inventories d. Accounting and cost control e. Control and Planning instruments	

### Reference Books:

1. Modern Business Administration by Robert Appleby
2. Principles of Management and Administration by Bose D.C.
3. Principles and Practices of Management by Prasad L M

***Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester IV***

**5. Practical Training / Internship**

**Goals:**

7. To enable students to make a carefully guided transition into the world of work.
8. To create an interface between learning and practice.
9. To provide students with an environment that facilitates knowledge building and enhancing skills/competencies.
10. To provide opportunities for experiential learning in varied areas of their disciplines and enhance their professional growth
11. To enable students to identify their own strengths and skills needing improvement and upgrade them in line with their career goals.
12. To enable students to strengthen their commitment towards becoming responsible, well trained, ethical professionals

**Objectives:**

Internship is introduced with a cohesive plan of action to realise the following learning outcomes: After going through the Internship the student will be able to :

- Facilitate cross- disciplinary learning and development of new skills.
- Integrate knowledge obtained through in-class teaching with a hands-on approach and become familiar with Professional Practices and the world of work
- Pursue responsible roles in an organization
- Develop a road map for future career

**Duration:**

Each student shall undergo an Internship of four weeks approx. in relevant industry or any other business. The objective of this training is to make the students acquainted with the industrial / business working environment.

**Report:**

After completion of the training they will have to submit a training report.

**Marks & Evaluation:**

The internship/project reports will carry 100 marks. It will be evaluated by the examiner. It is to be submitted on or before the date fixed by the Institute.

The students will also have to submit a performance certificate from the company where he/she undertook the training/internship. This report will also be considered while evaluating the training report by examiners.

Alternatively, if it is not possible to do an industrial internship the students will prepare a project report on a topic assigned to him/ her by the Institute.

This allows students to undertake experiential learning by working with organisations/ in the industry to critically examine a major aspect of their operation.

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester IV**

**6. Advanced Computer Aided Design**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Introduction to 3D Modelling	15
Module 2	CAD customization for Project	15
Module 3	Basics tools - I (for 3D Max)	15
Module 4	Basic tools - II (for Revit) & Plotting Techniques	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To understand various 3D modelling software and rendering.
2. To understand the basics of Revit & Plotting Techniques.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Comprehend tools and systems for 3d modelling in CAD
2. Demonstrate the concepts of CAD drafting methods and techniques in 2D and 3D through various architectural projects of progressive complexity



## Detailed Syllabus

<b>Module</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>1</b>	<b>Introduction to 3D Modelling</b>	<b>15</b>
	Learning Advanced Sketchup and commands available for 3D modelling.	
<b>2</b>	<b>CAD customization for Project</b>	<b>15</b>
	Learning Advanced Sketchup (for Rendering purposes) available for 3D modelling	
<b>3</b>	<b>Basics tools - I (for 3D Max)</b>	<b>15</b>
	Learning Basic 3D Max for 3D modelling	
<b>4</b>	<b>Basic tools – II</b>	<b>15</b>
	Learning Basics for Revit and learning about plotting Techniques	

### Reference Books

1. Jin Feng - Basic CAD for Interior Designers
2. Dean Muccio - AutoCAD 2018 for the Interior Designer

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester IV**

**7. Environmental Studies**

**Modules at a Glance**

<b>Sr No</b>	<b>Module</b>	<b>No of Lectures</b>
Module 1	Components of Environment	6
Module 2	Energy , Resource Conservation and Pollution	6
Module 3	Climate Change and health management	6
Module 4	Environmental Management	6
Module 5	Practical Experiences	6
	<b>Total</b>	<b>30</b>

**Course Objective**

1. To create awareness among the students about the environment with respect to its processes, damages and effects of human intervention. It also aims at explaining the ways in which the environment can be managed so that it can be saved from the wrath of human beings.

**Course Outcome**

After successful completion of the course the learner will be able to:

1. Undertaking practical work like making an environmental diary, visits to sanctuaries and tree counting. This will enable the students to learn the environmental conditions in reality and the ways to manage them.
2. Realize the problems around them and their contribution towards increasing or decreasing them. The subject will therefore make the students environmentally conscious.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Components of Environment</b>	<b>6</b>
	<ul style="list-style-type: none"> <li>● Definition, nature and scope of environmental science</li> <li>● Components of environment: atmosphere, biosphere, lithosphere, hydrosphere</li> <li>● Man-environment relationship and concept of carrying capacity</li> </ul> <p>Biogeochemical cycle: carbon, nitrogen, phosphorus, water, energy flow</p>	
<b>2</b>	<b>Energy , Resource Conservation and Pollution</b>	<b>6</b>
	<ul style="list-style-type: none"> <li>● Energy: Definition, sources - Renewable and non-renewable, Sun as a source of energy</li> <li>● Energy use patterns and future needs, Energy conservation policies</li> <li>● Resources: Definition and types, conservation of resources with examples</li> </ul> <p>Pollution- definition, types, effects and management, plastic pollution</p>	
<b>3</b>	<b>Climate Change and health management</b>	<b>6</b>
	<ul style="list-style-type: none"> <li>● Climate Change: Meaning, impacts, examples</li> <li>● Associated health risks and solutions, examples</li> <li>● Climate Change and ecological imbalance, effects</li> </ul> <p>Policies related to climate change, health management in India.</p>	
<b>4</b>	<b>Environmental Management</b>	<b>6</b>
	<ul style="list-style-type: none"> <li>● Concept of sustainable development and it's application</li> <li>● Meaning and process of Environmental impact assessment</li> <li>● ISO: standards related to environmental management: ISO 14000 and ISO 14001</li> </ul> <p>Waste management- Meaning, problems and case studies of Indian metro cities: Mumbai, Pune, Bangalore, Delhi, Chennai</p>	
<b>5</b>	<b>Practical Exercises</b>	<b>6</b>
	<ul style="list-style-type: none"> <li>● Project work</li> <li>● Environmental Diary: Based on observation</li> </ul> <p>Field survey report: Visits to NGOs, Sanctuaries/National Parks, ecotourism</p>	

## **Reference Books**

1. Singh, Y.K. (2006): Environmental Science, New Age International, New Delhi.
2. Kumar, A. (2008): A Textbook of Environmental Science, APH Publishing Corporation, New Delhi.
3. Chauhan, B. S. (2008): University Science Press, New Delhi.
4. Folio, W. (2016): Climate change and health: Improving resilience and reducing risks, Springer, Portugal.
5. Levy, B. (2015): Climate change and public health, Oxford University Press, London.
6. Mareddy, A. (2017): Environmental impact assessment: Theory and practice, BS Publications, United States.

**Syllabus and Question Paper Pattern  
of Courses of  
Bachelor of Interior Design  
Programme  
Third Year  
*Semester V and VI*  
Under Choice Based Credit, Grading and  
Semester System**

***Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester V***

**1. Interior Design of Restaurant**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Restaurant Pre-Study	9
Module 2	Restaurant Case-Study	9
Module 3	Restaurant designing Pre-finals	15
Module 4	Restaurant design detailing & working drawing	27
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To understand planning & designing for hospitality spaces in terms of functionality & aesthetics.
2. To understand services in toilets & kitchen planning involved in hospitality design.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Demonstrate understanding of space usage, traffic, services, functionality, concept/theme for hospitality projects.
2. Apply material knowledge, constructional techniques, advance services required for hospitality design.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Restaurant Pre-Study</b>	<b>9</b>
	Understand different types of restaurants such as fast food, fine dine & theme restaurants etc	
<b>2</b>	<b>Restaurant Case-Study</b>	<b>9</b>
	Understanding theme based fine-dine restaurant, pubs through live and bookcase studies	
<b>3</b>	<b>Restaurant designing Pre-finals</b>	<b>15</b>
	Working and presenting pre-final drawings showing area allocation and specification, circulation and other adjacencies; drawing representing concepts & themes; drawings showing sectional elevations and details.	
<b>4</b>	<b>Restaurant design detailing &amp; working drawing</b>	<b>27</b>
	Final drawings showing concept, all floor plans, sectional elevations, details service core details & working drawings.	

### Reference Books

1. Eugeni Pons - The Commercial Interior Book
2. Jons Messedat (2015)- Retail Architecture S-XXL: Development, Design, Projects
3. Christine M. Piotrowski, Elizabeth A. Rogers (1999)- Designing Commercial Interiors
4. Mark.W. Lin, (1993) Drawing and Designing with Confidence: A step-by-step guide, Wiley and Sons.
5. Mark Pimlott- The Public Interior as Idea and Project
6. Jeanne Tan, Angel Trinidad, Lauren Teague- Hospitality Design
7. Lawrence Adams, Walter A. Rutes, Richard H. Penner- Hotel Design, Planning and Development

***Syllabus of Courses of  
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at Semester V***

**2. Methods & Techniques of Mill Works**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Advance Professional Standards	15
Module 2	Furniture details for various types of beds	15
Module 3	Furniture details for various cabinetry systems	15
Module 4	Furniture details for various type of seating	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To understand in detail various types of loose & integrated built furniture.
2. To evaluate different materials and understand constructional details for various types of loose & integrated furniture.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Design furniture for different usage on principles of ergonomics.
2. Understand and recommend materials evaluating its suitability to various types of furniture.



## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Advance Professional Standards</b>	<b>15</b>
	Understand and apply human factors data such as ergonomics, anthropometrics, and proxemics to furniture design.	
<b>2</b>	<b>Furniture details for various types of beds</b>	<b>15</b>
	Understanding constructional details, materials for fabrication of furniture – Bed	
<b>3</b>	<b>Furniture details for various cabinetry systems</b>	<b>15</b>
	Understanding constructional details and materials required for fabrication of different type of cabinetry	
<b>4</b>	<b>Furniture details for various type of seating</b>	<b>15</b>
	Understanding different types of seating's and understanding materials, working out ergonomics required for seating furniture	

### Reference Books

1. Sharvari Gijare - Construction Technique for Interior Design
2. McKay, W. B. (2005). Building Construction Metric Vol., I-IV. 4th Ed. Mumbai: Orient Longman.
3. Phillis Sleen Allen, Beginning of Interior Environment, New York
4. Shirish Bapat, Basic Design of Anthropometry, Bela books Publishers
5. Ahmed Kasu, Interior Design, TWAIN Pub. Bombay

***Syllabus of Courses of  
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at Semester V***

**3. Fundamentals of Tender Documents**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Introduction	12
Module 2	Work quantification	12
Module 3	Bill of Quantity	18
Module 4	Application of BOQ to Design Project	18
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To understand the concept of estimation and costing for interiors.
2. To analyse various components based on specification.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Comprehend and understand the various processes of estimating, valuation, and tendering.
2. Execute and implement the appropriate methods for preparing the estimates and valuation reports.

## Detailed Syllabus

<b>Module</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>1</b>	<b>Introduction</b>	<b>12</b>
	Introduction to costing & its application and benefits. Learning detailed specification of materials used in design.	
<b>2</b>	<b>Work quantification</b>	<b>12</b>
	Learning basic quantification of all work.	
<b>3</b>	<b>Bill of Quantity</b>	<b>18</b>
	Learning method of preparing BOQ i.e. Bill of Quantity required in tendering in Construction where materials, parts & labour costs are itemized.	
<b>4</b>	<b>Application of BOQ to Design Project</b>	<b>18</b>
	Application of BOQ i.e. Bill of Quantity in project and its submission	

### Reference Books

1. B.S. Patil, "Civil Engineering Contracts and Estimates", Orient Longman Publishers, 2015, ISBN:978 8 1737 155 94
2. Dutta, B.N., "Estimating and Costing in Civil Engineering", UBS Publishers Distributors Pvt.Ltd., New Delhi, 2014

***Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester V***

**4. Introduction to Building Management System**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Electrical layout	12
Module 2	Fire detection & firefighting systems	12
Module 3	CCTV, PA system	18
Module 4	Building Automation Systems (BAS)	18
	<b>Total</b>	<b>60</b>

**Course Objective**

1. To learn about electrical & fire-fighting services for residential & commercial use.
2. To learn about building Automation services for residential & commercial use.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Design & recommend electrical, firefighting, illumination and vertical transportation system in buildings.
2. Apply building automation for energy reduction in buildings.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Electrical layout</b>	<b>12</b>
	Learning detailed Electrical layout with load calculation for residential & commercial project.	
<b>2</b>	<b>Fire detection &amp; fire-fighting systems</b>	<b>12</b>
	Learning basic fire detection & firefighting systems for residential & commercial projects and calculating water required for firefighting.	
<b>3</b>	<b>CCTV, PA system</b>	<b>18</b>
	Learning CCTV (Closed Circuit Television), public address system (PA system)	
<b>4</b>	<b>Building Automation Systems (BAS)</b>	<b>18</b>
	Learning in detail about building automation systems (BAS) to monitor the building's mechanical and electrical equipment such as ventilation, lighting, power systems, fire systems, and security systems.	

### Reference Books

1. A.K. Mittal- Electrical and Mechanical Services in High Rise Building: Design and Estimation Manual:Including Green Buildings
2. Fred Hall, Roger Greeno - Building Services Handbook
3. Er. V.K. Jain - Handbook of Designing and Installation of Services in High Rise Building Complexes
4. F. Porges - The design of electrical services for buildings

**Syllabus of Courses of  
B.Sc. (Hons.) in Interior Design (B-ID)  
at Semester V**

**4. Sustainable Development**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Introduction	12
Module 2	Sustainable Development Strategy	12
Module 3	Environmental Management Systems	12
Module 4	Sustainable Future	12
Module 5	Corporate Sustainability Reporting Frameworks	12
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To create a sense of ownership of issues related to CSR, Environment and sustainability of businesses.
2. To teach how to critically analyze, evaluate and judge competing perspectives on the challenge of creating a sustainable future.
3. To understand the Sustainable development challenge for companies, their responsibility and their potentials for action.

**Course Outcomes**

1. Ability to create sustainable organizations.

### Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Introduction</b>	<b>12</b>
	Meaning and Scope, Corporate Social Responsibility, Sustainability, Sustainability Terminologies and Meanings, why is Sustainability an Imperative, Sustainability Case Studies, Triple Bottom Line (TBL)	
<b>2</b>	<b>Sustainable Development Strategy</b>	<b>12</b>
	Reasons to adopt sustainable strategy by firms, tools used by the firm to implement their sustainable development strategies, evaluation of firm's commitment to sustainable strategies by the stakeholders.	
<b>3</b>	<b>Environmental Management Systems</b>	<b>12</b>
	Using Standards, Certification and other Systems to further SD goals Introduction, Global management systems exist to guide firms in establishing and implementing a strategy, how do these various approaches, including certification, encourage sustainable business practices.	
<b>4</b>	<b>Sustainable Future</b>	<b>12</b>
	Establishing priorities for sustainable future, Role of women in sustainability, Challenge of creating a green economy, Sustainability crisis in 21st century, failures of global capitalism, transforming global capitalism, creating a restorative economy.	
<b>5</b>	<b>Corporate Sustainability Reporting Frameworks</b>	<b>12</b>
	Global Reporting Initiative Guidelines, National Voluntary Guidelines on Social, Environmental and Economic Responsibilities of, Business, International Standards, Sustainability Indices, Principles of Responsible Investment, Challenges in Mainstreaming Sustainability Reporting, Sustainability Reporting Case Studies	

#### Reference Books:

1. Andrew Crane & Dirk Matten (2010). Business ethics, Oxford.
2. Balachandran V, & Chandrashekharan V, (2011). Corporate Governance, Ethics and social responsibility, PHI.
3. Concepts of Environmental Management for Sustainable Development

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**5. Project Management**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Understanding of Project Management	15
Module 2	Selection of Project Teams	15
Module 3	Project Schedules	15
Module 4	Project Budgets	15
	<b>Total</b>	<b>60</b>

**Course Objective**

1. To help students meaning of Project Management & it's important in Design process.
2. To help students understand basic scheduling & budgeting.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Understand importance of Project Management in Interior design.
2. Collaborate with Project Management professionals in design service.



## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Understanding of Project Management</b>	<b>15</b>
	Understanding start, end & goals of Project Management	
<b>2</b>	<b>Selection of Project Teams</b>	<b>15</b>
	Knowing about different individuals/teams involved in projects to achieve its objectives.	
<b>3</b>	<b>Project Schedule</b>	<b>15</b>
	Understanding of jobs to be done; what resources to be utilised, timelines & milestones of project; Delivery Schedule	
<b>4</b>	<b>Project Budgets</b>	<b>15</b>
	Estimation methods to work cost of Project	

### References:

1. Bert Bielefeld- Basics Project Management Architecture
2. Jay S. Newitt- Construction Scheduling: Principles and Practices
3. Duncan P. Cartlidge - Construction Project Manager's Pocket Book
4. D. Barbara J. Jackson (2004) - Construction Management JumpStart: The Best First Step
5. Toward a Career in Construction Management

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**5. Global Leadership & Culture**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Introduction	12
Module 2	Global leaders and intercultural communication	12
Module 3	Global leaders learning in response to change	12
Module 4	Women leaders in global business	12
Module 5	Leadership Skills to make globalization work	12
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To understand the complications involved in leadership across cultures.

**Course Outcome**

After successful completion of the course the learner will be able to:

1. Appreciate the need to lead people differently in different cultures.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Introduction</b>	<b>12</b>
	Culture, systems approach to culture, key cultural terminology, cultural understanding and sensitivity, global transformation.	
<b>2</b>	<b>Global leaders and intercultural communication</b>	<b>12</b>
	Introduction, intercultural communication process, models, non verbal communication, guidelines.	
<b>3</b>	<b>Global leaders learning in response to change</b>	<b>12</b>
	Introduction, aspects of organizational learning, management mindsets and learning, individual learning	
<b>4</b>	<b>Women leaders in global business</b>	<b>12</b>
	Current status of women global leaders, cultural stereotypes, balancing work and family, glass ceiling, company initiatives to break glass ceiling, women and overseas assignments	
<b>5</b>	<b>Leadership skills to make globalization work</b>	<b>12</b>
	Lessons from CEOs, description of competencies, framework.	

### Reference Books:

1. Sethi & Rajiv, Tips for effective leadership, Beacon books
2. Marshal & Tom, Understanding leadership, Sovereign World Ltd
3. Abramson N R & Moran R T (2016) Managing cultural differences-Global leadership for 21st century: Routledge

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**6. Interior Design Dissertation**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Thesis Proposal	12
Module 2	Hypothesis & Statement of Purpose	12
Module 3	Literature Review & Case-Studies	18
Module 4	Design Component & Conclusion	18
	<b>Total</b>	<b>60</b>

**Course Objective:**

1. To research a gap or need in the interior design sector, work out a proposal and expected outcome for research.
2. To adopt investigative research through data & case studies.
3. To provide an individualistic approach and present a logical design solution after thorough analysis of collected data.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Conduct independent empirical research & evaluate their results responsibly, critically & objectively.
2. Communicate data and conclusions from research understandably using adequate indicators, tables & graphs.

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Thesis Proposal</b>	<b>12</b>
	Choosing topic, outlining description of proposed work, need of the interior design industry & expected outcome	
<b>2</b>	<b>Hypothesis, Research &amp; Analysis</b>	<b>12</b>
	Statement of the proposal, objectives & strategies to be adopted, scope & limitations.	
<b>3</b>	<b>Literature Review &amp; Case-Studies</b>	<b>18</b>
	Data Analysis, presentation of data, tables, graphs, case-studies	
<b>4</b>	<b>Design Component &amp; Conclusion</b>	<b>18</b>
	Interpretation of Data, Site selection & criteria, SWOT Analysis, concept building & creative component.	

### Reference Books

1. John W. Creswell and J. David Creswell, Research Design: Qualitative, Quantitative & Mixed Methods.
2. Sharan B. Merriam, Qualitative Research: A Guide to Design & Implementation.
3. Lily B. Robinson, Research Based Programming for Interior Design.
4. Rose Mary Botti-Salitsky, Programming & Research: Skills & Techniques for Interior Designers.
5. Robinson, Lily B., Parman, Alexandra T., Research - Inspired Design: A Step-by-Step Guide for Interior Designers. (2009)

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**7. Introduction to Rendering Software**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Basic Photoshop	12
Module 2	Basic Corel Draw	12
Module 3	PowerPoint Presentation	18
Module 4	Presentation	18
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To gain an understanding of various presentation skills.
2. To utilise the learnt skills to render & present projects.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Present the 3D views in good quality resolution and design using Photoshop
2. Create precise power point presentation of the study and conclusions and gain the ability to criticize and analyse and reach conclusion

## Detailed Syllabus

<b>Module</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>1</b>	<b>Basic Photoshop</b>	<b>12</b>
	Learning basic Photoshop for enhancing presentation skills.	
<b>2</b>	<b>Basic Corel Draw</b>	<b>12</b>
	Learning basic Corel Draw for enhancing presentation skills.	
<b>3</b>	<b>PowerPoint presentation</b>	<b>18</b>
	Learning detailed PowerPoint presentation	
<b>4</b>	<b>Presentation</b>	<b>18</b>
	Submission and presentation.	

### Reference Books

1. Jin Feng - Basic CAD for Interior Designers
2. Dean Muccio - AutoCAD 2018 for the Interior Designer
3. Suining Ding - Photoshop ® for Interior Designers: A Nonverbal Communication

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**8. Sanskrit/Allied/Other Course**

- Selected portion from Taittiriyanishad
- An extract from drama Pratima by Bhasa
- A story from Panchtantram
- An extract from Mricchakatikam by Shudraka
- A dialogue based on Meghadutam
- An extract from drama Malavikagnimitram
- Spy system in KautilyaArthashastra ( 5 types of stationary spies)

OR

**Effective Presentation Skills**

Module 1-Fundamentals of Effective Presentations

Module 2- Preparing the Contents

Module 3- Speaking Skills

Module 4- Essentials for Dynamic Presentations and Speeches



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**1. Professional Practice**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Professional Responsibilities	20
Module 2	Proposals & Contracts	20
Module 3	Licensing & Registration	20
Module 4	Social & Ethical Conduct	30
	<b>Total</b>	<b>90</b>

**Course Objective**

1. To help students translate into practice, the concepts and principles taught in the classroom.
2. To make student aware of professional practice norms.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Use a variety of problem-solving tasks involving individuals, groups and communities, the technique essential to professional practice.
2. Use purposeful professional relationships with disciplined self-awareness and control a genuine concern for people.

## Detailed Syllabus

Module	Topics	No. of Lectures
1	<b>Professional Responsibilities</b>	20
	Introduce to students' professional responsibilities of interior designers from initiation, development & coordination	
2	<b>Proposals &amp; Contracts</b>	20
	Difference between Proposals & contracts; Framing of Proposals & Contract	
3	<b>Licensing &amp; Registration</b>	20
	Licenses, registrations & affiliations required for practice	
4	<b>Social &amp; Ethical Conduct</b>	30
	Social, Ethical & Moral responsibilities of professionals	

### Reference Books

1. Roshan Namavati, Professional Practice (Estimation & Valuation), Lakhani Book depot
2. Roshan Namavati, Architectural Detailing in Residential Interiors, Lakhani Book depot
3. C M Pitrowski, Professional Practice in Interior Design, Van Nostrand Reinhold
4. Harry Siegel, CPA, Alan Sigel, A Guide to Business Principle and Practices for Interior Designers, Whitney library of design.
5. William R. Hall, Contract Interior Finishes, Whitney library.
6. William Rupp, Construction Materials of Interior Design, Whitney Library

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**2. Product Designing**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	History of Art & Visual culture	15
Module 2	Printmaking Technique	15
Module 3	Digital Illustration Technique & 3D Modelling	15
Module 4	Materials & manufacturing processes	15
	<b>Total</b>	<b>60</b>

**Course Objective**

1. To understand product design process
2. To create a product/service that someone can relate to which is functional and physically appealing.

**Course Outcome**

After successful completion of the course the student will be able to:

1. Understand Product designing process & detailing involved
2. Explore materials, their specifications & applications to designed products

## Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>History of Art &amp; Visual culture</b>	<b>15</b>
	Introduction to the history of Art & Visual culture.	
<b>2</b>	<b>Printmaking Technique</b>	<b>15</b>
	Introduction to the principle of transferring images from a matrix onto surfaces such as paper or fabric, woodcut, etching, engraving, and lithography,	
<b>3</b>	<b>Digital Illustration Technique &amp; 3 D Modelling</b>	<b>15</b>
	Illustration, Sketching & Modelling of conceptual ideas or product	
<b>4</b>	<b>Materials &amp; manufacturing processes</b>	<b>15</b>
	Material Exploration & creating prototype	

### References:

1. Artiom Dashinsky- Solving Product Design Exercises
2. Ed Catmull- Creativity, Inc
3. Daniel Kahnemn- Thinking, Fast and Slow
4. Karl Ulrich, Steven Eppinger- Product Design and Development
5. C. Jane Penty - Product Design and Sustainability Strategies, Tools and Practice
6. Tiago Franco, Beatriz Costa - Product Design Process

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**2. Entrepreneurship**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of Lectures</b>
Module 1	Being an Entrepreneur	10
Module 2	Customer Discovery	10
Module 3	The Financial Road Map	10
Module 4	Entrepreneurial Leadership	15
Module 5	Business Plan	15
	<b>Total</b>	<b>60</b>

**Course Objectives**

1. To understand the framework of starting up new ventures and developing business plans.

**Course Outcome**

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

1. Describe the strategic decisions involved in establishing a startup.
2. Explain the decision making matrix of entrepreneurs in establishing a startup.
3. Identify the issues in developing a team to establish and grow a startup
4. Formulate a go to market strategy for a startup.
5. Design a workable funding model for a proposed startup.
6. Develop a convincing business plan description to communicate the value of the new venture to customers, investors and other stakeholders.

### Detailed Syllabus

Module	Topics	No. of Lectures
<b>1</b>	<b>Being and Entrepreneur</b>	<b>10</b>
	The entrepreneur, Profile analysis, behaviour and motivations, Lean Start –up, The entrepreneurial ecosystem, Entrepreneurs and strategic decisions , Sustainability of Entrepreneurship: Dilemmas of an entrepreneur for success; Handling doubts on survival of business, Struggles-Causes of failure–Product/ market, financing, managerial-Resilience. Legal Fundamentals - When, how and where to incorporate.	
<b>2</b>	<b>Customer Discovery</b>	<b>10</b>
	Entrepreneurial Opportunity Search and Identification; Market Intelligence, Market analysis, Market research, Customer validation, developing your business model, Crafting your value proposition, Product Development , Managing the product development process, Long Tail markets, Product launch goals, Go-toMarket Strategy, The role of selling in a startup, Sales forecasting for startups, Mapping buyer response modes. Social media Promotion tools.	
<b>3</b>	<b>The Financial Road Map</b>	<b>10</b>
	Planning/Budgeting, Developing a financial roadmap, financial statements: the four components, How to budget for startup success, Bootstrapping and alternative sources of funding, Informal capital– Friends & Family, Role of Government in ED, various schemes - PMEGP, CGTMSE, MPDA, SFURTI. Role of MSDE; Schemes by MSDE: PMKVY, SANKALP, STAR. Crowdfunding, Venture capital, Private Equity, Financing Mix and the Financing continuum shareholding- Cliff -Vesting schedule-Relative importance of Operational Involvement, The Pitch, Preparing for your investor presentation, Elements of the perfect investment pitch.	
<b>4</b>	<b>Entrepreneurial Leadership</b>	<b>15</b>
	Building and managing the founder team, Attracting and retaining the right people, The Team - Board/Governance, The role of a successful board, Different board models for different ventures, How to assemble a board of advisors, separating leadership from management, Legal Matters- Organizational form– partnership, sole proprietorship, Tax, Legal expenses, hiring the service providers. Employee management and leadership in the workforce, Recruiting, selection and hiring, Hiring the first employee.	
<b>5</b>	<b>Business Plan</b>	<b>15</b>
	Need & Objectives, Target audience, Contents - Cover page and table of contents, Executive summary, Description of the current situation: Basic company information, products/services, management team, business organization, future goals, vision, and mission, Description of opportunity and market: Who are the buyers, who are the competitors, what are the competitive advantages of the company? Description of the business model, the marketing and sales strategy, Basic facts on the financials: Cash flow projection (life line), income statement (bottom line/profit and loss), balance	

sheet (business health/assets, liabilities, etc.), funding requirements, Risk analysis and possible exit strategies. Conclusion and appendixes: Résumés, literature, technical descriptions. Executive summary. Elevator pitch, Building a strong presentation, innovative methods of presenting a business plan –mind map, animated videos, etc
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**Reference Books:**

1. Fundamentals of Entrepreneurship, Nandan H, PHI
2. Cases in Entrepreneurship by Morse and Mitchell, Sage South Asia Edition.
3. Entrepreneurship – Indian Cases on Change Agents by K Ramchandran, TMGH.

## ***Syllabus of Courses of B.Sc. (Hons.) in Interior Design (B-ID) at Semester VI***

### **2. Practical Training/Internship**

#### **Goals:**

1. To enable students to make a carefully guided transition into the world of work.
2. To create an interface between learning and practice.
3. To provide students with an environment that facilitates knowledge building and enhancing skills/competencies.
4. To provide opportunities for experiential learning in varied areas of their disciplines and enhance their professional growth
5. To enable students to identify their own strengths and skills needing improvement and upgrade them in line with their career goals.
6. To enable students to strengthen their commitment towards becoming responsible, well trained, ethical professionals

#### **Objectives:**

Internship is introduced with a cohesive plan of action to realise the following learning outcomes: After going through the Internship the student will be able to :

- Facilitate cross- disciplinary learning and development of new skills.
- Integrate knowledge obtained through in-class teaching with a hands-on approach and become familiar with Professional Practices and the world of work
- Pursue responsible roles in an organization
- Develop a road map for future career

#### **Duration:**

Each student shall undergo an Internship of four weeks approx. in relevant industry or any other business. The objective of this training is to make the students acquainted with the industrial / business working environment.

#### **Report:**

After completion of the training they will have to submit a training report.

#### **Marks & Evaluation:**

The internship/project reports will carry 100 marks. It will be evaluated by the examiner. It is to be submitted on or before the date fixed by the Institute.

The students will also have to submit a performance certificate from the company where he/she undertook the training/internship. This report will also be considered while evaluating the training report by examiners.

Alternatively, if it is not possible to do an industrial internship the students will prepare a project report on a topic assigned to him/ her by the Institute.

This allows students to undertake experiential learning by working with organisations/ in the industry to critically examine a major aspect of their operation.



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**3. Dissertation**

The main intention of thesis is to create an authentic work of research on a definitely specified topic. In the thesis the student exhibits his skill and ability to carry out research in your desired discipline, and produce the results via an original piece of content that will provide value for the academic and scientific community

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**5.Human Rights and Indian Constitution**

**Modules at a Glance**

<b>Sr. No.</b>	<b>Modules</b>	<b>No. of lectures</b>
Module 1	Indian Constitutional Philosophy and Union and State Executive, Legislature and Judiciary	15
Module 2	Concept and Development of Human Rights and Human Rights in India	15
	<b>Total</b>	<b>30</b>

**Course Objectives**

1. To understand the concepts and fundamentals of Human Rights in India.

**Course Outcome**

1. Know more about fundamental rights and duties.
2. Learn more about human rights

**Detailed Syllabus**

<b>Module</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>1</b>	<b>Indian Constitutional Philosophy and Union and State Executive, Legislature and Judiciary</b>	<b>15</b>
	<ul style="list-style-type: none"> <li>● Feature of the Constitution and Preamble</li> <li>● Fundamental Rights and Fundamental Duties</li> <li>● Directive Principles of State Policy</li> <li>● Union Parliament and State Legislature: Power and Functions</li> <li>● President, Prime Minister, and Council of Ministers</li> <li>● State Governor, Chief Minister and Council of Ministers</li> <li>● The Supreme Court and High Court: Power and Functions</li> </ul>	
<b>2</b>	<b>Concept and Development of Human Rights and Human Rights in India</b>	<b>15</b>

	<ul style="list-style-type: none"> <li>● Meaning Scope and Development of Human Rights</li> <li>● United Nations and Human Rights- UNHCR</li> <li>● UDHR 1948, ICCPR 1996 and ICESCR 1966</li> <li>● Protection of Human Rights Act, 1993 (NHRC and SHRC)</li> <li>● First, Second and Third Generation of Human Rights</li> <li>● Judicial Activism and Human Rights</li> </ul>	
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### Reference Books:

1. Durga Das Basu, Introduction to the Constitution of India, Prentice—Hall of India Pvt. Ltd, New Delhi
2. Subash Kashyap, Indian Constitution, National Book Trust
3. J.A. Siwach, Dynamics of Indian Government and Politics
4. D.C. Gupta, Indian Government and Politics
5. H.M. Sreevai, Constitutional Law of India, 4<sup>th</sup> edition and 3 volumes (Universal Law Publication)
6. V.N. Shukla, Constitution of India (Eastern Books Co)
7. J.C. Johari, Indian Government and Politics
8. Hans. J. Raj, Indian Government and Politics
9. M.V. Pylee, Indian Constitution
10. Durga Das Basu, Human Rights in Constitutional Law, Prentice—Hall of India Pvt. Ltd, New Delhi
11. Noorani, A.G. (South Asia Human Rights Documentation Centre), Challenges to Civil Right, Challenges to Civil Right Guarantees in India, Oxford University Press 2012
12. S.K. Kapoor, Human Rights