



**NAGINDAS KHANDWALA COLLEGE
OF COMMERCE, ARTS &
MANAGEMENT STUDIES (AUTONOMOUS)**

Re-accredited by NAAC with 'A' Grade (3rd Cycle)

ISO 9001:2015 Certified

Bhavishya Bharat Campus, S. V. Road, Malad (West)

Mumbai-400 064

Programme Code: UHPBID

B. Sc. (Hons.) in Interior Design

Three Year Integrated Programme -

Six Semesters

Course Structure

Under Choice Based Credit, Grading and Semester System

Implemented during Academic Year 2022-23

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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 comprises 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

1.1 About Khandwala College

Khandwala College is a multi-faculty institution (Estd. 1983), affiliated to University of Mumbai. It offers 22 UG, 14 PG and 4 Ph.D. programmes and impart education to more than 6500 students. The Vision of the institute includes Education for all, Education for the youth and Education for the future of our country.

The mission is to serve the society at large and students belonging to linguistic minorities in particular with commitment, dedication and devotion. The Quality Policy includes commitment towards imparting Quality Education to youth, enabling them to develop the right attitude, professional competence and inculcating right ethical values.

The institution has been awarded “A” Grade (Third Cycle) by National Assessment and Accreditation Council, Best College by University of Mumbai (2012), lead college for a cluster of colleges, Educational Excellence Award by Indus Foundation, USA and Best Ensemble Faculty (Academic Brilliance Awards – 2013) by Education Expo TV’s Research Wing for Excellence in Professional Education & Industry and ISO 9001:2015 certified by TUV Nord. We have been awarded IMC Ramkrishna Bajaj National Quality Commendation Certificate in 2013-14. Our college has been awarded Autonomous status from 2016. Khandwala College, as an Autonomous College, is offering a new B.Sc.(Hons.) in Interior Design Programme as a Three-Year Integrated Programme – with Six Semesters Course Structure -Under Choice Based Credit, Grading and Semester System.

1.2 Vision and Mission of Khandwala College

Vision

Education for all.

Education for the youth.

Education for the future of our country.

Mission

The college’s focus is on the future of our students irrespective of their gender and place in society. Every student is like a flame reaching out to the brightness of the sun i.e. the bright future of India.

2. Programme Objectives & Outcomes

2.1 Programme Objectives

- 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.
- 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
- To introduce students to interior design business practices, market resources, and project management techniques used in the interior design profession
- 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:

PO-1: Demonstrate comprehensive knowledge of fundamentals and history of design, construction, graphics & sketching, drawing, designing spaces for residential, hospitality, corporate and variety of spaces.

PO-2: Exhibit skills to sketch and produce construction drawings and documents using industry standards for a variety of interior spaces.

PO-3: Equipped to communicate ideas effectively through appropriate oral, written and representational media using drawings, design software like AutoCAD, Photoshop etc and presentations.

PO-4: Demonstrate ethical awareness, research-related skills and professionalism.

PO-5: Incorporate a global perspective when making design decisions, based on sustainable, socio-economic and cultural contexts.

PO-6: Apply entrepreneurial skill, innovation and enterprise to positioning their own work and operating effectively within the context of the professional practice of Interior Design

3. Eligibility, Selection and Admission Criterion

Candidates for being eligible for admission to the three-year course leading to the Degree of B.Sc. (Honours) in Interior Design, shall be required to have passed the Higher Secondary School Certificate Examination (10+2) or an equivalent qualification in any stream from any recognized 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 qualification from any Board/ University. Lateral Entry shall be 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. Reservations as per University rules will be applicable.

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 Khandwala 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 of Khandwala college.

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 in Khandwala College affiliated to the University for a period of not less than three academic years, passed the examinations of all the Six Semesters earning 160 credits and 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 programme is awarded under the faculty of Science.

3.5 Intake & Fees

Intake of 120 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 per semester- Rs 1,22,500/-. 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

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. 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 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 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	56
3	Year 3	52
	Total Credits from Academics	160

4.1 Credit Based Evaluation System Scheme of Examination

1. Theory-based courses

List of Theory-based Subjects:

Semester-I
1. History of Design – Ancient civilization
Semester-II
1. History of Design – Trends & Movements
2. Communication Skills - I
Semester-III
1. Technical Services for Villa & Bungalow
2. Communications Skills - II
Semester-IV
1. Basics of Plumbing & HVAC System
2. Environmental Studies
3. Advance Computer Aided Design
Semester-V
1. Fundamentals of Tender Documents
2. Introduction to Building Management System
3. Electives – Basics of Project Management
Semester-VI
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 the assessment is to be based on class presentations wherever applicable)	20 marks

3	Attendance & Active participation in routine class instructional deliveries (and in practical work, tutorial, field work, cultural activities etc. as the case may be)	05 marks
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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.

2. Theory + Studio-based courses

List of Theory + Studio-based Subjects:

Semester-I
1. Basics of Graphics & Free Hand Sketching 2. Foundation of Construction & Building Materials
Semester-II
1. Advance Methods of Graphics & Free Hand Sketching 2. Advance Technology in Construction & Building Materials
Semester-III
1. Materials & Methods of Construction Enclosures
Semester-IV
1. Construction Material & Methods for Ceiling & Floor
Semester-V
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 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.

3. Studio-based courses

List of Studio-based Subjects:

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

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

Assessment tool	Assessment Parameters		
	Concept	Design Development	Presentation
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 learners shall obtain a minimum of 40% marks (i.e. 16 out of 40) in the Continuous Internal Evaluation (CIE) and 40% marks in Semester End Examination (i.e. 24 out of 60) separately, to pass the course and a minimum of Grade D 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

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 and 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 Event 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 managing an event. Students are trained to make a replica of an Event and present it live in the classroom. The exercise gives the student an opportunity to identify the finer nuances of event 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

6. Ad-hoc Board of Studies

Following Academicians, Faculty members & Experts have been consulted for the contents and development of the Syllabus for this course:

- Principal Dr. (Mrs.) Ancy Jose, Principal, Khandwala College
- CA Dr. Varsha Ainapure, M Com., FCA, Ph.D., Post-Doc (USA), Adjunct Professor, Khandwala College
- Mr. Vipul Solanki, MMS
- Ms. Sneha Asar, MBA
- Ar. Jatin Asher, B.Arch, PGDiploma in Construction Management (NICMAR), Accredited Professional IGBC, Visiting Faculty & Industry Representative
- Ar. Paras Mehta, B.Arch, Visiting Faculty & Industry Representative
- Ar. Tej Wagh, M.A (Art & Design, Iowa State University), B.Arch.

B. Sc (Hons.) in Interior Design
Three Year Integrated Programme -
Six Semesters

Basic Structure: Distribution of Courses

1	Core Course (CC)	17 Papers of 4 Credits Hrs. each (Total Credits Hrs. $17*4$) =68 3 Papers of 6 Credits Hrs. each (Total Credits Hrs. $3*6$)= 18	86
2	Discipline Specific Compulsory Course (DSC)	2 Paper of 4 Credits Hr. each (Total Credits Hr. $2*4$) = 8 3 Papers of 6 Credits Hrs. each (Total Credits Hrs. $3*6$)= 18 1 Papers of 2 Credits Hr. each (Total Credits Hr. $1*2$) = 2	28
2	Discipline Specific Elective (DSE)	2 Papers of 4 Credits Hr. each (Total Credits Hr. $2*4$)	8
3	Skill Enhancement Compulsory Course (SEC)	2 Paper of 3 Credits Hr. each (Total Credits Hr. $2*3$) = 6 3 Papers of 4 Credits Hrs. each (Total Credits Hrs. $3*4$)= 12 1 Papers of 2 Credits Hr. each (Total Credits Hr. $1*2$) = 2	20
4	Ability Enhancing Compulsory Course (AECC)	2 Papers of 2 Credits Hr. each (Total Credits Hr. $2*2$)	4
5	Ability Enhancing Course (AECC)	2 Papers of 2 Credits Hr. each (Total Credits Hr. $2*2$)	4
6	General Elective (GE)	5 Papers of 2 Credits Hr. each (Total Credits Hr. $5*2$)	10
	Total Credits Hrs		160

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Under Choice Based Credit, Grading and Semester System
Curriculum Framework
(To be Implemented from Academic year 2022-2023, since 2020-2021)

FIRST YEAR

Semester I

Sem	Course Code	Course	Category	Types	Credits	Internal	External	Total Marks
I	2011UHIDFDP	Fundamentals of Design - 2 Dimensional	CC	Studio	4	0	100	100
I	2012UHIDRIP	Residential Interior Design	CC	Studio	4	0	100	100
I	2013UHIDCB	Foundation of Construction & Building Material	CC	Theory+ Studio	4	40	60	100
I	2014UHIDHD	History of Design - Ancient Civilization	CC	Theory	4	40	60	100
I	2015UHIDBG	Basics of Graphics & Free Hand Sketching	SEC	Theory+ Studio	3	40	60	100
I	2016UHIDWK	Workshop - Model Making & Visual Study	SEC	Studio	3	0	100	100
I	2017UHIDFE	Functional English	AEC	Theory + Practical	2	40	60	100
I	2018UHIDSA 2018UHIDPD	<i>(Any one)*</i> Sanskrit Personality Development Skills	GE	Practical	2	40	60	100
			Total		26	200	600	800

Semester II

Sem	Course Code	Course	Category	Types	Credits	Internal	External	Total Marks
II	2021UHIDBDP	Basics of Design – 3 Dimensional	CC	Studio	6	0	100	100
II	2022UHIDVBP	Interior Design of Villa & Bungalow	CC	Studio	6	0	100	100
II	2023UHIDCB	Advance Technology in Construction & Building Materials	CC	Theory+ Studio	4	40	60	100
II	2024UHIDHD	History of Design - Trends & Movements	CC	Theory	4	40	60	100
II	2025UHIDGS	Advance Methods of Graphics & Free Hand Sketching	SEC	Theory+ Studio	4	40	60	100
II	2026UHIDES/ 2026UHIDL/	<i>(Any one)</i> Environmental Studies Lifestyle Pillars	GE	Practical	2	40	60	100
	2026UHIDTT/ 2026UHIDFS/ 2026UHIDSM	Introduction to Travel & Tourism Basics of Financial Services Overview of Sports Management						
			Total		26	160	440	600

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SECOND YEAR

Semester III

Sem	Course Code	Course	Category	Types	Credits	Internal	External	Total Marks
III	2131UHIDBT	Interior Design for Boutique	CC	Studio	4	0	100	100
III	2132UHIDCE	Materials & Methods of Construction for Enclosures	CC	Theory+ Studio	4	40	60	100
III	2133UHIDVBD	Technical Drawing for Villa & Bungalow	CC	Studio	4	0	100	100
III	2134UHIDVBS	Technical Services for Villa & Bungalow	DSC	Theory	4	40	60	100
III	2138UHIDPTI	Practical Training/Internship	DSC	Practical	4	40	60	100
III	2135UHIDCS	Communication Skills – I	AECC	Theory	2	40	60	100
III	2136UHIDCAD	Introduction to Computer Aided Design (CAD)	SEC	Studio	4	0	100	100
III	2137UHIDSA 2137UHIDSE	<i>(Any one)*</i> Sanskrit Selling Skills	GE	Theory + Practical	2	40	60	100
			Total		28	200	600	800

Semester IV

Sem	Course Code	Course	Category	Types	Credits	Internal	External	Total Marks
IV	2141UHIDCH	Interior Design for Club House	CC	Studio	4	0	100	100
IV	2142UHIDCF	Construction Material & Methods for Ceiling & Floor	CC	Theory+ Studio	4	40	60	100
IV	2143UHIDBTPR	Technical Drawing for Boutique	CC	Studio	4	0	100	100
IV	2144UHIDPH	Basics of Plumbing & HVAC System	CC	Theory	4	40	60	100
IV	2145UHIDPTI	Practical Training/Internship	DSC	Practical	6	40	60	100
IV	2146UHIDCAD	Advance Computer Aided Design	SEC	Theory	2	40	60	100
IV	2147UHIDYE 2147UHIDNL	<i>(Any one)*</i> Yoga & Ethics Nutrition & Lifestyle	GE	Theory + Practical	2	40	60	100
IV	2148UHIDCS	Communication Skills – II	AECC	Theory	2	40	60	100
			Total		28	240	560	800

B. Sc. (Hons.) in Interior Design Programme
Under Choice Based Credit, Grading and Semester System
Curriculum Framework
(To be Implemented from Academic year 2022-2023)

THIRD YEAR

Semester V

Sem	Course Code	Course	Category	Types	Credits	Internal	External	Total Marks
V	2251UHIDRTPR	Interior Design of Restaurant	CC	Studio	4	0	100	100
V	2252UHIDMW	Methods & Techniques of Mill Works	CC	Theory+ Studio	4	40	60	100
V	2253UHIDTD	Fundamentals of Tender Documents	CC	Theory	4	40	60	100
V	2254UHIDBM	Introduction to Building Management System	CC	Theory	4	40	60	100
V	2255UHIDNPR	Interior Design Dissertation	DSC	Studio	2	0	100	100
V	2256UHIDPMPR	Project Management	DSC	Theory + Practical	4	40	60	100
V	2257UHIDRS	Introduction to Rendering Software	SEC	Theory+ Studio	4	40	60	100
V	2258UHIDPMSA 2258UHIDPMPS	(Any one)* Sanskrit Effective Presentation Skills	GE	Theory + Practical	2	40	60	100
Total					28	240	560	800

Semester VI

Sem	Course Code	Course	Category	Types	Credits	Internal	External	Total Marks
VI	2261UHIDPP	Professional Practice	CC	Theory	6	40	60	100
VI	2262UHIDINPR	Internship	DSC	Practical	6	0	100	100
VI	2263UHIDTHPR	Dissertation	DSC	Practical	6	0	100	100
VI	2264UHIDPD	Product Designing	DSE	Theory + Practical	4	40	60	100
VI	2265UHIDHRI	Human Rights & Indian Constitution	AEC	Theory + Practical	2	40	60	100
Total					24	120	380	500

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

- CC - Core Course
- AECC - Ability Enhancement Compulsory Course
- DSC - Discipline Specific Compulsory Course
- GE - General Elective
- SEC - Skill Enhancement Course

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1. Fundamentals of Design - 2 Dimensional

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

- To understand elements & principles of design such as point, lines, shapes, colour, texture & forms, volume, spaces etc.
- To employ study in the form of drawings & sketches to enhance the vision, imagination & scale of the object.
- To understand and study mass, volume, space & analysis in sketch form.
- 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:

CO1: Recognize the elements and principles of design and their applications. (Level: Remember)

CO2: Discuss form, space and volume and their application in Interior Design. (Level: Understand)

CO3: Explain the Learning Colour Theory (Level: Understand)

CO4: Define the elements and principles of Design. (Level: Remember)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Elements of Design	12
	Line, Form, Shape & Size. Basic units of visual design, which forms its structure and convey visual messages.	
2	Representation in 2D - Form, Space, & Volume	14
	Learning of Form, Space & Volume & application in Interior design	
3	Colour Pattern	10
	Learning Colour theory through the colour wheel, study of various colour schemes as applied to Interior spaces, study of pattern & design textures.	
4	Principles of Design	24
	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

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2. Residential Interior Design

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

- To understand and apply Ergonomics and Anthropometric study to interior spaces (residences only).
- To understand human activity, spatial use, circulation and planning with respect to small residential spaces (up to 70 sqm.) through various case studies.
- 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:

CO1: List down the different user needs for residential interiors. (Level: Remember)

CO2: Explain the drafting methods of interior spaces based on standard and optimum dimensions of interior elements. (Level: Understand)

CO3: Sketch the concepts for planning and designing of small residential spaces through detailed measured drawings. (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Design units' study	9
	Understanding different interior design spaces and elements based on user needs and human activity.	
2	Residential design units	9
	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.	
3	Case Study of different residential spaces	15
	Understanding Residential spaces - in terms of circulation, zoning and planning. Understanding of volume, space, orientation and fenestration of residential spaces.	
4	Designing residential project (70 sqm.)	27
	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

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3. Foundation of Construction & Building Material

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

- To learn different techniques of construction.
- 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:

CO1: List down the building components & elements used in substructure. (Level: Remember)

CO2: Explain the use of timber and metals in construction & interior spaces. (Level: Understand)

CO3: Sketch the various modes of operation for Doors, windows, ventilators and their jamb linings and structural glazing (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Structural components (Bricks & Stones)	15
	Introduction to the basic structural components and elements of built structure and construction system using these components.	
2	Timber	15
	Uses of Timber in construction and interior spaces.	
3	Metals used in construction	15
	Use of Metals such as Iron & Steel in interior design and construction. Use of Aluminium & other alloys	
4	Openings: Doors and Windows	15
	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.

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4. History of Design-Ancient civilization

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

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

Course Outcome

CO1: List down the basic rules of space planning and organization with respect to interior elements and forms. (Level: Remember)

CO2: Summarize and restate the evolution of Interior Design. (Level: Understand)

CO3: Identify the contribution of various civilizations and their influence on current trends in interior design. (Level: Understand)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Basics of Interior spaces	12
	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.	
2	Evolution of Interior design	18
	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	
3	History of most important ancient civilizations and tracing furniture history	18
	How furniture evolved through history as a socio-cultural product. Study of Greek, Roman, Medieval, Gothic and Roman, Renaissance & Indian Furniture History & its evolution.	
4	Analysis & presentation & tracing timeline of all ancient civilizations	12
	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.

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5. Basics of Graphics & Free Hand Sketching

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	Basic representation	11
Module 2	Methods of Drafting	12
Module 3	Basic Shapes & Free Hand	12
Module 4	Complex Shapes & Scales and basic orthographic projection	10
	Total	45

Course Objectives

- To get acquainted with the use of drawing equipment, materials and methods of using them.
- To understand units of measurements (Metric & Feet) & of scales.
- To learn basic hand sketching, architectural lettering.
- 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:

CO1: Identify basic representation in Interior Design (Level: Remember

CO2: Discuss different drafting methods with the use of instruments and units. (Level: Understand)

CO3: Demonstrate an understanding of depth of line, shape, mass, texture etc. through various studio assignments. (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Basic representation	11
	Understanding basic drafting techniques, graphic codes architectural lettering, etc. Line drawings & line patterns.	
2	Methods of Drafting	12
	Learning drafting methods with instruments. Learning different units (Metric & Feet) for drafting technical drawings.	
3	Basic Shapes & Free Hand	12
	Sketching different shapes & forms. Learning free hand sketching in a natural environment.	
4	Complex Shapes & Scales and basic orthographic projection	10
	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

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6. Workshop - Model Making & Visual Study

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	3D Scales (height, width, length)	11
Module 2	Modelling materials for architecture & tools	12
Module 3	Material joinery	11
Module 4	Modelling & concept presentation & assembly	10
	Total	45

Course Objectives

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

Course Outcome

After completing this Course, the students should be able to:

CO1: Identify scales & dimensions of various objects in nature and interior spaces preparing skeletal models. (Level: Remember)

CO2: Explain the material quality and application potential. (Level: Understand)

CO3: Prepare scaled model for presentation based on design brief. (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	3D Scales (height, width, length)	11
	Learning scales & dimensions of various objects in nature and interior spaces preparing skeletal models.	
2	Modelling materials for architecture & tools	12
	Learning about architectural materials, properties and application to build objects.	
3	Material joinery	12
	Learning joinery & connections.	
4	Modelling & concept presentation & assembly	10
	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)

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7. Functional English

Sr. No	Modules/Units
1	Word Class Articles, Prepositions, Verbs, Adverbs, Conjunctions, Interjections
2	Tenses, Concord, Voice Tense and Aspect, Subject and Verb Agreement, Person and Number, Active and Passive Voice
3	Spelling and Punctuation Rules of Punctuation, Basic Rules of Spelling
4	Sentences Types of Sentences, Conversion of Sentences

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8. Sanskrit

Sr. No.	Modules	No. of Lectures
Module 1	Structure of Language	2
Module 2	Nouns and various cases	2
Module 3	Ten conjugations	2
Module 4	Voices	2
Module 5	Causal	2
Module 6	Absolute Locative	2
Module 7	Frequentatives	2
Module 8	Desideratives	2
Module 9	Sandhis	2
Module 10	Compounds	3
Module 11	Gerunds	3
Module 12	Infinitives	3
Module 13	History of Sanskrit Literature	3
	Total	30

Course Objective

- To build the vocabulary of students by equipping them in etymological aspects as per the text

Course Outcome

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

CO1: Explain the complex Vedic language and literature. (Level: Remember)

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8. Personality Development Skills

Module at a Glance

Sr. No.	Modules	No. of Lectures
Module 1	Interpersonal Skills	7
Module 2	Phone Etiquette & Professional Communication	8
Module 3	Email Etiquette	7
Module 4	Time Management	8
	Total	30

Course Objective

- To facilitate an all-round development of personality

Course Outcome

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

CO1: Identify and describe the ways to schedule time more effectively and stay on track and keep important goals top of mind. (Level: Understand)

CO2: Develop interpersonal skills and handle communication in a better manner. (Level: Create)

CO3: Write effective emails. (Level: Create)

Detailed Syllabus

Modules	Topics	No. of Lectures
Module 1	Interpersonal Skills	7
	<ul style="list-style-type: none"> ● Hard Skills and Soft Skills ● Effective Communication ● Skills for successful interview ● Leadership ● Social Empathy 	
Module 2	Phone Etiquette & Professional Communication	8
	<ul style="list-style-type: none"> ● Ways to make a good first impression. ● Effective call handling ● Major steps of outbound / inbound calls ● Hold the process ● off-air ● Using the right voice of voice ● Tips for good telephone etiquette ● Avoid prohibited phrases ● Physical language on the telephone ● Tele-conferencing skills 	
Module 3	Email Etiquette	7
	<ul style="list-style-type: none"> ● Greeting Enclosures , Closing, CC & BCC, Subject Line, Screen Appearance, Spacing, Font ,Replying, Signature ● Sending effective messages ● Structuring paragraphs and sentences ● Punctuation, grammar and spelling ● Tone of the messages ● Softening a negative message ● Responding to messages ● Handling ‘Negative’ mails 	
Module 4	Time Management	8
	<ul style="list-style-type: none"> ● Shift Focus from Managing Time to Managing Self ● Identify Typical Time Wasters ● Identify Personal Strengths and Development Opportunities to Control Time ● Define Goals Based on Your Role ● Establish Important and Valid Priorities ● Create a Realistic and Productive Schedule ● Use a Robust Planning Process to Analyse and Review Plans ● Attend Meetings with Purpose and Add Value ● Set Clear Expectations with Colleagues, Customers, and Your Boss 	

	<ul style="list-style-type: none">● Manage Interruptions from Others● Build both Productivity and Efficiency● Re-evaluate Multitasking Strategies● Overcome Procrastination● Manage Technological Distractions● Prioritize and Choose Activities to Balance Life and Work	
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1. Basics of Design - 3 Dimensional

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	Spaces	22
Module 2	Understanding and representation in 3D of Form, Space & Volume	23
Module 3	Exercise in Colour Theory & Light	22
Module 4	Understanding and representation in 3D Principles of Design	23
	Total	90

Course Objectives

- To evolve & transact on course content of Semester-I in 3D format.
- To learn application of Principles of Design into planning process
- To learn forms - additive & subtractive transformations through various 3D exercises.
- 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:

CO1: Identify and explain space and volume and its various modulations. (Level: Remember)

CO2: Outline the aesthetic and functional concepts through application of Principles of Design. (Level: Understand)

CO3: Demonstrate an understanding of space modulation and theme-based design by the help of different activities. (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Spaces	22
	Learning about space & volume & its various modulations exhibit understanding through model making and hand on experiments.	
2	Understanding and representation in 3D of Form, Space & Volume	23
	Learning of forms their interplay & transformation & develop aesthetic sensibilities and exhibit understanding through model making.	
3	Exercise in Colour Theory & Light	22
	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.	
4	Understanding and representation in 3D of Principles of Design	23
	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

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2. Interior Design of Villa & Bungalow

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	Residential case - study (Large & Luxury Residential Space up to 200 sq.)	22
Module 2	Residential Pre-study & Case Study	23
Module 3	Preliminary residential designing	22
Module 4	Final residential designing & presentation	23
	Total	90

Course Objectives

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

Course Outcome

After completing this course, the students should be able to:

CO1: Explain the concepts of theory of design in term of forms, spaces, and interior design elements. (Level: Understand)

CO2: Interpret the large luxury residential spaces in terms of circulation, planning & user needs through various case studies. (Level: Apply)

CO3: Prepare and draft residential space based on research, concept building and theme. (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Residential case - study (Large & Luxury Residential Space up to 200 sq.)	22
	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.)	
2	Residential Pre-study & Case Study	23
	Application & analysing concepts of theory of design in terms of forms, spaces and interior design elements	
3	Preliminary residential designing	22
	Plan, design & draft residential space as per given brief and based on research, concept building and theme.	
4	Final residential designing & presentation	23
	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

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3. Advance Technology in Construction & Building Materials

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	Walls & partition building materials	15
Module 2	Wall cladding and panelling materials	15
Module 3	Simple modular furniture	15
Module 4	Simple modular furniture detailing	15
	Total	60

Course Objectives

- To learn and apply techniques of construction based on Interior design portfolio Sem-I
- 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:

CO1: Identify the materials used in building walls and partitions. (Level: Remember)

CO2: Explain Wall Cladding and Wall Panelling. (Level: Understand)

CO3: Demonstrate an understanding of modular furniture. (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Walls & partition building materials	15
	Wooden framed fixed partition with single/double skin, aluminium framed partition, dry wall partition systems, full glass partition with architectural hardware.	
2	Wall cladding and panelling materials	15
	Wall cladding in different materials, wall panelling in different materials.	
3	Simple modular furniture	15
	Introduction to modular furniture, analysing the need and criteria for selection, materials used and constructional details.	
4	Simple modular furniture detailing	15
	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.

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4. History of Design - Trends & Movements

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

- To learn form & space transformation through various examples in History to the present date.
- To learn about design trends through various examples in History.
- 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:

CO1: Illustrate the design transformation from History to Modern era. (Level: Remember)

CO2: Apply historic design styles to contemporary interior environment settings and identify its impact on current trends. (Level: Apply)

CO3: Discuss different forms of furniture post Renaissance. (Level: Understand)

Detailed Syllabus

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

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5. Advance Methods of Graphics & Free Hand Sketching

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

- To improve on 2D & 3D sketching and rendering in scale & proportion.
- 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:

CO1: Identify and list down different colour rendering techniques & methods of sketching.

(Level: Remember)

CO2: Demonstrate an understanding of advanced techniques for architectural drawing. (Level: Understand)

CO3: Use different techniques of 3D view presentation. (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Methods of Sketching	15
	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	
2	Orthographic projections and sectional elevations drafting	15
	Learning orthographic projections (Isometric, axonometric) Learning different complex shapes used in interior design earlier with technical drawing	
3	3D Views	15
	Learning different technique of 3D view presentation [Perspective, Bird's eye view, Worm's eye view]	
4	3D View Presentation	15
	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. Environmental Studies

Modules at a Glance

Sr. No.	Modules	No. of lectures
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 Exercises	6
	Total	30

Course Objectives

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 Outcomes

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

CO1: Define the basic concepts of Environmental Science (Level: Remember)

CO2: Describe the types of Resources and Pollution. (Level: Understand)

CO3: Associate health risks with climate change. (Level: Understand)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Components of Environment	6
	<ul style="list-style-type: none"> ● Definition, Nature and Scope of environmental science. ● Components of environment: Atmosphere, Biosphere, Lithosphere, Hydrosphere. ● Man-Environment relationship and Concept of carrying capacity. ● Biogeochemical cycle: Carbon, Nitrogen, Phosphorus, Water, Energy flow. 	
2	Energy, Resource Conservation and Pollution	6
	<ul style="list-style-type: none"> ● Energy: Definition, Sources - Renewable and non-renewable, Sun as a source of energy. ● Energy use patterns and Future needs, Energy conservation policies. ● Resources: Definition and Types, Conservation of resources with examples. ● Pollution: Definition, Types, Effects and Management, Plastic pollution. 	
3	Climate Change and health management	6
	<ul style="list-style-type: none"> ● Climate Change: Meaning, Impacts, Examples, Associated health risks and solutions, Examples. ● Climate Change and Ecological imbalance, Effects. ● Policies related to climate change, Health management in India. 	
4	Environmental Management	6
	<ul style="list-style-type: none"> ● Concept of sustainable development and its application. ● Meaning and Process of Environmental Impact assessment. ● ISO: Standards related to environmental management: ISO 14000 and ISO 14001. ● Waste management: Meaning, Problems and Case studies of Indian metro cities: Mumbai, Pune, Bangalore, Delhi, Chennai. 	
5	Practical Exercises	6
	<ul style="list-style-type: none"> ● Project work. ● Environmental Diary: Based on observation. ● Field survey report: Visits to NGOs, Sanctuaries/National Parks, Ecotourism. ● Tree counting and mapping mentally. 	

Reference Books

1. Singh, Y.K. (2006): Environmental Science, New Age International, New Delhi.
2. Kumar, A. (2008): A Textbook of Environmental Science, APH Publishin 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.

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6. Introduction to Travel & Tourism

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	Introduction to Tourism	7
Module 2	Planning & Marketing of Tourism	7
Module 3	Travel Agencies	8
Module 4	Tourism Organisations	8
	Total	30

Course Objectives

1. To get thorough understanding of the components of the tourism industry.
2. To acquire knowledge and information pertaining to tourism industry

Course Outcome

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

CO1: Explain the basic concepts related to Tourism (Level: Remember)

CO2: Recognise the role that marketing can play in managing the multiple dimensions of tourism. (Level: Understand)

CO3: Explain the roles and responsibilities of a travel agencies and tourism organisations (Level: Understand)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Introduction to Tourism	15
	<ul style="list-style-type: none"> ● Concepts, Types and Significance of Tourism ● Scope and Motives of Tourism ● Risk in Tourism ● Tourism Development in India-Evolution, Social and Electronic Media and its impact on Tourism ● Growth of Tourism in India 	
2	Planning & Marketing of Tourism	15
	<ul style="list-style-type: none"> ● Planning- Concept, Need and Importance , Process, Approaches ● Organising- Concept, Need and Importance, Allocation of resources ● Marketing- Concept, Elements, Segmentation, Integrated Marketing Communications (IMC) 	
3	Travel Agencies	15
	<ul style="list-style-type: none"> ● Essentials, Need, Importance and Functions of Travel Agencies and Tour operators ● Procedures and Documentations-Need & Importance, Steps, Challenges, Types of documents and Itinerary making ● Customer Relationship Management-Concept, Need and Importance, Process, SQM 	
4	Tourism Organisations	15
	<ul style="list-style-type: none"> ● Role of State Tourism development Corporation & its regional offices, MTDC ● Role of Tourism Organisations-IATA, PATA, WTO, ITDC ● Social Responsibility and Ethical Concerns of Tourism 	

Reference Books:

1. Travel & Tourism I by Thakkar & Others, Vipul Prakashan

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6. Basics of Financial Services

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	Financial System	7
Module 2	Banks	7
Module 3	Insurance	8
Module 4	Mutual Funds	8
	Total	30

Course Objectives

1. To get acquainted with the basics of financial system and financial markets
2. To provide the basic objectives of Regulating Agencies.
3. To understand and acquire knowledge of basic concepts of Insurance and Mutual funds

Course Outcome

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

CO1: Outline the structure of financial system. (Level: Remember)

CO2: Explain the basic concepts of banks and mutual funds. (Level: Understand)

CO3: Interpret the key terminologies and functioning of Mutual funds (Level: Understand)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Financial System	7
	<ul style="list-style-type: none"> ● Overview of Financial System, Financial Markets, Structure of Financial Market (Organised and Unorganised Market), Components of Financial system, Major financial intermediaries, Financial Products, Function of Financial System, Regulatory framework of Indian financial system 	
2	Banks	7
	<ul style="list-style-type: none"> ● Commercial Banks, RBI and Development Banks Concept of Commercial Banks; Reserve Bank of India; Development Banks 	
3	Insurance	8
	<ul style="list-style-type: none"> ● Concept, Basic Characteristics of Insurance, Insurance company operations, Principles of Insurance, Reinsurance, Purpose and need of Insurance, Different kinds of Life Insurance Products, Basic idea about fire and marine insurance and bancassurance 	
4	Mutual Funds	8
	<ul style="list-style-type: none"> ● Concept of Mutual Funds, Growth of Mutual funds in India, Features and Importance of Mutual Fund, Mutual fund schemes, money market mutual funds, private sector mutual funds, Evaluation of the performance of Mutual Funds, Functioning of Mutual funds in India 	

Reference Books:

1. Basics of Financial Services by Jia Makhija, Vipul Prakashan

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6. Overview of Sports Management

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	History of Modern Sports and other Forms of Organized Physical Activity	7
Module 2	Sports Management Environment:	7
Module 3	Roles and Functions of National/International Sports Organisations	8
Module 4	Financial evolution of Sport	8
	Total	30

Course Objectives

1. To understand and apply the fundamental concepts of Sports Management.
2. To understand the basics of Sports Administration
3. To understand the role and functions of various Sports Organisations.

Course Outcome

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

CO1: Explain the basic concept of history of sports organisation. (Level: Remember)

CO2: Describe the management of a sports organization (Level: Remember)

CO3: Identify various funding sources for Sport (Level: Remember)

CO4: Remember the role of various International and National Sports Organisations (Level: Understand)

Detailed Syllabus

Module	Topics	No. of Lectures
1	History of Modern Sports and other Forms of Organized Physical Activity	7
	<ul style="list-style-type: none"> ● History of Modern Sports and other Forms of Organized Physical Activity ● A Historical Overview of Sports ● Evolutionary Processes of Modern Sports ● Relation between Physical Education and Sports, Exercise Physiology 	
2	Sports Management Environment	7
	<ul style="list-style-type: none"> ● Definition of Organization and Management; What is Sports Management; Unique features of Sports; Sports Management Environment; Three Sectors of Sports; What is different about Sports Management; Key Skills of a Sports Manager 	
3	Roles and Functions of National/International Sports Organisations	8
	<ul style="list-style-type: none"> ● Roles Of IFA, FIFA, BCCI, ICC, CAB, Sports Authority Of India (SAI), National Hockey Association, Bengal Volleyball Association, Bengal Tennis Association, Their Functions and Importance in the Promotion and management of Sports 	
4	Financial evolution of Sport	8
	<ul style="list-style-type: none"> ● Financial evolution of Sport; Funding sources for sport; Understanding financial information; The Balance sheet; Profit and loss statements; Cash flow; Budgeting systems; ● Understanding sport marketing; The Sport marketing framework; Sport product innovation; Sport marketing and social media; Sport media relationship; Broadcast rights. 	

Reference Books:

1. Fundamental of sports and exercise by Alan Kornspan- Human Kinetics Publishers (May 2009)
2. Sports & Society, 2nd edition by Grant Jarvie – Routledge (2012)
3. International Sports Management - Gonzalo Bravo

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1. Interior Design for Boutique

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

- To understand different types of retail spaces in terms of space planning, user needs & movement, merchandising space.
- 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:

CO1: Define the different types of retail spaces in terms of functionality, various users such as retailers & customers, & merchandising. (Level: Remember)

CO2: Summarize the functionality of various retail spaces through live & bookcase studies. (Level: Understand)

CO3: Prepare a design presentation on reflected ceiling plan, floor design & pattern (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Retail space Pre-Study	9
	Learning of different types of retail spaces, branding, merchandise & present findings in terms of users, activities, context etc	
2	Retail space (Boutique) Case-Study	9
	Understanding functionality of various retail spaces through live & bookcase studies. Understand & apply zoning, bubble diagrams and adjacency diagrams.	
3	Retail space (Boutique) designing Pre-finals	15
	Develop concept/philosophy and work out theme-based design as per design brief.	
4	Retail space (Boutique) design detailing and working drawings	27
	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

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

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2. Materials & Methods of Construction for Enclosures

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

- To learn about various structural systems, floor systems & roofing systems.
- 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:

CO1: List down the different structural systems for buildings and its application in the interior design. (Level: Remember)

CO2: Explain the various components in the construction methods related to structural aspect. (Level: Understand)

CO3: Classify the aspects of structural systems for stairs and roofing systems. (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Introduction to structural systems (bricks, stone, concrete & timber)	15
	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	
2	Floor systems	15
	Single floor in wood and steel with different floor finishes. Introduction to double floor in steel.	
3	Staircase	15
	Types of Staircases Single flight wooden staircase and dog legged RCC, metal staircase. Principles of steel spiral stairs	
4	Roofing systems	15
	Pitch roof/lean-to roof in steel with coated metal sheets, colour clay tiles and waterproofing of flat terrace and toilet.	

Reference Books

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

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3. Technical Drawing for Villas & Bungalow

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

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

Course Outcome

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

CO1: List down the presentation skills and basics of working drawings. (Level: Remember)

CO2: Outline the technical detailing & shop drawings for interior spaces. (Level: Understand)

CO3: Demonstrate an understanding of complex sections through ceilings, staircase & toilet blocks. (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Presentation skills and learning basic working drawings	15
	To understand presentation skills in working drawing starting point, line out, hatch pattern for materials	
2	Plan levels & working drawings	15
	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.	
3	Dimensioning	15
	Representation of dimensions in working drawings including toilet block	
4	Details of spatial elements, sectional elevation & details of ceilings, staircases & service block	15
	Detailed drawings for furniture. staircase & service block	

Reference Books

- Mario Carpo- The Working Drawing: The Architect's Tool
- Ralph W. Liebing (1977)- Architectural Working Drawings
- William P Spence (1993) - Architectural Working Drawings: Residential and Commercial Buildings
- 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

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4. Technical Services for Villa & Bungalow

Modules at a Glance

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

Course Objectives

- To learn different types of services required for Residential Project.
- 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:

CO1: Identify the basics of different services in a residential project. (Level: Remember)

CO2: Demonstrate an understanding of single line diagram of all services as per architectural standards & colour codes. (Level: Understand)

CO3: Prepare technical drawings for small residential spaces. (Level: Apply)

Detailed Syllabus

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

Reference Books

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

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6. Practical Training/Internship

During this semester the learner will have to undergo training outside the institute, in such offices / organizations which will give the learner the necessary opportunity to improve and consolidate his/her knowledge in the marketing profession. During the internship period the learner is expected to work in accordance with the discipline of the organization and will have to make progress which will be carefully monitored by the institution. The learner will have to submit the detailed report of the experience gained during the professional training.

Goals:

- To enable students to make a carefully guided transition into the world of work.
- To create an interface between learning and practice.
- To provide students with an environment that facilitates knowledge building and enhancing skills/competencies.
- To provide opportunities for experiential learning in varied areas of their disciplines and enhance their professional growth
- To enable students to identify their own strengths and skills needing improvement and upgrade them in line with their career goals.
- 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 few 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:

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. Communication Skills - I

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	Verbal & Non-verbal communication	7
Module 2	Writing skills	8
Module 3	Presentation skills & design vocabulary	7
Module 4	Debates & group discussion	8
	Total	30

Course Objectives

1. To enhance verbal & non-verbal communication skills.
2. To improve writing skills.
3. To learn correct design vocabulary and use effectively.
4. To develop presentation skills.

Course Outcome

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

CO1: Define Verbal and Nonverbal communication. (Level: Remember)

CO2: Express ideas articulately using correct design vocabulary during presentations. (Level: Understand)

CO3: Articulate Ideas in front of large groups. (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Verbal & Non-verbal communication	7
	Speech, voice modulation & body language	
2	Writing skills	8
	Learning to write effectively	
3	Presentation skills & design vocabulary	7
	Learning design vocabulary & learning to present projects effectively using correct design vocabulary	
4	Debates and group discussion	8
	Learning to put forth ideas articulately in front of large groups & participation in debates on various topics.	

Reference Books

1. Communication Skills for Professionals & Students: By Dr Amitabh Kishor Dwivedhi
2. How to Talk to Anyone: 92 Little Tricks for Big Success in Relationships by by Leil Lowndes
3. How to Develop Self Confidence and Improve Public Speaking - Time - Tested Methods of Persuasion (English, Hardcover, Dale Carnegie)

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6. Introduction to Computer Aided Design (CAD)

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

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

Course Outcome

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

CO1: Define basic of AutoCAD including setting up units and paper spaces. (Level: Remember)

CO2: Outline the usage of commands like line, rectangles. (Level: Understand)

CO3: Draft 2D plan using CAD software. (Level: Apply)

Detailed Syllabus

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

Reference Books

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

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8. Sanskrit /

Module at a Glance

Sr. No.	Modules	No. of Lectures
Module 1	Selected portion from Taittiriyaopanishad	4
Module 2	An extract from drama Pratima by Bhasa	3
Module 3	A story from Panchtantram	4
Module 4	An extract from Mricchakatikam by Shudraka	3
Module 5	A dialogue based on Meghadutam	4
Module 6	An extract from drama Malavikagnimitram	6
Module 7	Spy system in Kautiliya Arthashastra (5 types of stationary spies)	6
	Total	30

Course Objective

- To give holistic and comprehensive understanding of the subject.

Course Outcome

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

CO1: Describe the cultural perspective on the language. (Level: Understand)

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8. Selling Skills

Module at a Glance

Sr. No.	Modules	No. of Lectures
Module 1	Sales Environment	7
Module 2	Sales Techniques & Process	8
Module 3	Sales Targets	7
Module 4	Sales Presentations, Demonstrations and Customer Service	8
	Total	30

Course Objective

- To teach customer interaction skills that enable students to lead mutually beneficial sales conversations with customers—even those who are indifferent or express concerns.

Course Outcome

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

CO1: Explain the products and services in a way that is meaningful and compelling to customers. (Level: Remember)

CO2: Discuss the sales calls in a positive and customer-focused manner. (Level: Understand)

CO3: Explain the sales process. (Level: Understand)

Detailed Syllabus

Modules	Topics	No. of Lectures
Module 1	The Sales Environment	7
	<p>Understand the sales market – Characteristics, Features & Benefits, Unique selling propositions, Organisations market position, Competitors</p> <p>Different types of business focus in sales and marketing - Product focus, Production focus, Sales focus, Customer focus, Barriers to customer focus</p> <p>Manage time in the sales environment - Importance of effective time management, Business objectives, Urgent tasks, Routine tasks, Time management tools and techniques</p> <p>Use of IT in sales IT systems, Sales-related data and information, Information searches, Data audits, Implication of inaccurate sales data, Sales-related data issues and trends, Confidentiality, and security requirements:</p> <p>Communicate information in a sales environment - Sales environment, Characteristics of communication, Importance and uses of non-verbal communication, Importance of checking understanding, Customer needs, Colleague needs, Different media used to communicate, Advantages, Disadvantages</p>	
Module 2	Sales Techniques & Process	8
	<p>The sales cycle - Characteristics of the sales cycle, Affecting the approach to the sale, Sales contacts</p> <p>The buyer-decision making process - Dealing with buyers, Achievement of targets, Consumer buyer decision making, Business-to-business decision making, Pressures on customers</p> <p>Generate and quality sales leads - Customer segmentation, target the market, source and gather market information, Qualifying the sales contact, Accurate record keeping:</p> <p>Sell by inbound telephone call - Characteristics, Advantages, Disadvantages, Characteristics of reactive selling, Manage customer behaviour</p> <p>Sell by outbound telephone call – Preparations, Characteristics, Advantages, Disadvantages</p> <p>Selling face-to-face - Characteristics, Advantages, Disadvantages, Importance of preparing for the contact, Overcome barriers to closing the sale, Identify further potential add-on, up-selling or</p>	

	<p>cross-selling opportunities, USP, Different methods of closing sales:</p> <p>Process sales orders - Ordering products and/or services, Payment methods</p> <p>Despatch function, Order completion service standards, Discounts and special offers, Importance of keeping the customer informed of developments relating to their order</p>	
Module 3	Sales Targets	7
	<p>How sales targets are calculated - Forecasting sales processes, Factors that affect the setting of sales targets, Volume and value of the sales, Products and/or services pricing structure, Formula for calculating sales values over a period of time</p> <p>Use of sales targets - Importance of sales targets for performance purposes, Past sales targets and future targets</p> <p>How to collect sales-related data - Potential sources of sales-related data, Collection methods for obtaining quantitative and qualitative information, How data can be used to support sales activities</p> <p>How to evaluate sales performance - Monitor sales performance against targets, evaluate performance against targets, Factors that can cause variances of performance from target, Actions to be taken if sales targets are not met</p>	
Module 4	Sales Presentations, Demonstrations and Customer Service	8
	<p>How to prepare for a sales presentation or demonstration - Organisational sales strategies, plans and activities, Meeting related to sales targets, Features and benefits of the products and/or services to be promoted, Setting up the venue and equipment,</p> <p>How to deliver a sales presentation or demonstration - Provide audience with opportunities to raise questions, How to gain sales commitment:</p> <p>Role of evaluating sales presentations/demonstrations: Evaluating effectiveness of presentation or demonstration, Using evaluative information to enhanced sales performance:</p> <p>Customer Service in Sales - build long term relationships with customers, approaches to managing customer accounts, importance of customer loyalty, importance of the brand and organisational reputation, how to meet the customers' after sales service needs.</p>	

Reference Books:

1. Denny R — Selling to Win (Kogan Page, 2006) ISBN 8780749444341
2. Schiffman S — The 25 Sales Habits of Highly Successful Salespeople (Adams Media Corporation; 3rd Revised edition, 2008) ISBN 1598697579

3. Fleming P – Retail Selling, 2nd Edition (Mercury Business Books, 2007) ISBN 1852525541
4. Roberts L – Structured Selling: Sales Strategy and Tactics with a Target Marketing Purpose (Rogers Publishing and Consulting, 2009) ISBN 981744230
5. Miller S – How to Get the Most Out of Trade Shows (McGraw-Hill, September 2000) ISBN 065800939
6. Siskind B – Powerful Exhibit Marketing: The Complete Guide to Trade Shows, Exhibitions and Conferences (John Wiley & Sons, April 2005) ISBN 0470834692
7. Abrams R and Bozdech B – Trade Show in a Day: Get It Done Right, Get It Done Fast! (Planning Shop, November 2006) ISBN 0974080179

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1. Interior Design for Clubhouse

Modules at a Glance

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

Course Objectives

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

Course Outcome

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

CO1: Identify and tell different areas, circulation and adjacencies of internal spaces within clubhouse. (Level: Remember)

CO2: Prepare design based on internal areas placements of elements for clubhouse (Level: Apply)

Detailed Syllabus

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

Reference Books

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

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2. Construction Material & Methods for Ceiling & Floor

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

- To gain knowledge of various partitioning systems, false ceiling systems & false floors.
- 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:

CO1: Outline the concept of advanced partitions and systems while constructing a building. (Level: Remember)

CO2: Illustrate Gypsum board ceiling, modular ceiling systems in various materials. (Level: Remember)

CO3: Examine the joinery details gypsum board ceiling, modular ceiling systems in various materials (Level: Apply)

CO4: Explain the concept of raised floor used in commercial spaces. (Level: Understand)

Detailed Syllabus

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

Reference Books

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

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3. Technical Drawing for Boutique

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objective

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

Course Outcome

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

CO1: Explain and understand the details for walls and floors for boutique. (Level: Remember)

CO2: Categorize the constructional details & working drawings for integrated furniture. (Level: Understand)

CO3: Examine detailed construction drawings for designing components such as walls, floors & ceilings of a retail space. (Level: Apply)

Detailed Syllabus

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

Reference Books

- Mario Carpo- The Working Drawing: The Architect's Tool
- Ralph W. Liebing (1977)- Architectural Working Drawings
- William P Spence (1993) - Architectural Working Drawings: Residential and Commercial Buildings
- 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

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4. Basics of Plumbing & HVAC System

Modules at a Glance

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

Course Objectives

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

Course Outcome

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

CO1: Identify basics of plumbing and drainage system for residential and commercial project.

(Level: Remember)

CO2: State different methods for installation of HVAC systems in design. (Level: Understand)

CO3: Apply the knowledge of HVAC in design creation. (Level: Apply)

Detailed Syllabus

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

Reference Books

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

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5. Practical Training/Internship

During this semester the learner will have to undergo training outside the institute, in such offices / organizations which will give the learner the necessary opportunity to improve and consolidate his/her knowledge in the marketing profession. During the internship period the learner is expected to work in accordance with the discipline of the organization and will have to make progress which will be carefully monitored by the institution. The learner will have to submit the detailed report of the experience gained during the professional training.

Goals:

- To enable students to make a carefully guided transition into the world of work.
- To create an interface between learning and practice.
- To provide students with an environment that facilitates knowledge building and enhancing skills/competencies.
- To provide opportunities for experiential learning in varied areas of their disciplines and enhance their professional growth
- To enable students to identify their own strengths and skills needing improvement and upgrade them in line with their career goals.
- 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 few 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:

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. Advanced Computer Aided Design

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	Introduction to 3D Modelling	7
Module 2	CAD customization for Project	8
Module 3	Basics tools - I (for 3D Max)	7
Module 4	Basic tools - II (for Revit) & Plotting Techniques	8
	Total	30

Course Objectives

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

Course Outcome

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

CO1: State basic concepts of 3D modelling. (Level: Remember)

CO2: Explain the basics for Revit and plotting techniques. (Level: Understand)

CO3: Demonstrate the concepts of CAD drafting methods and techniques in 2D and 3D style.
(Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Introduction to 3D Modelling	7
	Learning Advanced Sketchup and commands available for 3D modelling.	
2	CAD customization for Project	8
	Learning Advanced Sketchup (for Rendering purposes) available for 3D modelling	
3	Basics tools - I (for 3D Max)	7
	Learning Basic 3D Max for 3D modelling	
4	Basic tools - II	8
	Learning Basics for Revit and learning about plotting techniques	

Reference Books

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

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7. Yoga & Ethics

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	30

Course Objectives

1. To understand the fundamentals of Yoga.

Course Outcome

1. CO1: Describe the history and fundamentals of yoga. (Cognitive Level: Remember)
2. CO2: Summarise the General Guidelines for Yoga practice. (Cognitive Level: Understand)

Detailed Syllabus

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

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

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7. Nutrition & Lifestyle

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	Sleep	7
Module 2	Stress/Emotional health	7
Module 3	Hydration and Basic lifestyle changes	8
Module 4	Exercise	8
	Total	30

Course Objectives

1. To understand the basic lifestyle changes in a human body
2. To understand the benefits and need for exercise in a human body

Course Outcome

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

CO1: Define the importance of Sleep, hydration, lifestyle changes & exercise. (Level: Remember)

CO2: Explain the basics of maintaining a healthy life. (Level: Understand)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Sleep	7
	<ul style="list-style-type: none"> ● Sleep- cycle, brain waves, ● Conditions that impact sleep cycle, ● Sleep and bedtime routine, ● Importance of sleep and side effects of sleep deprivation - immunity, hormonal imbalance, gut etc ● Adrenal fatigue with respect to sleep 	
2	Stress/Emotional health	7
	<ul style="list-style-type: none"> ● Stress/ emotional health- how does stress affect, ● Sympathetic Nervous system and Parasympathetic Nervous system, ● Stress and inflammation, ● Stress-immunity, ● Ways to manage stress, ● Adrenal fatigue with respect to stress 	
3	Hydration and Basic lifestyle changes	8
	<ul style="list-style-type: none"> ● Hydration- Functions and importance- ● Adequate hydration ● Foods that dehydrate you, ● Side effects of dehydration, ● Concepts of Intermittent Fasting, - Self study Dry Fasting, Circadian Intermittent Fasting, ● Impact of fasting on human body, Fasting phase and building phase , ● Impact of nutrition deprivation on cell metabolism 	
4	Exercise	8
	<ul style="list-style-type: none"> ● Exercise- Benefits of exercise, ● Types- aerobic and anaerobic- and cover examples in detail, ● Side effects of over exercising, ● Impact of no/ over exercise on muscles- weight gain/loss and exercise/ muscle gain and loss with respect to exercise, ● Impact of exercise on BMR 	

Reference Books:

1. Joshi SA. (2010). Nutrition and Dietetics. 3rd Ed. New Delhi: McGraw Hill Education (India) Put Ltd.
2. Raut SK., Mitra K and Chowdhury P., AdhunikPustibigyan, Academic Publishers.
3. Srilakshmi B.(2018). Dietetics,. New Delhi: New Age International.
4. Sahoo S and Sahoo SK. (2016). Pustibigyan, Kolkata: ChayaPrakashani.
5. Sohi D. A Comprehensive Textbook of Nutrition & Therapeutic Diets, New Delhi: Jaypee Brothers Medical Publishers.
1. Mudambi SR and Rajagopal MV.(2012). Fundamentals of Foods, Nutrition and Diet Therapy. 6thed. New Delhi: New Age International.
2. Begum MR, A Textbook Of Foods- Nutrition And Dietetics. Sterling Publishers Pvt. Ltd.

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8. Communication and Counselling Skills - II

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	Nutrition Counselling	7
Module 2	Processes involved in dietary counselling	7
Module 3	Counseling through the lifespan	8
Module 4	Practical experience	8
	Total	30

Course Objectives

1. To understand the influence of counseling on disease management and identify components of counselling skills and to provide skills of counselling for specific disease conditions.
2. Able to provide nutrition counseling and education to individuals and groups using a variety of communication strategies.

Course Outcome

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

CO1: Define the concept of Nutritional Counseling. (Level: Remember)

CO2: Discuss the process of dietary counseling. (Level: Understand)

CO3: List down the considerations for counselling plans (Level: Apply)

CO4: Draw out a complete counselling plan for personal and diet counselling. (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Nutrition Counselling	7
	<ul style="list-style-type: none"> ● Concept and importance of counseling in the nutrition care process ● Understanding dietary patterns and food choices and their impact on counseling ● Behaviour Change Communication and Models for behaviour change ● Counseling strategies ● Factors to be considered for counseling ● Conventional and non-conventional tools in counseling 	
2	Processes involved in dietary counselling	7
	<ul style="list-style-type: none"> ● Managing resources of the communicator/counselor ● Designing of counseling plans – goals & objectives, evaluation instruments. ● Implementation: facilitating self-management of disease condition ● Evaluation: evaluating adherence to dietary changes ● Counseling approaches after evaluation 	
3	Counseling through the lifespan	8
	Considerations for counseling plans for: <ul style="list-style-type: none"> ● Prenatal and pregnant women ● Lactating women ● Childhood nutrition problems like - SAM, weight management, vitamin and mineral deficiencies ● School children, adolescents, young adults ● fitness, weight management, eating disorders ● Managing diet related chronic diseases in adults: ● Obesity & Diabetes ● Dyslipidemia & Hypertension ● Cancer risk prevention ● Renal disease & Liver disorders ● Geriatric counseling 	
4	Practical experience	8
	Practical experience in personal counseling and diet counseling	

Reference Books

1. Mahan, L. K. and Escott Stump. S. (2016) Krause's Food & Nutrition Therapy 14th ed. Saunders-Elsevier
2. Snetselaar L. (2009). Nutrition Counseling Skills for the Nutrition Care Process. Fourth Ed. Sudbury, Massachusetts: Jones Bartlett Publishers.
3. Holli B Betsy and Beto A Judith. (2014). Nutrition Counseling and Education Skills for Dietetics Professionals. Sixth edition. USA: Lippincot Williams and Wilkins; Wolters Kluwer.
4. Gable J. (2016). Counseling Skills for dietitians. Florida, USA: JohnWiley and Sons.
5. Midwinter R and Dickson J.(2015). Embedding Counseling and Communication Skills. A Relational Skills Model. Routledge 2015
6. Devito Joseph A. (2015) Human Communication: The Basic Course. New York:Pearson
7. King K and Klawitter B.(2007). Nutrition Therapy. Advanced Counseling Skills. Third Edition. Philadelphia, USA: Lippincot Williams and Wilkins; Wolters Kluwer. 2007
8. <http://www.fao.org/docrep/X2550E/X2550e04.htm>

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1. Interior Design of Restaurant

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

- To understand planning & designing for hospitality spaces in terms of functionality & aesthetics.
- 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:

CO1: List down the areas representing concepts & themes, drawings showing sectional elevations and details. (Level: Remember)

CO2: Determine the different types of restaurants such as fast food, fine dine & theme restaurants etc. (Level: Understand)

CO3: Prepare final drawings showing concept, all floor plans, sectional elevations, details service core details & working drawings. (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Restaurant Pre-Study	9
	Understand different types of restaurants such as fast food, fine dine & theme restaurants etc	
2	Restaurant Case-Study	9
	Understanding theme based fine-dine restaurant, pubs through live and bookcase studies	
3	Restaurant designing Pre-finals	15
	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.	
4	Restaurant design detailing & working drawing	27
	Final drawings showing concept, all floor plans, sectional elevations, details service core details & working drawings.	

Reference Books

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

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2. Methods & Techniques of Mill Works

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objectives

- To understand in detail various types of loose & integrated built furniture
- 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:

CO1: Choose the different types of seating's and understanding materials and working out ergonomics required for seating furniture. (Level: Remember)

CO2: Categorize constructional details and materials required for fabrication of different type of cabinetry (Level: Understand)

CO3: Discuss furniture details for various types of seating. (Level: Understand)

Detailed Syllabus

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

Reference Books

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

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3. Fundamentals of Tender Documents

Modules at a Glance

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

Course Objectives

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

Course Outcome

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

CO1: List down the detailed specification of materials used in design. (Level: Remember)

CO2: Identify and list down the benefits of costing & its application. (Level: Understand)

CO3: Explain the basic concept of basic quantification of all work. (Level: Understand)

CO4: Explain the methods for preparing estimation, valuation, and tendering. (Level: Understand)

Detailed Syllabus

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

Reference Books

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

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4. Introduction to Building Management System

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

Course Objective

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

Course Outcome

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

CO1: State the detailed Electrical Layout. (Level: Remember)

CO2: Classify and explain the following terms and their usage - CCTV (Closed Circuit Television), public address system. (Level: Understand)

CO3: Explain the concept about building automation systems (BAS) (Level: Understand)

Detailed Syllabus

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

Reference Books

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

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5. Interior Design Dissertation

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	Thesis Proposal	7
Module 2	Hypothesis & Statement of Purpose	8
Module 3	Literature Review & Case-Studies	7
Module 4	Design Component & Conclusion	8
	Total	30

Course Objective:

- To research a gap or need in the interior design sector, work out a proposal and expected outcome for research.
- To adopt investigative research through data & case studies.
- 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:

CO1: Outline the scope of proposed work. (Level: Remember)

CO2: Explain the data used for site selection & criteria that develops the concept of building & creative component. (Level: Understand)

CO3: Discover statement of the proposal, objectives & strategies to be adopted, scope & limitations (Level: Apply)

CO4: Prepare data Analysis, presentation of data, tables, graphs, case-studies (Level: Apply)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Thesis Proposal	7
	Choosing topic, outlining description of proposed work, need of the interior design industry & expected outcome	
2	Hypothesis, Research & Analysis	8
	Statement of the proposal, objectives & strategies to be adopted, scope & limitations.	
3	Literature Review & Case-Studies	7
	Data Analysis, presentation of data, tables, graphs, case-studies	
4	Design Component & Conclusion	8
	Interpretation of Data, Site selection & criteria, SWOT Analysis, concept building & creative component.	

Reference Books

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

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6. Project Management

- Understanding Project Construction Method
- Deriving time management & schedule
- Understanding Finance management
- Delivery schedule
- Learning Tender & contracts drafting
- Coordination with consultants
- Learning Client Representation

Course Outcomes:

CO1: Categorize the functions & importance of Project Management in Interior design service
(Level: Understand)

CO2: Determine and collaborate with Project Management professionals in design service
(Level: Apply)

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. (2004) - Construction Management JumpStart: The Best First Step
5. Toward a Career in Construction Management

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7. Introduction to Rendering Software

Modules at a Glance

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

Course Objectives

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

Course Outcome

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

CO1: Outline the usage of basic Photoshop to enhance the presentation skills. (Level: Remember)

CO2: Explain and understand the basics of Corel Draw, Photoshop, and Presentation. (Level: Understand)

CO3: Model the 3D views in good quality resolution and design using Photoshop. (Level: Apply)

Detailed Syllabus

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

Reference Books

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

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8. Sanskrit

Module at a Glance

Sr. No.	Modules	No. of Lectures
Module 1	Vedic Sukta of concord Samjnanasukta	4
Module 2	Ten verses describing rainy season from Ramayana	3
Module 3	Selected verses from the second chapter of Bhagavadgeeta	4
Module 4	Twenty verses from Raghuvamsha by Kalidasa	3
Module 5	Ashtapadi by Jayadev	4
Module 6	Ten chitrashlok verses	4
Module 7	Ten verses related to health from Ayurveda	4
Module 8	Fifteen verses from modern Sanskrit literature – Vainayakam	4
	Total	30

Course Objective

- To give holistic and comprehensive understanding of the subject.

Course Outcome

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

CO1: Explain the basic skills of understanding Sanskrit literature. (Level: Understand)

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8. Effective Presentation Skills

Module at a Glance

Sr. No.	Modules	No. of Lectures
Module 1	Planning Presentations	7
Module 2	Preparing Presentations	8
Module 3	Enhance to Engage and prepare for Q & A	7
Module 4	Craft to impact	8
	Total	30

Course Objective

- To provide comprehensive understanding for delivering effective presentations.

Course Outcome

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

CO1: Explain the key elements of impactful presentations. (Level: Remember)

CO2: Prepare the audience research to create targeted presentations. (Level: Understand)

CO3: Demonstrate the best practices for designing visuals. (Level: Apply)

CO4: Prepare a report through effective question and answer sessions with the audience.
(Level: Apply)

CO5: Develop a visual narrative. (Level: Create)

Detailed Syllabus

Modules	Topics	No. of Lectures
Module 1	Planning Presentations	7
	<ul style="list-style-type: none"> ● Apply tools to analyze the audience and customize our delivery ● Understand the challenges associates with not knowing the audience ● List the 4 basic purposes of a presentation Introduce ourselves with confidence and credibility <ul style="list-style-type: none"> ● Identify strengths and opportunities for self-development 	
Module 2	Preparing for presentations	8
	Increase effectiveness through appropriate voice techniques <ul style="list-style-type: none"> ● Leverage gestures and expressions to emphasize our message ● Capture and retain audience attention through the use of storytelling Understand the fundamental elements of impactful presentations <ul style="list-style-type: none"> ● Plan and prepare a roadmap for the presentation ● Structure presentations for logical, productive outcomes ● Prepare evidence to give presentations more impact 	
Module 3	Enhance to Engage and prepare for Q & A	7
	Reinforce our information using visual impact <ul style="list-style-type: none"> ● Open and close sessions with impact ● Understand the variety of support tools that strengthen a Message Establish credibility with our audience through Q&A <ul style="list-style-type: none"> ● Handling and maintaining control of Q&A sessions ● Learn how to confidently facilitate Q&A sessions 	
Module 4	Craft to impact	8
	Small groups to apply the learnings of the workshop and craft one presentation basis <ul style="list-style-type: none"> ● Audience ● Purpose ● Tools and Techniques Set Individual Action plans <ul style="list-style-type: none"> ● Feedback using recording of presentations 	

Reference Books:

1. Effective Presentation Skills – Robert Dilts, Meta Publication
2. Business Communication Today - Bovee and Thill: Tata McGraw Hill,

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1. Professional Practice

Modules at a Glance

Sr. No.	Modules	No. of lectures
Module 1	Introduction to estimation, costing & rate analysis	22
Module 2	Components of estimation	23
Module 3	Methods of estimation	22
Module 4	Live case-studies & examples	23
	Total	90

Course Objective

1. To gain knowledge in Interior design projects.
2. To draw budgets of proposed Interior design projects.

Course Outcome

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

CO1: Outline the concept of estimation, costing, and rate analysis. (Level: Remember)

CO2: Explain the major components of estimation, costing, and analysing rates. (Level: Understand)

CO3: Analyse the case-studies for estimating costing & rate analysis. (Level: Analysis)

Detailed Syllabus

Module	Topics	No. of Lectures
1	Introduction to estimation, costing & rate analysis	22
	Introduction to concept of estimation, costing and rate analysis. Need for estimating, costing and rate analysis.	
2	Components of estimation	23
	Components of estimation, costing and analysing rates (drawings and specifications, units and modes of measurements, work output, material and labour cost, contingencies, professional fees, indirect costs etc.	
3	Methods of estimation	22
	Methods of estimating (lump-sum, work specific, item rate etc.); costing (percentage basis, item rate basis etc) and rate analysis (item rate basis)	
4	Live case-studies & examples	23
	Detailed case-studies for estimating, costing & rate analysis	

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. Internship

Learning Objectives:

During this semester the learner will have to undergo training outside the institute, in such offices / organizations which will give the learner the necessary opportunity to improve and consolidate his/her knowledge in the interior design profession.

During the practical training period the learner is expected to work in accordance with the discipline of the organization and will have to make progress which will be carefully monitored by the institution. The learner will have to submit the detailed report of the experience gained during the professional training.

Course Outcome

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

CO1: Demonstrate good working practices to show a developing maturity and sense of responsibility. (Level: Apply)

CO2: Prepare a training report based on their learning. (Level: Apply)

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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.

Course Outcomes

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

CO1: Compose a Report. (Level: Create)

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4. Product Designing & Green Interiors

Modules at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	60

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:

CO1: Cite the history of Art and Visual Culture. (Level: Remember)

CO2: Discuss the principle of transferring images from a matrix onto surfaces (Level: Understand)

CO3: Create a prototype. (Level: Apply)

Detailed Syllabus

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

References:

1. Artiom Dashinsky- Solving Product Design Exercises
2. Ed Catmull- Creativity, Inc
3. Daniel Kahnemmn- 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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5. Human Rights & Indian Constitution

Module at a Glance

Sr. No.	Modules	No. of lectures
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
	Total	30

Course Objectives

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

Course Outcome

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

1. Analyse the fundamental rights and duties.
2. Learn more about human rights.

Detailed Syllabus

Module	Topics	No. of Lectures
1	Indian Constitutional Philosophy and Union and State Executive, Legislature and Judiciary	15
	<ul style="list-style-type: none"> ● Feature of the Constitution and Preamble ● Fundamental Rights and Fundamental Duties ● Directive Principles of State Policy ● Union Parliament and State Legislature: Power and Functions ● President, Prime Minister, and Council of Ministers ● State Governor, Chief Minister and Council of Ministers ● The Supreme Court and High Court: Power and Functions 	
2	Concept and Development of Human Rights and Human Rights in India	15
	<ul style="list-style-type: none"> ● Meaning Scope and Development of Human Rights ● United Nations and Human Rights- UNHCR ● UDHR 1948, ICCPR 1996 and ICESCR 1966 ● Protection of Human Rights Act, 1993 (NHRC and SHRC) ● First, Second and Third Generation of Human Rights ● Judicial Activism and Human Rights 	

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 Politic
4. D.C. Gupta, Indian Government and Politics
5. H.M. Sreevai, Constitutional Law of India, 4th 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 Durga Das Basu, Human Rights in Constitutional Law, Prentice—Hall of India Pvt. Ltd, New Delhi