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शिवाजी वि./अ.मं/ आय.डी.एस./7199

दि. 17/07/2018

प्रति,

प्राचार्य,

कॉलेज ऑफ नॉन-कन्व्हेंशनल व्होकेशनल कोर्सेस फॉर वुमन,

विद्यापीठ रोड,

कोल्हापूर

विषय:- शैक्षणिक वर्ष 2018-19 पासून बॅचलर ऑफ इंटरियर डिझाईन (BID) हा अभ्यासक्रम 3 वर्षा ऐवजी 4 वर्षांचा करण्याबाबत व बॅचलर ऑफ इंटरियर डिझाईन (BID) भाग-1 सुधारित अभ्यासक्रमाबाबत.

महोदय,

उपरोक्त विषयसंदर्भात विद्यापीठ अधिकार मंडळाच्या निर्णयानुसार आपणास कळविण्यात येते की, शैक्षणिक वर्ष 2018-19 पासून आंतर विद्याशाखीय अभ्यास विद्याशाखेअंतर्गत शैक्षणिक वर्ष 2018-19 पासून बॅचलर ऑफ इंटरियर डिझाईन (BID) हा अभ्यासक्रम 3 वर्षा ऐवजी 4 वर्षांचा करण्यास मान्यता देण्यात आलेली आहे. त्यानुसार बॅचलर ऑफ इंटरियर डिझाईन (BID) भाग-1 चा सुधारित अभ्यासक्रम शैक्षणिक वर्ष 2018-19 पासून लागू करण्यासही मान्यता देण्यात आली आहे तो सोबत जोडला आहे.

सदरचा अभ्यासक्रम [www.unishivaji.ac.in](http://www.unishivaji.ac.in) (online syllabus) या संकेतस्थळावर उपलब्ध आहे. तरी सदरची बाब सर्व संबंधित विद्यार्थी व शिक्षकांच्या निदर्शनास आणावी.

कळावे,

आपला विश्वासू

उपकुलसचिव

प्रत: माहितीसाठी .

1. प्र-अधिष्ठाता, आंतर विद्याशाखीय अभ्यास विद्याशाखा
2. अध्यक्ष, वृत्तपत्रविद्या समन्वय समिती
3. संचालक, परीक्षा व मूल्यमापन

यांना माहितीस्तव

योग्य त्या पुढील कार्यवाहीसाठी

3. इतर परीक्षा-1,2,3,
4. परीक्षक नियुक्ती विभाग
5. संलग्नता विभाग
6. संगणक विभाग
7. पात्रता विभाग

यांना योग्य त्या पुढील कार्यवाहीसाठी

**SHIVAJI UNIVERSITY,  
KOLHAPUR.**

**New/Revised Syllabus For  
Bachelor of Interior Design**

**2018-2019**

A] **Ordinance and Regulations:-**  
**(as applicable to degree/programme)**

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B] **Shivaji University, Kolhapur**  
**New/Revised Syllabus For**  
**Bachelor of Interior Design**

1. **TITLE : Subject -----**  
**Optional/Compulsory/Additional/IDS under the Faculty of -----**
2. **YEAR OF IMPLEMENTATION:-** New/Revised Syllabus will be implemented from June 2018 onwards.

3. **PREAMBLE:-**

The Board of Studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.

4. **GENERAL OBJECTIVES OF THE COURSE/ PAPER/ :**  
**(as applicable to the Degree /Subject- Paper concerned)**

- 1) **To meet the requirements & aspiration of the society which is rapidly growing.**
- 2) **To give adequate facilities for training of interior designers.**
- 3) **To expose a student to the total environment**
- 4) **To develop a philosophy consistent with the traditions technology & social economic needs of people.**
- 5) **To educate creative competent self reliant women professionals**
- 6) **To promote the women education in the professional field & self employment to success the non conventional approach of the Govt. policy to vocational training for women.**

5. **DURATION**

- **The course shall be a full time course B.I.D.**
- **The duration of course shall be of Four years Eight Semesters.**

6. **PATTERN:-**

Pattern of Examination will be Semester.

- 7. FEE STRUCTURE:- (as applicable to regular/self supporting course)**
- i) Entrance Examination Fee ( If applicable)- Rs----- ( Not refundable)**
  - ii) Course Fee & Other fee will be applicable as per University rules/norms.**
- 8. IMPLEMENTATION OF FEE STRUCTURE:- As directed by University**
- 9. ELIGIBILITY FOR ADMISSION :-**  
**As per eligibility criteria prescribed for each course and the merit list in the qualifying examination.**
- 10. MEDIUM OF INSTRUCTION :**  
The medium of instruction shall be in English. ( as applicable to the course/programme concerned.)

## 11. STRUCTURE OF COURSE- -----

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.

### **FIRST YEAR Sem I (NO.OF PAPERS- 06)**

Sr.No.	Subjects	Marks
1.	Interior Design I	150
2.	Graphics I	125
3.	Theory of Interior Design I	75
4.	Technical Skills I	75
5.	Communication Skills	75
6.	Element of Interior Space	50

### **FIRST YEAR Sem II (NO.OF PAPERS- 06-)**

Sr.No.	Subjects	Marks
1.	Interior Design II	200
2.	Graphics II	125
3.	Theory of Interior Design II	75
4.	Technical Skills II	75
5.	History of Interior I	75
6.	Computer I	50

### **SECOND YEAR Sem III (NO.OF PAPERS---07---)**

Sr.No.	Subjects	Marks
1.	Interior Design III	100
2.	Gaphics III	125
3.	History of Interior II	75
4.	Technical Skills III	75
5.	Interior Services I	75
6.	Landscape Design	50
7.	Computer II	100

**SECOND YEAR Sem IV (NO.OF PAPERS---07---)**

Sr.No.	Subjects	Marks
1.	Interior Design IV	200
2.	Garphics IV	100
3.	History of Interior III	75
4.	Technical Skills IV	75
5.	Interior Services II	75
6.	Lighting & Color in Interior	75
7.	Computer III	50

**THIRD YEAR Sem V (NO.OF PAPERS---07 )**

Sr.No.	Subjects	Marks
1.	Interior Design V	200
2.	Working Drawing I	100
3.	Interior Services III	75
4.	Estimating Costing	75
5.	Contemporary Interior Design	75
6.	Design Elective I	100
7.	Furniture Construction & Detailing	100

**THIRD YEAR Sem VI (NO.OF PAPERS---01 )**

Sr.No.	Subjects	Marks
1.	Professional training	600

**FOURTH YEAR Sem VII (NO.OF PAPERS---07 )**

Sr.No.	Subjects	Marks
1.	Interior Design VI	200
2.	Working Drawing II	100
3.	Interior Design code	75
4.	Professional Practice I	75
5.	Project Management	75
6.	Elective II	100
7.	Project Report	100

**FOURTH YEAR Sem VIII (NO.OF PAPERS---03 )**

Sr.No.	Subjects	Marks
1.	Project Work	400
2.	Elective III	100
3.	Elective IV	100

**12. SCHEME OF TEACHING AND EXAMINATION:-**

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

**FIRST YEAR / SEMESTER – I/ II/----**

Sr. No.	Subject /Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
1	Interior Design I	-	-	10	10	-	150	150
2	Graphics I & II	-	-	07	07	100	25	125
3	Theory of Interior Design I & II	-	-	05	05	50	25	75
4	Technical Skills I & II	-	-	05	05	50	25	75
5	Communication Skills	04	-	-	04	50	25	75
6	Element of Interior Space	04	-	-	04	50	-	50
7	History of Interior I	04	-	-	04	50	25	75
8	Computer I	-	-	04	04	50	50	100
9	Interior Design II	-	-	10	10	100	100	200

**SECOND YEAR / SEMESTER – III/ IV**

***Scheme of Teaching and Examination***

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
1	Interior Design III	-	-	10	10	-	100	100
2	History of Interior II & III	04	-	-	04	50	25	75
3	Technical Skills III & IV	-	-	05	05	50	25	75
4	Interior Services I & II	04	-	-	04	50	25	75
5	Landscape Design	04	-	-	04	50	25	75
6	Lighting & Color in Interior	03	-	-	03	50	25	75
7	Computer II & III	-	-	04	04	50	50	100
8	Graphics III	-	-	-	06	100	25	125
9	Interior Design IV	-	-	10	10	100	100	200
	Graphics IV			06	06	-	100	100

**THIRD YEAR / SEMESTER – V/ VI**

***Scheme of Teaching and Examination***

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
1	Interior Design V	-	-	10	10	100	100	200
2	Working Drawing I	-	-	08	08	-	100	100
3	Interior Services III	04	-	-	04	50	25	75
4	Estimating Costing	04	-	-	04	50	25	75
5	Contemporary Interior Design	04	-	-	04	50	25	75
6	Design Elective I	03	-	-	03	50	50	100
7	Furniture Construction & Detailing	03	-	-	03	50	50	100
8	Professional training	--	-	36 Weeks	36 Weeks	-	600	600



## FOURTH YEAR / SEMESTER – VII/ VIII

### Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
1	Interior Design VI	-	-	10	10	100	100	200
2	Working Drawing II	-	-	08	08	-	100	100
3	Interior Design code	04	-	-	04	50	25	75
4	Professional Practice I	04	-	-	04	50	25	75
5	Project Management	04	-	-	04	50	25	75
6	Elective II	03	-	-	03	50	50	100
7	Project Report	03	-	-	03	50	50	100
8	Project Work	--	-	36 Weeks	36 Weeks	200	200	400
9	Elective III	03	-	-	03	50	50	100
10	Elective IV	03	-	-	03	50	50	100

**13. SCHEME OF EXAMINATION :-**

- The examination shall be conducted at the end of each academic year.
- The Theory paper shall carry 50/---- marks.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

**14. STANDARD OF PASSING:-**

**As Prescribed under rules & regulation for each degree/programme.**

**15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING :-**

**(Unitwise weightage of marks should also be mentioned)**

**16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)**

**17. SPECIAL INSTRUCTIONS , IF ANY.**

NEW/REVISED SYLLABUS FOR  
**Bachelor of Interior Design**  
**(B.I.D.)**

Implimented from June 2018

- (i) **Paper – I**
- (ii) **Title Of Paper -----**
- (iii) **Specific Objectives:-----**
- (iv) **A brief note :- ( On expected level of study from examination and assessment point of view):- -----**

(v) <b>UNIT</b>	<b>No.of Lectures</b>
Unit 1	(No.of Lectures – 15)
Unit 2	(No.of Lectures – 15)
<b>Unit 3</b>	(No.of Lectures – 15)
<b>Unit 4</b>	(No.of Lectures – 15)
<b>Unit 5</b>	(No.of Lectures – 15)
<b>Unit 6</b>	(No.of Lectures – 15)
<b>Unit 7</b>	(No.of Lectures – 15)
<b>Unit 8</b>	(No.of Lectures – 15)

- (vi) **Recommended Reading :**  
**(In MLA/APA Style Sheet Format)**

- a) **Basic Reading** :-
- b) **Additional Reading** :-
- c) **References** :-

- i) **Books**
- ii) **Periodicals/Journals:**

**(NOTE :**

- i) The details of field work, seminar, Group Discussion and Oral examination be given wherever necessary.
- ii) General/Specific instructions for Laboratory safety should be given wherever necessary)

**C] OTHER FEATURES :**

**1. INTAKE CAPACITY / NUMBER OF STUDENTS:-  
(Wherever applicable)**

**2. TEACHERS QUALIFICATIONS:-**

- **As prescribed by norms .**
- **However required number of core faculty should be given for particular course along with paper wise and Specialization wise work load allocation.**
- **Work load details should be as per Apex body/UGC/State Govt./University norms.**

**3. The Board of studies should clearly mention the required Books, Journals and specific Equipments necessary for the Course.**

**(A) LIBRARY :**

Reference and Text Books, Journals and Periodicals, Reference Books for Advanced Books for Advanced studies.

**(B) SPECIFIC EQUIPMENTS :** Necessary to run the Course.

(T.V., V.C.R. V.C.P., L.C.D., Overhead Projector) (Computers and necessary softwares and operating systems etc.)

**(C) LABORATORY SAFETY EQUIPMENTS :**

SHIVAJI UNIVERSITY, KOLHAPUR

# Syllabus for Bachelor of Interior Design (B.I.D.)

## PREFACE :

The need for Education of Interior Design and Decoration to meet the developmental requirements and aspiration of the society which is rapidly growing. Adequate facilities for training of Interior Designers has become the matter of urgency. Interior Design education which calls for a creative approach must expose a student to the total environment and develop a philosophy consistent with the traditions, indigenous technology, social and economic needs of the people.

The demand for qualified Interior Designers is growing and at the same time there are no facilities for Interior Design education. A large number of candidates seeking admission, who otherwise are fully capable of pursuing the course of studies in interior have to be turned away for lack of adequate facilities for interior design education resulting in the sprouting of sub-standard and undesirable Interior institutions. There is therefore, an urgent need to bring the standards of Interior design education on a level commensurate with the needs of our country. The ultimate aim of the training is to educate creative, competent, self-reliant women professionals and the development of the field.

**To promote the women education in the professional fields and self employment as well as the success of non-conventional approach of the Government policy to vocational training for women, there is a need of such course.**

### **Duration and stages of the Course :**

- A. The Interior Design and Decoration Degree Course shall be of minimum duration of four academic years, 30 working weeks each as per University norms.
- B. In addition full time 90 days or part time 180 days or in combination to full fill full time 90 days (excluding University Holidays) of practical training in Professional Architects / Interior Designers / Civil engineers office during Internal Assessment of the second term of third year.

### **Intake and Migration :**

- A. The sanctioned intake of candidates at the first year shall not exceed a maximum of 60 in a class. If more than 60 candidates are admitted, separate class room shall be organized.
- B. The institutions may permit at their discretion, migration of students from one institution to another subject to the maximum number of students not exceeding the permitted maximum intake in a class.

### **Course and Periods of Studies :**

- A. The Institutions imparting instructions in Interior may follow the courses and periods of studies as prescribed in Appendix.
- B. The Institutions shall, as an integral part of Interior Design and Decoration, Education, Curriculum and as a part of teaching programme, arrange for study tours, site visits to places of interesting design and professional aspects, market survey to study advanced material, technology and its rates, exhibition of work and materials.

### **Examinations & Qualification of Examiners :**

- A. The University or an independent examining body shall conduct the examinations at the end of each academic year as decided time to time.
- B. The Sessional work shall as far as possible be assessed by a Jury panel of internal and external examiners.
- C. The weightage of marks for subjects having both class work as well as examination marks may not exceed the ratio of 50 : 50
- D. The passing percentage shall not be less than 50% in the internals and Externals.
- E. An examiner for any of the subject of examination shall have a minimum of 2 years teaching/professional experience in his/her field of study.

### **Staff :**

- A. The institute shall maintain a teacher/student ratio as per university norms.
- B. The institution with the maximum intake of 60 in a class may have the faculty pattern as prescribed.
- C. The institute shall encourage the faculty members to involve in professional practice including research.
- D. The institutions shall provide exchanges of faculty members for academic programmes, induction training etc. as per UGC schemes.

Notwithstanding anything contained in these regulations the institutions may prescribe minimum standards of Interior Education provided the minimum standards prescribed from time to time by the Adhoc board meet the requirements of the profession and education thereof.

**Physical Facilities:**

The institution of Interior Design should be located in a building to have a floor area of about 5 Sq. Mt. per student. The building should include one studio per year adequate space for lecture, 1 projector room, library, materials, storage and display, exhibition / display space, office accommodation and common area for students and staff.

Facilities may also be provided for extra-curricular activities like cultural and sports.

The equipment in the studios has also to be provided to meet with the special requirement for Interior Education.

It is desirable to provided hostel accommodation and residential accommodation for staff and students in proximity of the Institution.

**Four year full time degree course in Interior Design affiliated to Shivaji University, Kolhapur for Women only.**

- A. Five work hours per day, 30 work hours per week. [450 work hours per semester]  
[15 weeks per semester] 900 work hours per year
  
- B. For arranging site visits (minimum 4 per week) [60 work hours per semester]  
Market Survey, Annual Exhibition and Seminars 120 work hours per year
  
- Study Tour- Field Work. -----  
1020 work hours per year  
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## **Eligibility:**

### **B.I.D. I :**

- A. H. S. C. (10+2) of Maharashtra, H.S.C. Board or Equivalent Board of any state.
- B. Where 10+2 scheme is not introduced, candidates must have passed after 11 years schooling the higher secondary pre university, pre-Engineering or Equivalent examination of any recognized University of Board of any state.
- C. Passing of 10+2 any course in Architecture, Interior, Civil Engineering, Construction Technology, Building Supervisor, Architectural Assistantship, architectural, civil draughtsman ship or similar courses in architectural, civil, MCVC or any other technology in which Engineering drawing is covered – all recognized by the technical Education Board Maharashtra or equivalent Universities and boards of any state.
- D. Preference shall be given to the students who have passed Intermediate drawing grade Examination or technical qualifications.

### **Admission Procedure :**

- a. As per Merit list under provisions of rules of Govt. as applicable will be displayed on the Notice Board of the Institution / College

**Objective:** To impart education in the field of interior design.

**Nomenclature of the degree :** The nomenclature of the degree shall be B.I.D (interior design)

**Duration of the degree Programme :** The programme shall comprise of Eight semesters equivalent to 4 academic years duration. Each academic year shall have two semesters. The odd semesters shall commence in June and even semesters in January. Each semester shall comprise 90 days of teaching (15 weeks) duration. Plus 90 full days training/working.



## Admission to the Bachelor of Interior Design (B.I.D)

### **Eligibility :**

#### **B.I.D (First year)**

1. (10 + 2) Maharashtra (H.S.C.), H.S.C. board or equivalent board of any state.
2. 10+2/3 years diploma of any recognized University or Board of any state.

#### **B.I.D (Second year)**

1. The second year exam leading to the B.I.D (Int. des) will be held by university & no candidate will be admitted in this examination unless she has kept two terms in a college affiliated to the university subsequent to her passing the first year exam leading to the degree and unless she produces from the Principal of the college a certificate as per quoted in B.I.D 1<sup>st</sup> year.
2. Diploma course in Interior Design or Architecture, DCE, DEE, DME of (12 + 3) years duration conducted by board of technical education or any other government recognized authority of any state.

#### **B.I.D (Third year)**

1. The third year examination leading to the B.I.D will be held by the university and no candidate will be admitted in this examination unless she has kept two terms in the college affiliated to the university subsequent to her passing the second year examination leading to the B.I.D and unless she produces from the principal of the college a certificate as per quoted in B.I.D 2<sup>nd</sup> year.

#### **B.I.D (Fourth year)**

1. The fourth year examination leading to the B.I.D will be held by the university and no candidate will be admitted in this examination unless she has kept two terms in the college affiliated to the university subsequent to her passing the second year examination leading to the B.I.D and unless she produces from the principal of the college a certificate as per quoted in B.I.D 3<sup>rd</sup> year.

**Duration and Stages of the Course:**

- A. The Interior Design Degree Course shall be of minimum duration of full time four academic years, 30 working weeks each as per university norms.

**Intake and Migration :**

- A. The sanctioned intake of candidates at the first year level shall not exceed a maximum of 60 in a class. If more than 60 candidates are admitted separate classes shall be organized.
- B. The Institutions may permit, at their discretion migration of students from one institution to another subject to the maximum number of students not exceeding the permitted maximum intake in a class.

**Standard of Passing:**

To pass the BID Examination the candidate must obtained 40% marks in university papers and 50% marks in internal assessment (term work) and external assessment (term work) separately prescribed for each subject.

Those of the successful candidates who obtain 45% of the total marks in all heads of passing shall be placed in the Second class.

Those of the successful candidates who obtain 60% of the total marks in all heads of passing shall be placed in the First class.

Those of the successful candidates who obtain 70% of the total marks in all heads of passing shall be placed in the First class with Distinction.

**Award of class :-**

**The determination of class for Bachelor degree in Interior shall be the aggregate of the total marks obtained at the third year BID examinations.**

50 to 59.99 % - Second Class.

60 to 69.99 % - First Class.

70 % and above - First class with distinction.

**ATKT :**

A candidate who has failed in any 1/3 subject heads including internal and external at the First/ Second year examination will be allowed to keep terms and appear for second year or third year examination of BID. Provided she has obtained 45% or more marks in aggregate of all subjects. The result of the second or third year examination of such candidates will not be declared unless she has passed in the remaining subject of the first or second year examination.

Candidate who has failed in any 1/3 subject heads (including internal & external) papers in second year & have cleared first year BID examination shall be allowed to keep terms for BID third year.

The passing standards for the written, drawing, designing, University examination papers are given separately for each subject along with the course content of each subject.

**Exemption :**

An unsuccessful candidate who has passed in any of the subjects with minimum 40% in university papers and 50% marks in internal & external of the total number of marks in that subject may, at her option be exempted from appearing in that subject at a subsequent attempt and will be declared to have passed in the whole examination when she has passed in the remaining subjects of the examination in accordance with BID-I & II year.

For the purpose of deciding whether a candidate has passed the examination in the manner aforesaid, the marks obtained by her in those subjects in the previous examination shall be carried forward.

**Internship :-**

In addition to all the passing standards prescribed before, all candidates will have to produce a certificate in prescribed form of having attained the required 90 days full-time or 180 days part –time or in combination to fulfill full time 90 days (excluding University holidays) Internship experience of working in the professional Interior Designers/ Architects/ Interior or Civil Contractor office, duly enclosed by the principal of the college.

The candidates shall have to produce to the college the certificate of completing the internship from the firm they worked with before starting the Internals of second term of the Third year of BID.

**Teaching Staff Structure :**

1. The institute shall maintain full time nine core faculty and remaining on CHB.
2. The institute shall encourage the faculty members to involve in professional practices and research.
3. The institute shall encourage exchange of faculty members for academic programmes / UGC / COA programmes.
4. It is advisable that approximately 25% of the teaching load should be allotted to the visiting faculty from practicing professionals (architects, interior designers, artists), so that the students are brought in closer contact with the persons actively engaged in practice.
5. The institute may appoint qualified persons in the field of Interior Design / Architect/ Engineering/ Qty. Surveying/ Art/ Humanities depending upon the actual requirements of the subjects.

**Statement showing the designation, pay scale and qualification etc required to be prescribed for faculty positions.**

**1. Designation : Head of the Department –**

- a. Bachelors degree in Architecture or equivalent with ten years professional / teaching / research experience.

Or

Bachelors degree in Interior Design (10+2+4) with eleven years professional / Teaching / research experience.

Or

Bachelors degree in Interior Design (10+2+3) with twelve years professional / Teaching / research experience.

Or

- b. Masters degree in interior design or in Architecture with Eight years professional teaching / research experience.

Or

Masters degree in Interior design with 10 years professional / teaching / research experience.

**2. Designation : Lecturer**

Bachelors degree in Architecture or equivalent with five years professional / teaching / research experience.

Or

Bachelors degree in interior design or equivalent with seven years professional / teaching / research experience.

Or

Masters degree in Architecture or equivalent with three years professional / teaching / research experience.

Or

Masters degree in interior design or equivalent with five years professional / teaching / research experience.

**3. Designation : Studio Assistant**

a. Dip. Arch. Or DIDD, Diploma in Civil, approved by University or Statutory

Board of any State with four years experience in profession or teaching.

Or

b. Bachelors degree in Architecture

Or

c. Bachelors degree in Interior Design with two years experience.

**Schedule I**

**Scheme of Teaching and Examination**

**First year Semester I**

		Scheme of examination			
Subject	Lecture / Week	Sessional Assessment	Semester End Examination	TOTAL MARKS	

			INTERNAL EXTERNAL				
1	Interior Design I	10	50 MARKS	100 MARKS		Viva Voce	150 MARKS
2	Graphics I	7	25 MARKS		100 MARKS	Test (3 hrs)	125 MARKS
3	Theory of Interior Design I	5	25 MARKS		50 MARKS	Test (2 hrs)	75 MARKS
4	Technical Skills	6	25 MARKS		50 MARKS	Test (2 hrs)	75 MARKS
5	Communication Skills	4	25 MARKS		50 MARKS	Test (2 hrs)	75 MARKS
6	Element of Interior Space	4	50 MARKS			Viva Voce	50 MARKS
		36					550 MARKS

### First year Semester II

			Scheme of examination				
	Subject	Lecture / Week	Sessional Assessment INTERNAL EXTERNAL		Semester End Examination		TOTAL MARKS
1	Interior Design II	12	60 MARKS	40 MARKS	100 MARKS	Test (3 hrs)	200 MARKS
2	Graphics II	7	25 MARKS		100 MARKS	Test (3 hrs)	125 MARKS
3	Theory of Interior Design II	4	25 MARKS		50 MARKS	Test (2 hrs)	75 MARKS
4	Technical Skills II	5	25 MARKS		50 MARKS	Test (2hrs)	75 MARKS
5	History of Interior I	4	25 MARKS		50 MARKS	Test (2 hrs)	75 MARKS
6	Computer I	4	50 MARKS			Viva Voce	50 MARKS
		36					600 MARKS

### Second year Semester III

			Scheme of examination				
	Subject	Lecture / Week	Sessional Assessment INTERNAL EXTERNAL		Semester End Examination		TOTAL MARKS
1	Interior Design III	10	50 MARKS	50 MARKS	100	Viva Voce	100 MARKS
2	Graphics III	6	25 MARKS		100	Test (3 hrs)	125 MARKS
3	History of Interior II	3	25 MARKS		50	Test (2 hrs)	75 MARKS
4	Technical Skills III	5	25 MARKS		50	Test (2 hrs)	75 MARKS

5	Interior Services I	4	25 MARKS		50	Test (2 hrs)	75MARKS
6	Landscape Design	4	25 MARKS		50	Test (2 hrs)	50 MARKS
7	Computer II	4	50 MARKS	50 MARKS		Viva Voce	100
		36					600 MARKS

### Second year Semester IV

		Scheme of examination					
	Subject	Lecture / Week	Sessional Assessment		Semester End Examination		TOTAL MARKS
			INTERNAL	EXTERNAL			
1	Interior Design IV	10	50 MARKS	50 MARKS	100	Viva Voce	200 MARKS
2	Graphics IV	6	50 MARKS	50 MARKS			100 MARKS
3	Lighting & color in Interior	3	25 MARKS		50	Test (2 hrs)	75 MARKS
4	Technical Skills IV	5	25 MARKS		50	Test (2 hrs)	75 MARKS
5	Interior Services II	4	25 MARKS		50	Test (2 hrs)	75 MARKS
6	History of Interior III	4	25 MARKS		50	Test (2 hrs)	75 MARKS
7	Computer III	4	50 MARKS			Viva Voce	50 MARKS
		36					650 MARKS

### Third year Semester V

		Scheme of examination					
	Subject	Lecture / Week	Sessional Assessment		Semester End Examination		TOTAL MARKS
			INTERNAL	EXTERNAL			
1	Interior Design V	10	50 MARKS	50 MARKS	100	Test	200 MARKS
2	Working Drawing I	8	50 MARKS	50 MARKS		Viva Voce	100 MARKS
3	Interior Services III	4	25 MARKS		50	Test (2 hrs)	75 MARKS
4	Estimating Costing	4	25 MARKS		50	Test (2 hrs)	75MARKS
5	Contemporary Interior Design	4	25 MARKS		50	Test (2 hrs)	75MARKS
6	Design Elective I	3	50 MARKS	50 MARKS		Viva Voce	100 MARKS
7	Furniture Construction & Detailing	3	50 MARKS	50 MARKS		Viva Voce	100 MARKS
		36					725 MARKS

### Third year Semester VI

		Scheme of examination					
	Subject	Lecture / Week	Sessional Assessment		Semester End Examination		TOTAL MARKS
			INTERNAL	EXTERNAL			
1	Professional Training	36	300 MARKS	300 MARKS		Viva Voce	600 MARKS

### Fourth year Semester VII

		Scheme of examination					
	Subject	Lecture / Week	Sessional Assessment INTERNAL EXTERNAL		Semester End Examination		TOTAL MARKS
1	Interior Design VI	10	50	50	100	Viva Voce	200 MARKS
2	Working Drawing II	8	50	50		Viva Voce	100 MARKS
3	Interior Design Code	4	25		50	Test (2 hrs)	75 MARKS
4	Professional Practice I	4	25		50	Test (2 hrs)	75MARKS
5	Project Management	4	50		50	Test (2 hrs)	75MARKS
6	Elective II	3	50	50		Viva Voce	100 MARKS
7	Project Report	3	50	50		Viva Voce	100 MARKS
		36					725 MARKS

### Fourth year Semester VIII

		Scheme of examination					
	Subject	Lecture / Week	Sessional Assessment INTERNAL EXTERNAL		Semester End Examination		TOTAL MARKS
1	Project Work	30	200	200		Viva Voce	400
2	Elective III	3	50	50		Viva Voce	100
3	Elective IV	3	50	50		Viva Voce	100
		36				TOTAL	600



# Subject Syllabus

## First Year

### Semester I

#### 1. Graphics – I

Lecture / Studio Hours – **7 periods per week**

Total work hours per semester = **7 x 15 = 105 periods**

Contents:

- 1) Introduction of drawing equipments, materials and methods of using them.
- 2) Scale and its application for drawing geometric shapes.
- 3) Rendering techniques of 2D Drawing along with human figures, accessories with & without stencils.
- 4) Lettering – different styles.
- 5) Free hand sketching of furniture & interior schemes, landscape etc.
- 6) Orthographic projections of geometric forms & furniture items.
- 7) 3D projections – isometric, Hexanometric, Axanometric.

#### 2. Theory of Interior Design – I

Lecture / Studio Hours – **5 periods per week**

Total work hours per semester = **5 x 15 = 75 periods**

Contents:

- 1) Elements of design – point, line, plane, volume, shape, form, pattern, colour, texture, light time.(Application)  
Study of Design – Space, Interior Space Spatial qualities.  
Optical illusious – Cancelled from this semester.  
Application in interior design topics.  
Working on at least two assignments of interior spaces of varying dimensions incorporating harmoniously every design element.  
Study of various masses – sphere, cube, cylinder, cone, pyramid etc.  
Colour Planning : Visual effects, psychology, Application, types of colour, different schemes & its uses in interior.  
Texture Planning : Visual effects, psychology, Applications, types of texture, different schemes & its uses in interior.  
Difference between designer and decorator.

### 3. Technical Skills – I

Lecture / Studio Hours – **6 periods per week**

Total work hours per semester = **6 x 15 = 90 periods**

Contents:

- 1) Introduction to Material (Wood, Synthetic Materials, Plastic & Fabric) including Timber Joinery
- 2) Bricks – types of masonry and application in interior.
- 3) Stone – types of masonry and application in interior.
- 4) Plastering and pointing.
- 5) Studying of building section and various components of building.
- 6) Studying of different types of work spaces in kitchen & Toilet.
- 7) Flooring : Natural stone, mocaic tiles, insitu, ceramic tiles.
- 8) Materials & market survey :  
Building boards  
Brick, Stone  
Timber

### 4. Communication Skills

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

- 1) Communication process.
- 2) Grammer.
- 3) Letter writing, types of letter writing.
- 4) Report writing, types, formats & methods.
- 5) Technology based communication – email, web, mobile, telephones.

Internet Communication. Introduction of MS office

### 5. Interior Design – I

Lecture / Studio Hours – **10 periods per week**

Total work hours per semester = **10 x 15 = 150 periods**

Contents:

Anthropometry : Anthropometry data and special requirements for human needs with relation to movements, functions, furniture & space.

Process of design.

Interior Accessories / product design.

Design of simple furniture with activities – seating, working, sleeping, storage.

Design development including case studies.

## **6. Elements of Interior Space**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

### **WALL PLANES**

Use of wall planes to create architectural effects - Natural patterns and textures obtained in masonry walls – articulation of openings in wall planes – effect of tilting the vertical axis of wall planes - niches and alcoves - cornices and moldings etc.

### **ROOF PLANES**

Different types and their visual impact – articulation of skylights and roof apertures – false ceiling – materials, finishes & patterns - types of false ceiling – various types of lighting.

### **FLOOR PLANES**

Various types of flooring – mosaic, tile, stone etc. – aesthetic effects created by flooring material and pattern - graphic patterns and their visual effects – construction details – skirting, molding, embossing etc. Floor finishes and floor coverings.

### **DOORS, WINDOWS AND VENTILATORS, ETC.**

Doors – types – flush doors, paneled doors, braced doors, carved wooden doors, metal embossed doors, glazed doors and their relevance – various materials and articulation.

Windows – various types (casement, horizontal sliding, vertical sliding, hopper, pivoted) – various shapes (arched, circular, triangular etc) various materials (wood, aluminium, steel, pvc) and their suitability to that space – ventilators – louvered, paneled etc.

### **CASE STUDIES**

Case studies for manipulation of wall, floor and roof planes to create various architectural effects – case studies of various doors, windows and ventilators – case studies of columns, beams etc for interior effects.

## **Semester II**

## **7. Graphics – II**

Lecture / Studio Hours – **7 periods per week**

Total work hours per semester = **7 x 15 = 105 periods**

Contents:

- 1) Sketching.
- 2) 3D projections (Isometrics, Hexametric, Axonometric)
- 3) Rendering in 2D & 3D.

- 4) Block model making.
- 5) 3D projection view of Interior Design II problem.
- 6) Rendering
- 7) Perspective – One point measuring point.

## **8. Theory of Interior Design – II**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

Principles of Design - Balance – Symmetrical, Asymmetrical

Proportion

Mass

Harmony & diversity

Center of Interest

Reception

Gradation

Emphasis

Rhythm.

Application in interior design topics.

Aesthetics of furniture & furnishing : Trends, study of historical pieces, different styles & development (introduction only).

Optical illusions.

Lighting in interior design.

Ergonomics in interior designing.

## **9. Technical Skills – II**

Lecture / Studio Hours – **5 periods per week**

Total work hours per semester = **5 x 15 = 75 periods**

Contents:

- 1) Staircase – Terminology, types of staircases (function wise), timber stair case in detail, décor treatments to R.C.C. staircase.
- 2) Doors – Terminology & types of doors, timber paneled, partly glazed & partly paneled doors, ply / block board, flush doors, timber battened doors, different types of frames for doors.

- 3) Windows – Glared, paneled timber windows, Aluminium, M.S. windows.
- 4) Building Drawing & terminology of Architecture.
- 5) Inbuilt / wood / building boards / furniture item constructions & terminology of different components.
- 6) Flooring : Natural Stone, mosaic tiles, insitu, Ceramic tiles, Construction of different types of flooring.
- 7) Materials & market survey – cement, mortar. Concret, metal (ferrous & non ferrous) glass etc.

## **10. Interior Design – II**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

### Furniture design – Single items (Residential & commercial)

Furniture design – group of furniture elements along with surroundings.

One design problem of multi activity residential single room design including case study & area maximum 50 sqft.

- a) Conceptual sketches.
- b) Presentation drawing.
- c) Large scale details of furniture items.

## **11. Computer – I**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

- Computer Concept.
- Introduction to computer.
- Development in computer.
- History of computers – Modern History – Computer
- System Organisation
  - Binary code – Software & Hardware
  - Data & programme organization logical & physical
  - Parts, CPU, ALU, CU etc.

- RAM and ROM, memory math co-processor
- Main memory, Auxillary memory
- Peripheral device –  
Input devices, Output devices.
- Computer classification –  
Digital, Analog, Hybrid, Microcomputers, Miniframe, Mainframe.
- Brief introduction of Software & languages.
- High level languages, low level languages.
- Computer Aided Drawing & its introduction & application (theory).
  - Computer Aided Drawing.
  - 2D Cad all commands.  
Interior Design – I topic plans without presentation.
  - Students are expected to draw Simple figures in 2D using draw & edit commands as sessional work.

## **12 . History of Interior Design – I**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

### ***EARLY CLASSICAL PERIOD***

Prehistoric Cave paintings – Primitive Designs- Interiors during Egyptian, Greek, Roman, Gothic, Early Christian & Renaissance Periods.

#### **MIDDLE AGES**

Interiors in Romanesque, Gothic, and renaissance periods

#### **COLONIAL TO THE BEGINNING OF THE 20TH CENTURY**

Colonial, Victorian designs, Arts & Crafts movement, Art Nouveau, Eclectism, Frank Lloyd Wright.

#### **BAUHAUS TO POST WAR MODERNISM**

Walter Gropius/ Bauhaus, De Stijl, Mies Van Der Rohe, Le Corbusier, Art Deco, Postwar Modernism.

#### **PROJECTS**

Projects based on Historical Styles in Interiors & Assignments.

Role of Historical study in Interior Design.

Furniture History

Significance of furniture

## Second Year

### Semester III

#### 13. Graphics – III

Lecture / Studio Hours – **6 periods per week**

Total work hours per semester = **6 x 15 = 90 periods**

Contents:

- 1) Perspective & rendering – One pt measuring pt, Three wall.
- 2) Two pt measuring pt – Two Wall, Three wall.
- 3) Sciagraphy – basic.
- 4) Free hand drawing – perspectives & rendering of one pt three wall, two point two wall, two point three wall.
- 5) Planometric View.
- 6) Drawing 2D – detailing of interior items – Single items.

None : Assignment work shall be based on Interior Design II

#### 14. Interior Design – III

Lecture / Studio Hours – **10 periods per week**

Total work hours per semester = **10 x 15 = 150 periods**

Contents:

- 1) One full scheme of residential interior having maximum types of residential activities upto 3 bedroom units.
  - a. Conceptual sketches.
  - b. Presentation drawing.
  - c. Large scale details of furniture items.
- 2) One time bound problems – any commercial interior, office, bank, showroom, shop, restaurant, fast food centre area 50 – 100 sqft.

#### 15. Technical Skills – III

Lecture / Studio Hours – **5 periods per week**

Total work hours per semester = **5 x 15 = 75 periods**

Contents:

- 1) Partitions – Single skin & double skin, traditional & innovative with composite materials.

- 2) False Ceiling – In plaster of paris, other innovative materials, construction terminology & details.
  - 3) Mezzanine – Construction & details.
  - 4) Staircase – Innovative composite material staircase for interior.
- Materials & application - Paints, Distempers, Wall papers, Varnishes,  
Ceramic products,  
Thermal & Sound insulation materials

## **16. History of Interior – II**

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

### RECENT DIRECTIONS

Design movements such as Late Modernism, High Technology, Post Modernism, and De Constructivism and Minimalism

### NON EUROPEAN TRADITIONS

Interiors in China, Japan & the Islamic World – Influences of Pre Columbian American art & culture, African influences in interiors

### SCANDINAVIAN TRADITIONS

Interior Design in Sweden, Finland, Norway.

Contributions of Architects such as Aalvar Alto, etc.

### INDIAN TRADITIONAL DESIGNS

Traditional Styles of design & decorations of homes & accessories across the states in India including Rajasthan, Gujarat, Andhra, Tamil Nadu, Madhya Pradesh etc.

### PROJECTS

Assignments on recent directions & Non European traditions, Traditional designs of India.

## **17. Interior Landscape Design – I**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

### INTERIOR LANDSCAPING

Definition, classification of plants, indoor plants and their functions, layout & components, Floriculture – commercial, ornamental, Selection of plants & pest control.

### PHYSICAL REQUIREMENTS OF PLANTS

Physical requirements of plants – light, temperature, water, planting medium, soil separator, weight of plants, acclimatization & maintenance.

Techniques to meet physical requirements.

### INTERIOR LANDSCAPING ELEMENTS & PRINCIPLES

Various interior landscaping elements – water bodies - pools, fountains, cascades



Plants, rocks, artifacts, paving & lighting, Design guidelines- plant texture & colour, plant height, plant spacing.

#### ROOF AND DECK LANDSCAPE

Protection of the integrity of the roof and structure, provisions for drainage, light weight planting medium, irrigation, selection of materials, water proofing, provision for utilities and maintenance.

#### EXERCISE ON INTERIOR LANDSCAPE

Courtyard design

An outdoor room design

Terrace garden

### **18. Computer – II**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

CAD and its advanced application.

- Creating & organizing 2D drawings
- All 2D drgs commands
- All 2d edit commands

Working in layers.

Presentation drawings.

Output of drawings through printers & plotters.

3D CAD drawings & views.

Note – Assignments to be based on Interior Design.

### **19. Interior Services – I**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

1) Sanitation.

- Sanitary fittings & fixing methods.
- Different materials.
- Different drainage system.
- Disposal methods.
- Sanitary layout of different interiors.

2) Water Supply.

- Different material accessories & fittings.

- Hot & cold water supply & its techniques.
- Underground & overhead water tanks.
- Water supply layout of different interior systems.

## **Second Year**

### **Semester IV**

#### **20. Graphics – IV**

Lecture / Studio Hours – **6 periods per week**

Total work hours per semester = **6 x 15 = 90 periods**

Contents:

- Presentation drawings – 2D plans & Sections.
- Detail drawings in 2D of interior items.
- Sectional views.

Note : Assignment work shall be based on Interior Design III & IV

#### **21. Interior Design – IV**

Lecture / Studio Hours – **12 periods per week**

Total work hours per semester = **12 x 15 = 90 periods**

Contents:

- 1) One commercial interior problem having area from 100 to 200 sqft.
- 2) One commercial interior problem of Shop or Showroom having area – 200 sq. mt.
- 3) One time bound problem having area 100 – 200 sq.mt. of commercial interior.

#### **22. Technical Skills – IV**

Lecture / Studio Hours – **5 periods per week**

Total work hours per semester = **5 x 15 = 75 periods**

Contents:

- 1) Paneling & cladding – Trimmer framed with building board paneling, Stone for paneling & cladding, cladding with other innovative materials.
- 2) Flooring – wooden, M.S, composite materials, Court & details
- 3) Doors – Rolling Shutters, Collapsible doors, sliding /revolving / Pivoted doors, innovative door design.
- 4) Modular furniture details
- 5) Lifts & escalator

Materials & its application - upholstery/curtain/carpets.  
Innovative flooring types  
Plastic  
Drapery & its fixing types / venttion blinds  
Glass  
Hardware & fastenings.

Note : Assignment work shall be based on Interior Design II

### **23. Interior Services – II**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

1) Electrification:

- Light, lighting design, light sources & fixtures.
- Natural light, Artificial light.
- Supply system – A.C. / D.C. current, Single/three phase current.
- Wires, cables, Types of wiring, rarthing.
- Generator / Battery back up system.
- Graphical symbols of electrification & electrical layout.
- Telephone, data cabling, T.V. cabling.

2) Fire protection:

- Definition
- Structural fire precautions
- Rules, fire resistance
- Fire fighting equipment, detectors, alarms etc.
- Fire resisting materials
- Means of escape

Note : Assignment work shall be based on Interior Design IV

### **24. History of Interior – III**

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

Industrial Revolution & its effects.

Different styles in Interior design.

- a. Art Nouveau.
- b. Art Deco.
- c. Period style.
- d. Bauhaus
- e. Functionalism
- f. Modernism
- g. Post modernism
- h. Manimalism
- i. Eclisticism
- j. High tech & Hard edge style.

Note : Assignment work shall be as per content above.

### **25. Computers – III**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

2D presentation drawings with other than CAD software

CAD & 3 dimensional drawings views

Advance software like Google sketchup. 3D max etc. for 3D drawings presentation.

Use of photoshop, corel draw or related softwares for presentation.

### **26. Lighting Color and Interior – I**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

#### INTRODUCTION TO DAY LIGHTING

Nature of light – Wavelength, Photometric quantities – intensity, Flux, illumination and luminence, visual efficiency, sources of light, day light factor concept, design sky concept, day lighting requirements.

#### ARTIFICIAL LIGHTING

Electric lamps – incandescent, fluorescent, sodium vapour, mercury, halogen and neon. Different types of lights in interior and exterior - task lighting, special purpose lighting. Calculation of artificial lighting, guidelines for lighting design, Glare in artificial lighting.

#### EFFECT OF COLOR IN LIGHTING

Colors, color schemes - Monochromatic, analogous, complementary colour schemes, triadic and tetradic schemes, effects of color in different areas, color temperature, psychological effects of colour in interiors, factors affecting colour, Prang theory – Colour wheel, Munsell system and Oswald system.

## LUMINARES & FIXTURES

Definition, different luminaries for lighting, lighting control system- benefits & application,

Impact of lighting, fixture types - free standing or portable, fixed, light fixture control.

Lighting accessories- switches, sockets, fused connection units, lamp holders, ceiling roses etc. CASESTUDY

Study of projects based on different lighting concepts used in interiors and exteriors

### Third Year

#### Semester V

#### 27. Interior Design – V

Lecture / Studio Hours – **10 periods per week**

Total work hours per semester = **10 x 15 = 150 periods**

Contents:

One Interior Design problems of complete species with creative outlook (Hotels, Resorts, Hospitals, Educational buildings etc. – service industries)

Drawings include – presentation drawings, Enlarge detail drawings, Service layout drawings, views etc to understand clearly concept of design.

Area of Interior project should be @ 300.00 sq.mt. minimum

One Interior Design problem of any one type – Hotels, resorts, Hospitals, education building with proper. Concept sketches.?

Presentation drawings

Enlarged details, elevation, sections, views, service layouts

One time bound problem of Hotels, Resorts, Hospitals etc. – Service industries.

#### 28. Working Drawing – I

Lecture / Studio Hours – **8 periods per week**

Total work hours per semester = **8 x 15 = 120 periods**

Contents:

Working drawing & details of Interior Design II project. All furniture, flooring, ceiling, electrical, water supply, drainage layouts with details. In details of furniture, doors, windows etc. of all types with specifications. The drawings shall be sufficient to understand the design & fulfill the details required for estimation, tender form.

#### 29. Interior Services – III

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester =  $4 \times 15 = 60$  periods

Contents:

- 1) Air Conditioning : Functions – temp control, ventilation, dust control.  
A.C. systems – window unit, vertical/horizontal package units, split systems, ducting installation, precaution to prevent sound travel & water outlets.
- 2) Acoustics: Functions, Sound, Sound transmission, acoustics in enclosed spaces reflection, reverberation, sound abstraction, Noise & Noise control – Noise Absorption, Acoustical materials.
- 3) Landscaping : Introduction – Indoor landscaping, Outdoor landscaping related to interior surrounding spaces. Ekebana, flower, arrangement, potting, Bed preparation, Artificial & natural landscaping. Services for landscaping. Maintainance of landscaping, Different types of materials, plants etc.

### **30. Estimation & Costing – I**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester =  $4 \times 15 = 60$  periods

Contents:

Estimate & estimation

1. Quantity aspect      2. Quality aspect
- Types estimate – Approximate, detailed.
  - Principle of approximate methods of costing.
  - Approximate methods of costing of various items.
  - Prepare of rate analysis
  - Factors affecting rate analysis
  - Importance of rate analysis
  - Estimation of rate analysis
  - Schedule of rates
  - Method of taking our Quantity
  - Rate analysis for different I.D. items
  - General rates for measurement

Studio Work:

- Preparation of measurement rates & Quantities of different materials.

Specifications

Objects of specifications  
Importance of specifications  
Types of specifications  
    Brief specifications  
    Detailed specifications  
Principles of specification costing  
Specification of different items  
Abstract or work

Contract & contract documents

Tender, Types of tender, Contract, Billing, Certificates of payments, clerk of works.

Studio work – Estimation of residential interior scheme, minimum one multi itemed project based on Interior Design II

### **31. Design Elective I**

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

To study a particular subject of students liking in greater details. Students have to choose any one subject from the following & submit data collection & given assignment for the same. Any one.

#### **a) Presentation technique.**

##### **COLORING STUDY**

Introduction of colors, Usage of water colors, poster colors, pen & ink, rendering techniques, etc.

##### **DRAWING AND SKETCHING INTERIOR ENVIRONMENTS**

Drawing and sketching interior environments, one point interior perspective, two point interior perspective, refined linear perspective methods, two point plan projection method, and perspective traced from photographs.

##### **RENDERING WITH PEN AND INK**

Introduction to pen and ink rendering, materials, media and tools, rendering orthographic projection drawings, rendering perspective drawings.

##### **RENDERING WITH COLOUR PENCILS AND SKETCH PENS**

Rendering of interior perspectives with colour pencils and sketch pens – stroke effects, smudge effects – use of schoeller and kent sheets – leather cartridge etc.

##### **RENDERING WITH POSTER/WATER COLOURS**

Use of kent/ cartridge sheets for poster colours and waterman/cartridge sheets for

water colours – transparency effects in water colours – block effects in poster colours.

### **b) Adaptive reuse and recycling**

#### NEED FOR ADAPTIVE REUSE

Cultural inheritance – heritage buildings and old structures – ascertaining the structural stability – estimation of the prolonged life of the building – strategies of adaptive reuse – investigation into material finishes etc.

#### NEED FOR RECYCLING OF MATERIALS

The logic behind recycling – recycling of steel, wood, glass etc - estimation of the quality of recycled timber – criteria for recycling of steel, glass etc.

#### CONCEPT OF SUSTAINABILITY

Earth summit declaration – definition of sustainability – economic, social and environmental issues – green rating of buildings – criteria for LEED rating.

#### RECYCLING OF WASTE WATER

Sullage and sewage – techniques of water purification for sullage – treatment plant for sewage – techniques of biological and chemical purification.

#### NEED FOR CONSERVATION

Architectural conservation – conservation of heritage and important buildings – levels of intervention – structural, construction related, finishes etc. Revival of old building techniques and finishes.

### **32. Contemporary Interior Design**

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

#### EARLY PIONEERS

Art nouveau, the post Industrial era works of Charles René Mackintosh, Antonio Gaudi, Gerrit Rietveld and their expressionist interior design.

#### BAUHAUS AND POST WAR MODERNISTS

Walter Gropius/ Bauhaus, De Stijl, Mies Van Der Rohe, Art Deco, Postwar Modernism.

#### MODERNISM

Interiors of Le Corbusier, Frank Lloyd Wright, Louis Khan, Kenzo Tange and Oscar Niemeyer

#### INTERNATIONAL STYLE

The works of Alvar Alto, Phillip Johnson, Charles and Ray Eames, Eero Saarinen, Eero Arnio, Arne Jacobsen.

#### POST MODERNISM AND MINIMALISM

Interiors of Zaha Hadid, Santiago Calatrava, Frank Gehry and Peter Eisenmann.

### **33. Furniture Construction and Detailing**

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**



Contents:

#### INTRODUCTION TO WOOD and Substitute

Wood as a building material: Identification, selection, application, types of wood, commercial Classification, nomenclature, structure Anatomy and Ultra structure, Conversion figure and natural defects, availability of wood products, wood based panels such as plywood , MDF, HDF, Particle board , pre laminated boards etc .

#### THE BASICS OF FURNITURE CONSTRUCTION & TOOLS

Measurement and measurement systems, Furniture Construction: Drawers, Cadenza, dining chairs, sofa, settee, cots detail. Preparation for finishing, Furniture Materials Specifying timber, finishes etc .

Detailed construction drawings & explaining construction and material finishes.

#### PLYWOOD CONSTRUCTION TECHNIQUES

Plywood as a building material, Layout techniques and machining plans. \_

Fabrication techniques - stapling, gluing.

Furniture Joinery - screw joinery, nail joinery, Mortise & tenon joints, Dovetail joints, Dowel joints, Edge joints.

#### MODULAR KITCHENS

Modular kitchens, components basis of Construction involving, layouts, carcass, hardware selection, fixing details finishes and special types such as tall units, grain trolleys, and carousels fold outs etc.

A detailed project involving the design of a small kitchen using modular components.

#### FURNITURE MODEL MAKING

Preparation of block models of furniture using wood, boards, leather, fabric, thermacol, clay, soap/wax etc.

### Semester VI

#### Internship training for Period of 15 weeks.

Internship experience of working in the professional Interior Designers / Architects / Interior Office, duly enclosed by the principal of the college.

The candidates shall have to produce to the college the certificate, documents of completing the internship from the firm where they worked during training site visit details, documents, drawings, photographs, bills etc. duly signed by trainer for time.

### Fourth Year

### Semester VII

#### 34. Interior Design– VI

Lecture / Studio Hours – **10 periods per week**

Total work hours per semester = **10 x 15 = 150 periods**

Contents:

- 1) One Interior Design problem of complete species with creative outlook (Theatres, corporate offices, computer centres, electronic offices, Industrial Adm. Offices, Shopping malls etc.)

Drawing include :            Presentation drawings  
   Enlarged details drawings, service layout drawings  
   Views etc.

- 2) One time bound problem to theatres, corporate offices, Computer centers, electronic offices, Industrial Adm. Offices, Shopping malls etc.

### **35. Working Drawing – II**

Lecture / Studio Hours – **8 periods per week**

Total work hours per semester = **8 x 15 = 120 periods**

Contents:

- 1) Working drawing and details of Interior Design IV project.
- 2) All furniture, flooring, ceiling, electrical, water supply, drainage, advanced services layouts with details.
- 3) In details of furniture, doors, windows etc of all types with specifications.

The drawings shall be sufficient to understand the design & fulfill the details required for estimation & tender form.

### **36. Professional Practice – I**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

Estimation tender documents, Contract documents, Specialized Services and execution procedure in respect of the Design problem develop under working drawing. I use of software for rate analysis, abstract, billing etc.

Valuation of Interior Schemes.

Introduction, Valuation, Price, Cost Value, Depreciation etc. Types of values & valuations.

### **37. Project Report**

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

Any one interior project completed & having area minimum 300.00 sq.mt. of any type should be studied thoroughly & report should include:

- 1) Synopsis of project
- 2) Two detail case studies with thorough analysis of interior work & conclusions
- 3) Data collections
- 4) Finalization of requirements
- 5) Conclusions
- 6) Solution for space with concept

OR

Detail study of any element of interior with analysis eg. Furniture piece, accessories, colour, elevations, flooring, ceiling, materials etc.

- 1) Synopsis of project
- 2) Two detail case studies with thorough analysis of interior work & conclusions
- 3) Related data collections
- 4) Finalization of importance
- 5) Conclusions
- 6) Application with solution in interior space with concept

Two bound copies with one soft copy shall be necessary to submit before external exam.

### **38. Project Management**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

- 1) Principles of project management as applied in construction industry.
- 2) To study overview of design industry, project phase, scope  
Essence of good working relationship with client & other team members of project
- 3) Concept of project management.
- 4) Application of P.M. tools like CPM, PERT to building & interior projects.
- 5) Cost, control, Quality control
- 6) Project monitoring.
- 7) H.R. in interior industry.

### **39. Interior Design Code**

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

#### FIRE SAFETY CODES

Fire – combustibility – NBC – fire resistant rating of materials – fire fighting requirements – wet riser, dry riser, fire zones, fire escape stair case, fire alarms, smoke detectors and fire lifts.

#### CODES FOR LIGHTING

Measurement of illumination and luminous intensity – day light factor – sky luminance – ERC, IRC – light output ratio – recommended illumination levels for various spaces such as library, class room, garment factory, etc. Energy conservation in lighting.

#### CODES FOR VENTILATION

Ventilation rates – air changes per hour – relative humidity – cross ventilation, stack effect, recommended ventilation rates for kitchen, toilet, etc.

#### CODES FOR ELECTRICAL LAYOUT

Typical electrical layout for a building – location requirement for switch rooms and distribution panels – codes for fan points, power points and light points – PVC sheathed wiring system – protective earthing – earth electrode.

#### CODES FOR BARRIER FREE ENVIRONMENT

Requirement of toilets, corridors, etc. for handicapped persons – wheel chair clearances – ramps for handicapped, etc. according to ISO 9001 Standards

### **40. Elective II**

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

To study a particular subject of students liking in greater details. Students have to choose any one subject from the following & submit data collection & given assignment for the same. Any one.

#### **a) Textile design.**

##### INTRODUCTION TO FABRICS

Fabric, yarn and fiber structure, Fabric structure- woven- warp, weft, selvedge, knitted- course, non-woven, Fabric types and classification- woven, including plain, twill, satin, Jacquard, crepe and pile weaves, knitted- including single knit, double knit, tricot knit, pile knit, lace and net, non-woven-including felts webs and films, identification and properties of fabrics, yarns and fibers.

##### APPLICATION OF ELEMENTS AND PRINCIPLES

Application of elements and principles of design across a range of textiles.

Describe and analyze elements and principles of design -furnishings, textile arts, non-apparel.

Functional and aesthetic requirements and features of textile range.

##### COLOUR ON FABRICS

Fabric coloration and decoration- Principles of applying color to fabrics.

Textile arts and crafts in interiors, traditional and modern materials and methods.  
Preparing samples on tie and die printing, batik printing, appliqué, macramé and braiding.

#### FURNISHINGS

Furnishings-classification, types of curtain, curtain construction, selection criteria relation to backgrounds in walls , floors and ceilings.

Slip covers , cushion covers , bed linen and table linen

Floor coverings -rugs and carpets, types selection , care and maintenance, installation of floor coverings

#### OTHER NATURAL MATERIALS

Jute or hessian – dyed jute fabric and its applications – various kinds of processed leather, its application in interior design.

#### **b) Design Contextual studies.**

#### ENTERTAINMENT SPACES

Study of interiors for entertainment buildings such as clubs, multiplex and amusement parks – schemes for video games parlour, food court areas and exclusive indoor game areas of clubs.

#### EDUCATIONAL SPACES

Study of interiors for class rooms, seminar halls and AV halls – schemes for library, smart class rooms and discussion areas.

#### SPORTING SPACES

Study of interior requirements foe gymnasium, indoor stadium and aquatic complex – schemes for interiors of stadium with focus on lighting requirements and visibility.

#### COMMERCIAL SPACES

Study of interiors in saloons, pubs, discotheque and banks, etc. - schemes for the same.

#### TRANSPORTATION SPACES

Study of interiors for airports, MRTS, railway stations and bus terminals – schemes for the same

### **Semester VIII**

#### **34. Project report- (thesis)**

Lecture / Studio Hours – **30 periods per week**

Total work hours per semester = **10 x 15 = 150 periods**

#### **Elective III**

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

To study a particular subject of students liking in greater details. Students have to choose any on subject from the following & submit data collection & given assignment for the same. Any one.

#### **a) Interior Photography.**

## PRINCIPLES OF COMPOSITION

Rule of thirds, perspective-worm's eye view, normal eye view, bird's eye view, one-point perspective, two-point perspective, three point perspective, exercises in composition

## PRINCIPLES OF PHOTOGRAPHY

Technical definitions, understanding a camera, anatomy of a SLR camera, technical setting in a SLR camera, different types of lenses

## PRINCIPLES OF INTERIOR LIGHTING

Technical definitions, lighting sources, types of lighting fixtures, types of lamps, calculating lighting levels, flash photography, types of flashes, controlling lighting levels with flash photography

Exercise in interior lighting photography with artificial light and black and white photos

## PRINCIPLES OF COLOUR

Color rendering in photographic medium, color rendering in photographs under different lighting condition, lighting colors and its effect on a photograph, color filters in a camera

Exercise on color photography of interiors

## INTEGRATION

Project work/exercise in integrating all prior units

### **b) Marketing Technique.**

#### WHAT IS MARKETING?

Introduction, definition, Organizational conditions and USP, Environmental factors, marketing concept – marketing strategy – marketing tactics, Planning, operation and Implementation.

#### BUILDING A MARKETING STRATEGY

Competitive settings, marketing decisions in a competitive setting, formulating overall marketing strategy, factors in selecting marketing inputs, the three C's of a marketing strategy, Components of a product/market strategy, hierarchy of strategies, how to develop a product/market strategy, finding a suitable market strategy.

#### UNDERSTANDING CUSTOMERS

How marketing influences society – economic aspects, buyers behavior, the environment, how society influences marketing – public opinion and political pressure, legislative action, pitfalls of neglecting customers, management mistakes, benefits of understanding customers, types of benefits, feature Vs benefits.

#### MANAGING VALUE

Components of perceived value, perceived value analysis, measuring perceived value, customer management, role of perceived value in competition, strategic themes, increasing perceived value.

#### ORGANISATIONAL CAPABILITIES AND MARKETING POSITIONING

Analysing competitors, capabilities and market strategies, types of capabilities, evaluating capabilities, competitive advantage and benefit advantage, macro trends, market segmentation, characteristics of market segment, determining a target market, role of segments and target market in marketing strategy, segment identification analysis, segments and decision making, market selection criteria,

types of market segments, what is positioning, competitive advantage analysis, determining positioning, positioning and perceived value.

#### **Elective IV**

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

To study a particular subject of students liking in greater details. Students have to choose any one subject from the following & submit data collection & given assignment for the same. Any one.

##### **a) Interior Acoustic.**

###### **INTRODUCTION TO ACOUSTICS**

Definition, Theory of sound generation, transmission – reception of sound – Terms related to acoustics – sound waves, frequency, intensity, wavelength – measurement of sound.

###### **ROOM ACOUSTICS**

Characteristics of speech – Making of sound – Human ear characteristics – Behaviour of sound in enclosed space – Reverberation, RT, Optimum reverberation, simple exercise using Sabine's formula.

###### **SOUND ABSORPTION, INSULATION, SOUND REINFORCEMENT**

Sound absorption, absorption coefficient and their measurements – sound absorbing materials – sound insulation – materials – sound amplification and sound reinforcement.

###### **NOISE CONTROL**

Sources and types of noise – effect on human behavior, noise curves, transmission of noise – noise control – materials and techniques.

###### **ACOUSTICS IN BUILDINGS**

Design and detailing – Basic principles in designing of lecture halls, auditorium theatres, cinema halls, broadcasting studio, recording studio.

##### **b) Creative art and craft.**

###### **INTRODUCTION TO CREATIVE ARTS AND CRAFTS**

Introduction to creative arts and crafts in India – its application in interior design – materials – Art movements through history – Traditional arts and crafts of India – Folk arts of India

###### **TRADITIONAL ARTS AND CRAFTS OF INDIA**

Traditional arts and crafts of various states of India including – Tamilnadu, Karnataka, Kerala, Andhra Pradesh, Goa, Rajasthan, Gujarat, Kutch, Uttarpradesh, West Bengal, Orissa, Bihar, Jammu and Kashmir, etc.

###### **ART MOVEMENTS IN POST MODERN INDIA**

Art Movements in Post Modern India and their influences in Interior design – Abstract Expressionism, Pop art, Minimal art, Conceptual art – Neo Expressionism – Computers in Arts.

###### **CREATIVE ART OBJECTS**

Creating decorative art objects – picture framing, macramé, decoupage, wall hangers, ceramic painting, murals etc

## PROJECTS

Assignment or projects on application of the Art in interior spacesuch as –  
Reception, Lobby spaces, Theme Boutiques, Hotel, Restaurants, etc.