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# SHIVAJI UNIVERSITY, KOLHAPUR.

Revised Syllabus of

**(Bachelor of Interior Design)**

**(B.I.D. PART-I Sem –I & II )**

To be introduced from the academic year 2010-11  
(i.e. from June 2010 ) Onwards

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

# **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 three 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 / Interior contractors / Civil contractors 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 year 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.

Not withstanding 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 Ad-hoc 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.

## Three 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  
-----
- C. In Addition One & Half months full time internship per year to fulfill 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 / Interior contractors / Civil contractors office during Internal Assessment of the second term of third year.

## 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

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

The examination will be held by the University and no candidate will be admitted to this examination unless she has kept two terms in such a college and unless she produces certificate from the Principal of the college :

- i of having completed the minimum amount of units in Theory and Studio practicals as prescribed in the syllabus.
- ii of having attended at least three fourth of the total period of lectures in theory and at least three fourth of the total period devoted to Studio practicals.
- iii of having submitted the required number of tutorials and studio Assignments (Sessional work).

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

- A. The Second year examination leading to the BID will be held by the University and 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 examination leading to the degree and unless she produces from the Principal of the College a certificate as per quoted in BID (first year).
- B. Diploma Course in Interior Design or Architecture, DCE, DEE, DME of (10+3) years duration conducted by Board of Technical Education or any other Government Recognized Authority of any state.

- C. The candidate who have passed H.S.C.(10+2) of Maharashtra state board S.& H.S. Exam. or equal and completed full time Diploma in Interior Design (10+2) or equivalent course conducted by Board of Technical or Vocational Education or any other Govt. Recognized Authority of any state with one year full time professional experience shall be admitted to second year Bachelor of Design course.

**B.I.D.- ( Third year) :**

- A. The Third year examination leading to the BID will be held by the University and 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 Second year examination leading to the BID and unless she produces from the Principal of the College a certificate as per quoted in BID -first year.
- C. Diploma Course in Interior Design and Decoration of [10+2+2] years duration recognized by any University or Board of any state. In addition two months full time or six months part time (including university holidays) in Professional Interior Designers / Architects / Interior contractors office before the end of the third year BID course.

**Duration and Stages of the Course:**

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

**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 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 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.

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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.

**4. Principal**

Masters degree in Architecture or Interior Design with 10 years Full Time teaching experience in Interior or Architecture college.



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

## Structure & Scheme of Examination

### First Year BID *Semester – I*

Sr. No.	Subject	Duration of Paper in hours	Paper Marks	Sessional Marks		Total Marks
				Internal	External	
1.	Graphics – I	3	100	25	--	125
2.	Aesthetics - I	3	50	25	--	75
3.	Technical Skills- I	3	50	25	--	75
4.	Communication Skills	3	50	25	--	75
5.	Interior Design – I	--	--	60	40	100
6.	Computer- I	--	--	50	--	50
Total Marks of Semester – I, F. Y. B.I.D.						500

### First Year BID *Semester – II*

Sr. No.	Subject	Duration of Paper in hours	Paper Marks	Sessional Marks		Total Marks
				Internal	External	
1.	Graphics – II	3	100	25	--	125
2.	Aesthetics –II	3	50	25	50	125
3.	Technical Skills- II	3	50	25	--	75
4.	Professional practice – I	3	50	25	--	75
5.	Interior Design – II	18	100	60	40	200
6.	Computer- II	--	--	50	50	100
Total Marks of Semester – II, F. Y. B.I.D.						700
Total Marks of F. Y. B.I.D.						1200

**Note :-** Passing marks for examination papers will be 40% and for Sessional work the passing marks will be 50% of the total marks.

### Second Year BID *Semester – III*

Sr. No.	Subject	Duration of Paper in hours	Paper Marks	Sessional Marks		Total Marks
				Internal	External	
1.	Graphics – III	3	100	25	--	125
2.	History of Interior –I	3	50	25	--	75
3.	Technical Skills- III	3	50	25	--	75
4.	Estimation & costing –I	3	50	25	--	75
5.	Interior Services – I	3	50	25	--	75
6.	Interior Design – III	--	--	60	40	100
7.	Computer- III	--	--	50	--	50
Total Marks of of Semester – III, S. Y. B.I.D.						575

### Second Year BID *Semester – IV*

Sr. No.	Subject	Duration of Paper in hours	Paper Marks	Sessional Marks		Total Marks
				Internal	External	
1.	Graphics – IV	--	--	50	--	50
2	History of Interior –II	3	50	25	--	75
3.	Technical Skills- IV	3	50	25	--	75
4.	Estimation & costing –II	3	50	25	--	75
5.	Interior Services – II	3	50	25	--	75
6.	Interior Design – IV	18	100	60	40	200
7.	Computer- III	--	--	50	50	100
Total Marks of of Semester – IV, S. Y. B.I.D.						650
Total Marks of S. Y. B.I.D.						1225

**Note :-** Passing marks for examination papers will be 40% and for Sessional work the passing marks will be 50% of the total marks.

### Third Year BID *Semester –V*

Sr. No.	Subject	Duration of Paper in hours	Paper Marks	Sessional Marks		Total Marks
				Internal	External	
1.	Interior Design – V	--	--	60	40	100
2.	Working Drawing - I	--	--	60	40	100
3.	Interior Services-III	3	50	25	--	75
4.	Professional practice -III	3	50	25	--	75
5.	Contemporary Interiors	3	59	25	--	75
6.	Finance Management	3	100	25	--	125
7.	Project report	--	--	50	--	50
8.	Elective	--	--	50	50	100
<b>Total Marks of of Semester – V, T. Y. B.I.D.</b>						<b>700</b>

### Third Year BID *Semester –VI*

Sr. No.	Subject	Duration of Paper in hours	Paper Marks	Sessional Marks		Total Marks
				Internal	External	
1.	Interior Design – VI	18	100	60	40	200
2.	Working Drawing - I	--	--	60	40	100
3.	Interior Services-IV	3	50	25	--	75
4.	Professional practice –IV	3	50	25	--	75
5.	Marketing Management	3	100	25	--	125
6.	Project report	--	--	50	50	50
7.	Seminar reports	--	--	50	--	50
8.	Practical Training	--	--	--	50	50
<b>Total Marks of of Semester – V, T. Y. B.I.D.</b>						<b>725</b>
<b>Total Marks of T. Y. B.I.D.</b>						<b>1425</b>

**Note :-** Passing marks for examination papers will be 40% and for Sessional work the passing marks will be 50% of the total marks. --+ .  
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# Subject Syllabus

FIRST YEAR

## Semester – I

### 1. GRAPHICS – I :

Lecture/ Studio hours : 6 periods per week

Total work hours per semester : 6 X 15 = 90 periods

#### Contents:-

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

### 2. AESTHETICS -I :

Lecture / studio : 6 periods per week

Total work hours per semester : 6X15 = 90periods

#### Contents :

##### A. Elements of Design :

Elements of Design – Point, Line, Shape, Form, Colour, Texture, Light, Time  
Geometry of Design  
Optical Illusion  
Application in Interior Design topics.

**Colour planning :** Visual Effects, Psychology, Applications types of colour  
different schemes & its uses in interior.

**Texture Planning :** Visual Effects, Psychology, Applications types of Texture  
different schemes & its uses in interior.

**B. Interior Designer & Decorator :** Difference between Designer and decorators.

### 3. TECHNICAL SKILLS – I :

Lecture / studio : 6 periods per week  
Total work hours per semester : 6X15 = 90 periods

#### Contents :

1. Introduction to timber joinery
2. Brick – types of masonry & its application for interior
3. Stone – types of masonry & its application for interior
4. Plastering and pointing
5. Flooring : Natural Stone, Mosaic Tiles, Insitu, Ceramic Tiles.
6. Materials & market survey – building boards, brick, stone, timber

### 4. INTERIOR DESIGN - I

Lecture / studio : 10 periods per week  
Total work hours per semester : 10X15 = 150 periods

#### Contents :

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

### 5. COMPUTER - I

Lecture / Studio : 4 hour  
Total work hours per semester : 4 X 15 weeks = 60 hours

#### Contents :

- Computer concept
- Introduction to computer
- Development in the computers.
- History of computers – Modern History – the computer generations.
- System Organization :
  - Binary code – software and hardware
  - Data and programme organization logical and physical
  - Ports, CPU, ALU, CU etc.
  - RAM and ROM, Memory math co-processor
  - Main memory, Auxiliary memory
- Peripheral device :
  - Input devices, Output devices
- Computer Classification
  - Digital, Analog, hybrid, microcomputers (PC), Miniframe and mainframe.
- Brief introduction of software and languages
  - System softwares, application softwares

- High level languages, low level languages
- Computer Aided Drawing & its introduction & application (theory)
- Basics of CAD for drafting purpose.

## 6. COMMUNICATION SKILL

Lecture / Studio : 4 hour

Total work hours per semester : 4 X 15 weeks = 60 hours

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

### References :- Communication Skill

1. Write better, speak better ( Reader's digest Publication)
2. Building your Vocabulary – John G. Gilmartin
3. Instant Vocabulary – Gopal K. Puri.
4. Contemporary English Grammar, Structure & Composition. David Green (Macmillan & Co Ltd.)
5. Tiger's Eye – Alan Mc Connell Duff. (Oxford University Press)
6. J. D. O. Connor UBS Better English Pronunciation.
7. Dianna Booher – Ewriting - 21<sup>st</sup> century  
Tools for effective communication pocket books.  
Simon & Schuster inc. JSBN – O 7434- 1258-3
8. Ashi Hi Inragi ( Marathi) Prof. N. D. Apte Rajhans Prakashan Pune.
9. Osborn Michael/ Osborn Suzane. Public Speaking, Biztantra, New Delhi.
10. Durodula Sahrolyn P. Learn Reading- Anmol Publications Pvt. Ltd., New Delhi.
11. Narula Uma, Business Communication Practices- Modern Trends, Atlantic Publishing House, Mumbai.
12. Kumar Keval. J, Mass Communication In India, Jaico Publishing House, Mumbai.
13. Information and Communication Technology by Abdul Mannan Himalaya Publishing House, Mumbai.

## 1. GRAPHICS – II : (FIRST YEAR)

Lecture/ Studio : 6 periods per week  
Total work hours per semester : 6 X 15 = 90 periods

### Contents:-

1. Sketching
2. 3 D projections ( Isometric, Hexanometric, Axonometric )
3. Rendering in 2D & 3D
4. Block model making.
5. 3 D projection view of interior design II topic.
6. rendering

## AESTHETICS - II :

Lecture / studio : 6 periods per week  
Total work hours per semester : 6X15 = 90 periods

### Contents :

#### A. Principles of Design :

Balance , Proportion, Mass, Harmony & Diversity, Center of Interest, Repetition, Gradation,

#### B. Emphasism of Design :

Application in Interior Design topics.

#### C. Aesthetics of Furniture & Furnishings : Trends & Study of historical pieces, different styles & developments (introductory only).

#### D. Ergonomics in Interior designing.

## TECHNICAL SKILLS – II :

Lecture / studio : 6 periods per week  
Total work hours per semester : 6X15 = 90 periods

### Contents :

1. Stair Case – Terminology, types of stair cases (function wise ), timber staircase in detailed, décor treatments to R. C. C. staircase.
2. Doors – terminology, types of doors – timber paneled, ply/block boards flush doors, timber battened door.
3. Window – Glazed, paneled timber windows, Aluminum, M. S. Windows
4. Building Drawing and terminology of Architecture
5. In-built / wood / building boards / furniture items constructions and terminology of different components.

6. Materials & market survey : - cement, mortar, concrete, metal (ferrous & non ferrous), glass etc.

## INTERIOR DESIGN – II

Lecture / studio : 10 periods per week  
Total work hours per semester : 8X15 = 120 periods

### Contents :

- Furniture Design - single items (Residential & Commercial).
- Furniture Design –group of furniture elements along with the surroundings.
- One design problem of multi activity residential single room design including case study & area maximum 50 Sq.mt.

## COMPUTER - II

### Contents :

- 2 D CAD all commands
- Interior Design - I topic plans without presentation
- Students are expected to draw simple figures in 2- D using preliminary draw and edit commands as sessional work.

## 6. PROFESSIONAL PRACTICES - I

Lecture hours : 2 periods per week  
Total work hours per semester : 2 X 15 = 30 periods

### Contents :

#### A.

- Interior Designer
- Characteristics of a proper interior designer
- Necessity of an interior designer
- Interior designer's role towards execution of project
- Fees of an Interior designer
- Ethics & professional conduct of conduct for interior designer
- Self development of an interior designer
- Job procurement and public relations.
- Recording, Documentation of projects.

- B. Business Correspondence. Public relations, meetings & seminars, conferences, ability of conveying an idea to lay man.

## SECOND YEAR

### GRAPHICS – II :

Lecture hours : 1 hour  
Studio hours : 3  
Total : 4 hours per week  
Total work hours per year : 4 X 30 weeks = 120 hours

**Contents :**

1. Proficiency in 3D drawings
2. Perspectives with measuring point methods.
  - a) One point three wall
  - b) Two point two wall
  - c) Two point three wall
  - d) Planometric
3. Sciography in 2D & 3D drawings for Interior Schemes
4. Model making of interior scheme.
5. Presentation drawings with different media.

**HISTORY OF INTERIOR**

Lecture hours	:	2 hour
Studio hours	:	4
Total	:	6 hours per week
Total work hours per year	:	6 X 30 weeks = 180 hours

**Contents :**

1. Significance of Furniture
2. Prehistoric and Indigenous design
3. History of furniture in the Ancient world.
4. History of furniture in the middle ages
5. Furniture development in – Italy, France, England
6. History of the 20<sup>th</sup> century
  - Eclecticism
7. Neoclassicism
8. Recent directions
  - Late modernism
  - High loch
  - Post modernism
9. Non-European Traditions

**TECHNICAL SKILLS- II**

Lecture hours	:	2 hour
Studio hours	:	4
Total	:	6 hours per week
Total work hours per year	:	6 X 30 weeks = 180 hours

**Contents :****A.**

- Partitions : Single skin and double skin, Traditional and Innovative with composite materials
- False Ceiling : In plaster of paris, other innovative materials, construction terminology and details.



- Paneling & Cladding : Timber framed with building board paneling, Stone for paneling and cladding, cladding with other innovative materials.
- Door : Rolling shutter, Collapsible door, Sliding/Folding/revolving/pivoted door, Innovative door designs.
- Mezzanine : Timber flooring, composite materials, construction and details,
- Staircase : Innovative composite material staircases for interior.
- Introduction of Lift and escalators (technology)

## **B. Materials**

- Paints and varnishes
- Ceramic products
- Upholstery/ curtains/carpets
- Drapery and its fixing types / types of venation blinds
- P. V. C. floorings, rexine, plastic
- Thermal and sound insulation materials.

## PROFESSIONAL PRACTICE & MANAGEMENT - I

Lecture hours	:	2 hour
Studio hours	:	2
Total	:	4 hours per week
Total work hours per year	:	4 X 30 weeks = 120 hours

### Contents :

- Office management for professional Interior designer
- Site management for professional Interior designer
  - CPM, PERT, Bar Chart
- Arbitration and the legal aspects of the contract and contract documents.
- Tender, contract, Billing, certificates of payments, clerk of works.
- Quantity survey, Rate analysis
- Specification : detail specification writing, specifications for tender documents.
- Agreements : client to interior designer / client to contractor
- Rate analysis : required for tender documents.

Studio Work : Estimation of residential interior scheme, minimum one project multi-itemed)

## INTERIOR SERVICES - I

Lecture hours	:	2 hour
Studio hours	:	2
Total	:	4 hours per week
Total work hours per year	:	4 X 30 weeks = 120 hours

### Contents :

- Sanitation : Sanitary fittings, and fixing methods, different materials, different drawings, systems and disposal methods, sanitary layout of different interior schemes.
- Water supply : Different materials and fittings, Hot and cold water supply and its techniques under ground and overhead tanks, water supply layouts of different interior schemes.
- Electrification : Light, lighting design, light sources and listeners, natural light, artificial light, Electronic communication wiring. Generator / battery backup system, graphical symbols of electrical layout.
- Fire Protection : Definition, structural fire precaution, rules, fire resistance, fire fighting, equipments and detection alarms, sprinklers etc. Fire resisting, retarding materials, means of escape, staircase lifts.

## INTERIOR DESIGN - II

Lecture hours	:	2 hour
Studio hours	:	6
Total	:	8 hours per week
Total work hours per year	:	8 X 30 weeks = 240 hours

### Contents :

1. One hall scheme of residential interior having maximum types of residential activities (up to two bedroom unit).
2. One commercial interior problems having area from 100 to 200 sq.mt.
3. One time problem of commercial interior having area from 50 to 100 sq. mt.

## COMPUTER - II

Lecture hours	:	1 hour
Studio hours	:	3
Total	:	4 hours per week
Total work hours per year	:	4 X 30 weeks = 120 hours

### Contents :

- Microsoft Windows
  - Introduction to windows used and importance.
  - Comparison with DOS application
  - Use of pointing device style/types
  - Parts of windows
  - Concept of tab work in windows
  - Concept of data interchange
- CAD and its Advanced Application
  - Creating and organizing 2D drawings
  - All 2D dimensional drawing commands
  - All 2D dimensional edit commands
  - Inquiry commands
  - Settings for drawing
  - Concept of layers, line types
  - Dimension
  - Drawing and different scales
  - Introduction to block and its applications.
  - Text and fonts
  - Out put of the drawing through printers or plotters (Print :Plot)
  - Different setting of drawing and mode etc.
  - Hatch, its patterns

- **Drawing with the use of above commands are expected as a sessional work**
  - AutoCAD and its Advance commands
  - Application of block and concept of symbols library
  - Dimensions types and variables
  - Attributes
  - Data extraction
  - All display command
  - Concept of surface development
  - 3 dimensional drawings
  - Slides
  - Script file and its applications
  - Shading and rendering
  - Introduction to AME
- Introduction of other drafting and presentation softwares like Auto Architect, Home Architect, Auto Desk, Arch CAD, Auto Lisp, Auto Shade, 3D Home, Corel draw, 3D Studio, Paintbrush, and their applications.
- 3D presentation drawings (Rendered image) with the use of above softwares shall be done as a sessional work.

### **Market Survey :**

- 90 Hrs per year for field work & Studio
  - False ceiling material
  - Paints
  - Upholstery
  - Accessories
  - Miscellaneous items
- Study of different material available in the market and its mode of measurements, rates, physical and chemical properties.

### **Case Study :**

- 90 Hrs per year for field work & Studio
  - Case study Report and photographs of interior design – II problem.

## **Finance & Marketing Paper – I**

### **Finance - Paper – I**

#### **Maintenance of Books of Account etc. by a professional**

##### **Requirement to maintain books of Accounts**

- Accounting Process
- How Ledger is written
- Penalty for Non- Maintenance of Books of Accounts etc.

### **System of Accounting : Cash system for professional**

- Mercantile system of accounting
- Cash system of accounting
- Mixed or Hybrid system of accounting

### **Primary records to be kept and maintained by a professional**

- Bill / Receipt for income
- Bills / Receipts / Vouchers for expenses.

### **How – Cash – Book is written**

- Receipts
- Payments
- Classification of Expenses
  1. Professional and non-professional or personal expenses.
  2. Capital expenses or revenue expense
  3. Personal expenses
  4. Non-personal expenses.

### **Marketing - Paper- I**

#### **Marketing**

- Introduction
- Difference between Marketing & Selling
- Concepts, Philosophies, Process & Functions.

#### **Marketing Environment**

- Internal Environment
- External Environment

#### **Marketing Research**

- Meaning
- Procedure
- Importance

#### **Consumer Behavior**

- Meaning & Importance
- Factors influencing buying behavior

#### **Marketing Mix & its elements**

- Meaning & Importance

#### **Market Measurement & Forecasting**

- Meaning, Importance, Types
- Advantages & Limitations

## **Direct Marketing**

- Introduction
  - Importance
  - Direct Marketing Mix
- 

## **THIRD YEAR**

### **INTERIOR DESIGN – III :**

Lecture hours	:	2 hour
Studio hours	:	7
Total	:	9 hours per week
Total work hours per year	:	9 X 30 weeks = 270 hours

#### **Contents :**

Two Interior Design problems of complete species with creative outlook.  
(Five star hotels, resorts, hospitals, theatres, Corporate offices, computer centers, electronic offices, Industrial administrator building interiors etc.)

Drawings include – presentation drawings, Enlarge detail drawings, services layout drawings.

Area of Interior project should be @ 500.00 sq.mt.

#### **Theory Examination Procedure**

Marks : 100

Duration : 18 hrs. (6+6+6 hrs.) three days.

- The title of the problem will be declare 8 days before the date of interior designing – III examination.
- At the end of the first day the preliminary sketches should be collected and which will not be returned on the next day.
- Remaining answer book should be collected as the end of third day (after 18 hrs.)

### **WORKING DRAWING :**

Lecture hours	:	2 hour
Studio hours	:	7
Total	:	9 hours per week
Total work hours per year	:	9 X 30 weeks = 270 hours

#### **Contents :**

**Examination Tender documents, contract documents, specialized services, and execution procedure in respect of the Design problem developed under working drawing.**

Reports, notes and proceedings of business, meetings, appreciative writing.  
Knowledge of insurance requirements, tax liabilities and valuations of interior schemes.  
Accounts and book keeping and tax liabilities for a practicing interior designer.

## CONTEMPORARY INTERIORS :

Lecture hours	:	2 hour
Studio hours	:	7
Total	:	4 hours per week
Total work hours per year	:	4 X 30 weeks = 120 hours

### Contents :

- Introduction
- Design basics
- Historical background
- Technology of furniture
- Design
- Contemporary furniture
- The future

## PROJECT REPORT :

Lecture hours	:	3 hour
Studio hours	:	3
Total	:	4 hours per week
Total work hours per year	:	3 X 30 weeks = 90 hours

### Contents :

Any one interior project completed within last 10 years and having area minimum 100.00 sq. mt. of any type should be studied thoroughly and the report should include

1. All drawings
2. Photographs
3. Sketches
4. Analysis
  - of functions
  - of material and technique
  - of style
5. Alternative solutions

OR

1. Detail study including case study of any element of interior with analysis.  
e.g. furniture piece, accessories, colour, elevations, flooring etc.
2. Alternative Solutions

### COMPUTER – III :

Lecture hours	:	2 hour
Studio hours	:	2
Total	:	4 hours per week
Total work hours per year	:	4 X 30 weeks = 120 hours

#### Contents :

### **Use of advanced software and techniques and proficiency in 2D & 3D drawings.**

#### Assignments :

Any one design problem

- 2 D & 3D drawings
- Estimation
- Tender documents
- Billing to completion certificates

### SEMINAR REPORTS :

Studio hours	:	3
Total	:	3 hours per week
Total work hours per year	:	3 X 30 weeks = 90 hours

#### Contents :

- Any topic related to interior subject (minimum 5 topics in a year) should be presented to the jury committee of staff members.
- The subject should have analytical study of selected topic.

### Finance – Paper - II

#### **Preparing Final Accounts**

- Profit & Loss Account
- Balance Sheet
- Depreciation on Assets

#### *Cost Concepts*

- Basic cost concepts
- Introduction & Cost classification
- Allocation, Apportionment, Absorption and Cost contents.



## **Tax & Investment Planning for Architects / Interior Designer**

- Tax on Income
- What is Income – Tax

### **How Architect / Interior Designers income from profession is computed**

- Income from business and deductions
- While determining the profit from ----- or industrial activity.
- Deduction allowable while determining the income from business or industry.

## *Marketing – Paper – II*

### **Competition Analysis**

- Introduction
- Factors contributing to enhance inter firm rivalry frame work for competitors analysis.

## *Marketing Planning and Market Segmentation*

- Introduction
- Steps
- Importance
- Limitations

## *Selling and force Management*

- Meaning (Primary & Secondary)
- Responsibilities of the sales person
- Role of the Sales person
- Qualities of Sales Person
- Recruitment, Training of the sales person

## **Advertisement and Sales Promotion**

- Meaning & Importance
- Role of Advertisement and Sales promotion in Marketing.

## **International Marketing**