

# BACHELOR OF DESIGN.

## REVISED SYLLABUS OF FINAL YEAR

### INTERIOR DESIGN

<b>ID173636</b>	<b>DESSERTATION II.</b>
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**TEACHING SCHEME:** Total contact period per week - lectures 2 + studio 6 = 8

**EXAMINATION SCHEME:**

**Paper: Nil**

Oral: 50

Sessional Assessment: 50

**Aim:** This subject is to be seen as a link between dissertation I and graduation project. It shall help the students to define the graduation project synopsis, based on the research undertaken by the students in dissertation I. (In case of design brief given by the client on some live project, identified by the student, the brief shall be reviewed to ensure it qualifies for the scale of the graduation project and the relevant research should be undertaken by the respective student).

**Objective:**

1. To enable the student to define the aim, objective, scope, and limitations of the project in the form of a well-articulated synopsis to define and understand the complexity of the graduation project.
2. Synthesis of data, interpretation of data collected, fact analysis, and putting it in the required format of the report, so as to define the need of the selected topic.
3. To enable them to understand the design opportunity in the chosen project topic, and research done.

**Course outline:**

1. Finalizing and taking ahead the topic already selected and worked upon in dissertation I. By research. Research by reading, collecting information by interviews and collecting information. Establishing the statistics. Etc.
2. Learning various data collection techniques and methods.  
Data collection and analysis (3 weeks) through surveys, reports or market research. understanding the data collected and method of analysis suitable for data collected, graphical, numerical, descriptive, etc.
3. Selection of various case studies, their documentation and the analysis of the same.
4. Understanding the feasibility of design in the selected thesis topic through the process.
5. Presentation of data (2 weeks), report quantifiable and qualitative data, drawings etc.
6. Report preparation... (2 weeks).

**Assignment :**

1. Students shall submit a copy of the report duly signed by the subject teacher.
2. The report shall consist of systematic sequence including.
  - a) Initial pages:

- 1.)title page,
  - 2.) acknowledgement,
  - 3.) table of content.
- b) Body of the report :
- 1.) introduction,
  - 2.) methodology,
  - 3.) literature / historical development / research.
  - 4.) technological advancement.
  - 5.) data analysis and findings.
  - 6.)conclusions and synopsis.
- c) Bibliography .
- 3.) Formatting the report.

**Recommended readings**

Books relevant to the topic selected.

<b>ID173637</b>	<b>PROFESSIONAL PRACTICE.</b>
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**TEACHING SCHEME:** Total contact period per week - lectures 2 + studio 2 = 4

**EXAMINATION SCHEME**

Paper: Nil.

Oral: Nil.

Sessional Assessment: 50(Internal)

**Aim :** To introduce students to the profession of interior design.

**Objective:**

1. To help the students to understand the profession ,its ethic and its conduct.
2. To understand the importance, duties and responsibilities of the designer , and the other team members and society.
3. Understanding the office of a designer, its working etc .

**Course outline:**

1. Introducing students to the profession of interior design profession, ethics , personal goal setting, and mission.
2. Ethics in business environment , responsibility to the public ,client, responsibility of the interior designer , colleague, profession, employer.
3. Interior design contest.
4. Professional practice ,the client practice , procedure of execution, arbitration etc.
5. Interior designers role , office , office maintenance, accounts etc,
6. How to establish an interior design practice. Planning a new interior design practice. , advice and counsel, assistance. Agencies. Consultants. Entrepreneurs. Consultants. Proprietor. Partnership . working alone, equipping the office , studio etc.
7. Business of interior design. Organizational management. Legal responsibilities. Planning. Managing business finance.
8. Design fees, remuneration ,design contract.
9. Project management.
10. Professional bodies and associations in india and abroad. IIID ( Indian insttitie of interior designers) , ASID ( American society of interior design), IIDA ( international interior design association ) , IDC etc. importance and advantages of being a part of the professional bodies.

**Assignments**

1. Journal writing.

**Recommended readings:**

1. COA , manual of council of architecture.
2. Professional practice for interior design by : Christine.M. Piotrowski.
3. Interior design by Ahmed Kasu.
4. Professional practice by ; Roshan H. Namavati.
5. Designing your business strategies for interior design professionals by: Gordon .T. Kendall.

<b>ID173638</b> <b>CONSTRUCTION TECHNOLOGY –V.</b>
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**TEACHING SCHEME:** Total contact period per week - lectures 2,studio 6 = 8

**EXAMINATION SCHEME:**

Paper: 00

Oral: 50

Sessional Assessment: 50(internal)

**Aim:** This subject aims at introducing students to advance construction techniques , more related to the exteriors or the external envelop of the building than interiors , so that the students understand the relationship and the overlap of architectural elevations ,fenestrations , weather sheds, façade treatment and interiors in certain or specified interior design projects.

**Objectives:**

1. To introduce the students to the elevational aspect of a interior design projects and understanding the exterior architecture of a building.
2. To understand the elevation /façade of a building ,its treatment ,character ,material used , security aspect etc.
3. To understand to, respect the architecture and heritage value of an existing building.
4. General and basic introduction to the urban design value of an area , or precinct ,so as to understand the expression of that area and respect the same.
5. Introducing terms like, architectural elevation ,heritage ,conservation ,façade treatment etc.

**Course Contents:**

1. Introduction to the exterior elevations of the building ,and façade treatment as an aspect of interior design project, by doing case studies .understanding various materials that can be used for façade treatments like cladding materials, composite panels, structural glazing etc.
2. Understanding weather sheds , canopies , chajjah, etc as a weather protection to building entrances and a crucial part of elevations of the buildings , using various materials ,like m.s structure , etc and covering materials like manglore tiles, sheets etc.
3. Sign boards, neon boards etc in commercial elevational treatment, their making , materials used and related details.
4. Façade lighting as an inseparable part of façade treatment .
5. Security of the premise , using rolling shutters and collapsible gates automatic openable shutters , using sensor technology wind curtains etc
6. Covering open and semi open spaces , etc.
7. Understanding heritage , and heritage value of the precinct and city , in order to respect the same, understanding conservation , and its importance during renovation of the old buildings or in certain heritage precinct.etc

**Assignments**

1. Journal writing on all the above topics along with related sketches.
2. Documentation and Market survey of related topics.
3. Sessional work includes , designing an elevation considering all the aspects mentioned above of the design project they have done. And detailing the same.

**Recommended readings :-**

1. Building construction by W.B.Mckay.
2. Interior design , Ahmed Kasu.

**TEACHING SCHEME:** Total contact period per week - lectures 2+ studio 3= 5

**EXAMINATION SCHEME**

Oral: 50

Sessional Assessment: 50(Internal).

**Aim:** To impart the knowledge and skill required for understanding the Building services, and acoustics. And integration of smart systems in interiors.eg. CCTV , sensor technology.

**Objectives:** To acquaint students to the concept and science of services in architectural building interior, by introducing them to the basics of acoustics and its application in design. So that this aspect of sound enhancement and insulation is considered in the process of designing itself. To make students aware of sound pollution , noise etc and its importance in today's context.

**Course Content:**

A.) INTRODUCTION TO ACOUSTICS.

1. Introduction to the basics of acoustics , need of acoustics , theory of sound ,vibration, frequency , wavelength and velocity of sound.
2. Pioneers of this theory , and their contribution, history of acoustics ,its relevance and application.
3. Frequency range of sound and human ear and its sensitivity.
4. Sound intensity , pressure, power, loudness perception and sound level meter.

B.) INTRODUCTION TO ROOM ACOUSTICS.

5. Introduction to room acoustics , sound reflection , diffraction ,dispersion, reverberation time, reverberation time calculations . sabine's equation.
6. Acoustics for lecture rooms . constructional and planning measures for good acoustical design of auditorium.
7. Acoustical defects and remedies
8. Specific consideration for multipurpose hall , theatre and recording studio.

C.) ACOUSTICAL MATERIALS AND ITS APPLICATION.

9. Sound isolation , reduction, insulation.

D.) NOISE AND NOISE CONTROL.

E.) SOUND REINFORCEMENT SYSTEMS.

10. Basic elements. Central and distributed loudspeaker systems.

F.) Understanding integration of smart systems like CCTV and its networking, sensor technology and its application in interior spaces like self closing and opening doors using sensor technology. Air curtains . And similar technological advancements , and its application in the profession of interiors.

**Assignments**

1. Journal writing on all the above topics.
2. Report on site to acoustical treated spaces.
3. Market survey on materials available for sound insulation.
4. Sessional work consist of designing acoustics for a room ,eg. lecture room , conference room,class room etc, by doing the basic calculations.

### Recommended readings :-

1. Architectural acoustics and illumination. By: Dr. R.G.Edkie.
2. Interior design by: Ahmed. A. Kasu.
3. Concepts in architectural acoustics by: M. Davidegan.
4. Acoustics and sound insulation by: Eckard Mommerts, Dr.Ing Muller BBM.plg engg.

**TEACHING SCHEME:** Total contact period per week - lectures 3 + studio 11 = 14

**EXAMINATION SCHEME:**

Paper: Nil

Oral: 50

Sessional Assessment: 100(Internal), 50(external).

**Aim:** To equip students to handle interior designing and space planning of complex projects , volumetrically. With major emphasis on the application and integration of services in the design.

**Objectives:**

1. To enable students to handle and design complex spaces approximately ( more than 2000.0 sq.ft and less than 5000.00 sq.ft).
2. To integrate multiple functions and their services ,( water supply drainage, electrical, HVAC, and acoustics) to understand services as a inseparable part of interior spaces,
3. To introduce students to the aspect of conservation, as an inseparable part of architectural interior spaces , respecting the structure and also to the concept of adaptive reuse of the spaces.
4. General awareness of urban design aspect of our now highly revolutionized urban spaces . urban lifestyle , and its impact on our architectural interiors as well as exteriors.

**Course Contents:**

**Design parameters :( Area : not more than 5000.0 sq.ft and not less than 2000.00 sq.ft)**

1. Designing of spaces as offices ( zonal office, offices in government sectors , or creative consultancies etc.) hospital design, luxurious residences..
2. Understanding function and space planning , of all the elements of interior space.
3. Revival of old buildings ,structures or spaces .Respecting their structure, character or unique features , or construction technique to conserve the same etc.
4. To introduce to the students the aspect of conservation to understand urban design, urban spaces so as to develop the awareness in them , so that they understand the urban spaces historically and design the spaces without disturbing the character of the city scape , or the urban fabric. Understanding heritage and heritage buildings.
5. Tintegrating and applying the knowledge of services to the deign.
6. Color, material palettes etc.

**Assignments:**

1. Portfolio consisting of ,Proposed site plan. Plans showing proposed interior layouts at all the floor levels.
2. All side elevations , façade treatment etc.
3. Proposed false ceiling detail .
4. Proposed services, ( water supply and drainage, electrical , HVAC, and acoustics.0
5. All relevant and needed blown up details.
6. 3d or perspective drawings.
7. Colour combinations and material palette , proposed.

### Recommended readings:

1. Basic design and anthropometry by Shirish Vasant Bapat.
2. Interior design by Ahmed Kasu.
3. Principles
4. Elements of Design and the Structure of Visual Relationships, H. G. Greet and R. R. Kostellow,
5. The measure of men and women – human factors in design by Allvin R. Tilley and Henry Dreyfuss and associates.
6. Visual Dictionary of Architecture by D. K. Ching.
7. Interior design by Ahmed Kasu
8. Interior design by D.K. Ching
9. Time savers standards of interior design
10. Neuferts standards.



<b>ID173641..A. INDUSTRIAL TRAINING.(TRAINING)</b>
<b>ID173641..B INDUSTRIAL TRAINING.(ASSESSMENT)</b>

**TEACHING SCHEME:** Total contact period per week – Lecture 1 Studio 0

**EXAMINATION SCHEME:**

Paper: Nil

Oral: 75

Sessional Assessment: 75(internal)

**Aim:** This subject of industrial training aims at , imparting a period of 90 days of industrial training to the students so as to enable them to undergo practical training , so as to gain exposure and the feel of the professional practice and get hands on experience.

**Objectives**

1. To give the student direct exposure and experience of dealing with the execution and implementation of design of various typologies, on site and at the site.
2. To enable students to understand the science and skill of project management , resource management, and execution challenges , so as to enhance their ability to think comprehensively and prepare them to face the professional challenges..
3. To help student , to complete and excel at the handling of their graduation projects independently .

**Course outline**

1. This period for the industrial /practical training will commence in the seventh semester of the fourth year immediately after the completion of the eight weeks of the conduction of the course of the seventh semester and will continue till the beginning of the eight semester.
2. The students are expected to work with an architectural or interior design firm, organization where interior design related practice are being carried out . The student shall work under the guidance of a professional who has an experience of practicing in the profession for not less than five years.
3. Students are expected to learn about professional ethics, conduct and practices in profession.
4. The total duration of the training will be minimum seventeen working weeks, or eighty working days , excluding the holidays.
5. The evaluation of the work done during the industrial / professional training shall be evaluated at the end of the eighth semester of the fourth year.

**Submission:**

1. The student shall prepare an elaborate training report , documenting the work done during the training periods , in the respective offices, firms, organization. The documentation is expected to happen every week , by maintaining a detailed report of the work done, site or field visit done, any research report or documentation done, interviews or meetings attended , data collected , interaction with the principal designer , client or authority done, with the seal of the firm and organization.
2. The experience, knowledge gained in the form of drawings etc should be certified by the principal designer , on his official letterhead. Clearly stating the performance of the student , in the form of drawings, site visit , market survey etc.

3. The log book issued by the institute shall be filled weekly and duly signed by the principal designer , is mandatory.
4. The student shall produce the above mentioned training report, work certificate ,log book , drawings made by him/her (with the permission of the principal designer), at the time of viva voce examination.

#### SESSIONAL ASSESSMENT AND VIVA VOCE:

1. The sessional assessment and viva voce shall be conducted jointly together by the internal and external examiner and the distribution of the marks shall be as specified in the subject list and the marks summary further tabulated.

<b>ID173642      GRADUATION PROJECT.</b>
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**TEACHING SCHEME:** Total contact period per week - lectures 1 + studio 3 = 4

**EXAMINATION SCHEME:**

Paper: Nil.

Oral: 100

Sessional Assessment: 250(Internal) 150(External).

**Aim:** This course aims at exposing and providing an opportunity to the students to extend the findings of the research carried under the subject dissertation in order to execute a complete design process with holistic approach.( including domain understanding ,using data collected and research done and formulation of design brief and final design solutions with complete integration of services).

**Objectives:**

1. To enable students, to undertake a interior design project and its development process independently.
2. He/she should be able to demonstrate skill sets and knowledge acquire in prior design academic course and its application in the graduation process.

**Course outline:**

1. The graduation project shall consist of design research ,analysis and synthesis ,and proposed design solution.
2. Scale in terms of area should be greater or equivalent to the design project handled in the last semester.
3. Scale can also be defined in terms of its conceptual intensity or detailing done or to be done ,to glorify the required character of the project.
4. Scale can also be defined volumetrically , or spatially (by space planning).
5. Application of services and other allied subjects like landscaping to enhance the scale of the project .

**Assignments and Assessment**

The sessional work for the graduation project shall consist of the

- a.) Design research report:
  - 1.) Project synopsis.
  - 2.) Project methodology.
  - 3.) Introduction of the topic .
  - 4.) Historical development and relevance.
  - 5.) Case studies and data collection .
  - 6.) Technological advancement.
  - 7.) Users research , analysis and conclusion.
- b.) Design demonstration;
  - 1.) Design direction , with inspiration board.
  - 2.) Site selection and analysis .
  - 3.) Design brief.
  - 4.) Ideation, explorations , concept generation.
  - 5.) Zoning circulation.
  - 6.) Concept development of plan . study models.
  - 7.) Finalized plan.
  - 8.) Sections and elevations.

- 9.) Material and colour palette.
- 10.) Technical drawings, false ceiling, partitions, etc.
- 11.) Services drawing. ( water supply , drainage, HVAC.)
- 12.) Three dimensional views, perspectives.

Portfolio completed with set of drawings , presentation and technicalities completed.

**Recommended reading:**

1. Basic design and Anthropometry by Shirish Vasant Bapat.
2. The measure of men and women – human factors in design by Allvin R. Tilley and Henry Dreyfuss and associates.
3. Visual Dictionary of Architecture by D. K. Ching.
4. Interior design by Ahmed Kasu
5. Interior design by D.K. Ching
6. Time savers standards of interior design
7. Neuferts standards.