



Hindi Vidya Prachar Samiti's

Ramniranjan Jhunjhunwala College

of Arts, Science & Commerce

(Empowered Autonomous College)

Affiliated to

UNIVERSITY OF MUMBAI

Syllabus for the TYB.Sc. INTERIOR DESIGN (under NEP)

SEMESTER VI

Program: B.Sc. INTERIOR DESIGN

Program Code: RJSUID

Level 5.5

(CBCS 2025 - 2026)

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THE PREAMBLE

Interior Design Course is designed to make students thorough Professionals. The content of the program is designed concerning the current needs of the Profession, Market trends and aims.

It helps the students to understand the intricacies of human life, social behavior and environmental needs and based on these factors they are trained to design the spatial needs performing varied functions with ease and comfort. Along with functionality of spaces the program enhances the creative skills of the students. The program aims at promoting a holistic approach to the designing process by simultaneously involving inputs from theory, allied subjects and electives into design.

Why B.Sc. Interior Designing at R J College?

The Interior Designing department was established in the year 2023 with strength of 120 Students.

The department offers both Degree and Honors programs in the subject of Interior Designing and is affiliated to and recognized by the University of Mumbai. College facilitates departmental library with near about 1200+ books. There are 3 dedicated well-upgraded laboratories for Interior Designing department. With the management extensive support, department believes in "**1 Student 1 PC policy**" which helps students to rigorous practice and focus. Projects, hands on training sessions, guest lectures, lecture-based learning, and industry visits etc. This Course is designed to create Employability curriculum more robust by incorporating skill-based learning and value added Courses.

The B.Sc. Program course in Interior Designing not only aims at preparing the students for a wide variety of jobs in the design industry but also focuses on enabling the students to develop and apply their creative minds in the design of small and large spaces.

Our Curriculum, Your Strength

The syllabus of Interior Designing for a total six semesters is meticulously designed so as to make students understand the various fields of Interior Designing. The students gradually step ahead gaining advance knowledge at higher complexities at every subsequent semester. In all about 40 subjects are covered in 6 semesters, which gives adequate knowledge in the field of Design.

Practical of all semesters and project at Third Year level boost high level confidence in students to help them crack immense career opportunities. National Education Policy 2020 will be implemented from the academic year 2023-24 and the syllabus of the B.Sc. Interior Design program will be 3 + 1 (honors) year program. The program will have multiple exit points. Students will be able to continue to honors degree if they want to. A collection of Major, Minor, Elective, Vocational, Skill Enhancement, Ability Enhancement courses are offered to the students.

Syllabus of all the subjects are closely reviewed after each academic year and new trends and updates in the industry are updated with guidance of esteemed board of studies members.

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Value added courses are meticulously designed for the students to gain extra knowledge in new and upcoming technologies. These courses not only make the students rich in knowledge but also give them additional credit points ensuring an edge over other learners.

The syllabus sees constant upgrade through brainstorming sessions with industry experts and teaching experts from different universities.

We motivate our students and provide them with the required knowledge to learn and explore new technologies in design. This capability/skill plays an essential role in their career growth in this competitive world of technology.

PROGRAM OUTCOMES FOR UNDERGRADUATE DEGREE PROGRAM IN INTERIOR DESIGN

Students of all Postgraduate degree programs at the time of graduation will be able to do/be:

Critical Thinking

Comprehend the matter they come across and be capable to take a sound viewpoint about things which will highlight their intellectual acumen as well as enable them to look at the world through multiple lenses.

Effective communication

Listen, speak, read and write. They would communicate properly by conveying their thoughts.

They will be able to use technology for communication and will be able to network with people with all available channels. They will develop their communication skills in English, Hindi and a local language would be an added advantage for them.

Social Interaction

Respect each other and should be able to resolve conflicts and help in reaching amicable solution.

They should be able to work in diverse teams. They should be able to distinguish when and what is socially acceptable.

Responsible citizen

Contribute to Nation development through social service and being empathetic and sympathetic to fellow beings.

Honesty and Integrity, Ethics

Recognize different values and systems and respect them. In decision making moral values should be given prime importance.

Environmental and Sustainability

Environmental issues would be considered and problem solving with sustainable development would be chosen.

The B.Sc. Interior Design Program is focused on providing undergraduate studies which would also incorporate specific job roles along with broad based general education.

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This would enable the graduates completing B.Sc. Interior Design to make a meaningful participation in accelerating India's economy by gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge.

After successful completion of the B.Sc. Interior Design course, the student will be able to:

- Apply fundamentals and principles of design in space planning and will be able to analyze and transform the design information, client requirements and description to create conceptual scheme and drawings.
- Design schematic drawings and layouts for given descriptions and requirements.
- Investigate and identify the problems in services (such as plumbing, AC, electrical systems) in designed spaces by using modern design software's efficiently and effectively for generating technically sound computer aided presentation drawings.
- Use, practice and promote environment friendly sustainable green building materials and technology while designing and executing space planning and design.
- Observe and practice professional ethics while working in the industry with clients, contractors, consultants and suppliers.
- Lead multi-disciplinary teams of contractors and consultants such as carpenters, electricians, AC consultants, plumbers, painters etc. while working on site execution.
- Convince the client for adopting suggested design scheme and idea.
- Communicate the design concept and ideas verbally to client, contractors, consultants and other skilled workers.
- Read and analyze drawings like plans and elevations correctly for site execution.
- Create estimate and tender documents.
- Check and finalize BOQ's after site execution.
- Manage cash flow for design execution and earn profit.
- Create business plan for setting up own Interior Design firm or pursue career of their own interest through continuous learning in the field of Interior Design, Furniture design, accessory or product design, store planning and visual merchandising or display design.

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DEPARTMENT OF INTERIOR DESIGN

PROGRAM: B.SC. INTERIOR DESIGN (RJSUID)

PROGRAM SPECIFIC OUTCOMES (PSOs) FOR B.Sc. INTERIOR DESIGN

Sr. No.	A Student completing B.Sc. Interior Design will be able to:
PSO1	Understand fundamental concepts of Interior Designing in a 6-semester full time program with an aim to empower Students by developing a creative and professional attitude. The syllabus of the course is designed in such a way that, it will help in upliftment of students by providing skill development required to be a successful interior designer along with entrepreneur skills to set up their own venture.
PSO2	Implement basic concepts to empower students coming from various disciplines with the holistic knowledge and a well-balanced perspective of designing. <ul style="list-style-type: none">• To equip students with skills that help them to become successful entrepreneurs• To provide extensive training program in preparing the students to pursue careers as Interior designers, Freelance Design consultants, Modular Kitchen designer and an entrepreneur to help them build their career in Interior Industry.
PSO3	Design & Develop minor / major projects ranging from Residential, Commercial and Hospitality to Institutional interiors with all the essential required knowledge of designing and authoring creative project design presentations and reports.

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Teaching Learning Process

The teaching learning process in the learning outcome based curriculum framework in the subject of Interior Designing is designed to develop the cognitive skills of every learner. The program offers the required skills for a profession and opportunities to get jobs in various design platforms.

A good number of practical courses included in the program promote the learner to acquire the required skills for employment by experiential learning.

Project development is made part of the curriculum which provides the most needed opportunity for each student to learn in the process of implementation of the project.

An interesting combination of teaching learning processes is adopted in which the teacher and learners are actively involved.

Some of the salient teaching learning processes are:

- Class lectures
- Presentations
- Group Discussion, workshops
- Peer teaching and learning
- Flipped classroom, project-based learning, quiz, seminars, exhibitions, posters.
- Hands on learning with practical assignments carefully designed
- Technology enabled self-learning
- Internships

The effective teaching strategies would address the requirements of learners to learn at their own pace.

The teaching pedagogy adopted to ensure inculcate higher order skills in the learner.

The entire program is also designed to foster human values, environmental consciousness for an equitable society. The teaching learning processes adopted would aim at participatory pedagogy.

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**Credit Structure for TYBSc. Semester VI as per NEP 2020 implemented
from the academic year 2025 – 2026
Level 5.5 Major Interior Design**

Course	Credits	Total Credits	Course Title and Code
Major - Discipline Specific Core (Major - DSC)	4	10	Interior Design Dissertation - II RJDSCIND361
Major - Discipline Specific Core (Major - DSC)	2		Interior Professional Practice - II RJDSCIND362
Major - Discipline Specific Core (Major - DSC)	4		Interior Working Drawing - III RJDSCINDP363
Minor	4	4	Interior Services - IV RJMININD361
Major - Discipline Specific Elective (Major - DSE)	4	4	Sustainable Interiors RJDSEIND361
Major - Discipline Specific Elective (Major - DSE)			Product Design RJDSEIND362
On Job Training (OJT)	4	4	On Job Training RJOJTINDP361
Total Credits	22	22	

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DISTRIBUTION OF TOPICS AND CREDITS
T.Y.B.Sc. INTERIOR DESIGN - SEMESTER VI

Course	Nomenclature	Credits	Topics
RJDSCIND361	Interior Design Dissertation - II	04	Design the selected design topic of interest and will be able to advance to the planning and designing of the desired drawing.
RJDSCIND362	Interior Professional Practice - II	02	The learner will be equipped with advanced knowledge and skills needed for estimating, costing, analyzing rates and will process a particular project for tendering & practicing profession of Interior Design & Architecture.
RJDSCINDP363	Interior Working Drawing - III	04	The learner is expected to prepare working drawings and details of a suitable part of the design dissertation project done in Semester V including the furniture systems using various materials such as wood, plywood, block board, artificial boards, metal, glass, stone, etc in various finishes.
RJMININD361	Interior Services - IV	04	To explore the challenges that Services planning is to the design dissertation project and to analyze and detail the services that the design dissertation project mandates.
RJDSEIND361	Sustainable Interiors	04	Study of eco-friendly design practices focusing on resource efficiency, use of sustainable materials, and creating healthy interior environments with minimal environmental impact.
RJDSEIND362	Product Design		Study of creating functional and aesthetic products through research, concept development, material selection, and design detailing to meet user needs and market demands.
RJOJTINDP361	On Job Training	04	To undergo training outside the institute in such offices/organizations which will give the learner the necessary opportunity to improve and consolidate his/her knowledge in the Interior Design profession.



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Vertical under NEP: Major - Discipline Specific Elective (Major - DSE)

Course Code: RJDSEIND361

Level 5.5

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SEMESTER	VI
TITLE OF THE SUBJECT/COURSE	SUSTAINABLE INTERIORS
COURSE CODE	RJDSEIND361
CREDITS	04
DURATION	60 Hours

LEARNING OBJECTIVES
1. To equip the learner with updated advanced information the latest trends in the market related to Sustainable Interiors.

Course Outcome Number	On completing the course, the student will be able to:	Blooms Levels	PSO Addressed
CO 1	Understand and Apply eco-friendly design practices focusing on resource efficiency, use of sustainable materials, and creating healthy interior environments with minimal environmental impact.	1,2,3	BT Level I, II,III remember, understand & Apply
CO 2	To Explore the principles and practices of sustainable interior design. To Understand and learn about sustainable materials, energy efficiency, indoor environmental quality, and the broader impact of design choices on the environment. To equip students with the skills to create environmentally responsible and sustainable interior spaces.	1,2,3	BT Level I, II,III remember, understand & Apply

SEMESTER VI		H	Cr
Paper: Sustainable Interiors	Paper Code: RJDSEIND361	60	4
UNIT I Principles of Sustainable Interior Design - Introduction to Sustainability in Interior Design - Environmental Impact of Interior Design - Principles of Green Design - Life Cycle Assessment (LCA) in Interior Design - Certifications and Standards (LEED, WELL, BREEAM)		15	

<p style="text-align: center;"><i>UNIT II</i></p> <p>Sustainable Materials and Products</p> <ul style="list-style-type: none">- Sustainable Material Selection Criteria- Renewable and Recycled Materials- Low-Emitting Materials and Indoor Air Quality- Sustainable Furnishings and Finishes- Evaluating Material Performance and Durability	15	
<p style="text-align: center;"><i>UNIT III</i></p> <p>Energy Efficiency and Water Conservation</p> <ul style="list-style-type: none">- Energy-Efficient Lighting and HVAC Systems- Passive Design Strategies- Water Conservation Techniques in Interior Design- Renewable Energy Integration- Smart Building Technologies	15	
<p style="text-align: center;"><i>UNIT IV</i></p> <p>Indoor Environmental Quality and Sustainable Practices</p> <ul style="list-style-type: none">- Indoor Air Quality (IAQ) Improvement Strategies- Natural Lighting and Daylighting- Acoustics and Noise Control- Biophilic Design and Human Health- Promoting Sustainable Behaviors and Practices	15	

Suggested References:

- McLennan, J. F. (2004). The philosophy of sustainable design: The future of architecture. Ecotone Publishing.
- Proctor, R. (2015). The Sustainable Design Book. Laurence King Publishing.
- Stieg, C. (2006). Sustainable design for interior environments. Fairchild Books.
- Chiras, D. D. (2014). The solar house: Passive heating and cooling. Chelsea Green Publishing.
- Kibert, C. J. (2012). Sustainable construction: Green building design and delivery (3rd ed.). Wiley.
- Bee, F. (2012). Sustainable interior design: Principles and practice. Fairchild Books.

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Scheme of Examinations:

1. For 2 Credit Subjects -

- a. Internal examination 20 marks (MCQ/Assignment/Project/Survey/Presentation/Seminar)
- b. One External (Semester End Examination) of 30 marks. Duration: 1 hour.
- c. One combined Practical Examination at the end of Semester consisting of 50 marks with minimum 20 marks for passing.

For 4 Credit Subjects -

- a. Internal examination 40 marks (MCQ/Assignment/Project/Survey/Presentation/Seminar or Continuous Evaluation for Practicals)
 - b. One External (Semester End Examination) of 60 marks. Duration: 2 hours.
 - c. One combined Practical Examination at the end of Semester consisting of 100 marks with minimum 40 marks for passing.
2. Minimum marks for passing Semester End Theory and Practical Exam are 40%.
 3. Students must appear for Internals to be eligible for the Semester End Examination.
 4. Students must appear for the Semester End Examination to complete total credits for a given Semester.
 5. For any KT examinations, there shall be Examination on Demand and students must register for the same.
 6. Short field excursions for practical knowledge (one per semester) are compulsory.
 7. Field work with submission of a field report of quality can be considered under 20 marks internally.
 8. A candidate will be allowed to appear for the practical examinations if he/she submits a certified Journal of TYB.Sc. Interior Design or a certificate from the Head of the Department / Institute to the effect that the candidate has completed the practical course of TYB.Sc. Interior Design as per the minimum requirements.
 9. In case of loss of journal, a candidate must produce a certificate from the Head of the Department /Institute that the practicals for the academic year were completed by the student. However, such a candidate will be allowed to appear for the practical examination, but the marks allotted for the journal (if any) will not be granted.
 10. HOD's decision, in consultation with the principal, shall remain final and abiding to all.

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Scheme of Examination - Semester - VI

Sr. No.	Course Code	Course Name	Total Marks		
			Internal	External	Total
1.	Major - Discipline Specific Core (Major - DSC)	Interior Design Dissertation - II RJDSCIND361	40	60	100
2.	Major - Discipline Specific Core (Major - DSC)	Interior Professional Practice - II RJDSCIND362	20	30	50
3.	Major - Discipline Specific Core (Major - DSC)	Interior Working Drawing - III RJDSCINDP363	40	60	100
4.	Minor	Interior Services - IV RJMININD361	40	60	100
5.	Major - Discipline Specific Elective (Major - DSE)	Sustainable Interiors RJDSEIND361	40	60	100
6.	Major - Discipline Specific Elective (Major - DSE)	Product Design RJDSEIND362			
7.	On Job Training (OJT)	On Job Training RJOJTINDP361	-	-	100
		TOTAL			550

Evaluation and Assessment

(Based on the centralized guidelines given by EC under NEP 2020)

Evaluation Practical (Credit 2):

Total marks per course - **50 Marks**

Internal - Assessment (Continuous Evaluation) - **20 Marks**

Internal - Semester End Practical Examination - **30 Marks**

Evaluation Practical (Credit 4):

Total marks per course - **100 Marks**

Internal - Assessment (Continuous Evaluation) - **40 Marks**

Internal - Semester End Practical Examination - **60 Marks**

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Key to set effective Question paper pf Total 30 Marks:

Question	Knowledge	Understanding	Application and Analysis	Total Marks - Per unit
Unit 1	5	2	2	10
Unit 2	5	2	2	10
Short notes (both the units)	8	2	2	10
TOTAL - Per objective	18	6	6	30
% WEIGHTAGE	60	20	20	100%

Key to set effective Question paper of Total 60 Marks:

Question	Knowledge	Understanding	Application and Analysis	Total Marks - Per unit
Unit 1	10	4	4	18
Unit 2	10	4	4	18
Short notes (both the units)	16	4	4	24
TOTAL - Per objective	36	12	12	60
% WEIGHTAGE	60	20	20	100%

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Mapping of the courses to Employability/Entrepreneurship/Skill Development - Semester VI

Course Name	Course Code	Topics focusing on Employability /Entrepreneurship/Skill development	Employability /Entrepreneurship / Skill development	Specific Activity
Semester - VI				
Interior Design Dissertation - II	RJDSCIND361	Research writing, case study analysis, advanced design thinking, presentation skills	Employability / Skill Development	Final dissertation report, jury presentation, peer review sessions
Interior Professional Practice - II	RJDSCIND362	Office management, contracts, billing, tenders, client handling, entrepreneurship basics	Entrepreneurship / Employability	Mock contract drafting, billing exercise, professional communication workshop
Interior Working Drawing - III	RJDSCINDP363	Technical drawing, detailing, drafting standards, joinery details, construction documentation	Skill Development / Employability	Complete set of working drawings for a studio project, CAD-based detailing assignment
Interior Services - IV	RJMININD361	HVAC, plumbing, electrical layout, lighting design, safety standards, integration with interiors	Employability / Skill Development	Preparation of service drawings, site visit to understand MEP installations
Sustainable Interiors	RJDSEIND361	Eco-materials, green rating systems, waste management, energy-efficient design	Skill Development / Entrepreneurship	Material research portfolio, sustainable design proposal, workshop with green product vendors

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Product Design	RJDSEIND362	Concept development, prototyping, ergonomics, manufacturing processes, branding	Skill Development / Entrepreneurship	Prototype model making, 3D modelling, product pitch presentation
On Job Training	RJOJTINDP361	Industry exposure, real-time problem solving, teamwork, professional behaviour	Employability	Internship work log, mentor evaluation, reflective journal, final OJT report