



Hindi Vidya Prachar Samiti's

Ramniranjan Jhunjhunwala College

of Arts, Science & Commerce

(Empowered Autonomous College)

Affiliated to

UNIVERSITY OF MUMBAI

Syllabus for the S.Y.B.Sc. (under NEP)

Program: B.Sc. INTERIOR DESIGN

Program Code: RJSUID

**(REVISED in 2024 - 2025 in alignment with the NEP 2020 facilitating the inter - and multidisciplinary learning and multiple entry and exit of the students)
Level 5.0**

(CBCS 2024 - 2025)

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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.

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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.

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.

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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 SYB.Sc. Semester III as per NEP 2020 implemented

from the academic year 2025 – 2026

Level 5.0 Major Interior Design

Course	Credits	Total Credits	Course Title and Code
Major Mandatory Practical I	4 (Practical Based)	8	Studio Interior Furnishing - II RJMAJINDP231
Major Mandatory Practical II	4 (Practical Based)		Interior Components Materials & Treatment - II RJMAJINDP232
Minor Theory	4	4	Interior Services – I RJMININD231
Open Elective Course (OEC)/Generic Elective Course (GEC)	2 (Practical Based)	2	Principles of Interior Design RJOECINDP231
Vocational Skill Course (VSC)	2 (Practical Based)	2	Interior Materials & Products RJVSCINDP231
Ability Enhancement Course (AEC)	2	2	Modern Indian Language RJAECIND231
Field Project (FP)	2 (Practical Based)	2	Relevant Industry Visit + Report RJFPINDP231
Co-curricular Course (CC)	2	2	Related to Interiors (30 hour) RJCCIND231
Total Credits	22	22	

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DISTRIBUTION OF TOPICS AND CREDITS
S.Y.B.Sc. INTERIOR DESIGN - SEMESTER III

Course	Nomenclature	Credits	Topics
RJMAJINDP231	Studio Interior Furnishing - II	4 (Practical Based)	1. Design of Large multilevel luxury residence such as a Penthouse, Bungalow, etc. It should be minimum G+1 Structure (Minimum 4 Bedrooms) having Carpet Area not less than 300 Sq. M. in a suitable Plot area.
RJMAJINDP232	Interior Components & Treatment - II	4 (Practical Based)	1. Structural Systems: - Introduction to different structural systems for buildings:- Load bearing brick/stone masonry - its application in the interior field. - RCC frame structure with column, beam, slab, cantilevers etc. – its application in the interior field. - Steel framed construction with different rolled sections - its application in the interior field. 2. Floor Systems: - Single floor in wood and steel with different floor finishes. - Introduction to the double floor in steel. 3. Stairs: - Single flight wooden staircase and dog-legged RCC, metal staircase. - Principles of steel spiral stairs. 4. Facade Design: - Façade design and engineering: its general principles, construction systems, details and tolerances, materials, geometrical complexity, sustainability and construction site processes.
RJMININDP231	Interior Services - I	4 (Practical Based)	1. Lighting & Acoustics - Illumination standards and artificial lighting design and lighting power density. - Daylight integrated lighting systems, timers and sensors. - Different types of illuminations. - Study of lighting fixtures and fittings used in interior spaces, special lighting systems for malls or displays. - Provisions of standards and energy codes related to interior electrical services. - Automation in lighting industry 2. Plumbing & Drainage - Plumbing & Drainage and its allied areas and the various aspects of domestic

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			<p>plumbing & drainage practices and commercial techniques.</p> <p>3. Basics of Fire Fighting</p> <ul style="list-style-type: none"> - Principle, heat transmission & common causes of fire - Fire Alarm systems and Fire fighting arrangements - Fire Prevention & Control <p>4. Basics of Water Proofing</p> <ul style="list-style-type: none"> - Types and its advantages <p>5. PA systems, WiFi and CCTV</p> <ul style="list-style-type: none"> - Types and its advantages
RJOECINDP231	Principles of Interior Design	2 (Practical Based)	<p>1. Introduction to Interior Design and its Importance, drafted Lines, Regular & Irregular shapes and different forms.</p> <p>2. Elements of Design & Principles of Design.</p> <p>3. Isometric, Axonometric Views & Introduction to Design of a Residential Space.</p>
RJVSCINDP231	Interior Materials & Products	2 (Practical Based)	<p>1. Materials and techniques used for water-proofing.</p> <p>2. Fire retardant materials and their applications.</p> <p>3. Thermal insulating materials and their applications.</p> <p>4. Outdoor and infrastructural products used as substitutes in present time.</p>
RJAECIND231	Modern Indian Language	2	<p>1. The following options can be offered to the students to select from:</p> <ul style="list-style-type: none"> a. Marathi b. Hindi c. Sanskrit d. Spoken English
RJFPINDP231	Field Project	2 (Practical Based)	<ul style="list-style-type: none"> - Visit to a Lighting store - Visit to a Tile & Stone store - Visit to Sanitary Store - Visit to Asian Paints Experience Center - Any other Field Project related to Interior Design.
RJCCIND231	Co-curricular Course	2	<ul style="list-style-type: none"> - Photoshop Software - Sketchup + Vray Software - Visit to a laminate store - Ongoing large scale Exhibitions related to Interior Design - Any other activities related to Interior Design.



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Semester: III

Vertical under NEP: Major Mandatory Practical - I

Course Code: RJMAJINDP231

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SEMESTER	III
TITLE OF THE SUBJECT/COURSE	STUDIO INTERIOR FURNISHING - II
COURSE CODE	RJMAJINDP231
CREDITS	04
DURATION	60 LECTURES

LEARNING OBJECTIVES
<ol style="list-style-type: none">1. The learner is expected to apply advanced skills to design Multi-level Luxury residence space planning with clear understanding and usage of contemporary materials, construction techniques and services required for the design project.2. Study and application of anthropometry, ergonomics, basic design principles and components related to Multi-level Luxury residence space planning.

Course Outcome Number	On completing the course, the student will be able to:	Blooms Levels	PSO Addressed
CO 1	Understand the functional aspects related to Retrofitting using new construction techniques to existing spaces or designing new spaces altogether.	1,2	BT Level I, II remember, understand
CO 2	Understand the design aspects of Large multilevel luxury residences and their functional and aesthetic with services.	1,2,3	BT Level I, II, III remember, understand & Apply

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SEMESTER III (PRACTICAL)		L	Cr
Paper: Studio Interior Furnishing - II	Paper Code: RJMAJINDP231	60	4
<p style="text-align: center;"><i>UNIT I</i></p> <p>1. Design of Large multilevel luxury residence such as a Penthouse, Bungalow, etc. It should be minimum G+1 Structure (Minimum 4 Bedrooms) having Carpet Area not less than 300 Sq. M. in a suitable Plot area.</p> <p>2. Design portfolio should consist of Case Studies (Physical & Online), Project Brief, Client profile, Concept Sheet, Theme Sheet, Measurement Plan/Civil & Furniture Layout Plan/Flooring Layout/Reflected Ceiling Layout/Electrical Layout/Lighting Layout/Air Conditioning Layout, Sectional Elevations, Facade Elevations & Perspective Views (Hand-rendered/Software)</p>		60	

Suggested References

1. Karlen Mark, Space planning Basics, Van Nostrand Reinhold, New York, 1992.
2. Joseph D Chiara, Julius Panero, & Martin Zelnick, Time Saver standards for Interior Design & space planning, 2nd edition, Mc-Graw Hill professional, 2001.
3. Francis.D. Ching & Corky Bingelli, Interior Design Illustrated, 2nd edition, Wiley publishers, 2004.
4. Julius Panero & Martin Zelnick, Human Dimension & Interior Space : A source book of Design Reference standards, Watson – Guptill, 1979.\
5. Maureen Mitton, Interior Design Visual Presentation: A Guide to Graphics, Models, and Presentation Techniques. John Wiley and Sons, 2003
6. 6. Mark.W. Lin, Drawing and Designing with Confidence: A step-by-step guide, Wiley and Sons, 1993.
7. Robert Rengel, Shaping Interior Space, Fairchild Books & Visuals, 2002.