

# **SYLLABUS of DEGREE PROGRAMS offered**

## **Allana College of Architecture Website**

Architecture is the Profession that deals with designing a live-able built environment including the spaces within and outside the buildings, along with the process of construction and execution of designs. Architectural, Design and Project Management Education develops creativity, intelligence, and knowledge of students to design and construct structures and spaces, with concern to the allied aspects and peculiar requirements of the process.

The Board of Studies of Architecture of Dr. P. A. I. University aims at preparing students with Proficiency, Employability and Entrepreneurship qualities to step confidently into the professional world and construction industry. The main focus is laid on developing and nurturing primary attributes of a Design Professional viz. Design, Research and Skills.

In our country, the responsibility of registration of Architects and standards of architectural education & practice is given to the apex body "Council of Architecture" (CoA) constituted by the Government of India as per the Architects Act, 1972 in order to regulate the practice and profession of Architecture throughout the nation. At the same time, all degree programs have to comply with the Guidelines and Framework by National Education Policy and University Grants Commission of India, to maintain the quality of education in any professional and technical education field.

The University offers the program in Architecture and Design at 2 levels via 3 courses, under-graduate: Bachelor of Architecture and Bachelor of Interior Design, post-graduate: Master of Architecture. The Faculty of Architecture and Design of the University aims at bridging the gap between the Industry and the Institute by framing a syllabus at under-graduate and post-graduate level based on the guidelines and fine tuning the same with respect to the requirements of the profession and industry at the national and international level.

## Five Year full-time Bachelor of Architecture (B.Arch.) :

Year-1 B.Arch.		Year-2 B.Arch.		Year-3 B.Arch.		Year-4 B.Arch.		Year-5 B.Arch.	
Sem-1	Sem-2	Sem-3	Sem-4	Sem-5	Sem-6	Sem-7	Sem-8	Sem-9	Sem-10
Design Studio								Practical Internship	Archi. Project (Design Thesis)
Architectural Evolution				Landscape	Research in Architecture				
Construction Studio									
Structures Studio						Urban Studies & Development			
Architectural Graphics		Building Services				Specification & Estimation			
Presentation Workshop		Computer Applications		Working Drawing		Professional Practice, Project Management & Entrepreneurship			
Elective Course (Professional & Open)									

### INTRODUCTION to Five Year full-time Bachelor of Architecture (B.Arch.)

Bachelor of Architecture (B.Arch.) is an under-graduate degree course in the field of Architecture. The course focuses on developing the sensitivity of the students about how to experience and perceive different spaces and forms around them. It is a creative, technical, and professional course imparting architectural education about designing and execution of the built-form and un-built environment. It is an imaginative and innovative field enhancing creativity and intelligence during education and a dynamic profession giving an Architect a responsible, reliable, accountable, and authoritative position in the execution of construction projects during his architectural practice. Design principles and Construction technologies being the core area, the course molds the students into Architects equipped with expertise in drawing, designing, design presentation, project approval process up to project execution, making them able & knowledgeable enough to practice independently and implement their project design & execution capabilities, while putting their first step in the architecture profession & construction industry.

B.Arch. degree course is a five-year program of Architecture that deals with creative and professional core subjects like Basic Design, Design Principles, Architectural Design, Landscape Design, History of Architecture & Culture along-with Building Sciences, Climatology & Environmental Sciences, Building Construction Materials Technology Services, Professional Ability Enhancement subjects and number of Electives around the core knowledge area and from allied creative or technical fields, with the entire study culminating into an Architectural Project of student's choice, after practical training and industrial exposure of around 6 months.

**Program Education Objectives & Outcomes:**

To produce graduates with the degree of B.Arch.,

- i. eligible for registration as an Architect with COA, to practice as an Architect
- ii. with creative skills to design spaces and structures, to suit the requirements of the users
- iii. with knowledge of construction technology, competent to execute the design projects
- iv. with intelligence to deliver ideas & concepts, versatile to handle any complexity
- v. with sensitivity towards the environment, appropriate use of resources and design
- vi. with technical and software skills, equipped to deliver drawings and documents
- vii. with ability to work in a group or team, as is required in the field and profession
- viii. with professional attitude to practice ethically and proficiently

**Career Opportunities and Prospects:**

- i. After graduation and registration with COA, an Architect can start his own practice or an architectural consultancy firm involving designing and execution of different types of building construction, interior and landscape projects.
- ii. After completion of the five-year Architecture degree course, the students are made suitable enough to support any architectural office and work in association with the firm, under the guidance of the Principal Architect. This can help him gather certain skills, experience, and exposure before he chooses to start his own practice.
- iii. After B.Arch., students can proceed to a Master of Architecture program in various specializations and allied fields OR other higher studies in India or other countries. The students may opt for M.Arch. program offered by the Dr. P. A. I. University.
- iv. After gaining the requisite experience, the Architect can join an architecture or interior design institute to teach and contribute to architectural education.

### Three /Four Year full-time Bachelor of Interior Design (B.I.D) :

Year-1 B.I.D		Year-2 B.I.D		Year-3 B.I.D with Major		Year-4 B.I.D with Honours	
Sem-1	Sem-2	Sem-3	Sem-4	Sem-5	Sem-6	Sem-7	Sem-8
Interior Styling Trends						Internship	Interior Design Project (Dissertation)
Interior Graphics & Workshop							
Construction Technology & Materials							
Interior Design Studio							
Interior Design Management							
Interior Design Elective (Professional & Open)							

#### INTRODUCTION to Four Year full-time Bachelor of Interior Design (B.I.D)

Bachelor of Interior Design is a regular, under-graduate degree course in the field of Interior Design. The course has been very thoughtfully curated to equip the aspiring student knowledge, skills, and creative confidence to design functional, aesthetic, and sustainable interior spaces. The program bridges the gap between art, design and technology, fostering a holistic understanding of spatial design.

A balanced curriculum focusses on industrial exposure through design studio across residential, commercial, institutional and hospitality sectors, technical theory like concepts of construction materials & technology, structural system, communication be it visual presentations or the command of good oral skills, understanding of society's design trends historically i.e. domestic & international with real world exposure to the best professionals in the industry. Students are introduced to both manual and digital tools, ranging from sketches and physical models to CAD, 3D modeling and rendering software. The program encourages design innovation, critical thinking and interdisciplinary collaboration with the emphatic message of being Green & Environmentally sensitive.

The University's biggest advantage being the Bachelor of Architecture (B.Arch.) program being conducted since its inception in 1999, offering a pool of experts, practitioners and resource personnel and giving the students a platform for exposure, continued learning and career opportunities.

B.I.D degree course is a three-year program in Interior Design that deals with allied and professional core subjects like Interior Styling & Trends, Interior Design Studio, Construction Technology & Materials, Employment Ability Enhancement subjects like Interior Graphics & Workshop, Interior Design Management and number of Electives -Professional & Open around the core knowledge area. Alternatively, a four-year "Honours" program starts with

Internship Learning and culminates the entire study into an Interior Design – Thesis project of the student's choice. This is after the practical training and industrial exposure of around 6 months.

**Program Education Objectives & Outcomes:**

To produce graduates with the degree of B.I.D,

- ix. eligible to practice as an Interior Designer, may register as Interior Designer with IIID
- x. with creative skills to design spaces and furniture, to suit the requirements of users
- xi. with knowledge of construction technology, competent to execute the design projects
- xii. with intelligence to deliver ideas & concepts, versatile to handle any complexity
- xiii. with sensitivity towards the environment, appropriate use of resources and design
- xiv. with technical and software skills, equipped to deliver drawings and documents
- xv. with ability to work in a group or team, as is required in the field and profession
- xvi. with professional attitude to practice ethically and proficiently

**Career Opportunities and Prospects:**

- v. After graduation and voluntary registration with IIID, an Interior Designer can start his /her own freelance practice involving design and execution of different types of interior design projects. The scope today is so wide as they can work in allied areas like Set Design for Film, TV & Events, Furniture Design, Lighting Design, Sustainable Interior Design, as Exhibition & Event Design, Interior Stylist /Décor Consultant, etc.
- vi. After completion of the three /four-year Interior degree course, the students are trained enough to be employed in any architectural /design office or related fields and work in association with the firm, under the guidance of the Principal Architect /Interior Designer. This can help him /her gather certain skills, experience, and exposure before he /her chooses to start his /her own practice.
- vii. After B.I.D, students can proceed to a Master of Interior Design program in various specializations and allied fields OR other higher studies in India or other countries. The students may opt for M.I.D program offered by the Dr. P. A. I. University.
- viii. After gaining the requisite experience, the Interior Designer can join an architecture or interior design institute to teach and contribute to either professions.

**Two Year full-time Master of Architecture (M.Arch.)  
in Project Management & Entrepreneurship (PME) :**

Year-1 M.Arch-PME		Year-2 M.Arch-PME	
Sem-1	Sem-2	Sem-3	Sem-4
Management Principles, Entrepreneurship Development, Legalities		Dissertation (Research Report & Research Paper Publication)	
Technical /Software Application			
Advanced Technologies	Dissertation (Research Methodology & Topic)		
Construction Project Studio			
Elective (Open, Allied Skill, Technical Skill)			

**INTRODUCTION to Two Year full-time Master of Architecture (M.Arch.) in Project Management & Entrepreneurship (PME)**

Master of Architecture is a post-graduate degree course in the field of Architecture with the specialization in "Project Management & Entrepreneurship" (PME). The course focuses on making the student conversant with the modern techniques of Project & Construction Management through various systems as well as technologies to convert successful design into executed projects that shall be cost effective, time bound and highly qualitative. It is the field of specialization and skill that fulfils the demand of the present construction industry and requisite of an Architect to design and construct high-rise structures and execute large-scale projects. Construction technologies and Management skills being the core area, the course equips Architects with proficiency in Project & Construction Management, making them able & knowledgeable enough to implement their project execution capabilities and expand their horizons as an Entrepreneur or Project Head in the architecture profession & construction industry.

M.Arch. degree course is a two-year program of post-graduation in Architecture that deals with professional core and allied core, Studio & Theory subjects related to the specialization, technical and technological aspects, sustainability and safety, legal and other management aspects. Besides, it includes Professional Ability Enhancement subjects with software applications and number of Electives around the core knowledge area & from allied technical fields, with the entire study culminating into a Dissertation on any aspect of Architecture, Construction industry or specialization field and a Research Paper publication, after Practical Learning through industrial exposure of around 2 months.

Emphasis is given to live site visits and interactions with the client, developers /promoters, engineers, contractors, vendors, project managers, other resource persons and experts in the

field to get valuable feedback on drawings, details, specifications, selection of materials, techniques, project documents of the project design and entire execution process.

**Program Education Objectives & Outcomes:**

To produce post-graduates with the degree of M.Arch-PME,

- i. with project management skills, to execute high-rise and large-scale projects
- ii. with knowledge of latest construction technology, appropriate and feasible for the project
- iii. with intelligence to decide on execution issues, versatile to handle difficult situations
- iv. with technical and software skills, equipped to work on complex projects
- v. with managerial skills to work in an organization, as is required in the field
- vi. with professional attitude and proficiency with entrepreneurial skills

**Career Opportunities and Prospects:**

- i. After post-graduation, an Architect can start his own practice in the studied Master's specialization along with his architectural consultancy firm involving designing and execution of different types and scales of projects.
- ii. After completion of the two-year M.Arch. degree course, the students are made sound enough to support any good architectural / development / government office and work in association with the firm as an expert in the field. This can help him gather certain skills, experience and exposure before he chooses to start his own practice.
- iii. After M.Arch., students can proceed to a Research program or PhD in Architecture in India or any part of the world.
- iv. After gaining the requisite experience, the M.Arch. degree holder can join an architecture institute to teach, to contribute to architectural education and develop a career in academics.