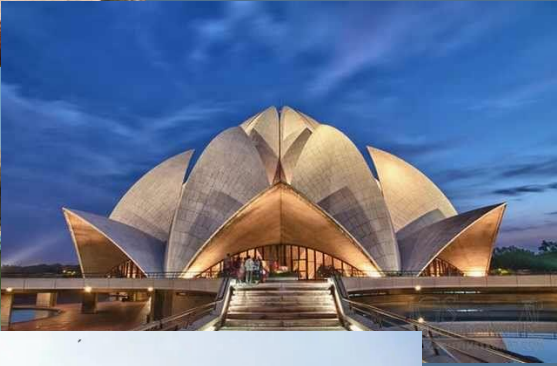


# A career in Architecture

*An attractive choice for  
resourceful minds!*



# What is Architecture?

- Architecture is all around us.
- It is a passion, a vocation and a calling.
- It is the designing and making of buildings.

## What does an architect do?

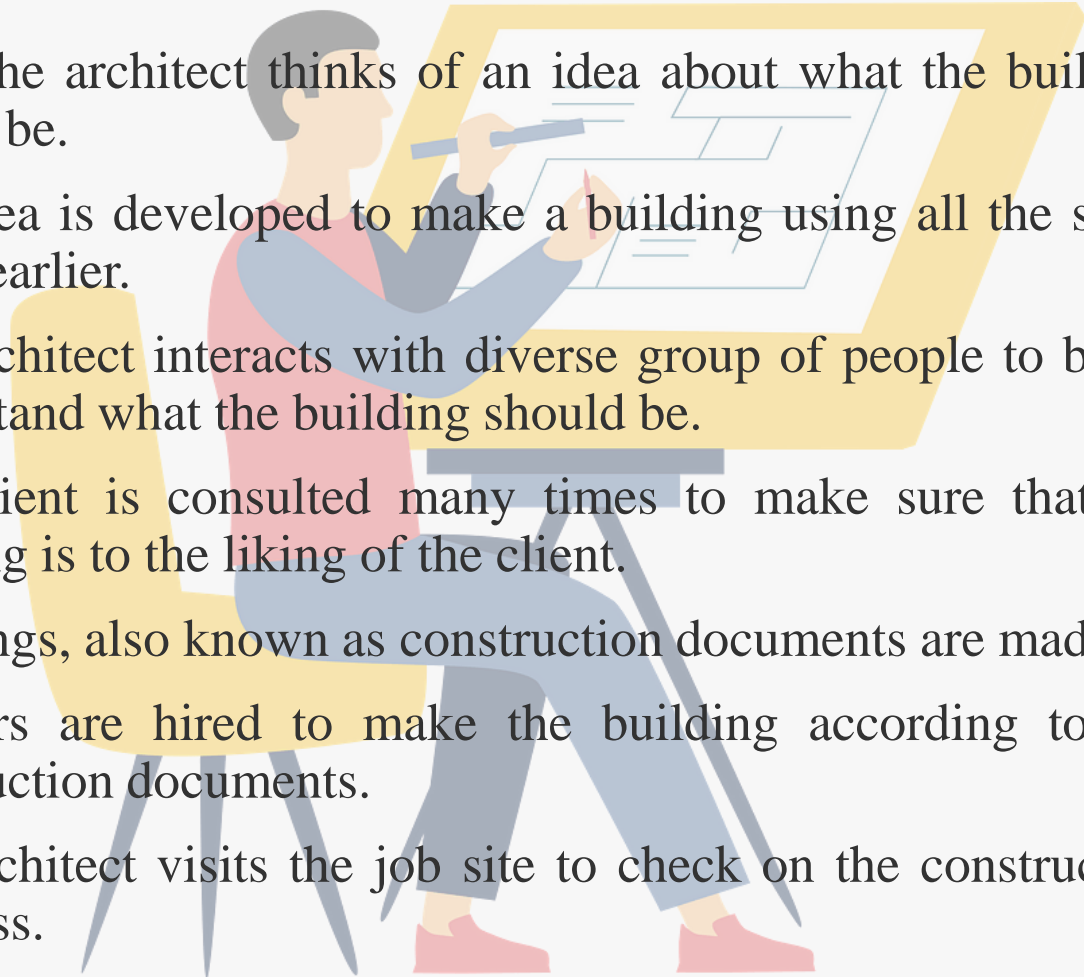


- An architect designs buildings, prepares drawings and instructions about how to build them and supervises the construction.
- Anyone who wants to make a house, office, school, hospital, shops, temple or any other building, will hire an architect to make it.
- An architect will make sure that the building is beautiful to look at, efficient and safe for every person who uses the building and within the budget of the client.
- To become an architect, one has to earn a degree in architecture, gain experience under a licensed architect and then get a license from the Council of Architecture, a government body.
- Only people who have a license can call themselves architects.

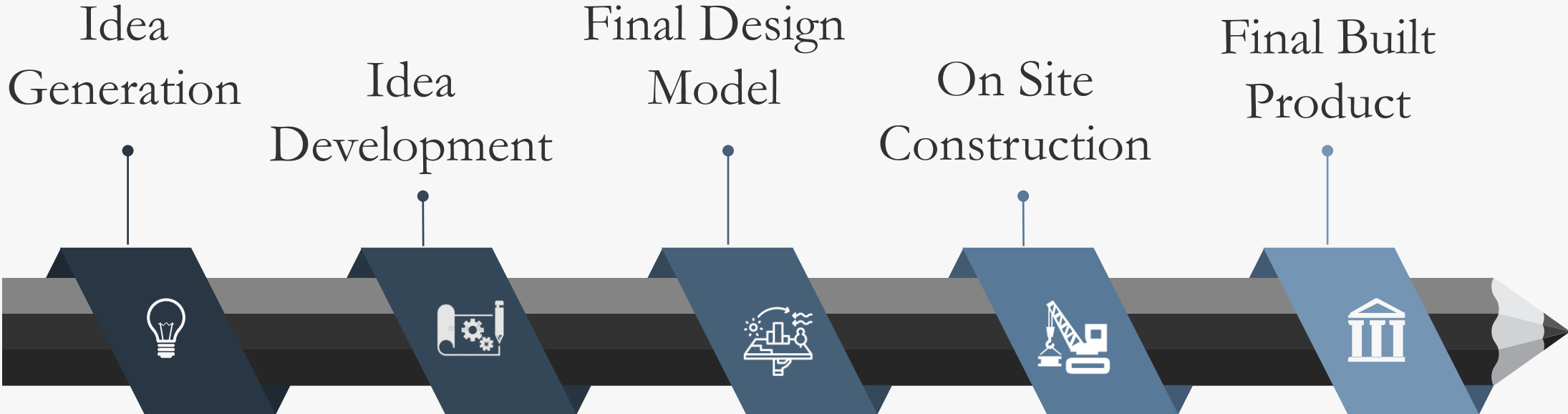
## How does an architect design and build?

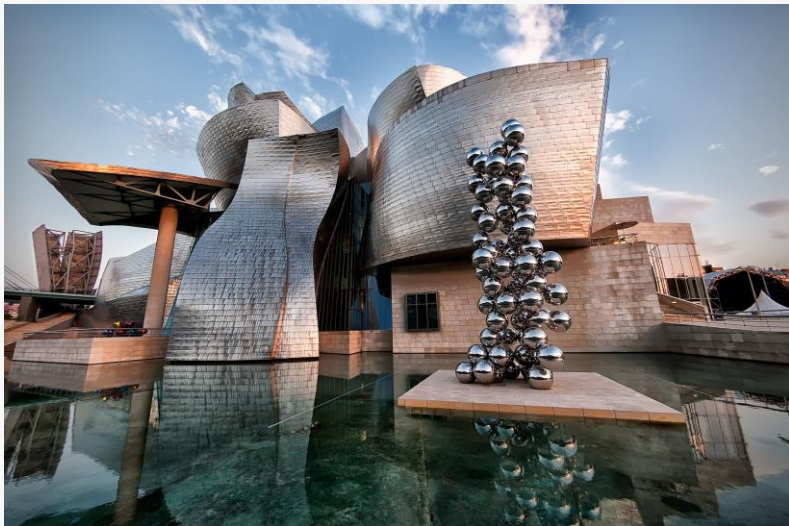


- An architect first understands what kind of building the client wants.
- Then the architect thinks of an idea about what the building should be.
- The idea is developed to make a building using all the skills learnt earlier.
- The architect interacts with diverse group of people to better understand what the building should be.
- The client is consulted many times to make sure that the building is to the liking of the client.
- Drawings, also known as construction documents are made.
- Workers are hired to make the building according to the construction documents.
- The architect visits the job site to check on the construction progress.
- The architect creates a magnificent building that people will be happy to use.

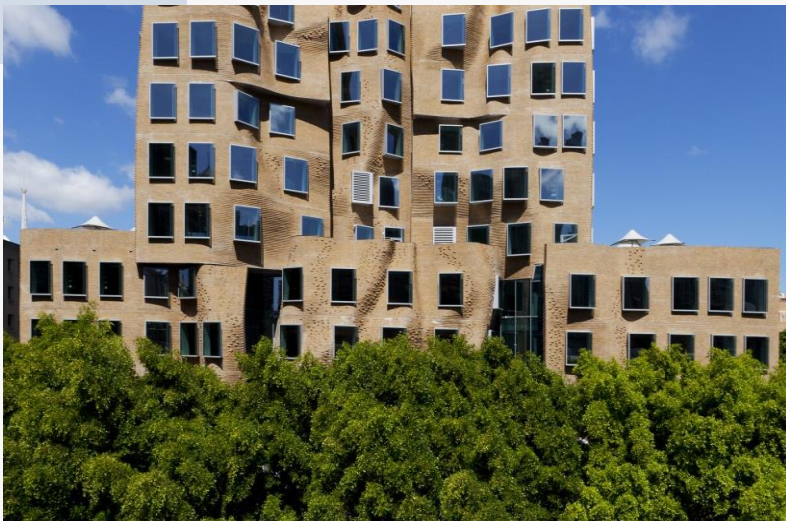


# PROCESS OF DESIGNING AND BUILDING





**You can also design buildings like...**



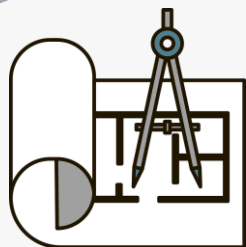
## How much time of your daily life do you spend inside a building – A study says 87%

- In your home where you sleep, cook, talk, eat, watch movies and spend time with your families.
- In school where you learn in classrooms, read in the library, play in the grounds, interact with friends in the corridors.
- In shops and malls where you have fun shopping or eating out or just chilling with family and friends.
- In offices where your family members go to work.
- In a museum that took your breath away.
- In a theatre where you watched your favorite hero.
- In a temple where you prayed hard and healed.
- In the sports complex where you hit the perfect shot.

**These buildings have a power to affect your lives in meaningful ways. These buildings will shape your experiences and help you live a happier life.**

**As an architect you can make these meaningful buildings for your community. One of the most satisfying feeling as an architect is seeing your design built and being used by the people you designed it for. Architects have the power to protect and enrich people's lives by designing the world around.**

## Why should you think of becoming an architect?



# How do you know that you are suited for becoming an architect?

- Do you want to put your creativity to good use?
- Do you enjoy solving puzzles and thinking about how things work?
- Do you want to learn new things everyday for the rest of your life?
- Do you want to travel and see new places?
- Do you like to be a leader in your community?
- Do you like to interact with people?
- Do you want the flexibility of being self-employed or working for an employer?
- Do you care for the environment?
- Do you want to make money, become famous and do good in society?

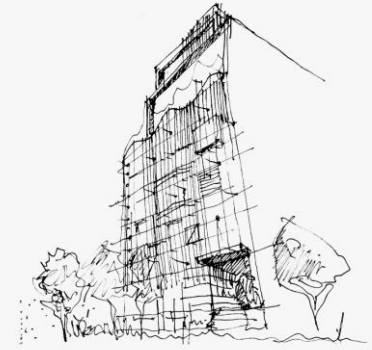
If *YES*

*Then become an Architect*





# Is a career in architecture right for you?



- You don't need to be a math genius or an exceptional artist to become an architect.
- These skills are helpful but what is more important is your curiosity and hard work.
- Architecture education and practice will require you to be an adaptable problem solver.
- You will learn both technical and creative skills that will help you design safe, functional and beautiful buildings.
- You will have the flexibility of running your own practice or working in government organizations, under a private architect or teaching.
- You have the flexibility of many more options after taking a degree in architecture.
- You can become a journalist, a landscape architect, a product designer, interior designer, town planner, heritage restorer, lighting architect, furniture designer, photographer, video game designer, movie set designer and many more.

# What do you learn in architecture college?



- You sketch and create art.
- You make models of buildings you design.
- You learn history of architecture.
- You design buildings, of course.
- You learn technical details in building construction.
- You understand the theories explaining why a design looks good.
- You experiment with how do you make a building stand.



# How to get into an architecture college?

## BArch Entrance Exams

- **National Aptitude Test in Architecture (NATA)** - One of the most popular architecture exams in India, NATA is conducted twice annually to give the eligibility factor for BArch admissions into the colleges.
- **JEE Main Paper 2** - Conducted by the National Testing Agency (NTA), JEE Main Paper 2 is the gateway for BArch admissions into NITs, IITs and GFTIs and also various private colleges.



## JEE MAINS PAPER 2-

### AGE LIMIT

For appearing in the JEE (Main) 2021, there is no age limit for the candidates. The candidates who have passed the class 12 / equivalent examination in 2019, 2020, or appearing in 2021 irrespective of their age can appear in JEE (Main) 2021 examination.

### YEAR OF APPEARANCE IN QUALIFYING EXAMINATION

Only those candidates who have passed Class 12 / equivalent examination in 2019, 2020 or 2021; or those who are appearing in Class 12 / equivalent examination in 2021, are eligible to appear in JEE (Main) 2021.

### STATE OF ELIGIBILITY

State code of eligibility means the code of the State from where the candidate has passed Class XII (or equivalent) qualifying examination by virtue of which the candidate becomes eligible to appear in JEE (Main) 2021. It is important to note that the State code of eligibility does NOT depend upon the native place or the place of residence of the candidate.

### FOR COURSES IN NITS, IITs, AND CFTIS

Courses in NITs, IITs, and CFTIs participating through Central Seat Allocation Board will be based on All India Rank subject to the condition that the candidate should have secured at least 75% marks in the 12th class examination or be in the top 20 percentile in the 12th class / Qualifying examination conducted by the respective Boards.

### FOR ADMISSION IN B.ARCH.,

No candidate is admitted to the Architecture course unless she/he has passed an examination at the end of the qualifying examination with 50% marks in Physics, Chemistry, and Mathematics and also 50% marks in aggregate of the qualifying examination.

# SYLLABUS FOR JEE MAIN PAPER 2:-

PAPER	SUBJECTS	TYPE OF QUESTIONS	Mode of Examination
Paper 2A: B. Arch	Part-I: Mathematics  Part-II: Aptitude  Part-III: Drawing Test	Objective Type - Multiple Choice Questions (MCQs) & Questions for which answer is a numerical value.  Test Objective Type - Multiple Choice Questions (MCQs)  Questions to test drawing aptitude	“Computer Based Test (CBT)” mode only  “Pen & Paper Based” (offline) mode to be attempted on Drawing sheet



## For reservations of seat for JEE MAIN PAPER 2:-

- In the case of Institutes run by the Central Government, the reservation would be applicable as mentioned below:
  - i. 15% of the seats Scheduled Castes (SC) candidates.
  - ii. 7.5% seats for Scheduled Tribes (ST) candidates.
  - iii. 27% seats for Other Backward Classes (OBC) Non-Creamy Layer (NCL) candidates as per the Central List\*.
  - iv. 10% of the seats for General Economically Weaker Sections (General -EWS) candidates.
  - v. Persons with Disability (PwD) with 40% or more disability.
- For SC/ST candidates the qualifying marks would be 65% in the 12th class/qualifying examination.

# JEE (ADVANCED)-

## ACADEMIC QUALIFICATION

The minimum academic qualification for appearing in JEE (Advanced) - 2021 is that the candidate must have passed in final examination of Class 12 or equivalent qualifying examination with at least 75% aggregate marks (65% for SC, ST, and PwD) or being in the top 20 percentile of the successful candidates in their respective Board examinations.



## FOR ADMISSION TO UNDERGRADUATE PROGRAMS

All the candidates aspiring to take admission to the undergraduate programs at IITs for the year 2021 have to appear in the B. E. /B. Tech. of JEE (Main)-2021. Based on the performance in the B. E. /B. Tech. of JEE (Main)-2021, number of top candidates as per the requirement of JEE (Advanced) (including all categories) will be eligible to appear in JEE (Advanced) 2021.



## NUMBER OF ATTEMPTS

A candidate can attempt JEE (Advanced) a maximum of two times in consecutive years irrespective of whether or not he/she passed the Qualifying Examination. The candidates, who have attempted JEE (Main) /JEE (Advanced) in 2020 or earlier, are NOT ELIGIBLE to appear in JEE (Advanced)-2021.

## OTHER INSTITUTIONS

The candidate who had taken admission in any institute other than IITs in 2020 is eligible to appear in JEE (Advanced)-2021 provided that the candidate satisfies other eligibility criteria.

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## NATIONAL APTITUDE TEST IN ARCHITECTURE (NATA) -

### FOR ADMISSION TO B.ARCH

The admission authority may give a maximum weightage of 50% to marks obtained in NATA and a maximum weightage of 50% to marks obtained in qualifying examination i.e. 10+2 examination or 10+ 3 Diploma.

### ELIGIBILITY CRITERIA

No candidate shall be admitted to architecture course unless he has passed an examination at the end of the 10+2 scheme of examination with at least 50% aggregate marks in Physics, Chemistry and Mathematics and also at least 50% marks in aggregate of the 10+2 level examination or passed 10+3 Diploma Examination with at least 50% marks in aggregate.

### APPEARANCE CRITERIA FOR NATA

Candidates who have completed their 10+2 examination with Physics, Chemistry and Mathematics or 10+ 3 Diploma with Mathematics as subject of study can appear for NATA2021. Candidates appearing for 10+2 examination with Physics, Chemistry and Mathematics as subjects of study or 10+3 Diploma with Mathematics in the current year may also provisionally appear for NATA-2021.

### NUMBER OF TESTS ONE CANDIDATE CAN TAKE

candidate can take a maximum of two tests. Candidates can register themselves either for first test or second test OR for both by filling in the application form appropriately.

### RESERVATIONS

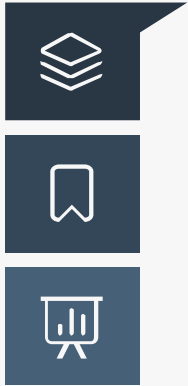
Reservation as well as relaxation in qualifying marks for the reserved category for the purpose of admission is a prerogative of the Admission/ Counselling Authority and does not fall under the purview of this examination.



## SYLLABUS FOR NATA EXAM :-

- Syllabus for Mathematics and Physics in NATA
  - i. Knowledge gained in the required subjects of study such as Mathematics, Geometry and Physics over the years of schooling will be tested as relevant to the field of Architecture. The candidates will be tested on their overall knowledge of concepts only.
- NATA is an Aptitude test that assesses a candidate's innate ability through a variety of testing formats and cannot be taught, learnt or induced. Hence, there can be no fixed syllabus or pattern as aptitude can be measured through various testing formats/techniques. Aptitude will be tested for the chosen field of study, which in this case is Architecture.





**SOURCES:-**