



AAKAAR | IIT BOMBAY

presents

Envign

High-rise architecture competition

Design a Skyscraper from an architectural
perspective on an exciting and intriguing
theme



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AAKAAR IIT BOMBAY

Aakaar, IIT Bombay is the annual technical festival of the Department of Civil Engineering, IIT Bombay. Aakaar is acting as an excellent platform for students across the country, giving them opportunities to showcase and enhance their skills at the highest level since its inception in 2009.

Aakaar is India's largest civil engineering festival. Many exciting competitions are held in Aakaar, such as International Civil Engineering Symposium, Bridge-It, Conquer-It, Civil Engineering national exhibition, Smart Pitch, which let the students compete and enhance their practical knowledge. As a part of a knowledge-sharing endeavor, many software workshops are conducted viz, E-tabs, Autodesk Civil 3D, Staad-Pro, BIM, Revit, etc. National level Civil Engineering Quiz Competition is conducted every year named CiviQ. And many more fun events are a part of Aakaar, which makes the learning a fun

Aakaar, in its **13th edition**, is all set to scale new heights with many new events and competitions providing an excellent platform for aspiring civil engineers to explore and learn about the stream's vastness. It instigates students to innovate, create and learn through exciting events and competitions.

INTRODUCTION

Architecture is more than just a building; it is capable of serving deeper functions. We are surrounded by Architecture around us, we walk through it, we live in it, and we are a part of it.

AAKAAR IIT Bombay 2021 is pleased to invite architects, students, engineers, designers, and artists to participate in the Envizn - High-rise architecture competition. The purpose of the Envizn is to generate design ideas for iconic high-rise buildings in cities around the globe.

The competition focuses on outstanding ideas that redefine skyscraper design by implementing novel technologies, spatial organizations, materials, and aesthetics, along with studies on globalization, flexibility, adaptability, and the digital revolution. Anyone having BIM software knowledge, artistic skills, and architectural aptitude can participate in the competition.

The designs are not required to be checked by doing structural analysis. It is all about the creativity and design expertise, which this competition focuses upon.

You just need to select an intriguing theme and give shape to your imagination through the Skyscraper.



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THEMES

Participants are free to choose their theme, they must provide a title and short info about it, and the design must be consistent with that subject.



Some theme ideas for skyscraper design:

- Presenting some religious/sectarian/pre-historic connections
- Vaastu incorporated Skyscraper
- Healthcare Emergency Skyscraper
- Vertical green spaces for urban areas
- Creation of a dynamic and adaptive vertical community
- Pandemic emergency skyscraper
- The dynamic equilibrium between man-nature-culture
- Biomimicry skyscraper

These are only basic ideas; There is no compulsory condition to choose from the given themes. Participants are encouraged to come up with their creative themes.

TEAM SIZE

Participate in teams of a maximum of 3 members, and we also encourage multidisciplinary members. Individual participation is also allowed. Participants from different colleges/organizations can form a team.



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ELIGIBILITY:

1. Age Limit: 25 Years
2. Each team member should be a student of some recognized college or school irrespective of specialization.

SOFTWARE

Any BIM software.

SPECIFICATIONS

Participants are required to accommodate the following functions, along with their primary function corresponding to their theme.

- The building should be a tower with a minimum of 15 floors.
- There is no maximum building height defined. However, the building's size should be architecturally compatible. Hence, the area of floor and building height should be chosen carefully.
- It should be assumed that there are no neighbourhood buildings or amenities nearby. However, if your project idea is specific to some location or a particular site, you may ignore this point. In this case, you will have to describe your site and also submit images of the site.
- There should be a parking space.
- There should be a small garden (Greenery) and a swimming pool.
- There are no restrictions for underground construction if your design proposal suits that.



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STRUCTURE OF COMPETITION

STAGE 1

- **SUBMISSIONS:**

- One A2 size sheet**

- The sheet must illustrate the following:

- I. Design Idea / Concept sheet
 - II. Report: Briefly describing the Design Idea (Maximum 4000 characters, not including spaces)
 - III. Images (If some specific site or location has been chosen)

- **DEADLINE: 25-Feb-2021**

STAGE 2

- **SUBMISSIONS:**

- Two A2 size sheets**

- I. Graphic plans (floor plans, sections, views, diagrams), in proper scale and sufficient to describe the project.
 - II. 3D views (renderings, sketches, or photographs of models)
 - III. Video Walk-through (Optional)

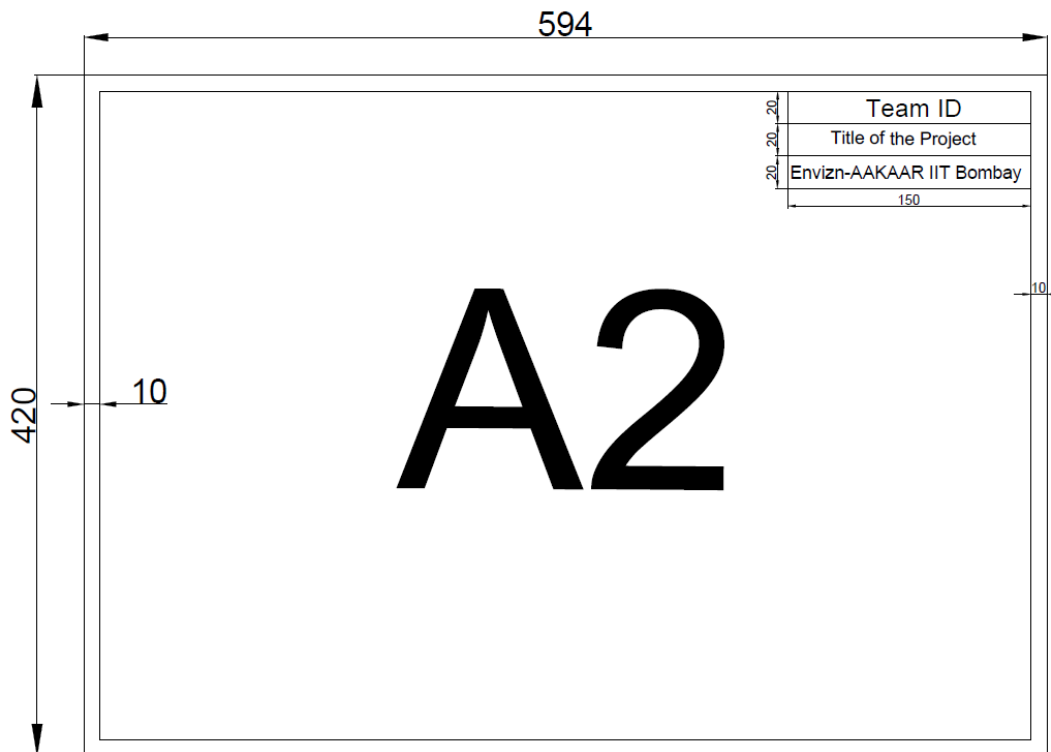
- **DEADLINE: 13-March-2021 (Hard Deadline)**



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FORMAT OF SHEET:

<https://drive.google.com/file/d/1azDBbwQ27spkEBOGPdHHx2wt72n5rKms/view?usp=sharing>



On every sheet at the top-right corner, the Team ID and title should be written. Any other thing mentioned will be against the rules and may result in a severe penalty.

NOTE

All submissions have to be done in **PDF format only**. (Except the Video Walkthrough)



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SUBMISSIONS

This is a digital competition, and no hardcopies are necessary.

Aakaar is now operating on Moodle-Learning Management System

(<https://aakaariitb.gnomio.com/>).

All your submissions will be made there.

We will add the team leader of each team on the Aakaar Moodle. He/she will only make the submissions on behalf of the whole team.

Moodle login instructions for Envizn participants:

<https://drive.google.com/file/d/1chyTtoMQTMtvv3LB49XIz6gdWHA7aa78/view?usp=sharing>

The team leader will be provided a Username for logging into Moodle. That Username will also be used as a Unique ID for the team.

The drawings, reports, and all submissions should be made using that Unique Team ID only without disclosing any credentials of any team member.



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JUDGING CRITERIA

The judging of Designs entirely depends on the Jury panel. However, the following points would be gauged while judging.

- The proposal should present a robust overall design vision or strength of concept or iconic design theme
- The design should avoid both monotonous similarity and excessive dissimilarity with existing structures, making it infeasible.
- The size, shape, and scale of the structure should be architecturally compatible and should serve the proper functionality of the building if intended to. For instance, the project, if it aims for more functionality, should serve that purpose.
- Good architectural spatial integration and arrangement of the building
- Extent of Uniqueness, innovation and originality.
- The design should be practical and feasible.
- The materials and colours should give a beautiful look to the building for passers-by as well as to the residents living in it. Must have the capacity to inspire, engage and delight its occupants, visitors, and passers-by.
- Suitability of design to the competition brief: The ability to translate and interpret lucidly and creatively the program of spaces and necessities as per the theme chosen and report submitted. Design vision must be reflected in all aspects of the design. The design must fit its purpose, especially in response to the theme.



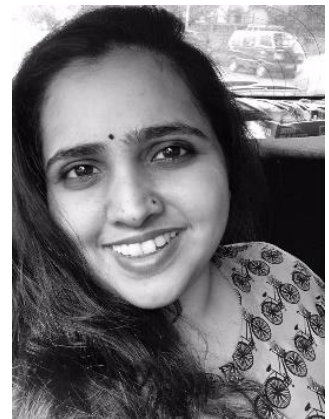
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JURY PANEL



Subin Selva is an architect and photographer. He has done several professional architectures and interior shoots for Gauri Khan designs, Talathy Panthaky, Central Railways, and so on. Subin is an academician by heart, with technology as his biggest strength. Besides photography, Subin has been involved in teaching a wide range of technology spectrum at the IES college of Architecture since 2013. Subin has always been interested in exploring the Visual communication inform of 2d and 3D softwares like Revit, Sketchup, Autocad, Photoshop, Indesign, 3D max, Rhino, Dynamo, and so on. He is self-taught and explores the softwares for its optimum use.

Manasi Chokshi is an assistant professor at the IES College of Architecture, Mumbai, teaching a range of subjects for six years. With a Master's degree in Theory and Design from CEPT University, she also has a post-graduate diploma from Mumbai university in Comparative Mythologies. Architecture, urbanism, Research, Writing also has been a primary mode of expression, and she has contributed to veteran Architect and teacher Kulbhushan Jain's book on education in architecture titled 'Learning architecture.' She has also been a contributor and writer for the People Place Project books since 2016. Manasi has also bagged the 'Best teacher award in the Humanities category' 2019 from MASA (Maharashtra Association for schools of Architecture)





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INCENTIVES

- Total prize pool **30,000/- INR**
- **Certificate of participation** for each team member from AAKAAR IIT Bombay.
- Top designs will be featured in **Construction world magazine**.
(<https://www.constructionworld.in/>)
- **Honourable Mention** of winners along with their designs on all social media pages of AAKAAR IIT Bombay.
- Many more exciting opportunities

REGULATIONS

1. **Contacting the Jury is prohibited.**
2. **The decision of the Jury will be final in all cases.**
3. **AAKAAR IIT Bombay**, as the competition organizer, reserves the right to modify the competition schedule if deemed necessary.
4. Participants will and must retain all copyrights of their designs.
5. Teams not submitting in stage 1 will be disqualified and no certificate will be provided to disqualified teams.
6. Queries related to the competition will be entertained **only by mail**. Mail id for any query is mentioned below.
7. Any query related to this competition should be asked by **Team Leader only**.
8. The team will be disqualified if any of the competition rules are violated.
9. Participation assumes acceptance of the regulations.
10. Only the team leader will do submissions using the **Unique ID** provided, which will also be used as a **Username** for Aakaar Moodle. So he/she must not change his/her Username of Aakaar Moodle.



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CONTACT INFORMATION

For any queries regarding this competition, the Team leader needs to put them on the discussion forum once he/she gets added to Aakaar Moodle. (Preferred)

Note: Only the team leader will communicate on behalf of the team.

Alternately you can also mail at hemant.aakaariitb@gmail.com (Subject: Query regarding Envizn competition: Team Leader Name_Competition ID)

Please avoid contacting AAKAAR team members directly without following the above steps.

PS: You are advised to start designing as soon you register as it might be time taking.

Website: <https://aakaariitb.in/competitions/>

ALL THE BEST!!!
TEAM COMPETITIONS,
AAKAAR 2021
