# INSTITUTION'S PARTICIPATION IN VARIOUS COMPETITIONS

# 2023 - 2024

Satish Misal Educational Foundation's
BRICK
SCHOOL OF ARCHITECTURE

COMPETITIONS PORTFOLIO HANDLED BY
Ninad Rewatkar
Vinita Lulla
Sudhir Deshpande

# COMPETITIONS PORTFOLIO

At Brick, we believe in multi-disciplinary interaction and exposure to various challenges at National and international level.

With this vision in mind, we have a dedicated competitions cell through which students are encouraged to participate in various competitions which are global. Competitions help vertical interaction within the institute along with alumni as well Competitions help students get better with multi tasking, time management and get comfortable working with various professionals.

Often students also team up with faculty and students from other disciplines, so they are more aware of other fields and experts.

Overall competitions have contributed in a positive way and had definitely boosted students confidence and is a definite value addition on their resume!

# INSTITUTION'S PARTICIPATION IN VARIOUS COMPETITIONS

| Year | 2023 - 24 |
|---|---|
| **Number of winner teams** | **Name of competitions** |
| **1** | 1. UNFOLD 0.2 |
| **1** | 2. THE UNDERGRAD THESIS PROJECT BY ARCHDAIS |
| | 3. INTUITURE 2075 |
| **1** | 4. UDL THESIS PUBLICATION 2023 |
| **1** | 5. ARCHMELLO THESIS OF THE YEAR AWARD |
| **4** | 6. TASA |
| **1** | 7. ACARA ROOKIES |
| **2** | 8. PCERF |
| **1** | 9. IGBC 2023 |
| **1** | 10. ARCHMELLO HIGHNESS |
| **2** | 11. THE DRAWING BOARD |
| **1** | 12. TINY HOUSE |
| **2** | 13. ARCHITECTURAL GRAPHIX |
| **2** | 14. GRAPHISOFT |
| **1** | 15. ARCHUMEN QUIZ |
| **2** | 16. AIS DESIGN OLYMPIAD 2023 - 2024 |
| **2** | 17. SOLAR DECATHLON 2023 - 2024 |

# INSTITUTION'S PARTICIPATION IN VARIOUS COMPETITIONS

# 2023 - 2024

# JUNE 23

Satish Misal Educational Foundation's
BRICK
SCHOOL OF ARCHITECTURE

COMPETITIONS PORTFOLIO HANDLED BY
Ninad Rewatkar
Vinita Lulla
Sudhir Deshpande

# UNFOLD 0.2

**About the competition**

UNFOLD 0.2 was a prestigious event that aimed to provide Architecture students and professionals with an exceptional platform to showcase their design skills. The competition was centered around Parametric Design ideation and Digital fabrication, fostering an environment that encouraged creativity and innovation within the realm of architecture. By participating in UNFOLD 0.2, individuals had the opportunity to explore new design possibilities and push the boundaries of traditional architectural practices.

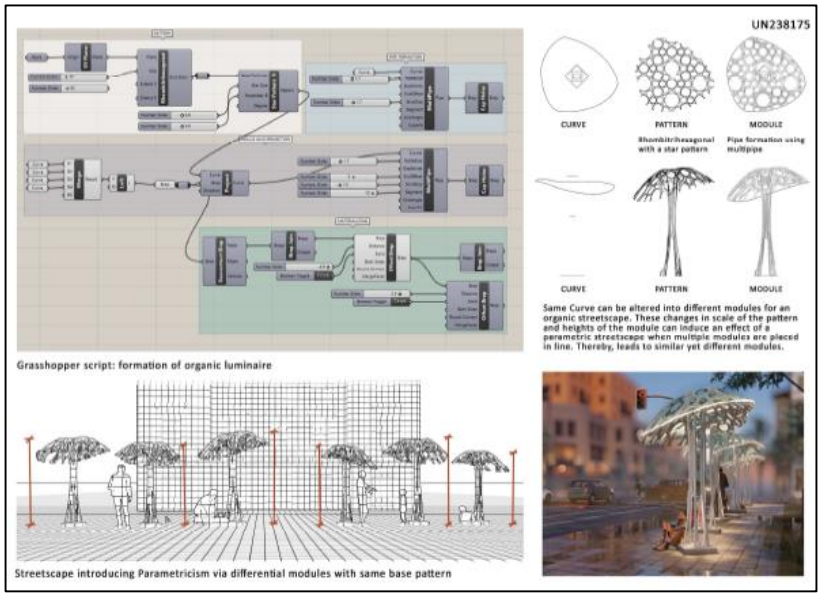
**STUDENTS PARTICIPATED**

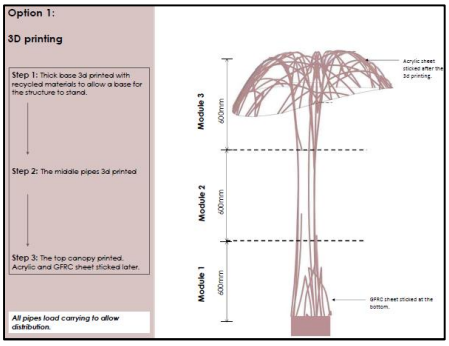
Simran Sond
Saurabh Sahane
Shruti Khandelwal
Vanshika Parikh

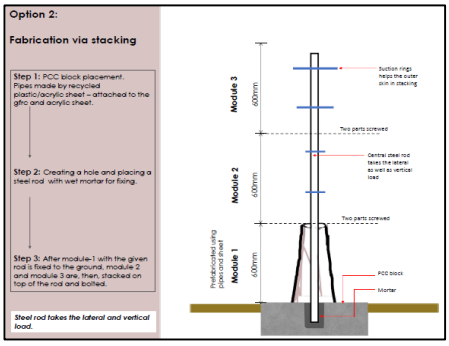
# UNFOLD

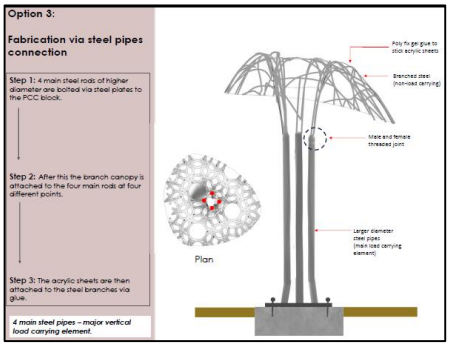
## Photographs

## Students Work



**CERTIFICATE**

# INSTITUTION'S PARTICIPATION IN VARIOUS COMPETITIONS

# 2023 - 2024

# JULY 23

Satish Misal Educational Foundation's
BRICK
SCHOOL OF ARCHITECTURE

COMPETITIONS PORTFOLIO HANDLED BY
Ninad Rewatkar
Vinita Lulla
Sudhir Deshpande

# The Undergrad Thesis Project by Archdais

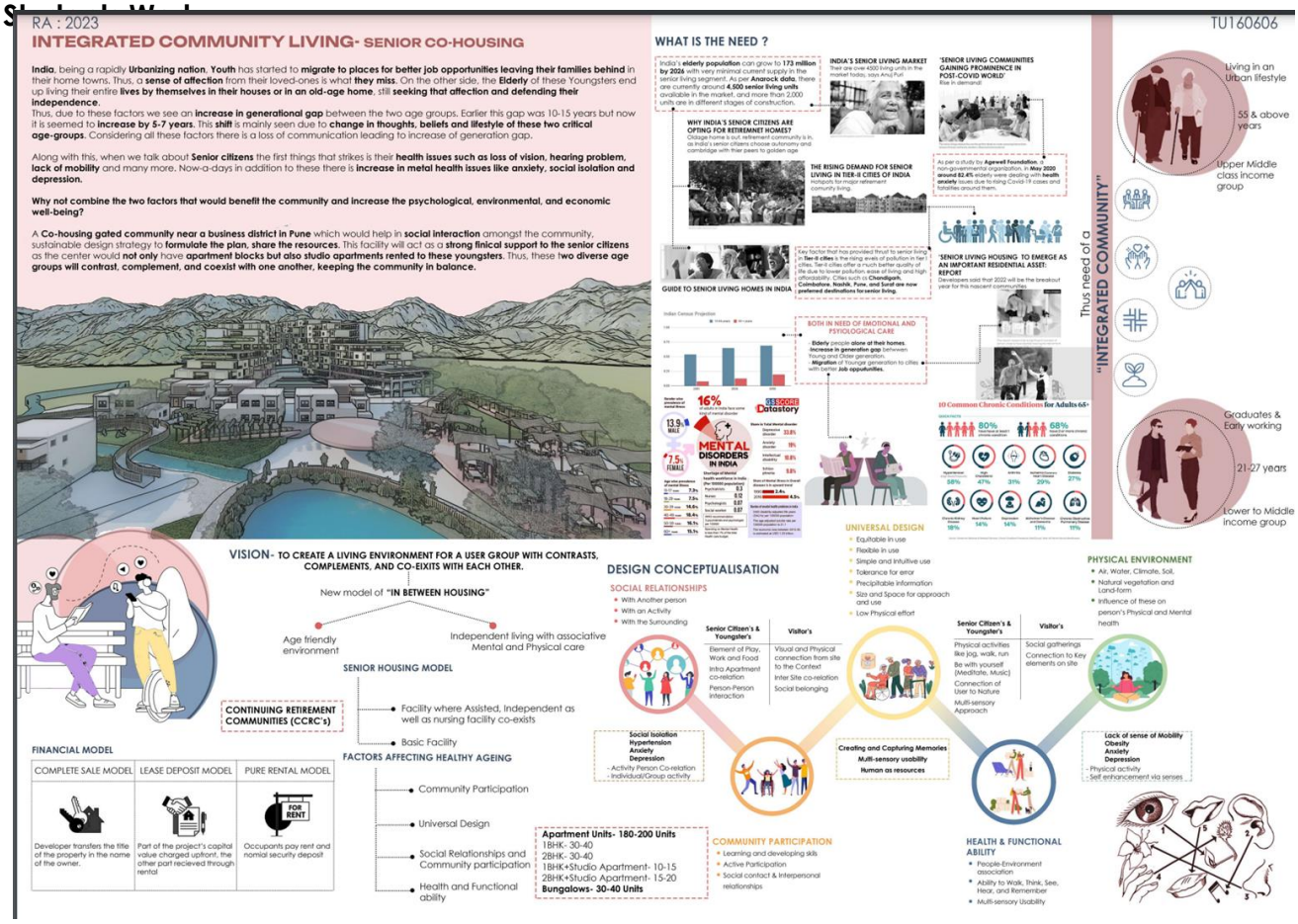
## About the competition

Recognising Architectural Innovation
Closing the inaugural season of our Undergrad Thesis Competition, we celebrate an impressive display of talent and innovation. This global platform showcased architectural creativity, inspiring future scholars and earning deserved recognition.
We're delighted to reveal the winners, honourable mentions, and top 25 submissions. Each exhibited extraordinary architectural acumen, setting a high bar for future contests. Explore these exemplary works on our website and media platforms. Heartfelt congratulations to all participants for making this event a resounding success. Stay tuned for more exciting opportunities in the world of architecture!

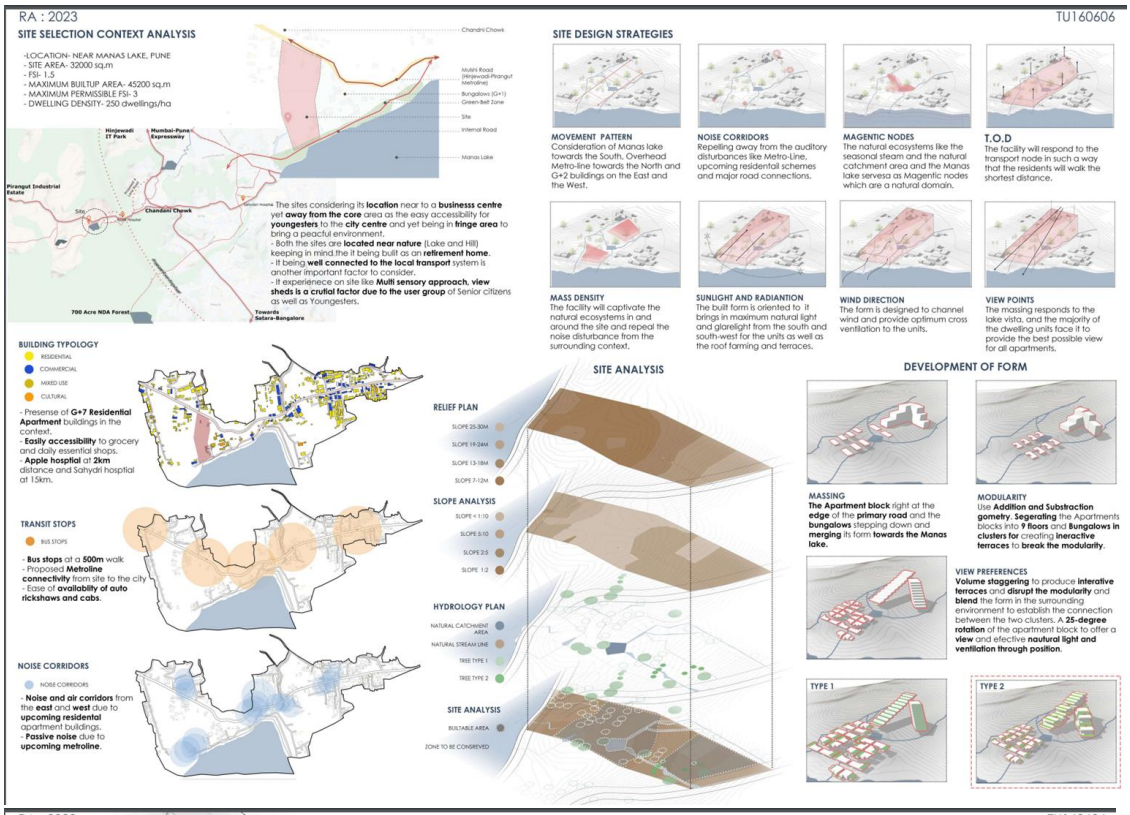
**STUDENTS PARTICIPATED**
Akanshka Oak

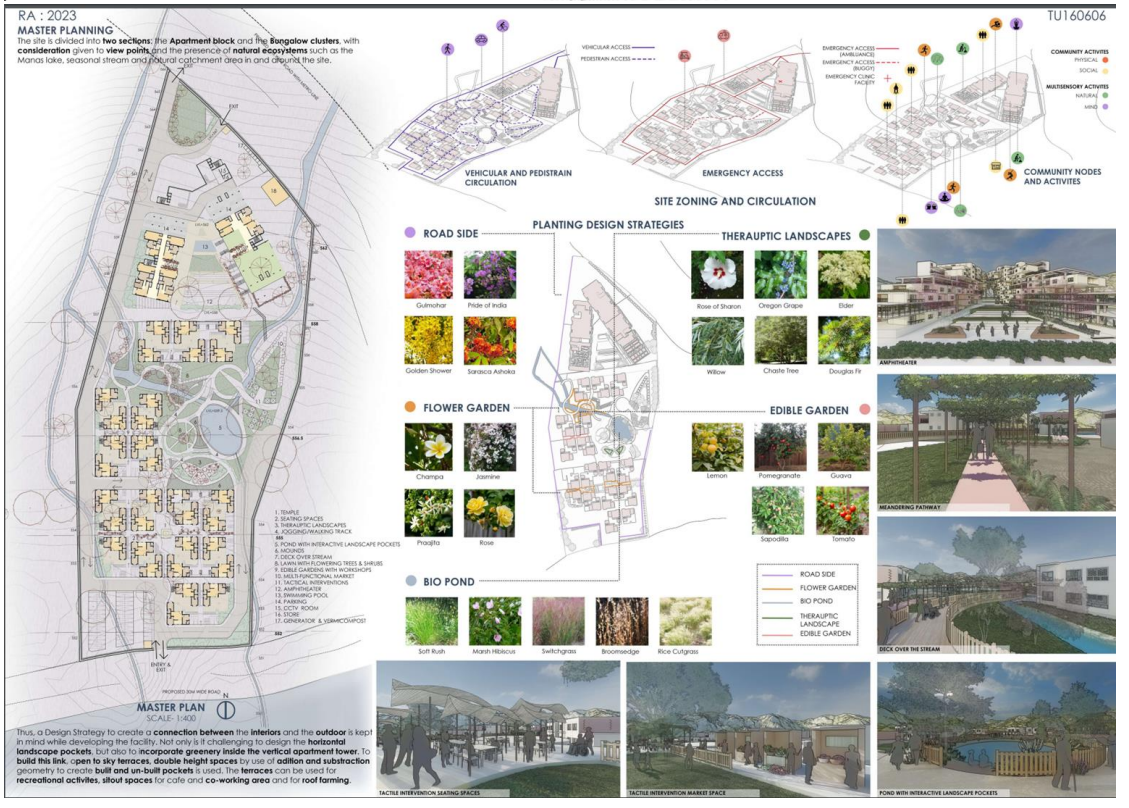
# The Undergrad Thesis Project by Archdais

## Photographs

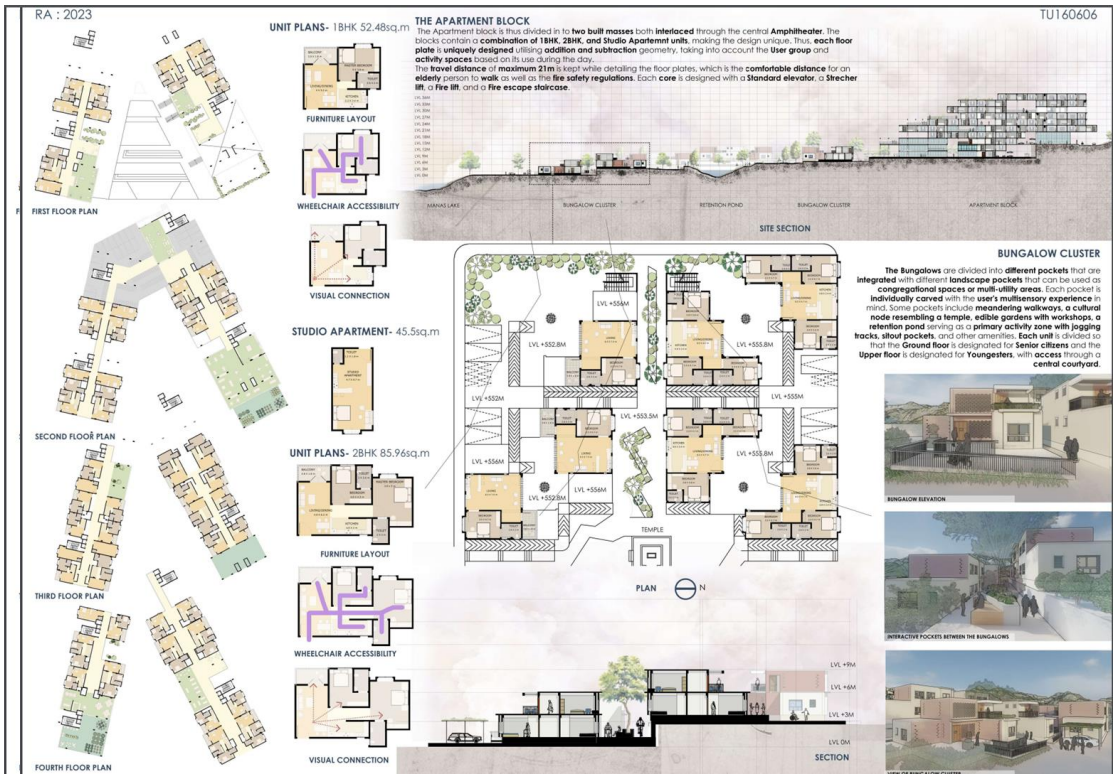


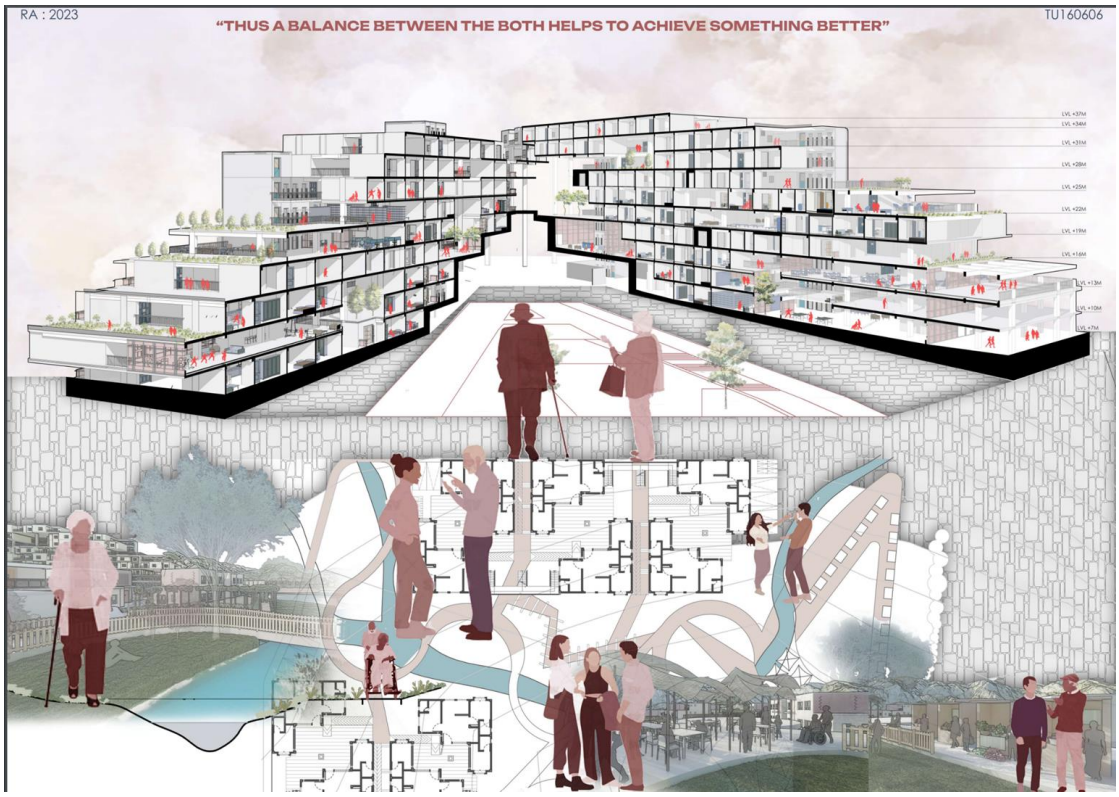
# The Undergrad Thesis Project by Archdais



# The Undergrad Thesis Project by Archdais



# The Undergrad Thesis Project by Archdais

archdais® Network Pvt. Ltd.

Certificate of Achievement

Date: 30th June 2023

This certificate is proudly presented to

**AKANKSHA OAK**

For being a part of **TOP 25** in the International Thesis Competition
***'THE UNDERGRAD THESIS PROJECT, SEASON 1 : VOLUME 1'***
organised by archdais.com

Gurmeet Sian
Jury

Laurent Troost
Jury

Gurjit S Matharoo
Jury

Dean D'Cruz
Jury

Rushikesh Kothari
Director

Archdais Network Pvt. Ltd.

# INTUITURE 2075

**About the competition**

Highly demanding and thrilling design competition creating exceptional opportunity for individuals and teams to showcase their passion and creativity in the field. By challenging contestants to think beyond conventional approaches, Intuiture2075 promises an exhilarating and professional platform to demonstrate exceptional skills and originality

**Write up & Poster**

**STUDENTS PARTICIPATED**

Dhruti muzumdar
Ansh Kadam
Tanvi Loyare

# INTUITURE

## Photographs

## Students Work

# INTUITURE

## CERTIFICATE

# UDL THESIS PUBLICATION 2023

## About the competition

The UDL Thesis Publication- 2023 is a significant resource for professionals and students in urban design, landscape, architecture, and planning. This comprehensive book showcases innovative projects from post-graduate and under-graduate students across 20 countries, highlighting the latest global trends and research in urban development. Featuring 37 selected thesis projects, the publication is a must-have for those seeking informative insights and inspiration in urban design and planning.

## Write up & Poster

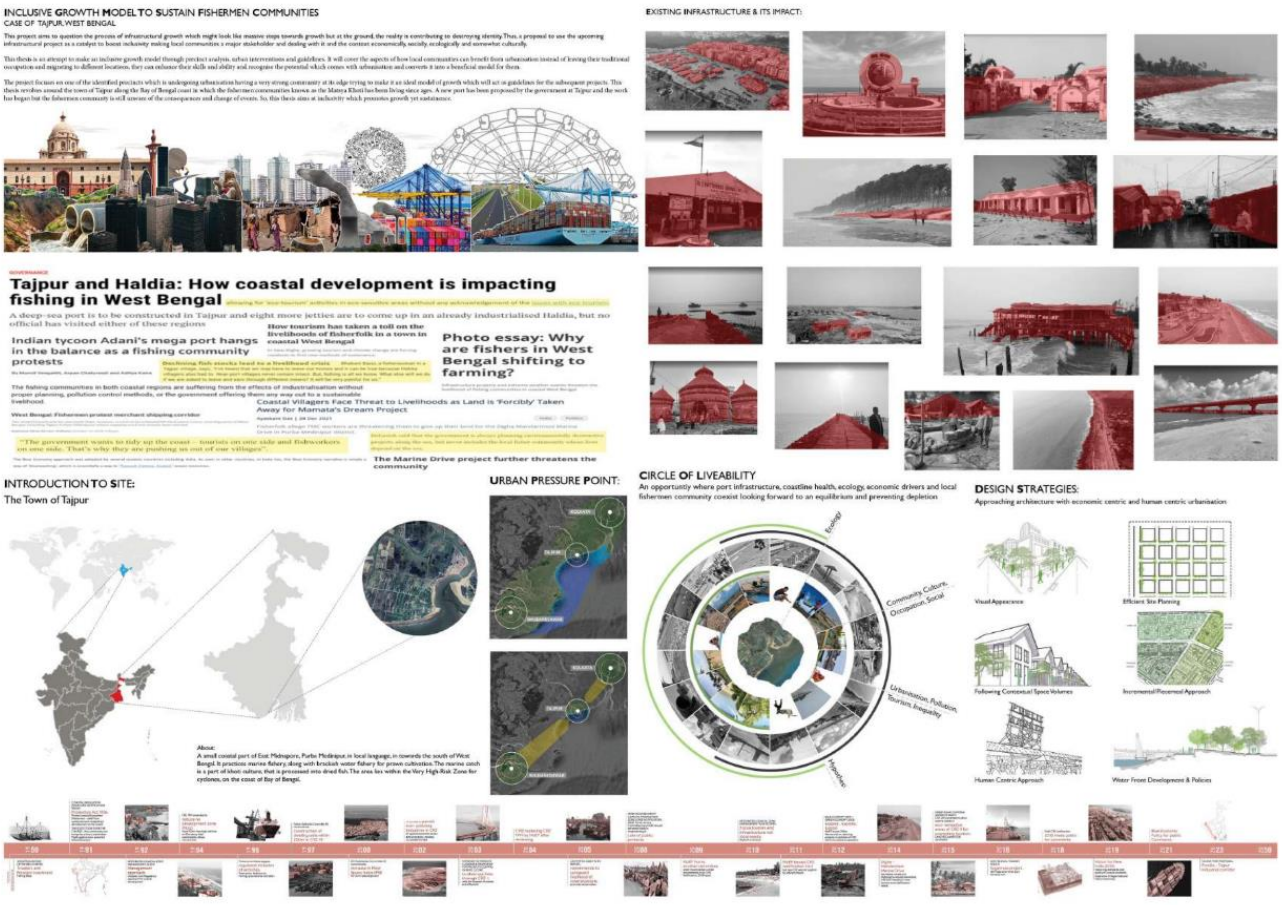
## STUDENTS PARTICIPATED

SHIVANGI AGARWAL

# UDL THESIS PUBLICATION 2023

## Photographs

Shivangi Agarwal



# UDL THESIS PUBLICATION 2023

# INSTITUTION'S PARTICIPATION IN VARIOUS COMPETITIONS

# 2023 - 2024

# AUGUST 23

Satish Misal Educational Foundation's
BRICK
SCHOOL OF ARCHITECTURE

COMPETITIONS PORTFOLIO HANDLED BY
Ninad Rewatkar
Vinita Lulla
Sudhir Deshpande

# ARCHMELLO THESIS OF THE YEAR AWARD

## About the competition

Thesis , the only studio in architecture wherein the student gets a chance to select the studio program of his/her choice. It provides an opportunity to the students to explore a particular design category, address any social – cultural – political issue through architecture or work on the futuristic theme for the betterment of the society.Architectural Thesis is a stage of going beyond & exploring new dimensions of designs. We believe six months of rigorous research & design creativity should be acknowledged. THESIS OF THE YEAR AWARD – 2023 is our small attempt to honor some of the best thesis works from around the globe.

**STUDENTS PARTICIPATED**

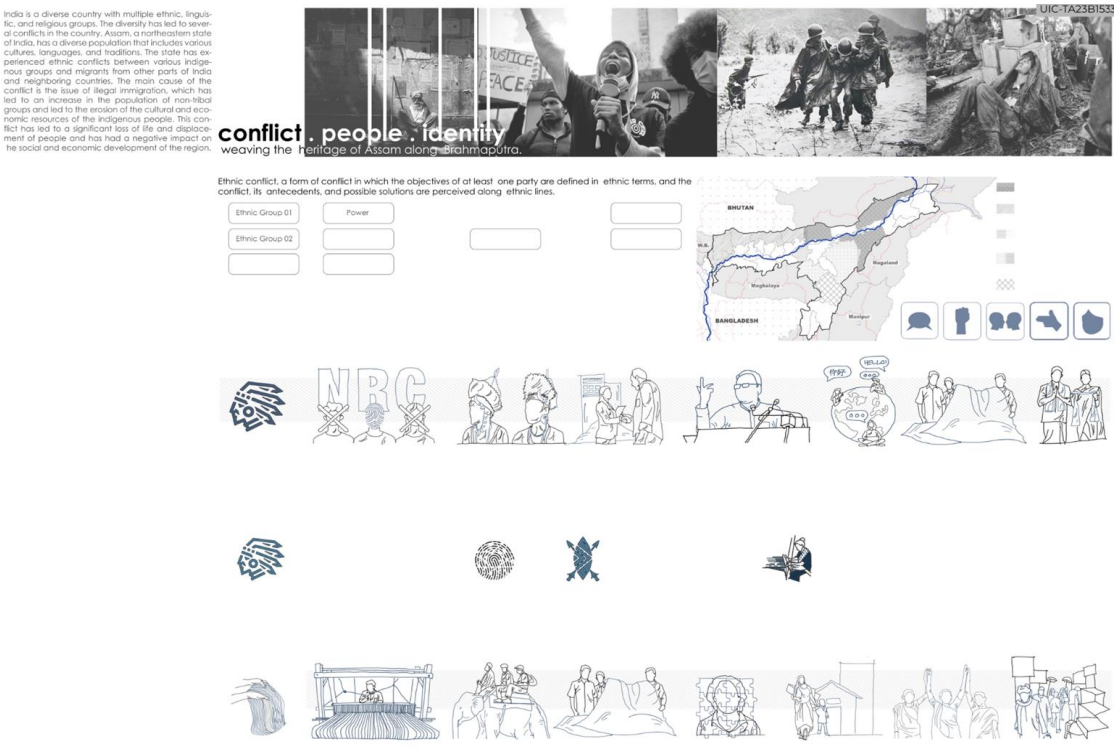
Amay Rathi, Riya Saira Georgi, Garima Mutha & Urja Laddha

# ARCHMELLO THESIS OF THE YEAR AWARD- Special Mention

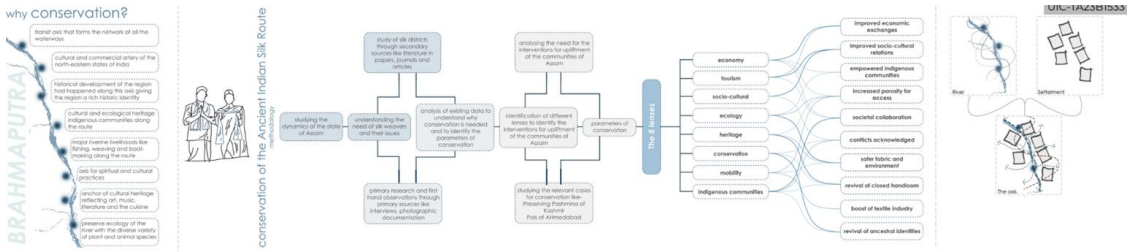
## Photographs

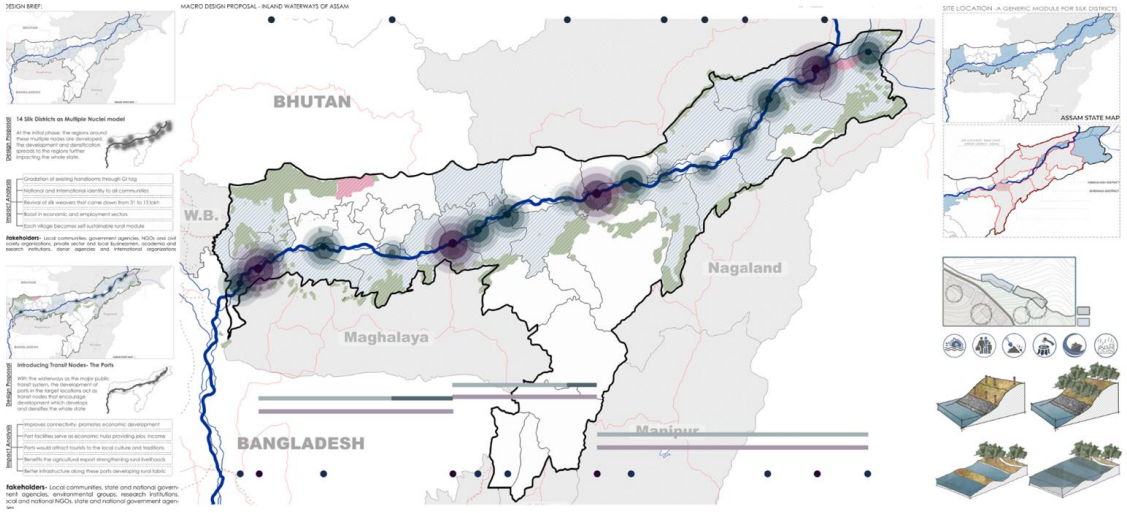
Amay Rathi

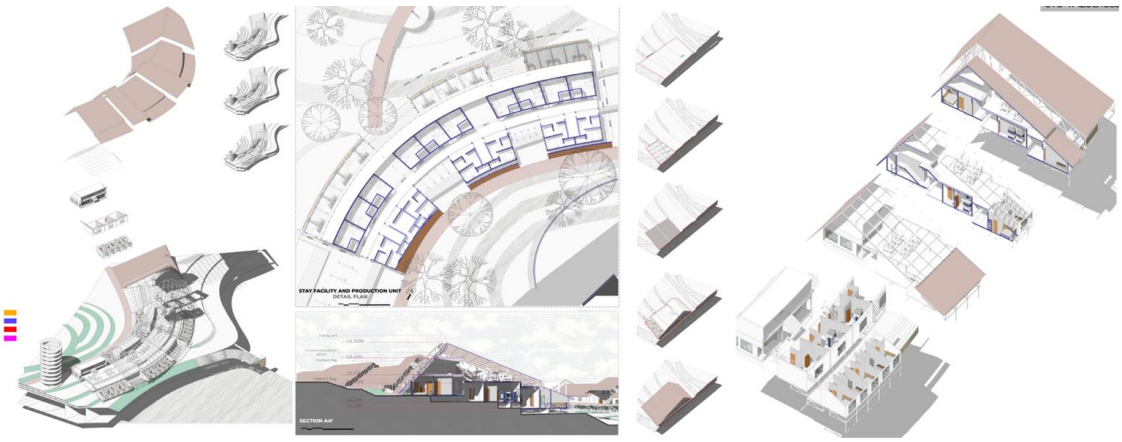
## Students Work



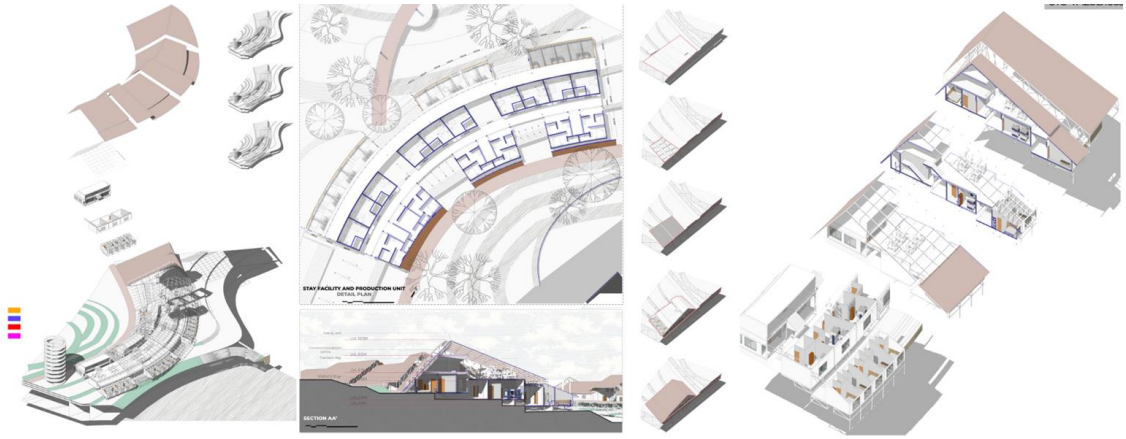
# ARCHMELLO THESIS OF THE YEAR AWARD- Special Mention



# ARCHMELLO THESIS OF THE YEAR AWARD- Special Mention



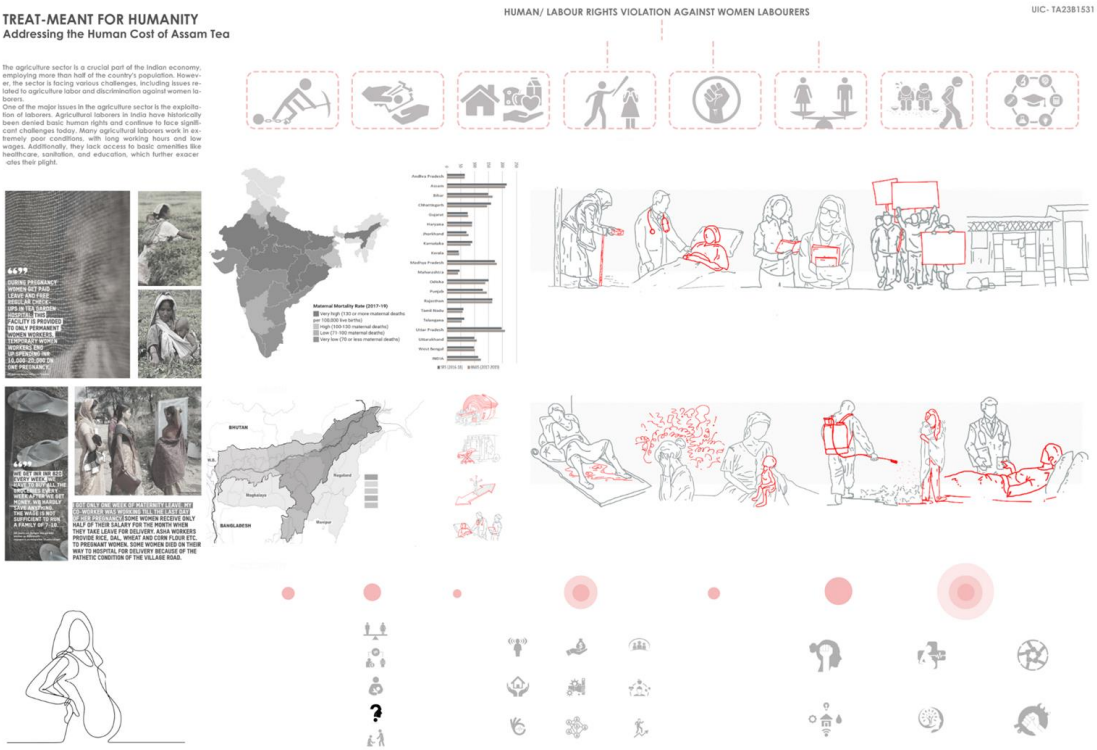
## ARCHMELLO THESIS OF THE YEAR AWARD- Special Mention

# ARCHMELLO THESIS OF THE YEAR AWARD- Top 10

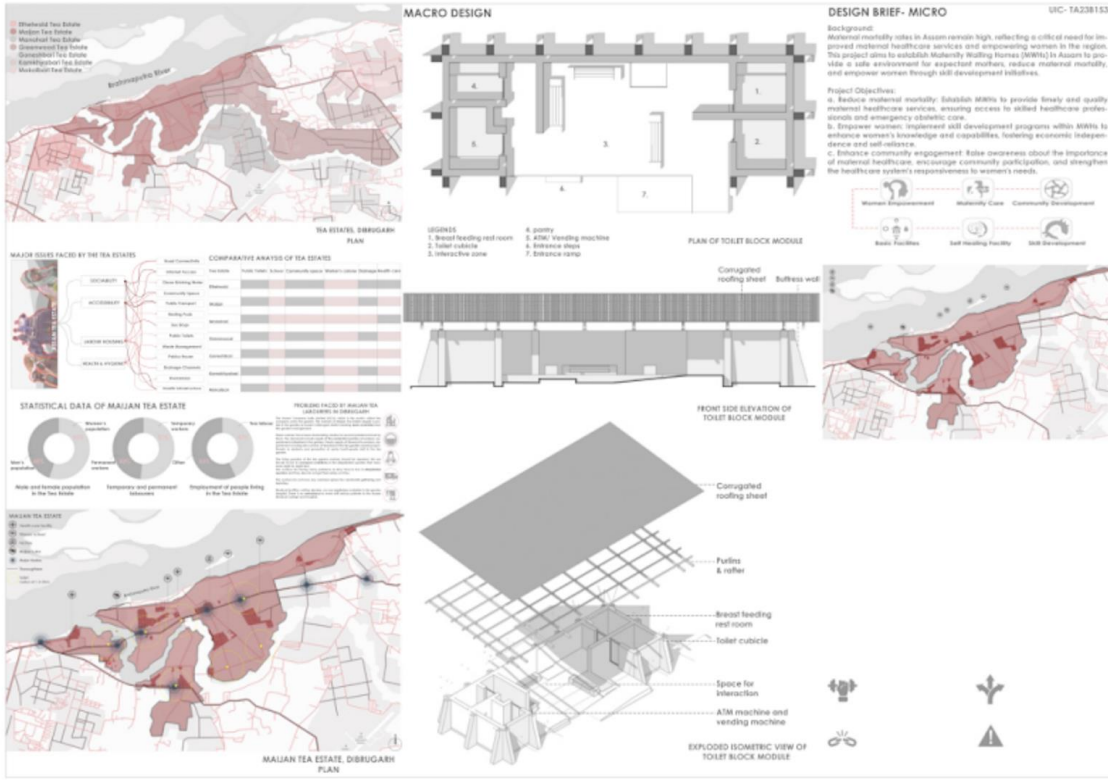
## Photographs

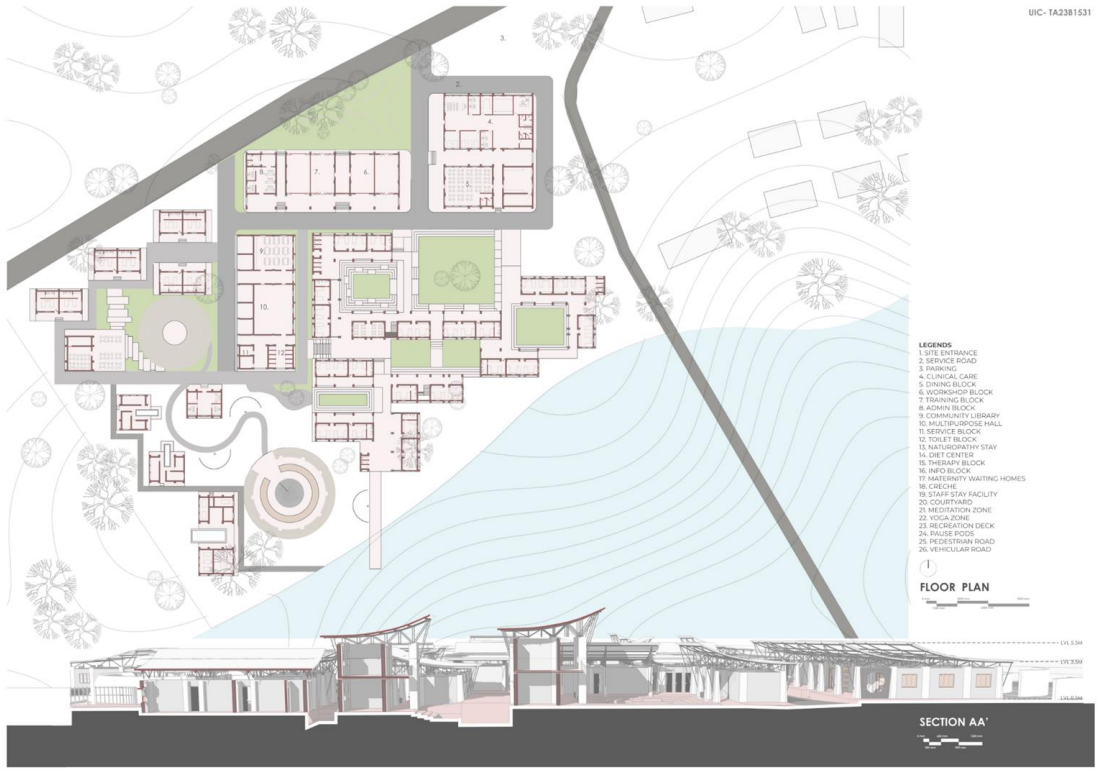
Urja Laddha

## Students Work

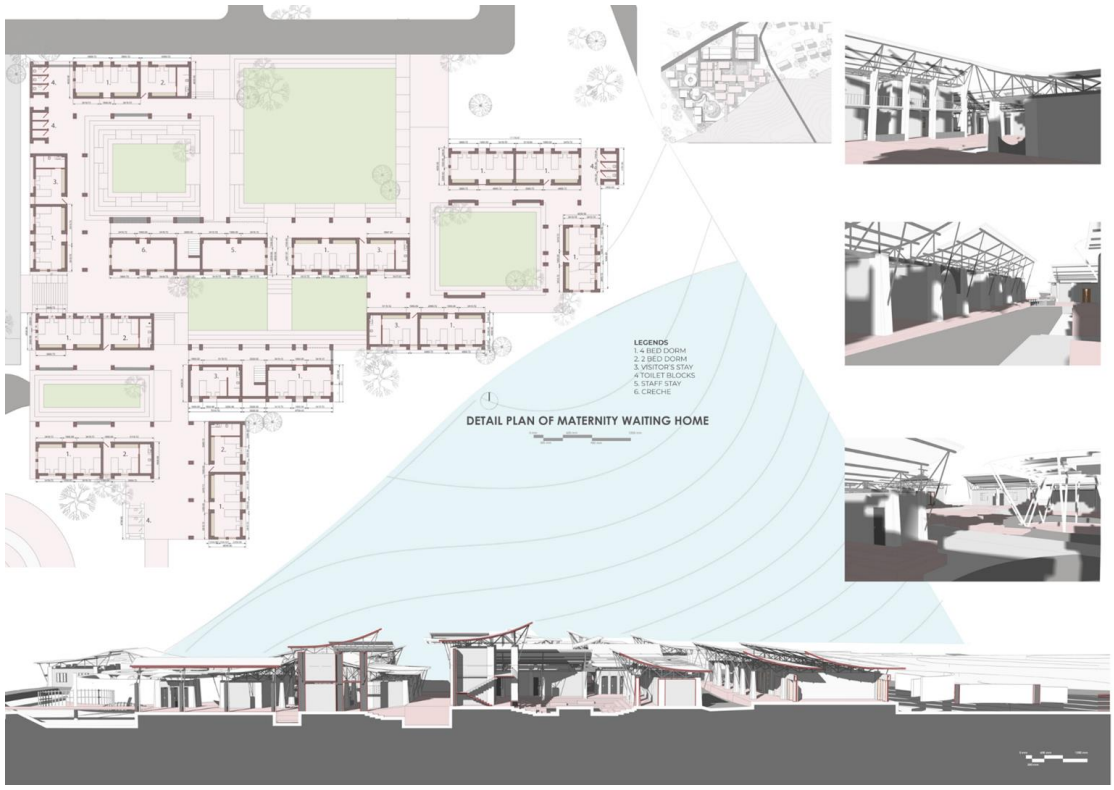


# ARCHMELLO THESIS OF THE YEAR AWARD- Top 10



# ARCHMELLO THESIS OF THE YEAR AWARD- Top 10



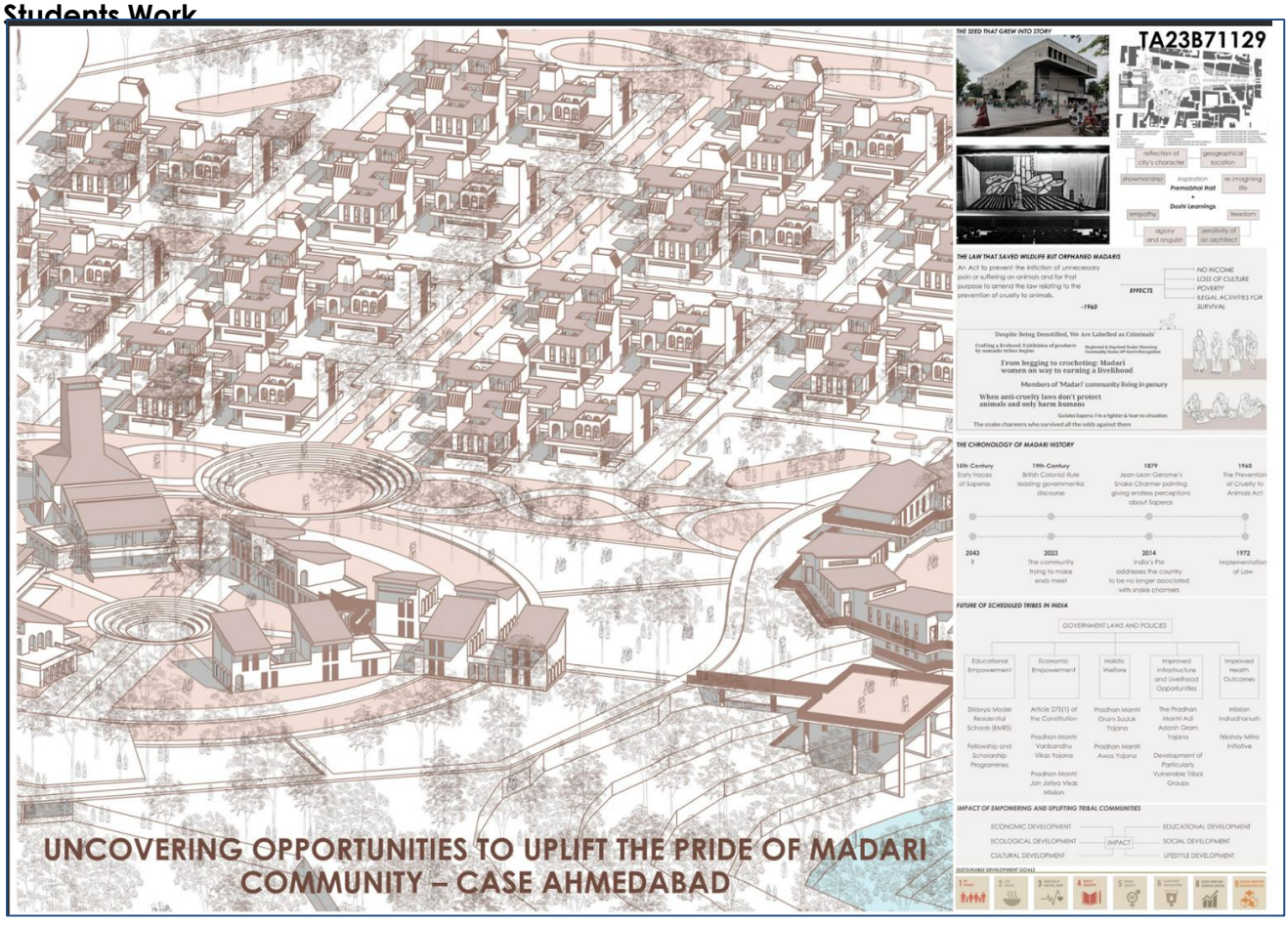
## ARCHMELLO THESIS OF THE YEAR AWARD- Top 10

# ARCHMELLO THESIS OF THE YEAR AWARD- Top 10

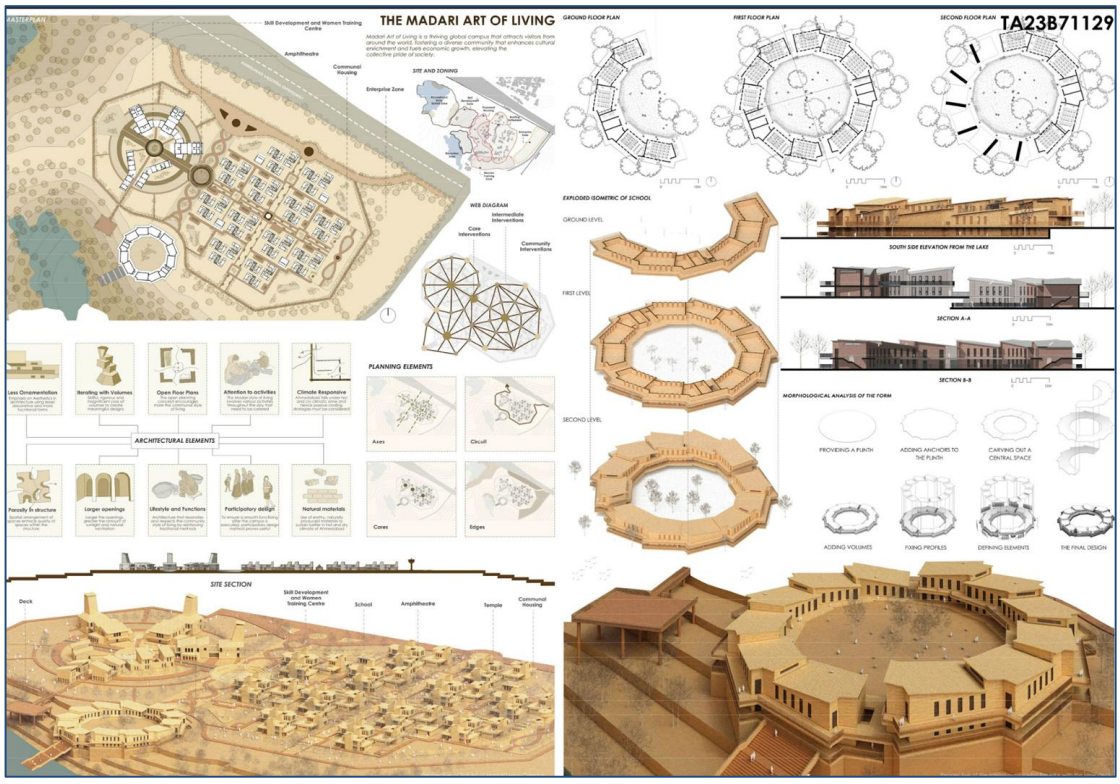
**Photographs**

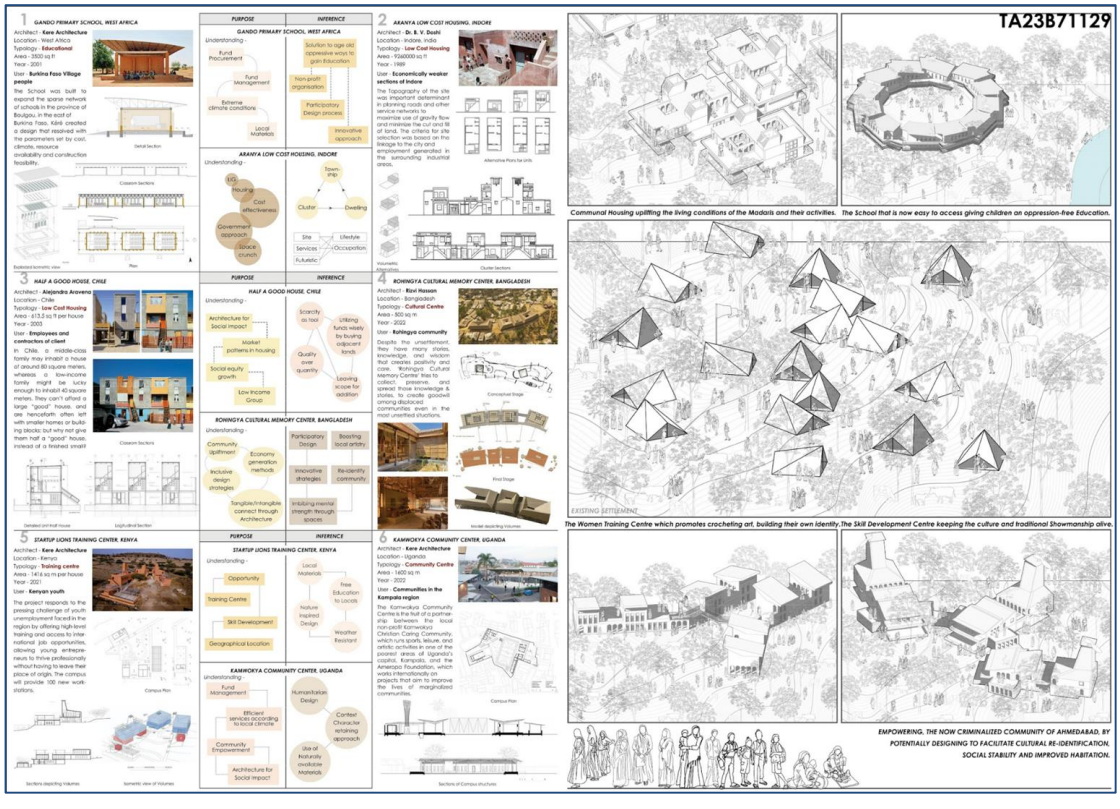
Garima Muttha

**Students Work**

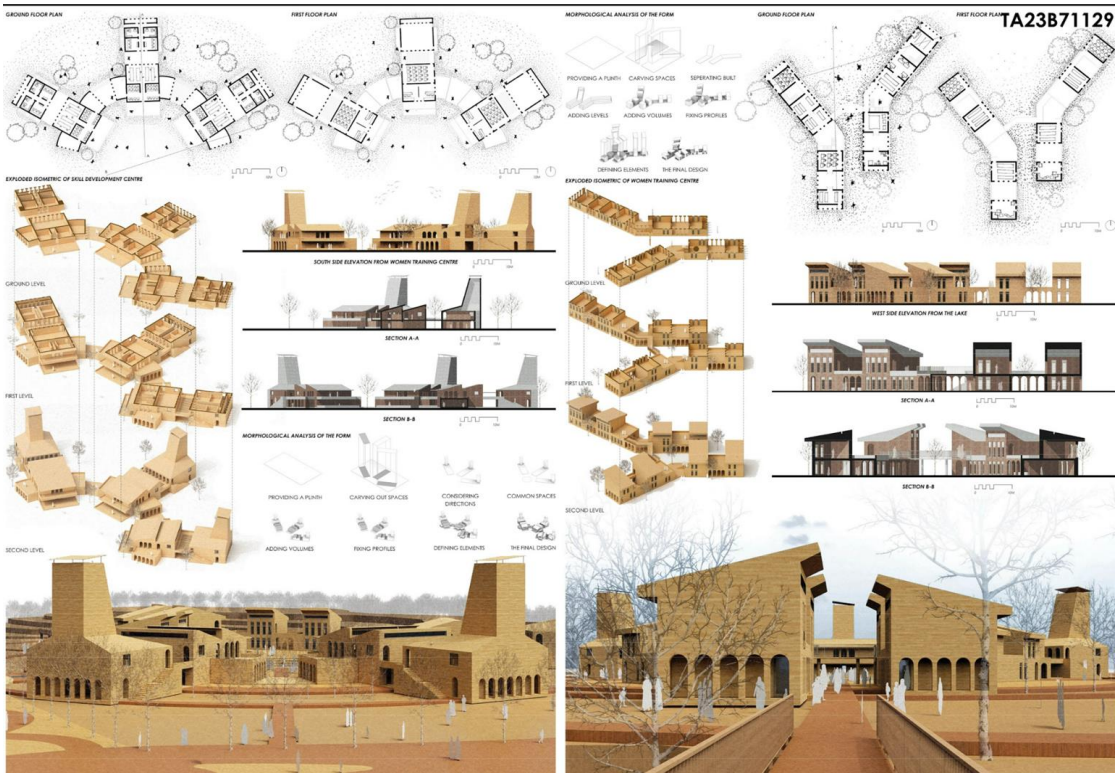


# ARCHMELLO THESIS OF THE YEAR AWARD- Top 10



# ARCHMELLO THESIS OF THE YEAR AWARD- Top 10



# ARCHMELLO THESIS OF THE YEAR AWARD- Top 10

**CERTIFICATE**

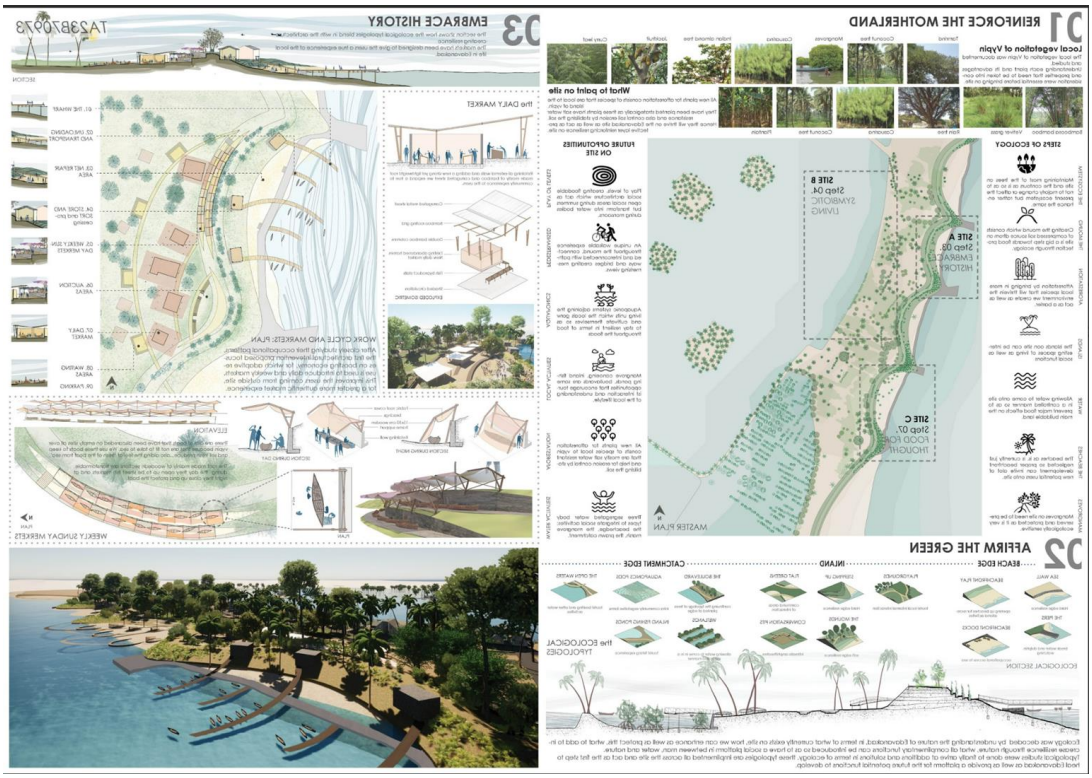
# ARCHMELLO THESIS OF THE YEAR AWARD- Top 10

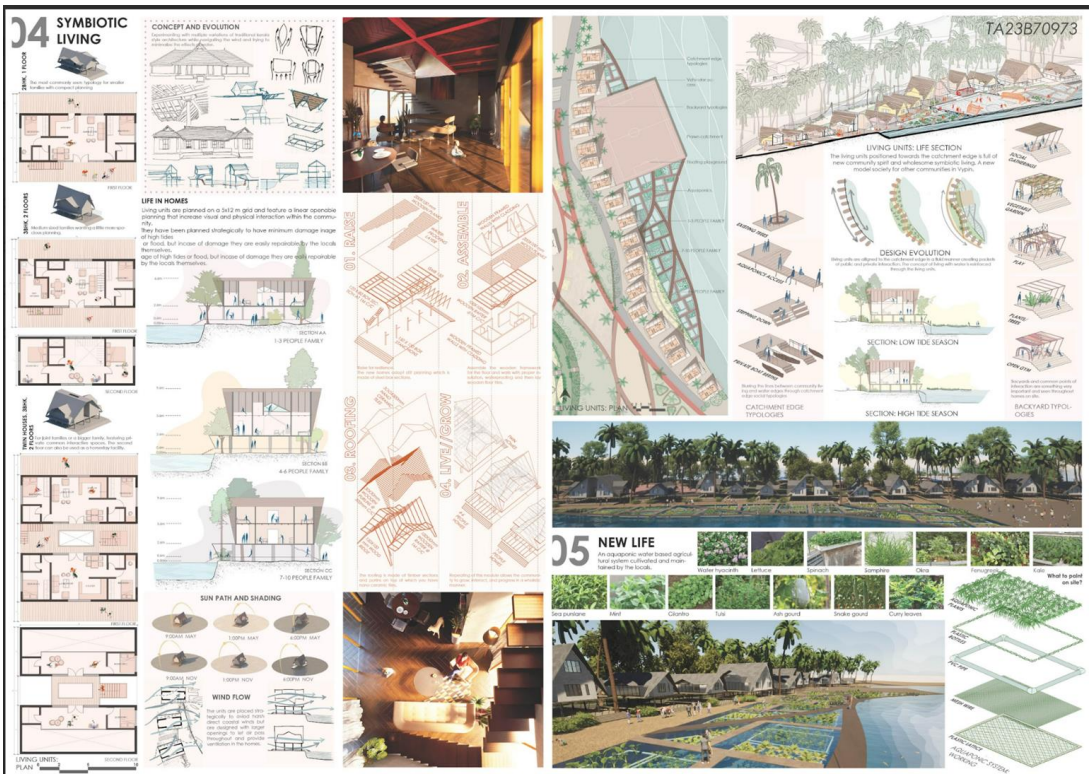
## Photographs

Riya Saira Georgi

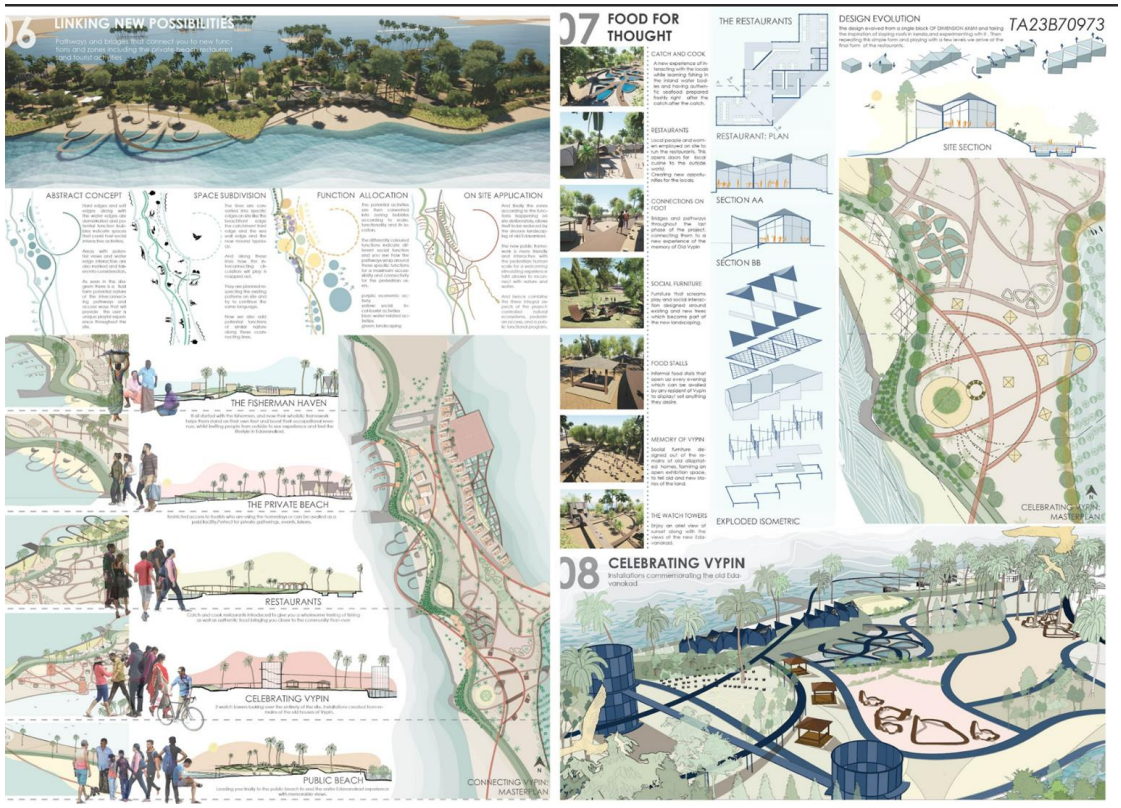
## Students Work

# ARCHMELLO THESIS OF THE YEAR AWARD- Top 10



# ARCHMELLO THESIS OF THE YEAR AWARD- Top 10



# ARCHMELLO THESIS OF THE YEAR AWARD- Top 10

**CERTIFICATE**

# INSTITUTION'S PARTICIPATION IN VARIOUS COMPETITIONS

# 2023 - 2024

# SEPTEMBER 23

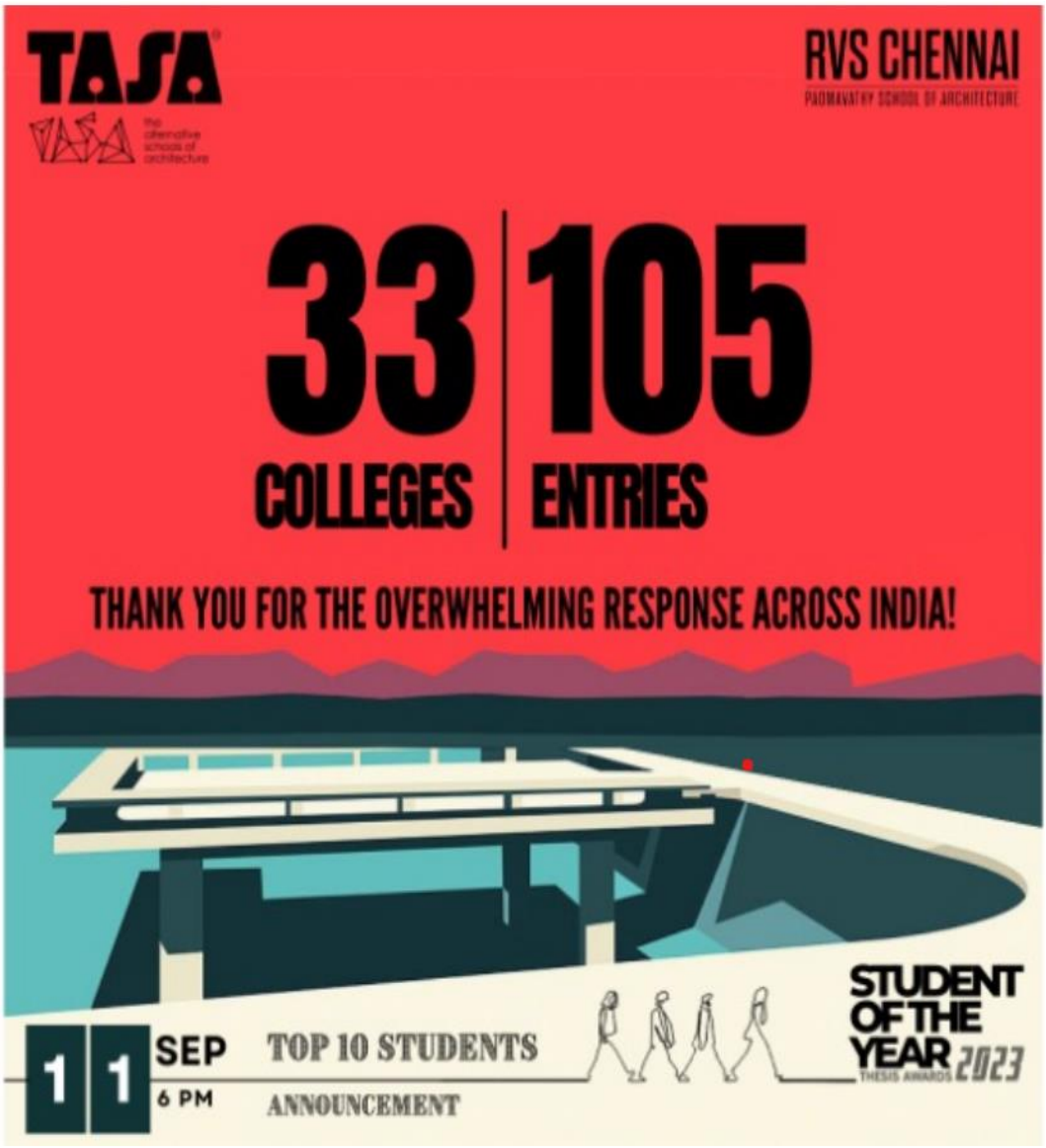
Satish Misal Educational Foundation's
BRICK
SCHOOL OF ARCHITECTURE

COMPETITIONS PORTFOLIO HANDLED BY
Ninad Rewatkar
Vinita Lulla
Sudhir Deshpande

# TASA Thesis of the year Award - RVS

**About the competition**

TASA (The Alternative Schools of Architecture) & RVS Chennai Padmavathy School of Architecture is excited to launch the STUDENT OF THE YEAR 2023, A national level Thesis competition for the graduates of Batch 2023



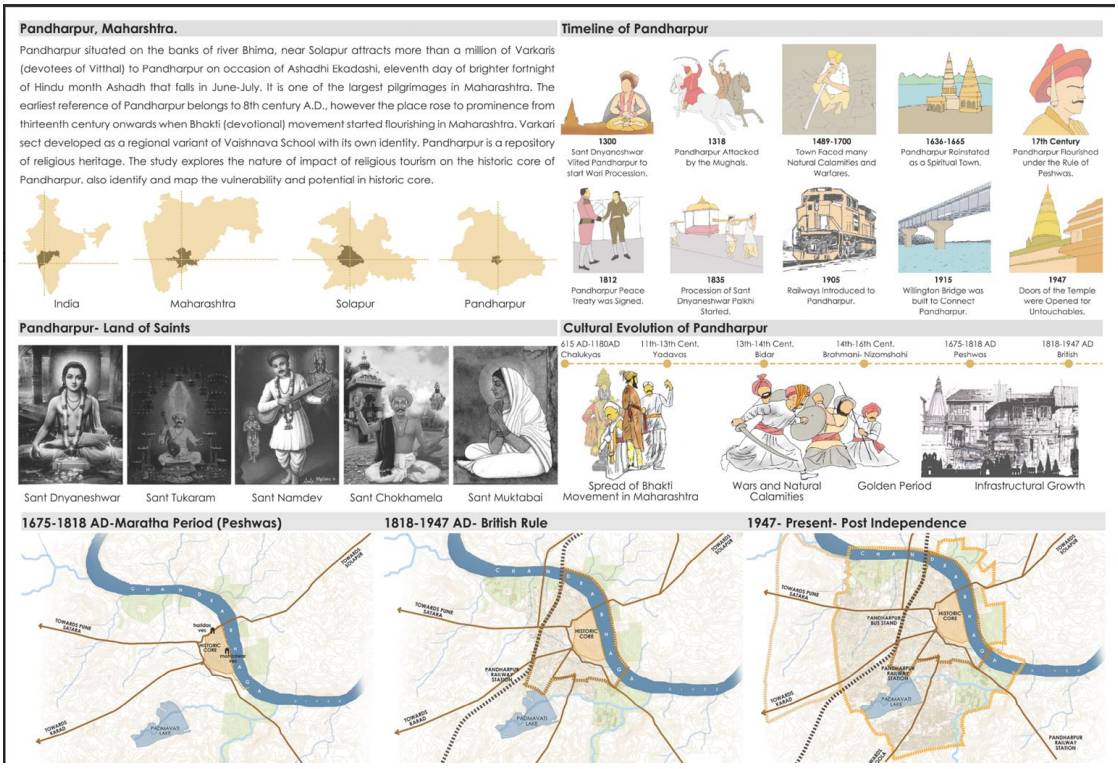

**STUDENTS PARTICIPATED**
Nirupam Kadam
Amay Rathi

# TASA Thesis of the year Award - RVS -Special Mention

## Photographs

Nirupam Kadam

## Students Work



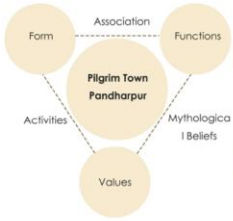
# TASA Thesis of the year Award - RVS -Special Mention

## Introduction

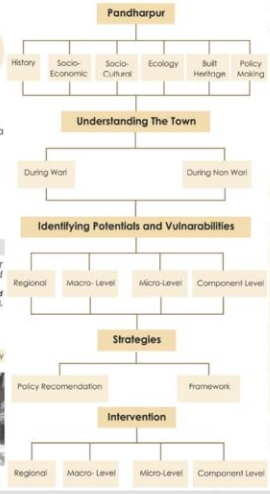
**Vision-**
Redeveopment of Temple Precinct at Pandharpur.

**Aim-**
To uphold the cultural and spiritual importance of the temple twon Pandharpur.

**Objectives-**
- To provide pilgrims and tourists with a peaceful experience in the town.
- To enhance the architectural character of the town.
- To streamline the influx and outflux of pilgrims and tourists in Pandharpur.
- To provide the residents and their local businesses with opportunities and infrastructural facilities to uplift their arts and crafts.

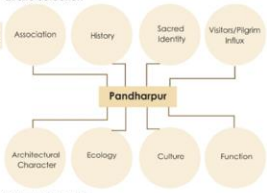



**Structure of the Thesis-**




**Methodology-**

1. Literature Review
2. Site Selection




3. Data Collection

**Primary Data**
- Physical Survey of the site.
- Activity mapping of different user groups.
- Spatial mapping of the pilgrim town. (Existing Condition)
- Identification of Natural and Built Heritage, Character upraisal pointers, etc.
- Map different circuits around the pilgrim town.
-Photographic documentation of the town.

**Secondary Data**
-Evalution of the town, - Study and analysis of different policies and developments proposed under them.
- Significance of the pilgrim town (Historical narative, mythological , geographical significance.)
- Analyse the pilgrim/tourist influx around the year.
- Activities and festivals around the year.
- Detailed land Cover of the site. Study of the terrain and existing physical conditions of the site.

4. Observations and Analysis
5. Understanding Potentials of the Project
6. Policy Planning and Recomendations
7. Architectural Intervention

## Spirituality in Architecture

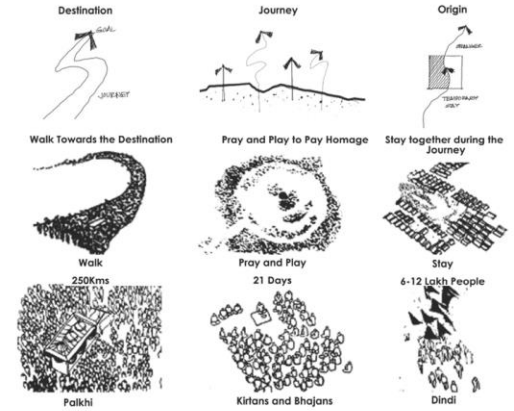
*"A building is created out of memories, associations, sounds, forms, spaces and images, and many other related and unrelated encounters. Through these, he reconstructs his image to connect to the world around."*

***Paths Unchartered***
***Dr. B. V. Doshi.***

## Goals

| Short Term | Mid Term | Long Term |
|---|---|---|
| - To provide pilgrims and visitors with an experience to nurture.<br>- To enhance the architectural character of the temple town and thus revive the glory of the town.<br>- To make it easy and convinient for the administration as well as the tourists/pilgrims to guide themselves through the town.<br>- To create clean and hyegenic environment in the town.<br>- To benefit the locals as well as visitors from the project.<br>- To provide the town with solutions to cater the floating population during festive times. | - To improve the infrastructure for accessibility for the temple complex.<br>- To provide better quality accomodation facilities to the pilgrims and visitors.<br>- To facilitate the town with public infrastructure to maintain healthy enviroment. | - To improve civic infrastructure facility like Hospitals, Schools, Shopping Centers, Parks, Gardens, etc.<br>- To implement urban design strategies in the town in order to encorporate the huge amount of floating population.<br>- To make people want to visit Pandharpur.<br>- To enhance the spiritual character of the town of Pandharpur. |

## The Wari Experience




## Key Elements of Wari

## Pandharpur Temple Complex Redevelopment Project

Pandharpur corridor development plan awaits approval from stakeholders: Uday Samant

Monday Musings:Giving mega facelift to holy site at Pandharpur

विठुरायाची पंढरी लखलखणार... कॉरिडॉरसाठी ३०० कोटी, कायीच्या धर्तीवर होणार भव्य विकास

Pandharpur corridor will be developed after consulting all stakeholders: Maharashtra CM Eknath Shinde

**Confusion of Pandharpur corridor! Discussion on one side, tender for development plan on the other, anger among citizens**

Govt to develop Pandharpur on the lines of Kashi corridor

Pandharpur Vitthal Temple Special Report : Will Mauli Corridor get caught up in controversy?

## What is the Project About?

**Phase 1**

Development of the main temple and other temples of gods and goddesses, the heritage buildings will be kept intact while doing this work.

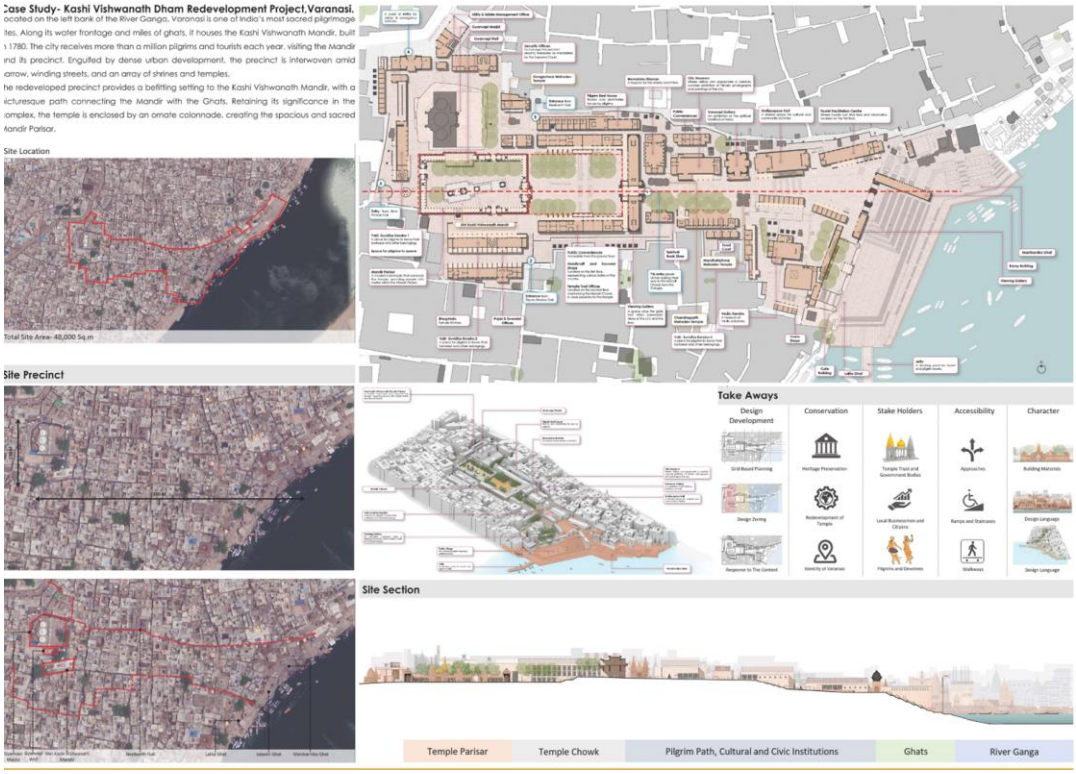
**Phase 2**

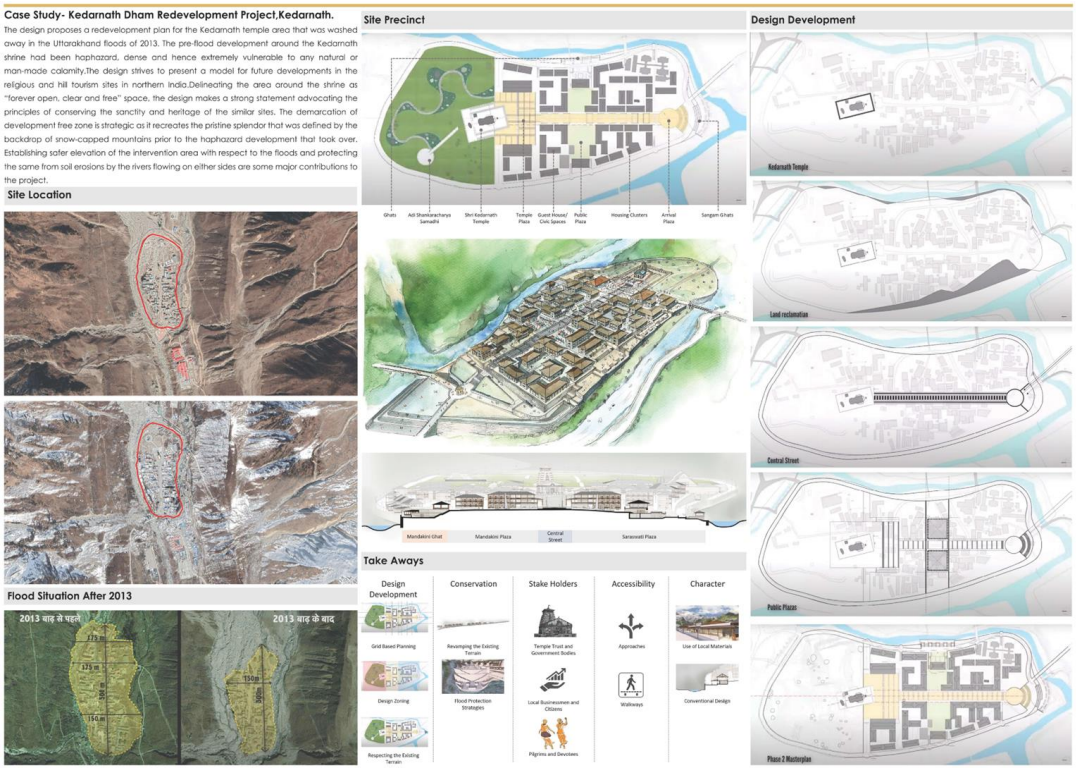
Development of city roads, water supply, electrification, Darshan Mandap, Skywalk, Assembly Mandap, parking lots, parks, sewers etc.

**Phase 3**

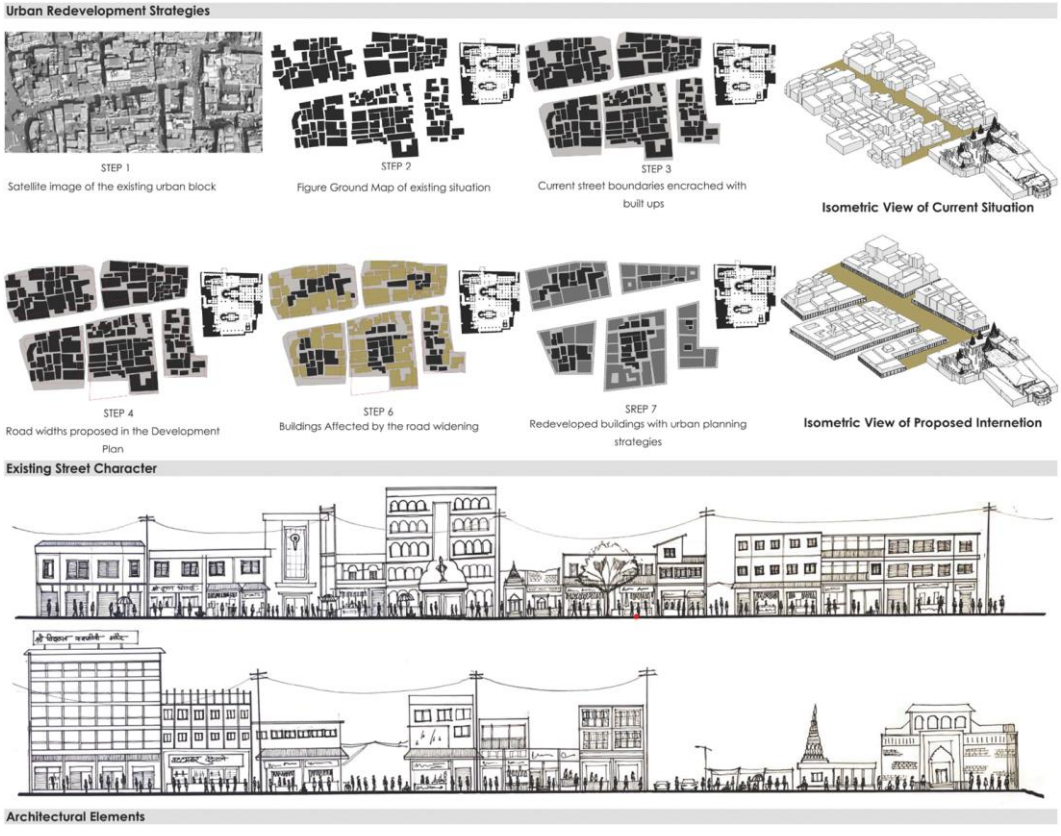
Development of ghats on Chandrabhaga river along with necessary buildings, transport system, ring route,etc.

# TASA Thesis of the year Award - RVS -Special Mention

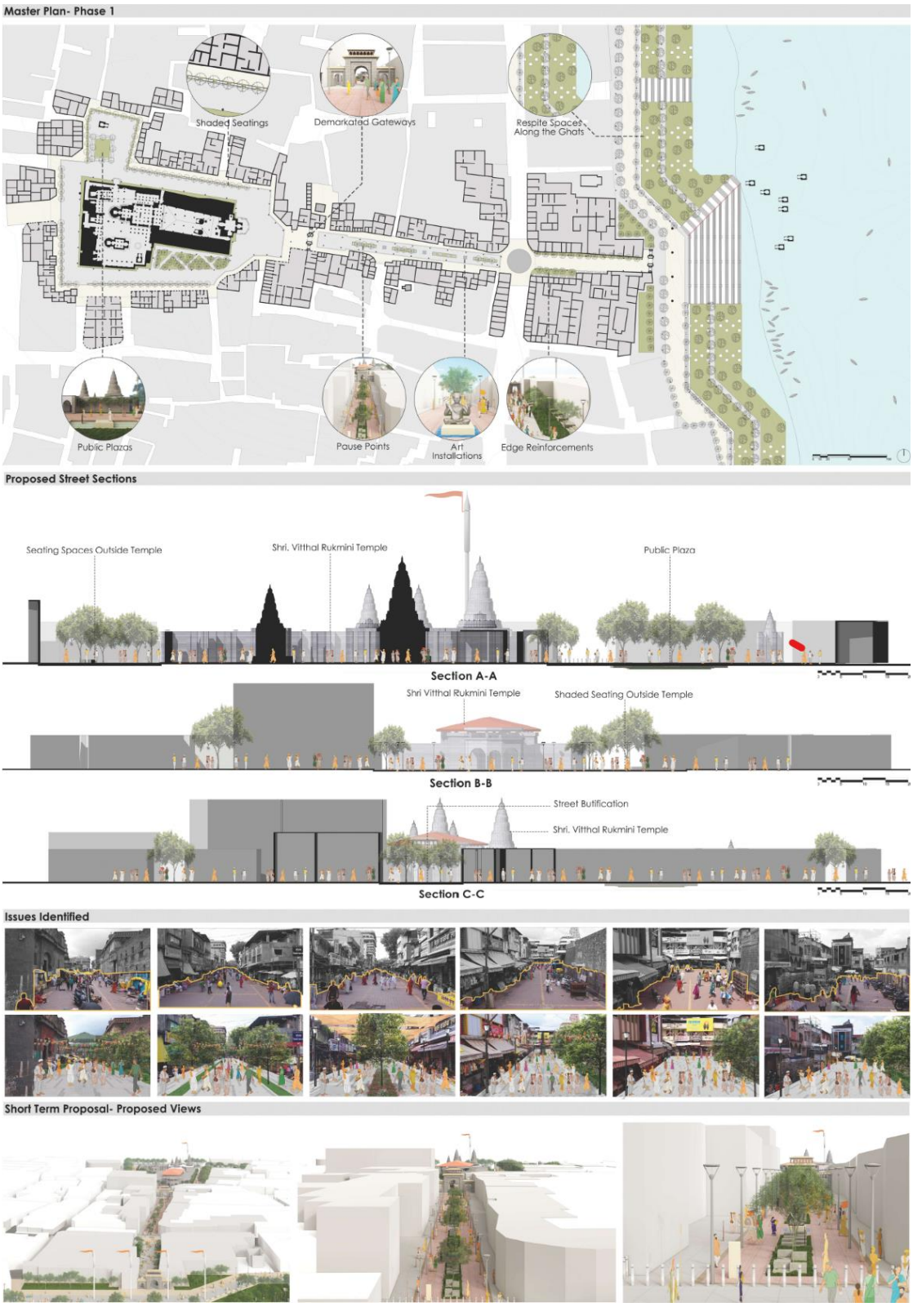


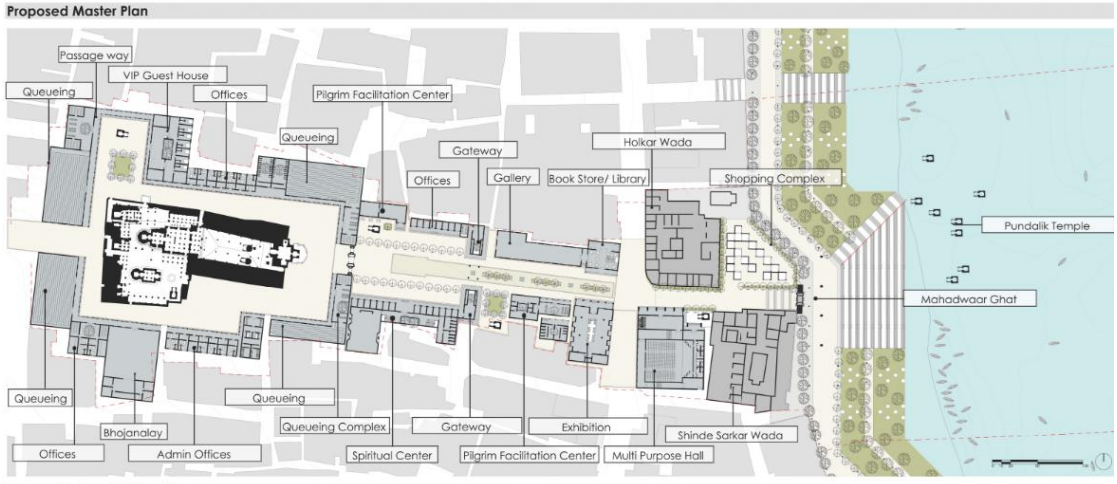
# TASA Thesis of the year Award - RVS -Special Mention

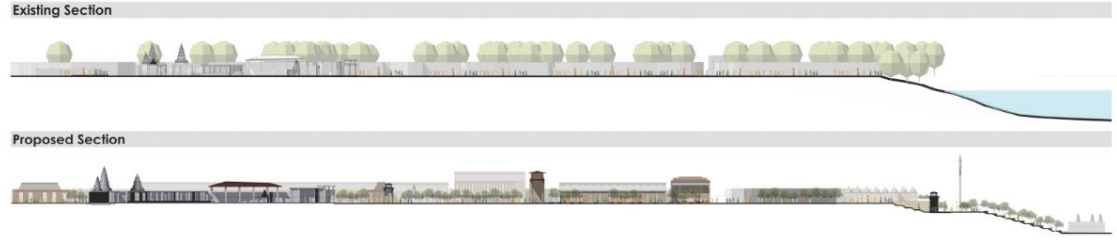


# TASA Thesis of the year Award - RVS -Special Mention

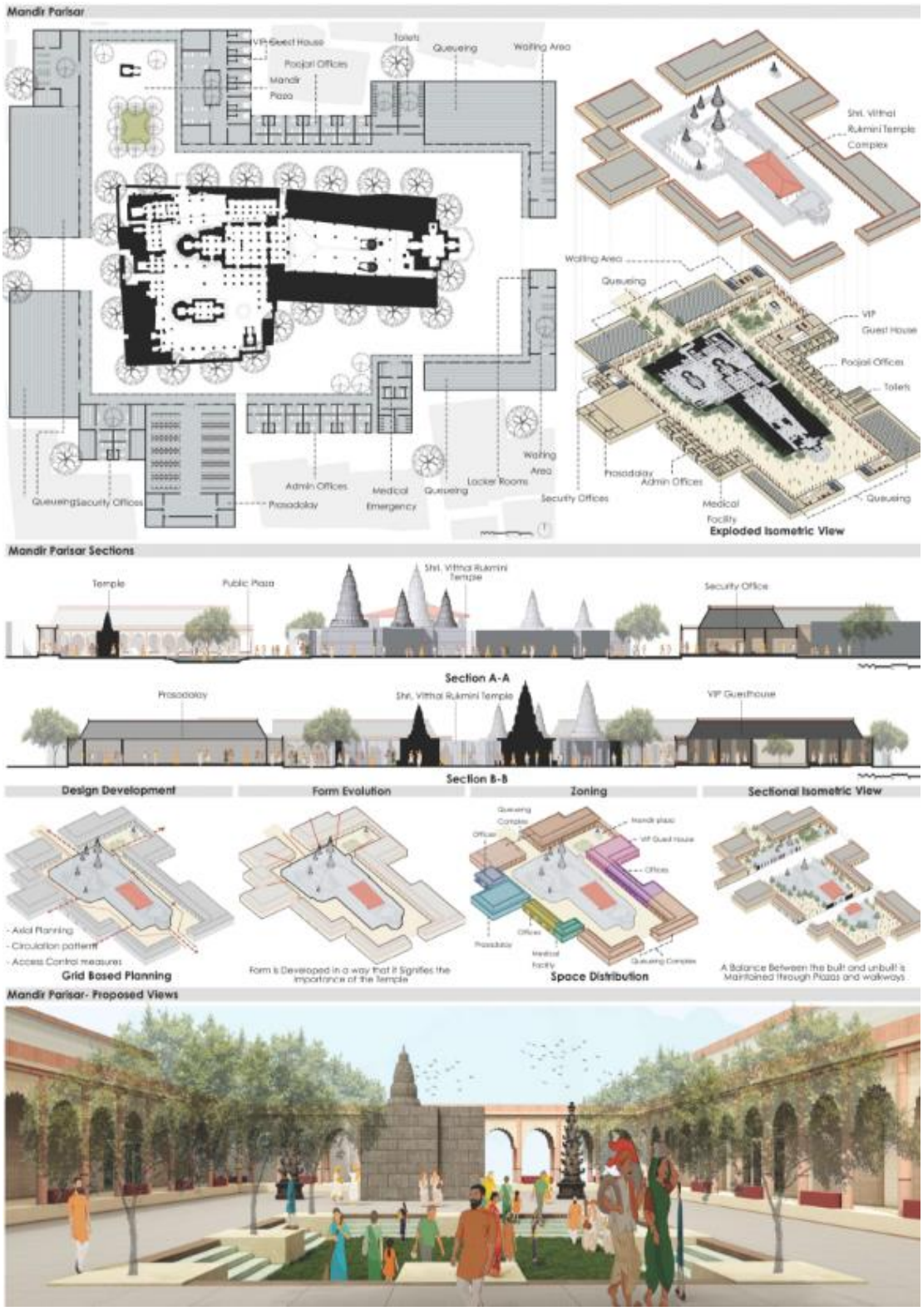


# TASA Thesis of the year Award - RVS -Special Mention

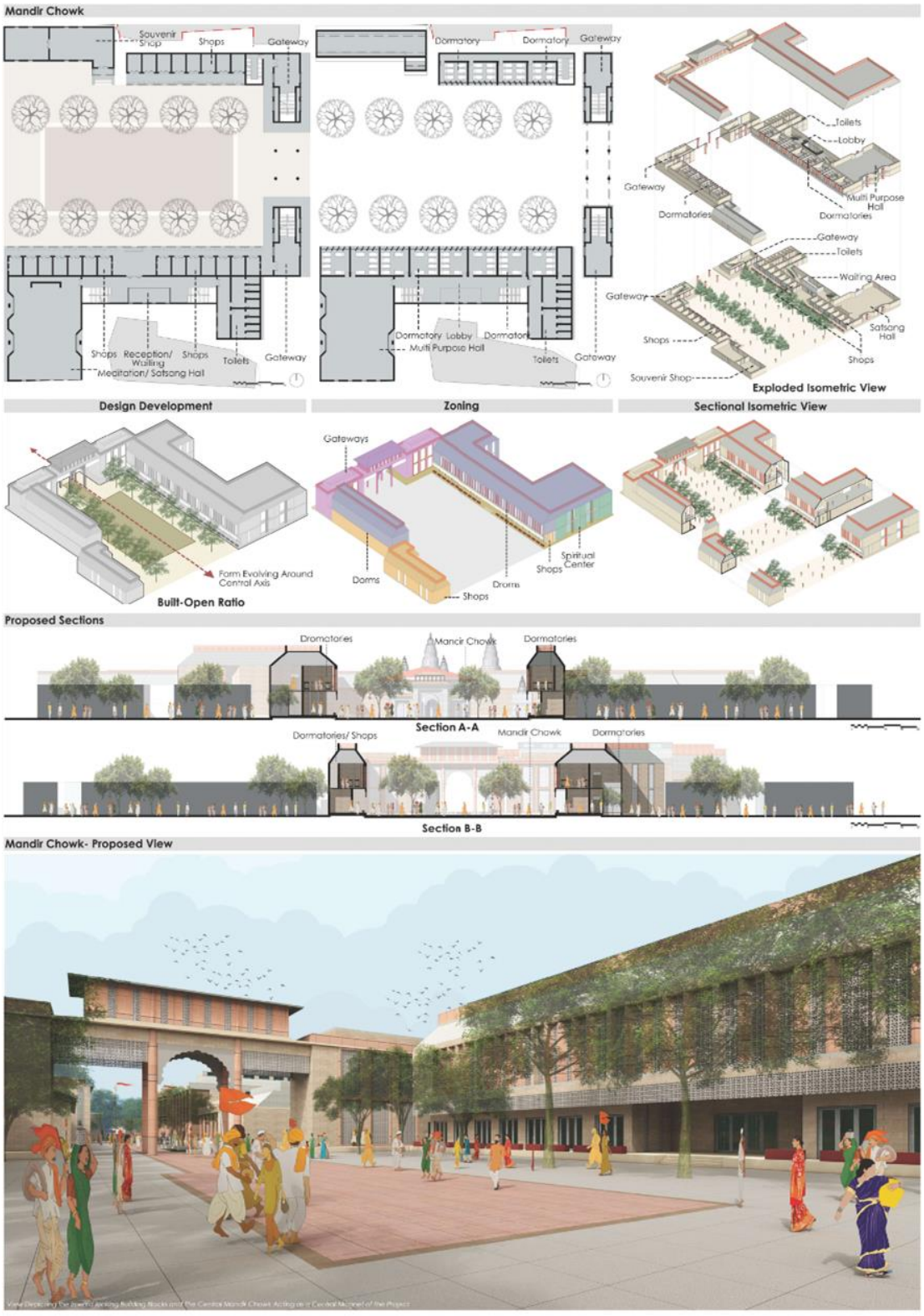




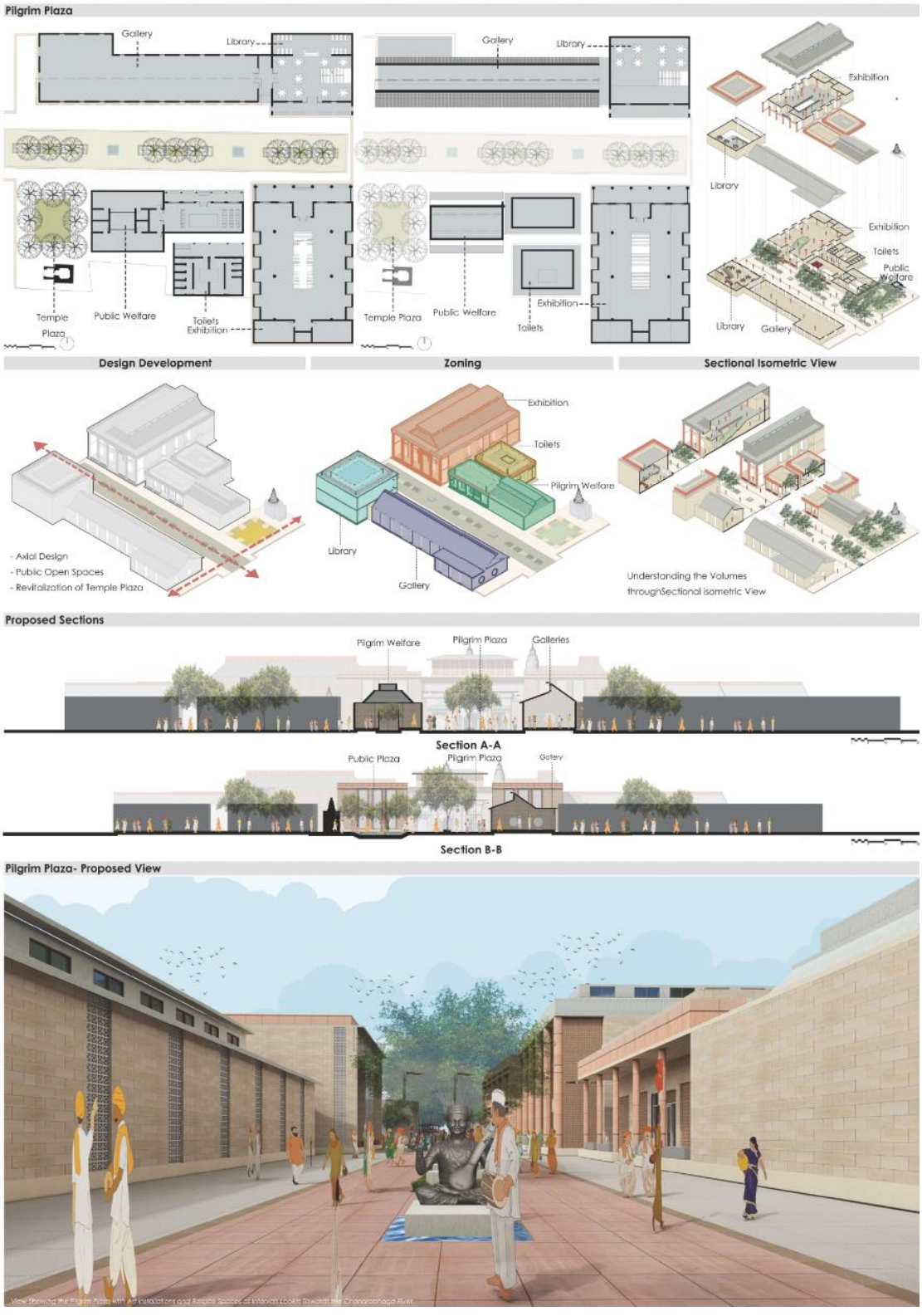
# TASA Thesis of the year Award - RVS -Special Mention



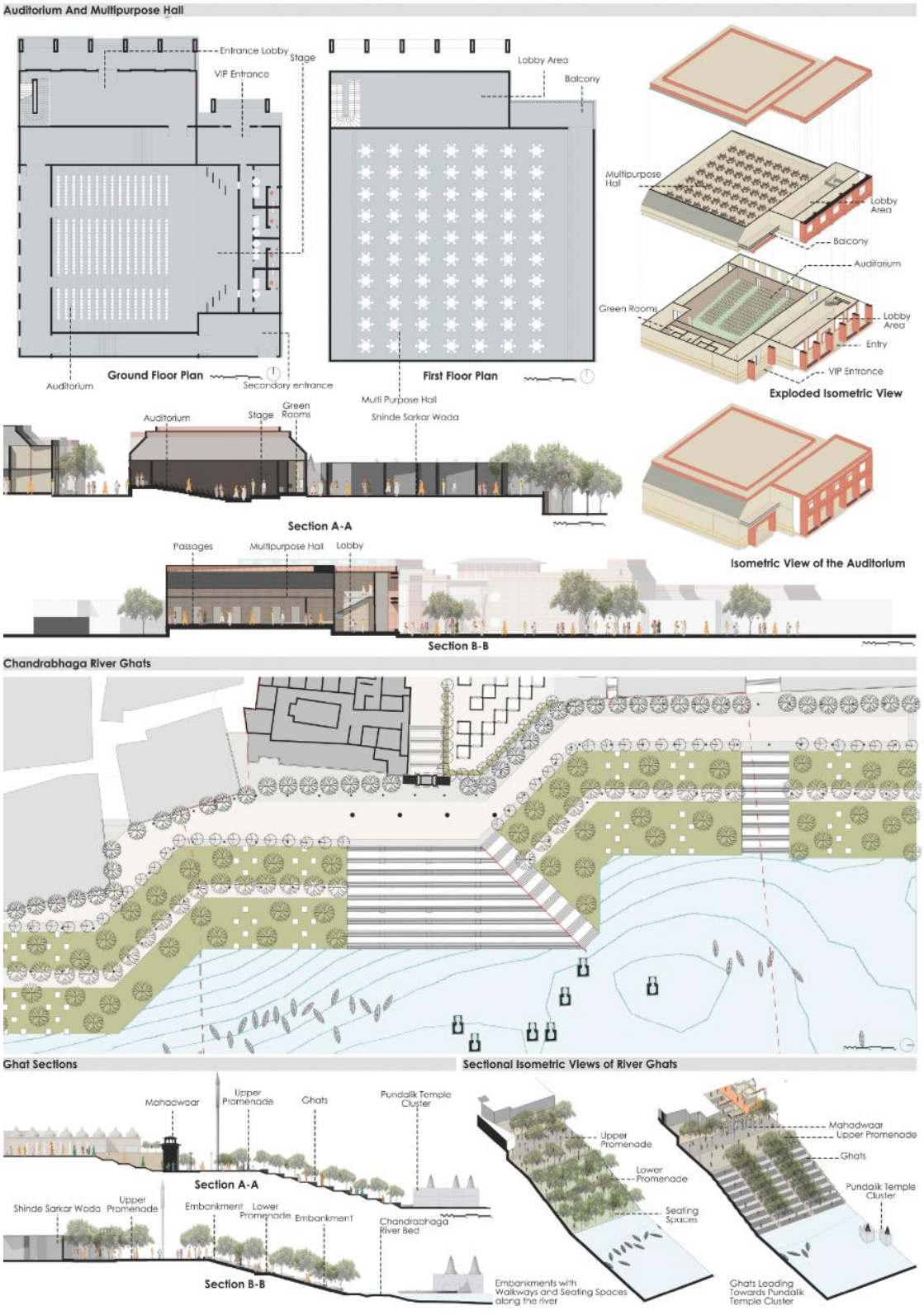
# TASA Thesis of the year Award - RVS -Special Mention



# TASA Thesis of the year Award - RVS -Special Mention



# TASA Thesis of the year Award - RVS -Special Mention



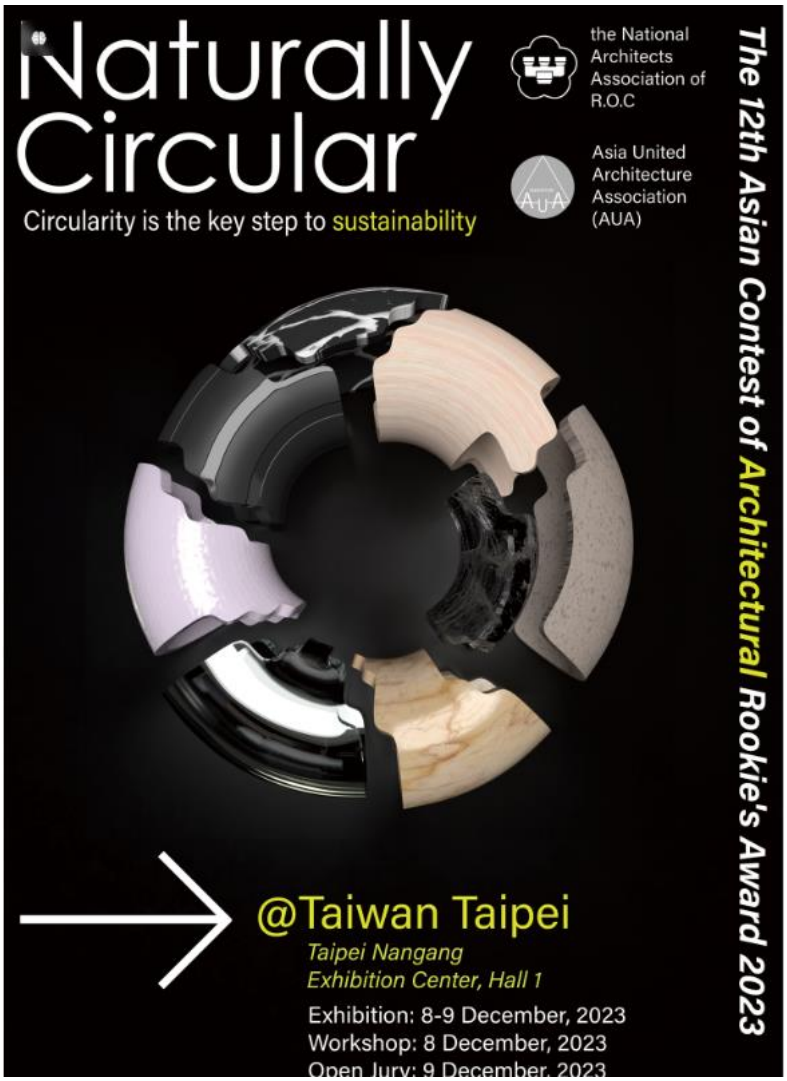
# TASA Thesis of the year Award - RVS -Special Mention

# ACARA ROOKIES

**About the competition**

AUA will plan to hold the 12th ACARA for all students who are studying architecture design in Asia, aiming to provide high-quality education in architecture by stimulating a creative will and a competitive spirit of goodwill.

It will be a good opportunity to bring out your potential ability and to improve your ability of architectural design.




**STUDENTS PARTICIPATED NATIONAL JURY**

Pratik Mour and Ashutosh Gaware

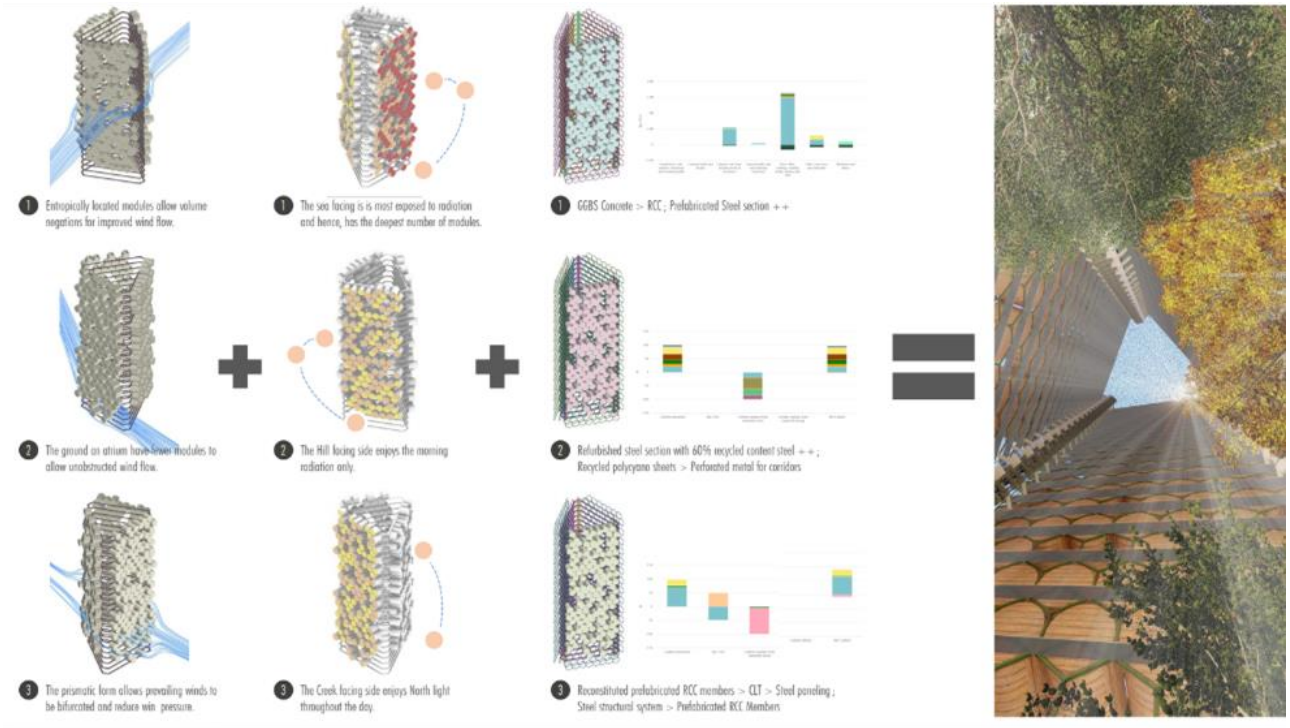
# ACARA ROOKIES- FIRST WINNER NATIONAL ROUND

**Photographs**

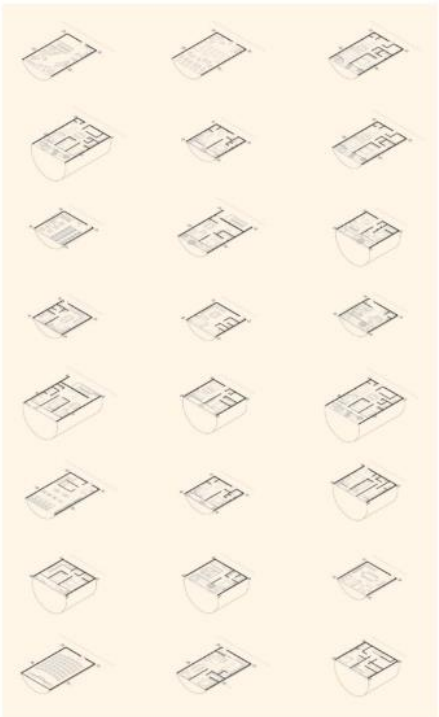
Pratik Mour

**Students Work**

# ACARA ROOKIES- FIRST WINNER NATIONAL ROUND



A housing is a cluster of houses but in the end, a house is someone's home. This calls for a lack of design input in the module design and hence, the brochure/array of possible modules that give the resident an idea of what is feasible and can be done. After which, is the resident and resident itself.



The cylindrical modules create a framed view inside which is further optimized structurally to allow the users to design a build for themselves.

# ACARA ROOKIES- FIRST WINNER NATIONAL ROUND

## CERTIFICATE

# PCERF -VIDHYARTHI AWARDS.

**About the competition**

In the month of November 2023, a prestigious design competition was organized by the Pune Construction Engineering Research Foundation. (PCERF). After passing the qualification round, on the 21st of November 2023, the final jury took place. This competition probed innovative and avant-garde designs that questioned the status quo and invited new ideas relating to design practises and technology.

**STUDENTS PARTICIPATED**
RAM KALE, ASHUTOSH GAWARE

# PCERF -VIDHYARTHI AWARDS FIRST WINNER.

**Participants**

**Semester 7**

Vishal Dayani

Pushkar Khanorkar

Ashutosh Gaware

Parth Sable

Vanshika Parekh

Siddharth Kadam

Pratik Mour

Aanchal Mugdiya

Neha Patil

Atharva Vanjari

Ram Kale

**Semester 8**

TEAM 1

Vishal Dayani

Akshita Rathi

Shreya Bhide

Keshav Agrawal

TEAM 2

Siddharth Kadam

Aanchal Mugdiya

Kushal Patil

Aditya Bhintade

Ruchita Phulkar

Tanmay Ghadge

TEAM 3

Saloni Rabara

Karishma Rawool

Aditi Dhamankar

Ushma Shah

TEAM 4

Pratik Mour

Ram Kale

Khushi Lothe

TEAM 5

Atharva Vanjari

Parth Sable

Akshita Sathe

Komal Kondalkar

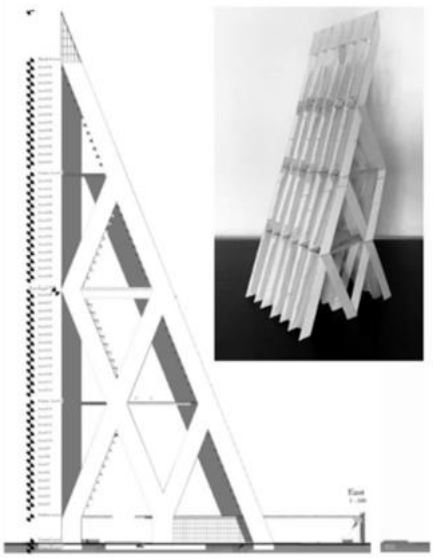
**Ram Kale and Ashutosh Gaware are the winners**

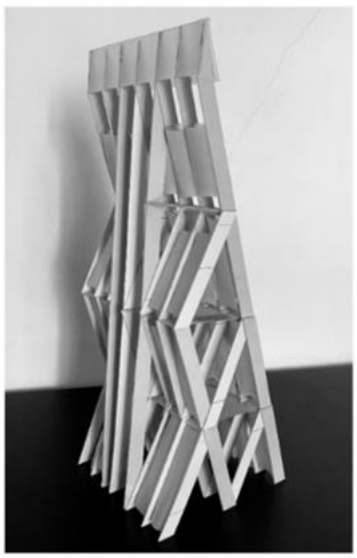
# PCERF -VIDHYARTHI AWARDS FIRST WINNER.

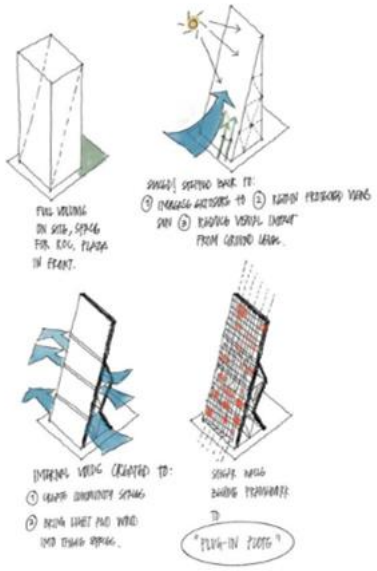
**Photographs**

**RAM KALE**

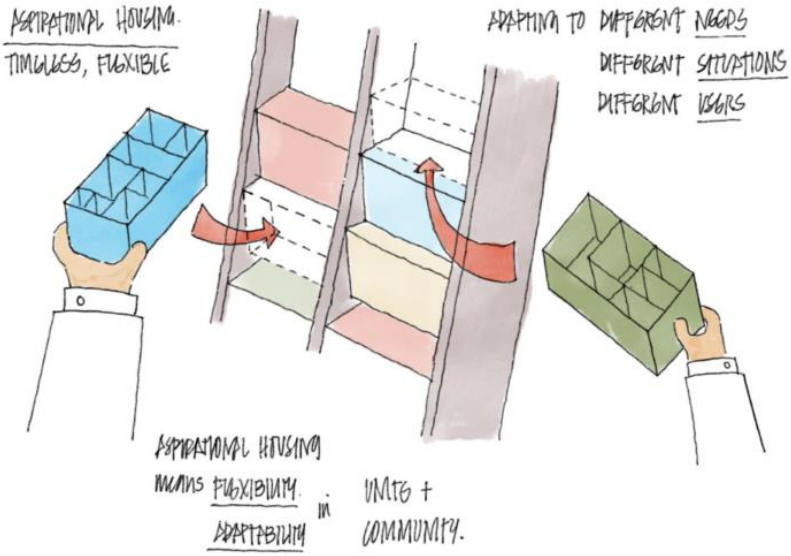
**Students Work**

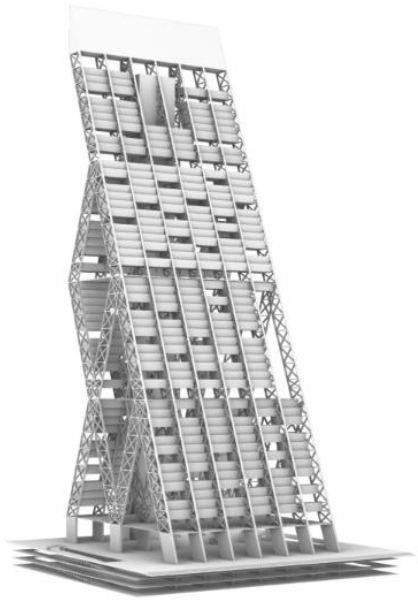


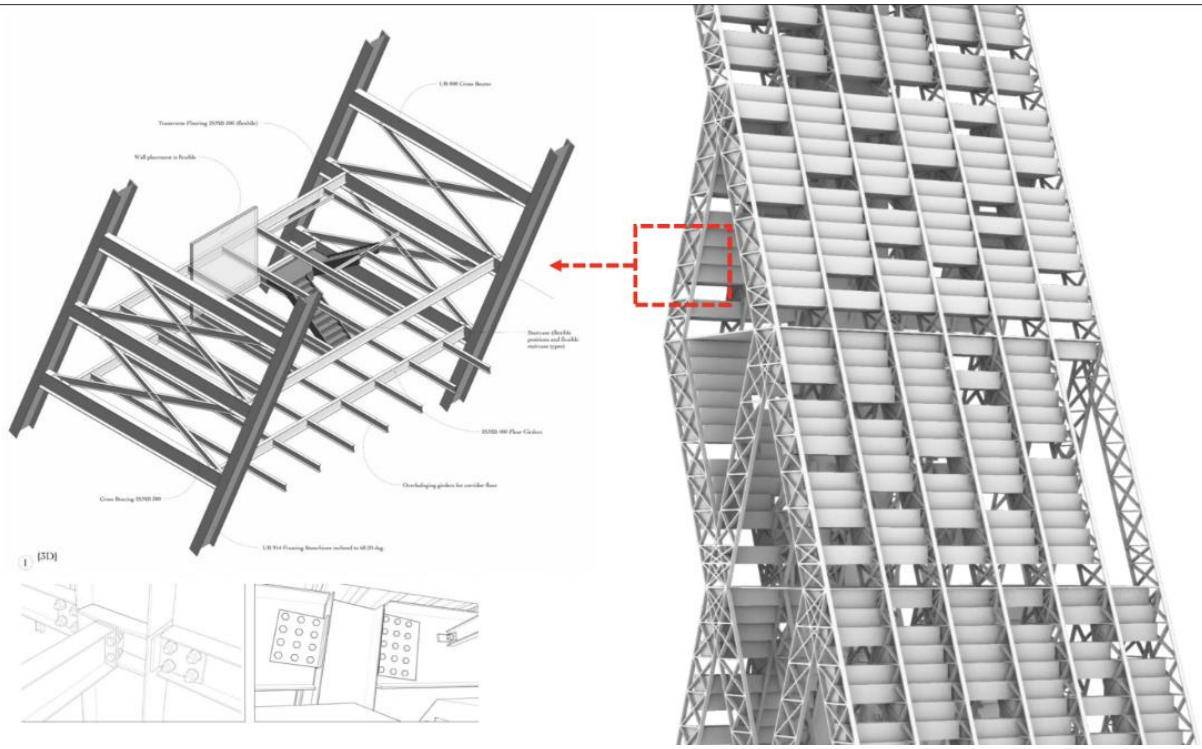




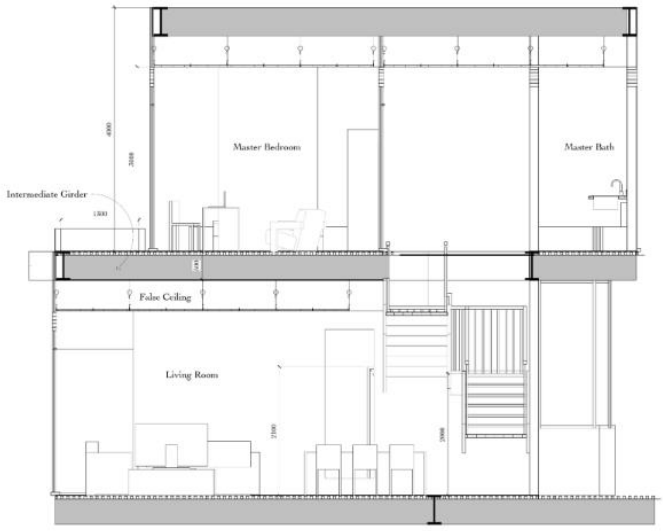
## PCERF -VIDHYARTHI AWARDS FIRST WINNER.

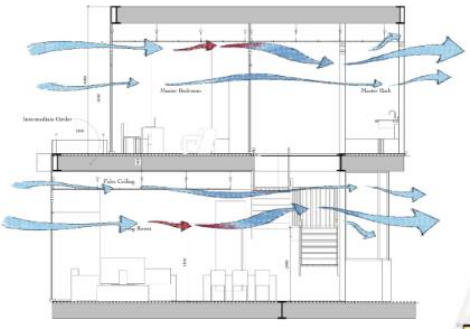


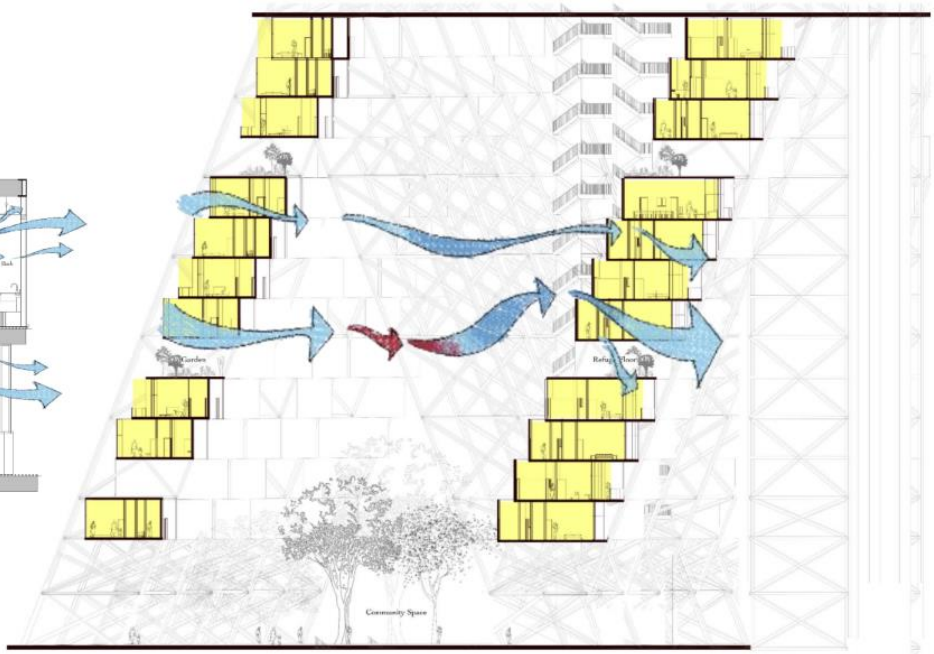





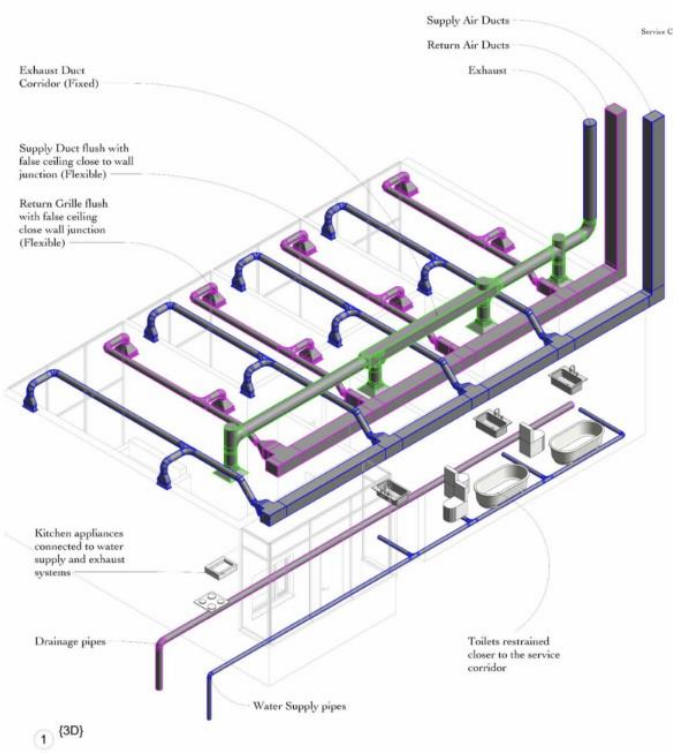
## PCERF -VIDHYARTHI AWARDS FIRST WINNER.

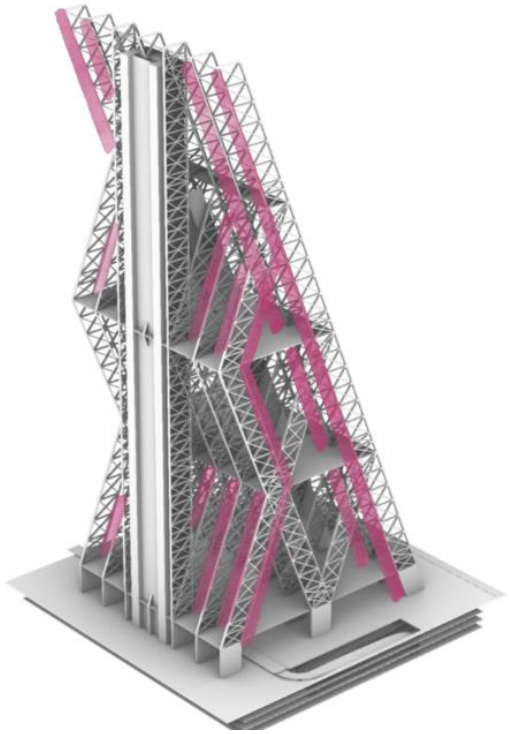


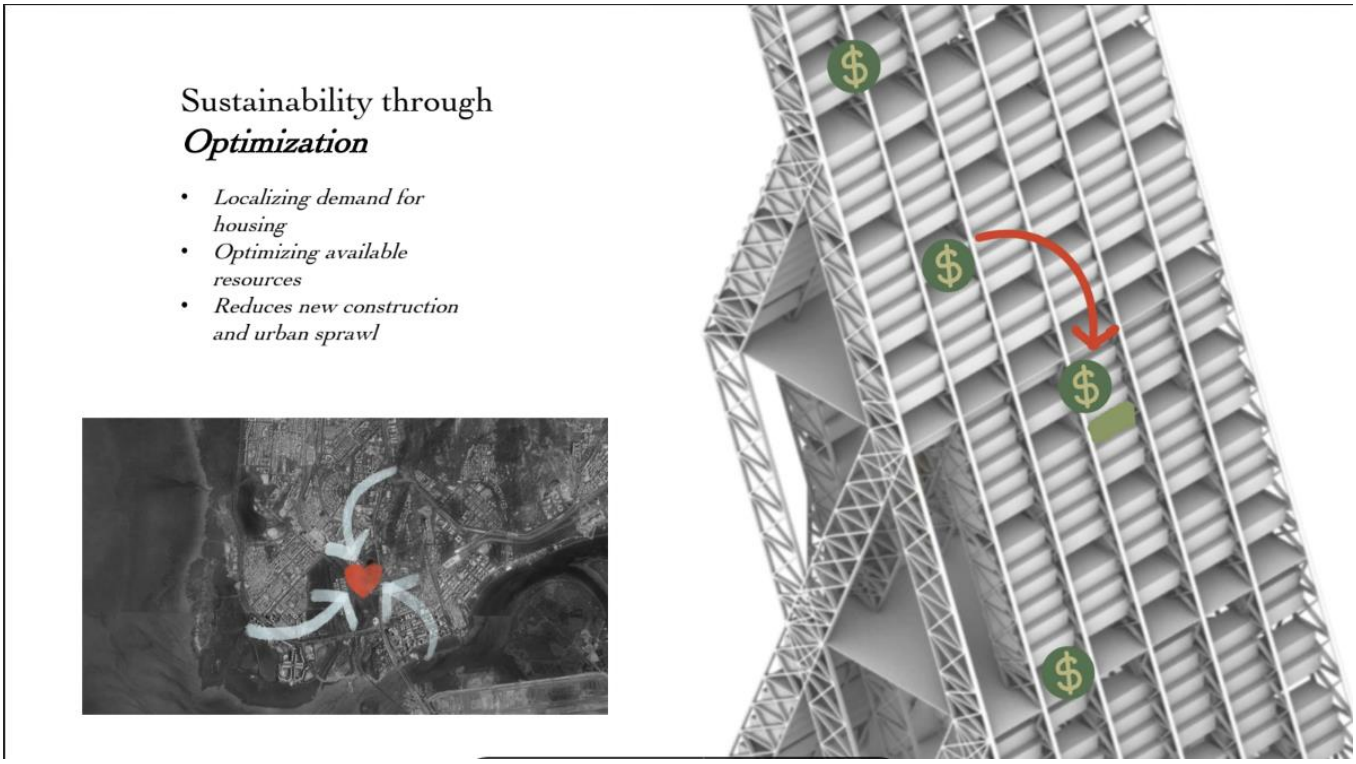




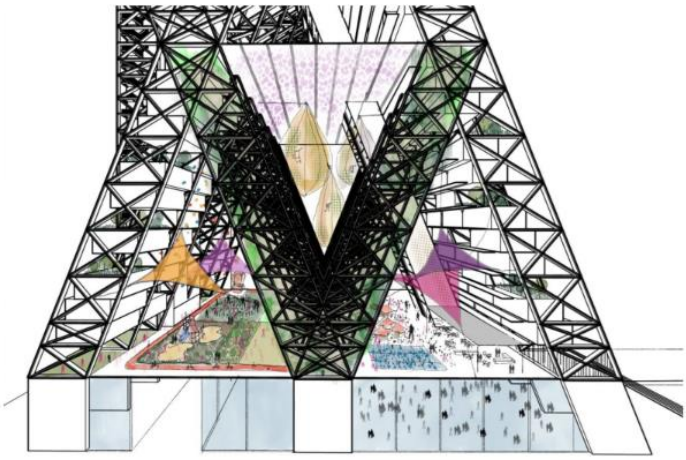
## PCERF -VIDHYARTHI AWARDS FIRST WINNER.



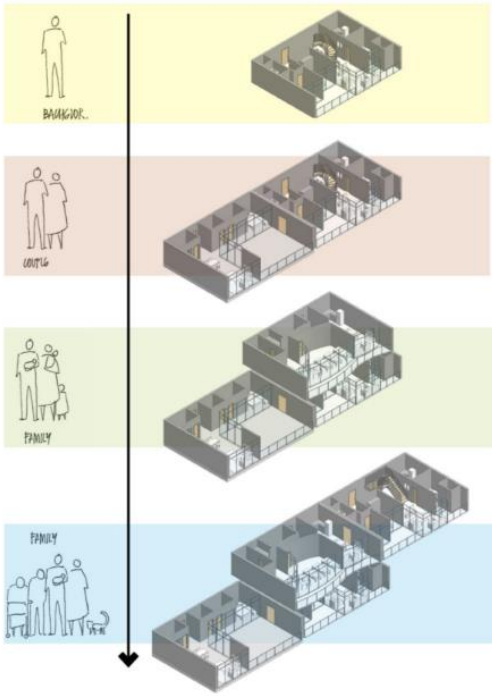



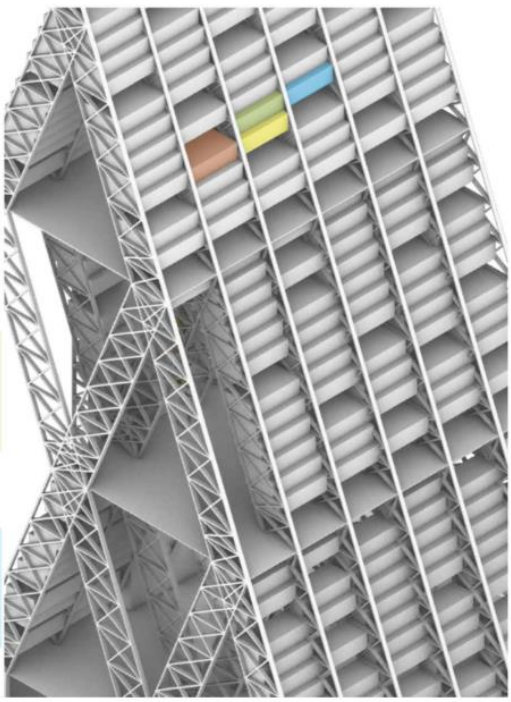


## PCERF -VIDHYARTHI AWARDS FIRST WINNER.



Zone 1



# PCERF -VIDHYARTHI AWARDS FIRST WINNER.

**Photographs**

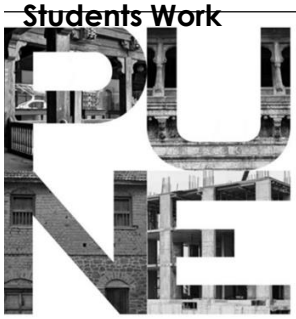
**CERTIFICATE**

# PCERF -VIDHYARTHI AWARDS THIRD WINNER.

**Photographs**

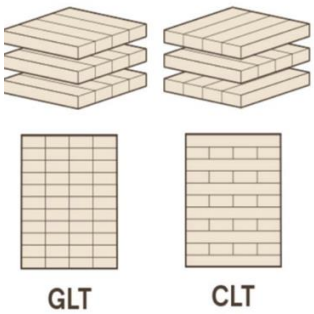
**ASHUTOSH GAWARE**

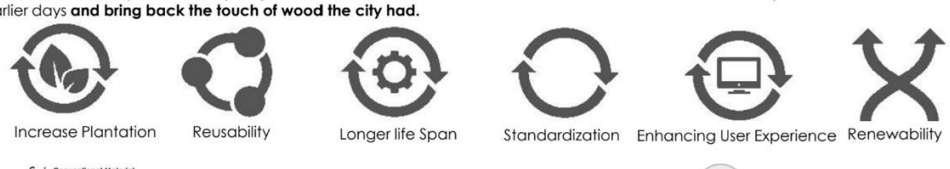
**Students Work**

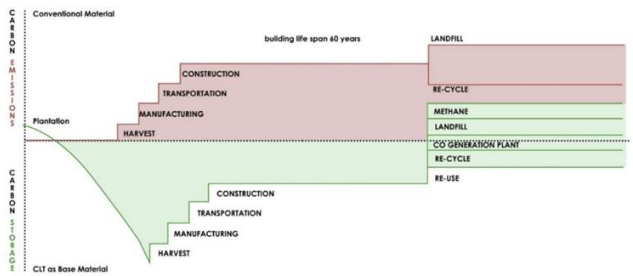


Wood has been an important part **of Pune's Wada Construction**. **WADA** as a house form reached its climax in **Peshwai Pune** and was synonymous with the cityscape, and gave it a distinctive architectural character. character which adorned wood, its possibilities and celebrated the unique notional quality of it. The intent of this intervention was to look at wood the same way it was looked at, in the earlier days **and bring back the touch of wood the city had.**

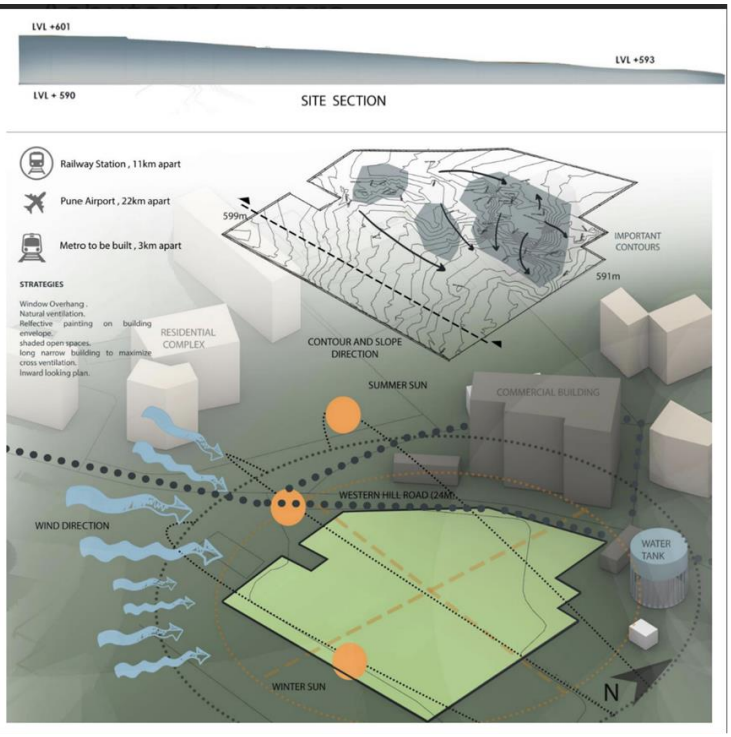
The material consists of planks (or lamellas) of sawn, glued, and layered wood, where **each layer** is oriented **perpendicular to the previous.**

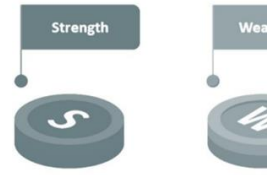


# PCERF -VIDHYARTHI AWARDS THIRD WINNER.




**STRENGHT :**

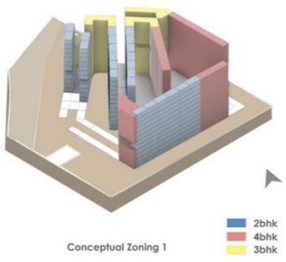
The Site Is located in a prime region with high living standard thus giving opportunities to have spacious homes
Schools,colleges,hospitals, temples,restaurants and all other facilities are nearby.

**WEAKNESS:**

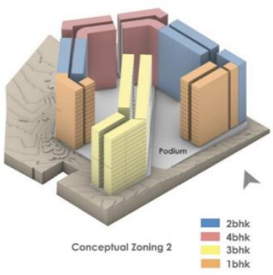
The Site is located in area with water scarcity.
As the area is still being developed, the lack of street lights has led to a sizable stray population.

**OPPORTUNITIES:**

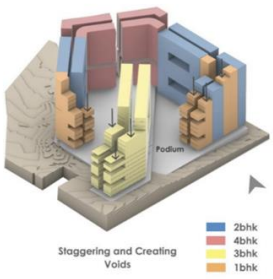
Prime location for high standed living.
Contours giving opportunity for creatin spaces on different levels.



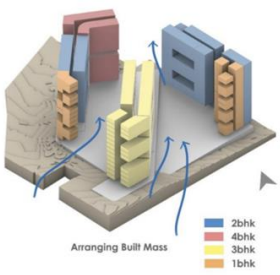

Conceptual Zoning 1



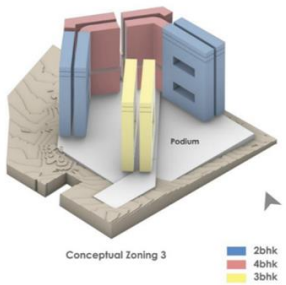

Conceptual Zoning 2



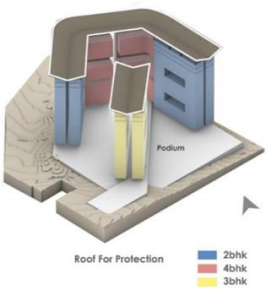

Staggering and Creating Voids



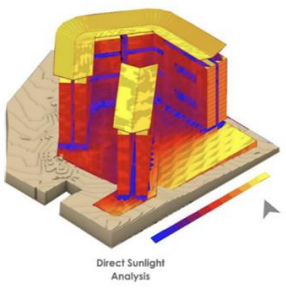

Arranging Built Mass



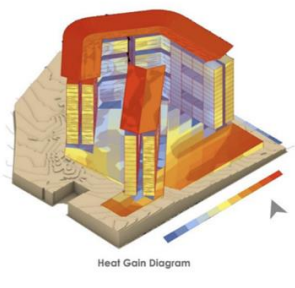

Conceptual Zoning 3




Roof For Protection



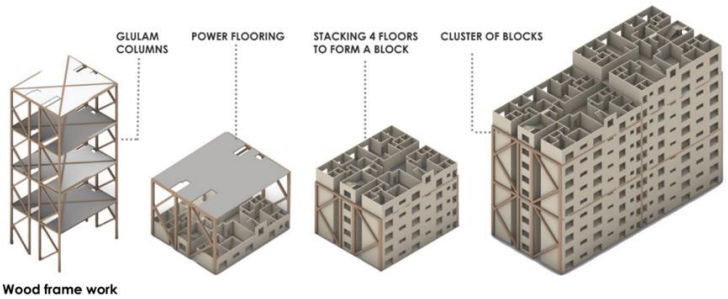
Direct Sunlight Analysis



Heat Gain Diagram

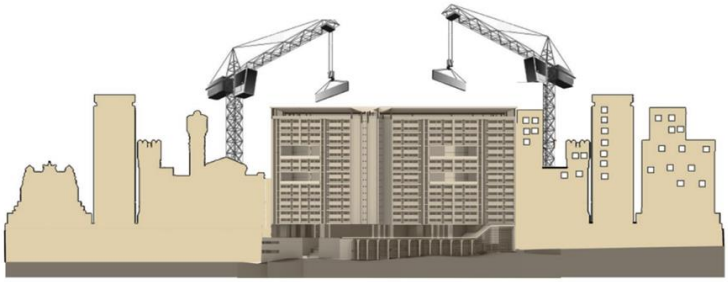
**FORM DEVELOPMENT**

# PCERF -VIDHYARTHI AWARDS THIRD WINNER.




**Wood frame work**

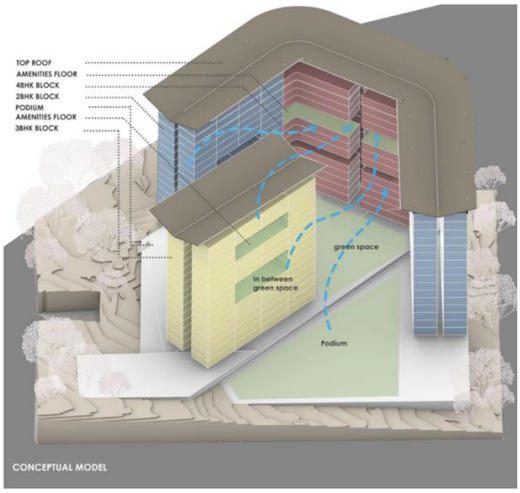
The module made from CLT Panels are stacked on each other and are supported by glulam columns with horizontal bracing again in glulam and power floors made up of concrete after regular interval helps in structural strengthening and stability against earthquake loads. Hence leading to formation of block.



**Modularity**

| NET PLOT | TOTAL BUILT UP | 60% OF BUILT UP | PROPOSED BUILT UP |
|---|---|---|---|
| 18128 SQM | 79,763 SQM | 47,830 SQM | 48484 SQM |

| NO | TYPE OF UNIT | AREA OF UNIT | NO OF UNIT |
|---|---|---|---|
| 1 | 2 BHK | 92 SQM | 272 |
| 2 | 3BHK | 112 SQM | 112 |
| 3 | 3BHK (EXTRALARGE) | 125 SQM | 16 |
| 4 | 4BHK | 165 | 32 |




CONCEPTUAL MODEL

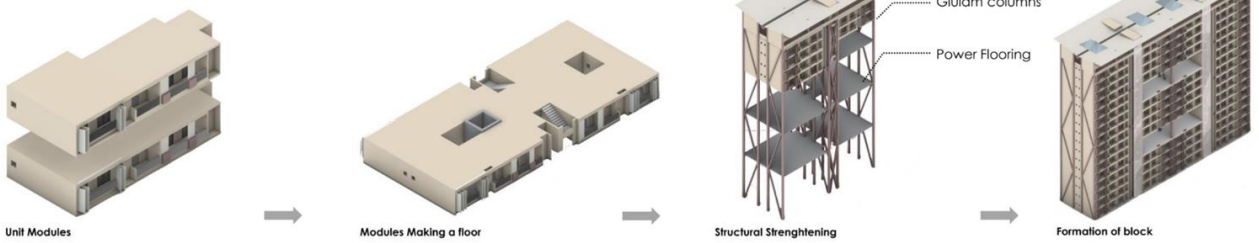
Case Study

**The TREET**

Inspired by **Norway**'s considerable history of wood construction, and driven by a desire for sustainable housing, Treet (The Tree**) by ARTEC** became the first engineered-timber high-rise building to capture the world's attention

**Modules** are stacked on site and are self-supporting across four floors. The stacking of modules is divided in phases: **4+ powerfloor** + 4 + powerfloor + **4. Glulam frames** are delivered by Moelven and are assembled after each stack of four modules. The Whole Building is Standing on **6 glulam columns** with **vertical bracing** done across the whole structure

**Construction Technique**




**Unit Modules**

The Units Are Stacked one above the other as all the clt panels act like shear walls taking the all the loads from superstructre

**Modules Making a floor**

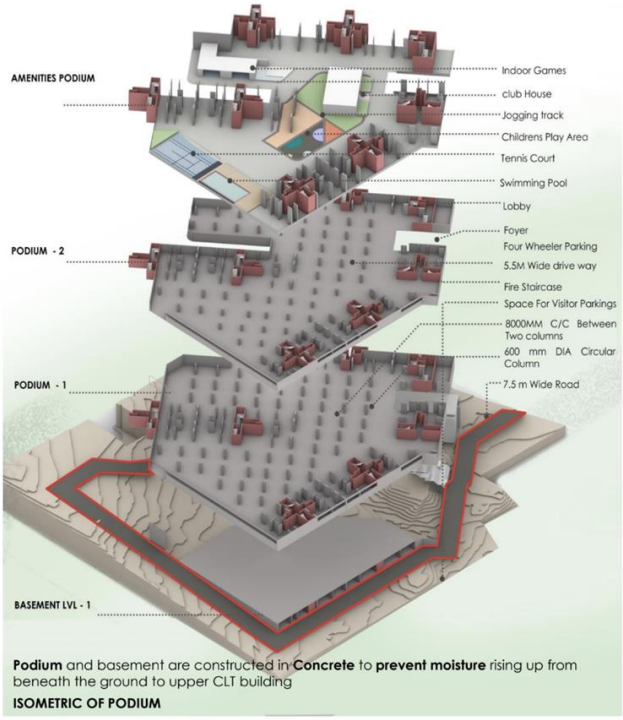
The Modules are also placed horizontally to form the floor plate with circulation happening from staircase and lifts

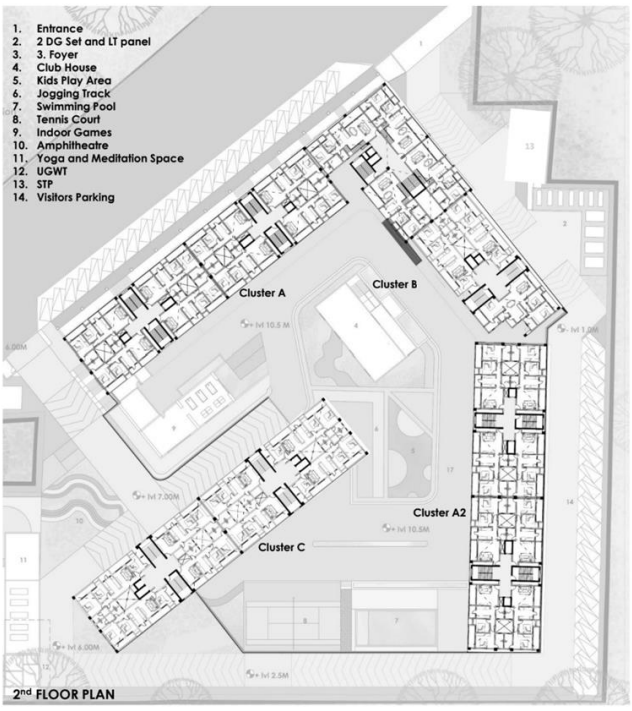
**Structural Strenghtening**

For Stability from Lateral pressure Glulam columns are provided and cross bracing are done with glulam timber blocks

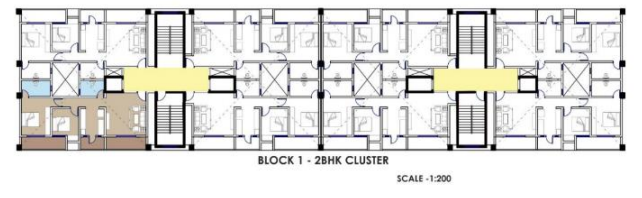
**Formation of block**

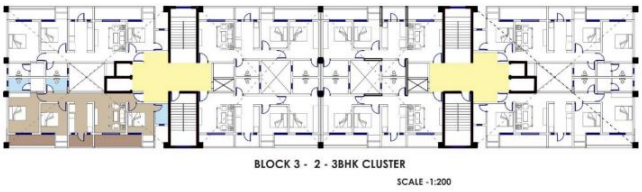
# PCERF -VIDHYARTHI AWARDS THIRD WINNER.



# PCERF -VIDHYARTHI AWARDS THIRD WINNER.

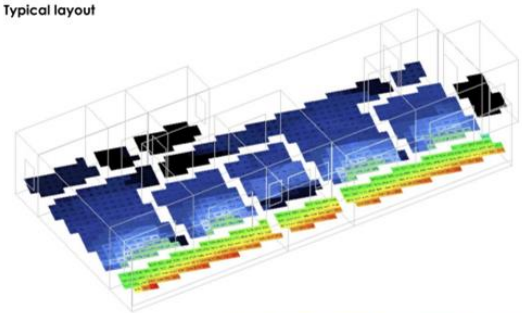


Cluster plans

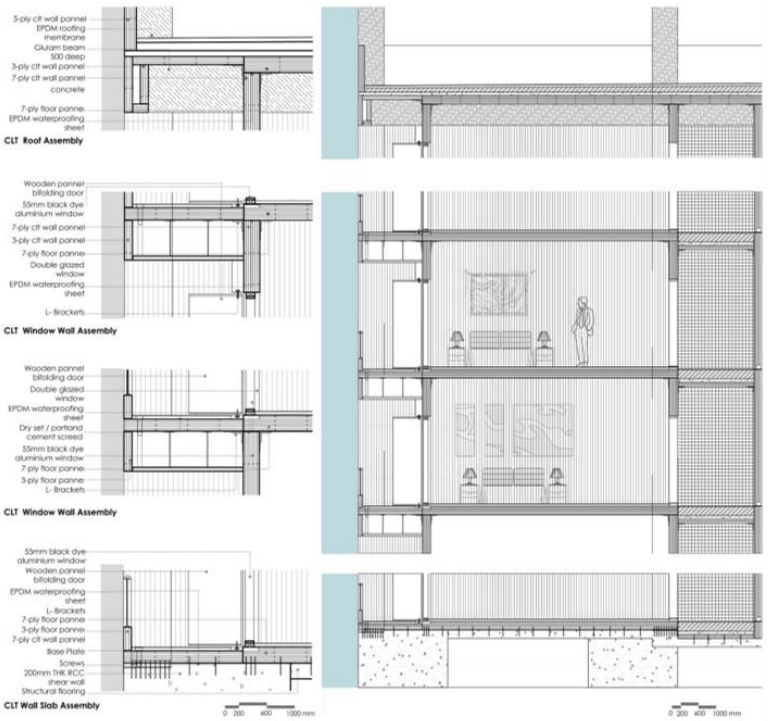
# PCERF -VIDHYARTHI AWARDS THIRD WINNER.

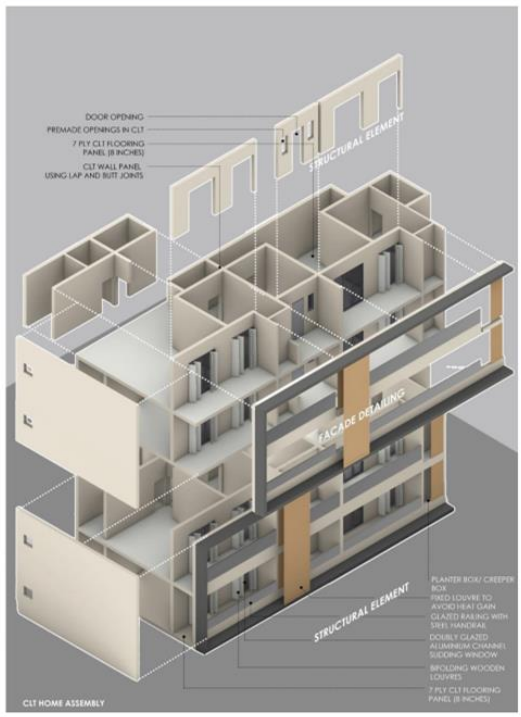
Typical layout



On Average Illuminance received inside the house is **311 lux**

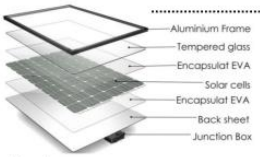
Day light analysis of a 3bhk tenement



# PCERF -VIDHYARTHI AWARDS THIRD WINNER.

## Solar Energy Calculation




Solar Panels Required on the terrace are **3300** no's Wattage – **440 w**
Energy Generated through 3300 Panels per day is **9309 kw**
Thus Achieving energy efficiency of **41.5%**

## U-value

| Sr No | Material | Thickness | Thermal Co | R=T/K |
|---|---|---|---|---|
| | CLT | 0.2 | 0.13 | 1.538461538 |
| | Wood Fibre | 0.035 | 0.038 | 0.921052632 |
| | | | R | 2.45951417 |
| | | | U | 0.406584362 |

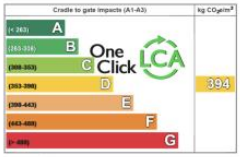
**The lower the U-value** of an element of a building's fabric, the **more slowly heat** is able to **transmit** through it, and so the better it **performs as an insulator**. Thus CLT with Wood Fiber Performs better than Concrete and brick Masonry

## IGBC Certifications

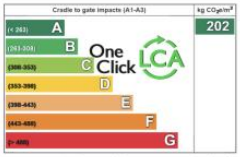
| Certification Level | Owner-occupied Buildings | Tenant-occupied Buildings | Recognition |
|---|---|---|---|
| Certified | 50 - 59 | 50 - 59 | Good Practices |
| Silver | 60 - 69 | 60 - 69 | Best Practices |
| Gold | 70 - 79 | 70 - 79 | Outstanding Performance |
| Platinum | 80 - 89 | 80 - 89 | National Excellence |
| Super Platinum | 90 - 100 | 90 - 100 | Global Leadership |

68 points

## Life Cycle Assessment




Base Case




Proposed Case (CLT as a Material)

# PCERF -VIDHYARTHI AWARDS THIRD WINNER.

**Photographs**

**CERTIFICATE**

Since 1983
Organiser

SHIRKE
QUALITY | TECHNOLOGY | CUSTOMER SATISFACTION
Sponsor

**Pune Construction Engineering Research Foundation (PCERF)**

**PCERF – B. G. Shirke Vidyarthi Awards 2023**

7th in Series

*Winner's Certificate – Rank III*

*Awarded to*

*Ashutosh Shivaji Gaware*

Category : Architecture Under Graduate
Guide : Ar. Ninad Rewatkar
Institute : SMEF's Brick School of Architecture

Awarded on 5th January, 2024

Er. Narendra Kothari
President, PCERF

Ar. Shirish Kembhavi
Hon. Secretary, PCERF

Ar. Mrinalini Sane
Convener, Vidyarthi Awards 2023

# IGBC 2023

**About the competition**

Green Design Competition 2023 the IGBC Green Design competition calls for ideas at any one of the three distinct scales of S, M, and L targeting positive change at different scales for the built environment. With each scale of the intervention, you have the opportunity to create solutions that push the users towards environmentally conscious and sensible lifestyles.

**STUDENTS PARTICIPATED**
TEAM 1- HEET HANGHAVI AND ANSH KADAM
TEAM 2 - ADITYA PANDOH DHRUTI MUZUMDAR

# IGBC 2023 WINNER- M Category

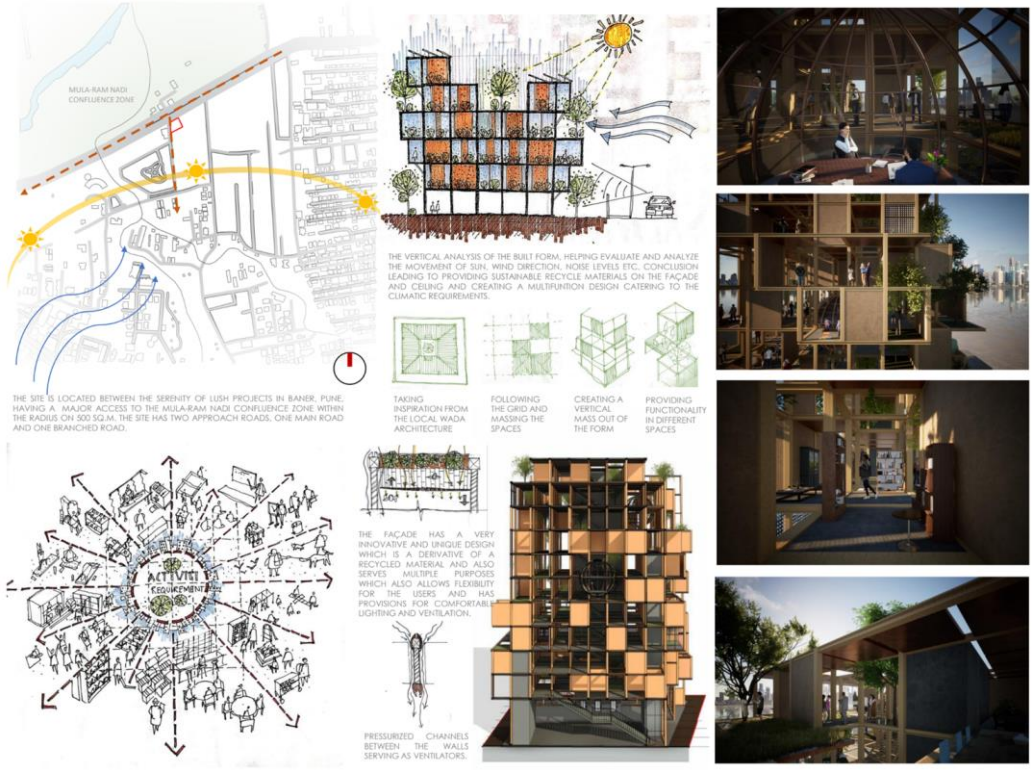
## Photographs

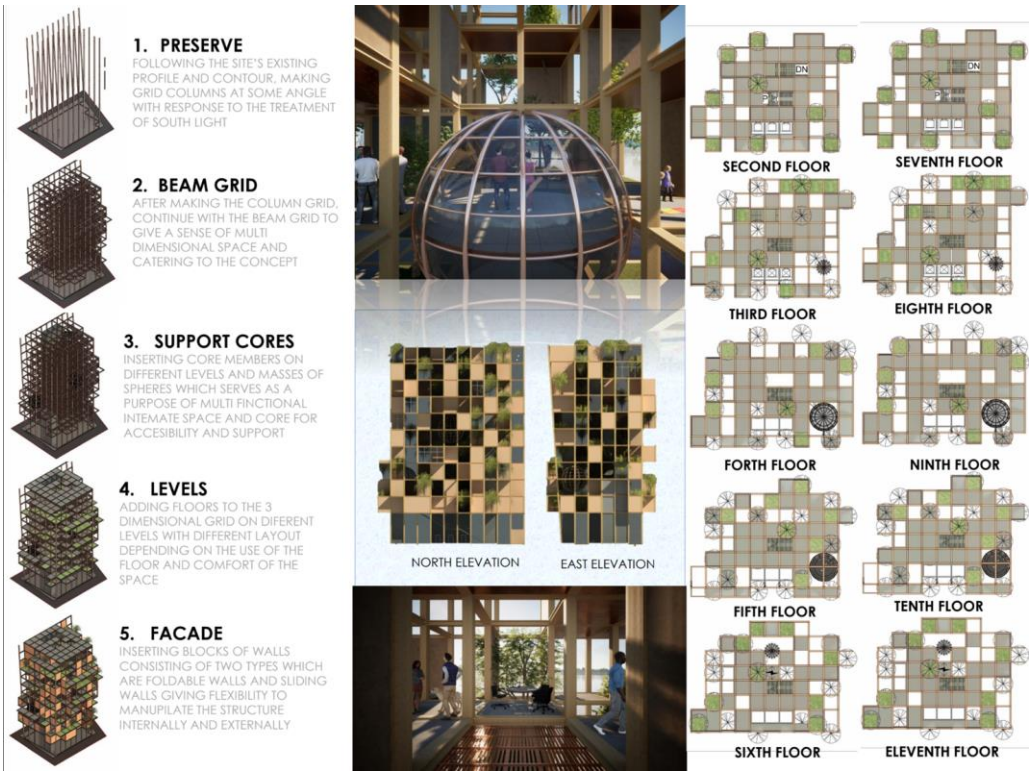
**ANSH KADAM**

**HEET SANGHVI**

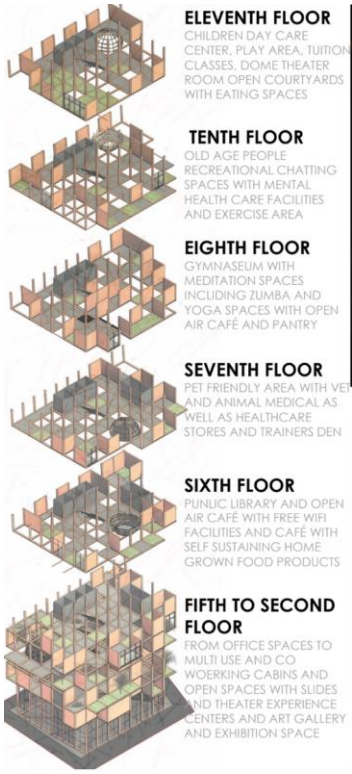
## Students Work

# IGBC 2023 WINNER- M Category



# IGBC 2023 WINNER- M Category



**ELEVENTH FLOOR**
CHILDREN DAY CARE CENTER, PLAY AREA, TUITION CLASSES, DOME THEATER ROOM OPEN COURTYARDS WITH EATING SPACES

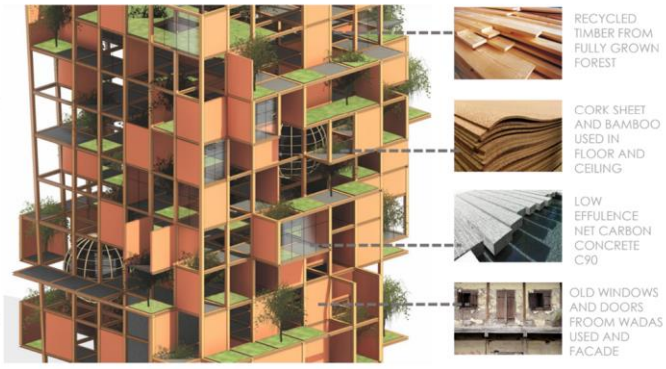
**TENTH FLOOR**
OLD AGE PEOPLE RECREATIONAL CHATTING SPACES WITH MENTAL HEALTH CARE FACILITIES AND EXERCISE AREA

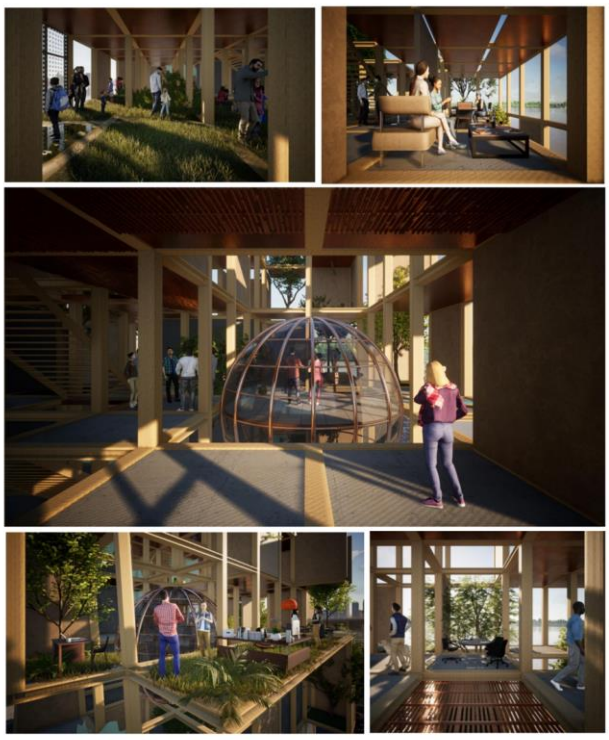
**EIGHTH FLOOR**
GYMNASEUM WITH MEDITATION SPACES INCLUDING ZUMBA AND YOGA SPACES WITH OPEN AIR CAFÉ AND PANTRY

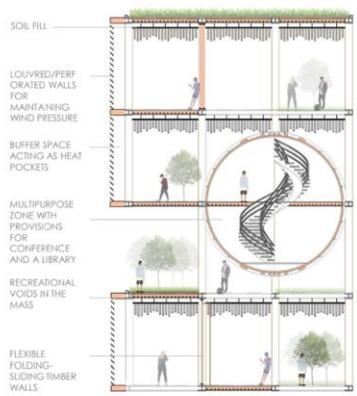
**SEVENTH FLOOR**
PET FRIENDLY AREA WITH VET AND ANIMAL MEDICAL AS WELL AS HEALTHCARE STORES AND TRAINERS DEN

**SIXTH FLOOR**
PUNLIC LIBRARY AND OPEN AIR CAFÉ WITH FREE WIFI FACILITIES AND CAFÉ WITH SELF SUSTAINING HOME GROWN FOOD PRODUCTS

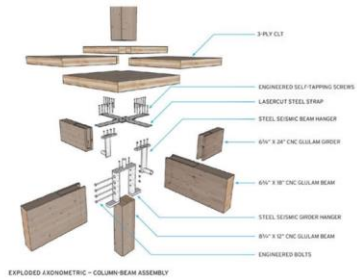
**FIFTH TO SECOND FLOOR**
FROM OFFICE SPACES TO MULTI USE AND CO WOERKING CABINS AND OPEN SPACES WITH SLIDES AND THEATER EXPERIENCE CENTERS AND ART GALLERY AND EXHIBITION SPACE



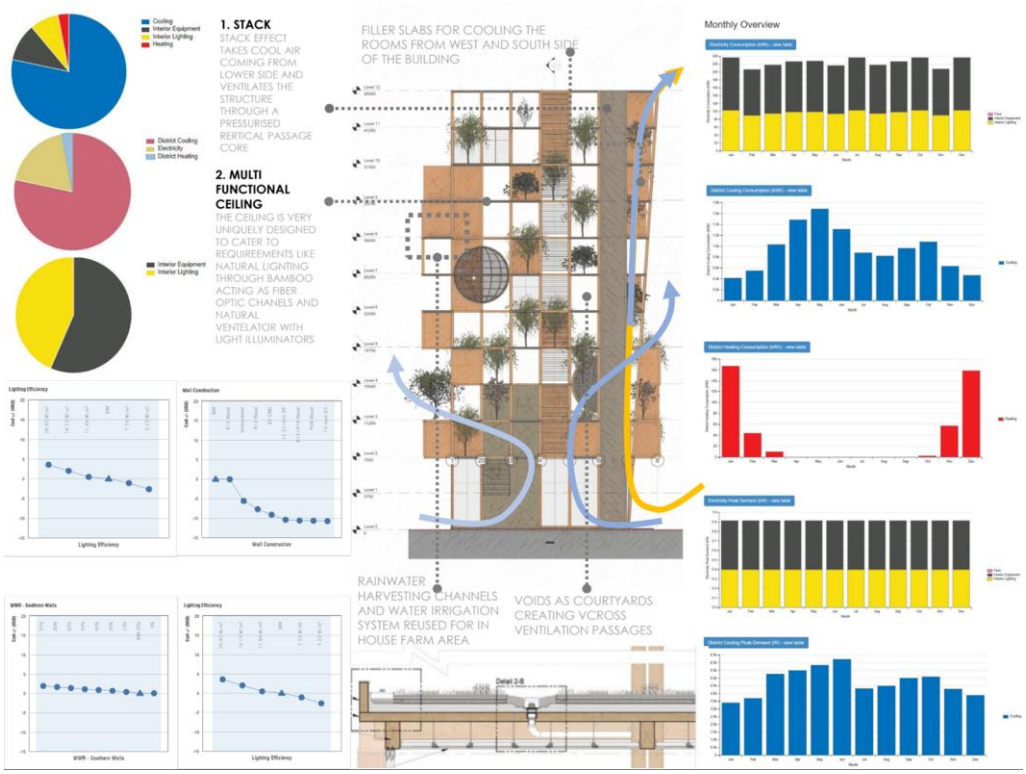



PART SECTION SHOWING DETAILS




EXPLODED AXONOMETRIC – COLUMN-BEAM ASSEMBLY

# IGBC 2023 WINNER- M Category



# IGBC 2023 WINNER- M Category

C

INDIA @ 75 | Azadi Ka Amrit Mahotsav

LiFE Lifestyle for Environment

IGBC

B20 India Secretariat
CII
Confederation of Indian Industry

17th IGBC GREEN DESIGN COMPETITION

Certificate of Achievement

This certificate is presented to Heet Sanghvi, a student/graduate from SMEF's Bricks Group of Institute, as the

Winner

of the 17th IGBC Green Design Competition – M Category Solutions on the theme of 'Design for LiFE: S M L Solutions for a Sustainable Future', held from April 2023 to October 2023.

Ar. Sharukh Mistry
Founding Partner
Mistry Architects

Mr. Gurmit Singh Arora
Chairman,
Indian Green Building Council

Mr. B. Thiagarajan
Vice-Chairman,
Indian Green Building Council

Mr. K. S. Venkatagiri
Executive Director,
CII-Godrej GBC

? ethos !!
www.ethosempowers.com

GREEN BUILDING CONGRESS®
INDIA'S FLAGSHIP CONFERENCE & EXPO ON GREEN BUILT ENVIRONMENT
23 - 25 NOVEMBER 2023
CHENNAI TRADE CENTRE | CHENNAI | INDIA

DAIKIN

# ARCHMELLO HIGHNESS

**About the competition The Highness - A Challenge To Design An Innovative Hotel**

Tourism industry has always contributed largely in terms of revenue for any healthy economy. Accommodation i.e hotels/resorts/motels is one of the biggest sectors in terms of size , function & revenue. Exploring new places , culture , food & attractions is now the sole purpose of traveling today. By 2030 it is assumed the industry will be worth more than 1700 billion USD. The rise in purchasing power , desire for travel experiences and increasing number of digital influences are fuelling the growth of the hospitality industry. The aim of this brief is to achieve an innovative design solution for a hotel which stands out in terms of architecture , interiors and provides a unique experience to its guests through its architecture & design

.

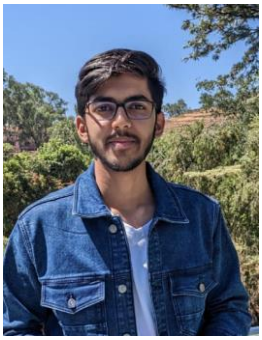
**STUDENTS PARTICIPATED**
TEJAS JAMDAR , VIRAJ DESHMUKH , MAYUR PAND**E**

# ARCHMELLO HIGHNESS- HOUNRABLE WINNER

## Photographs

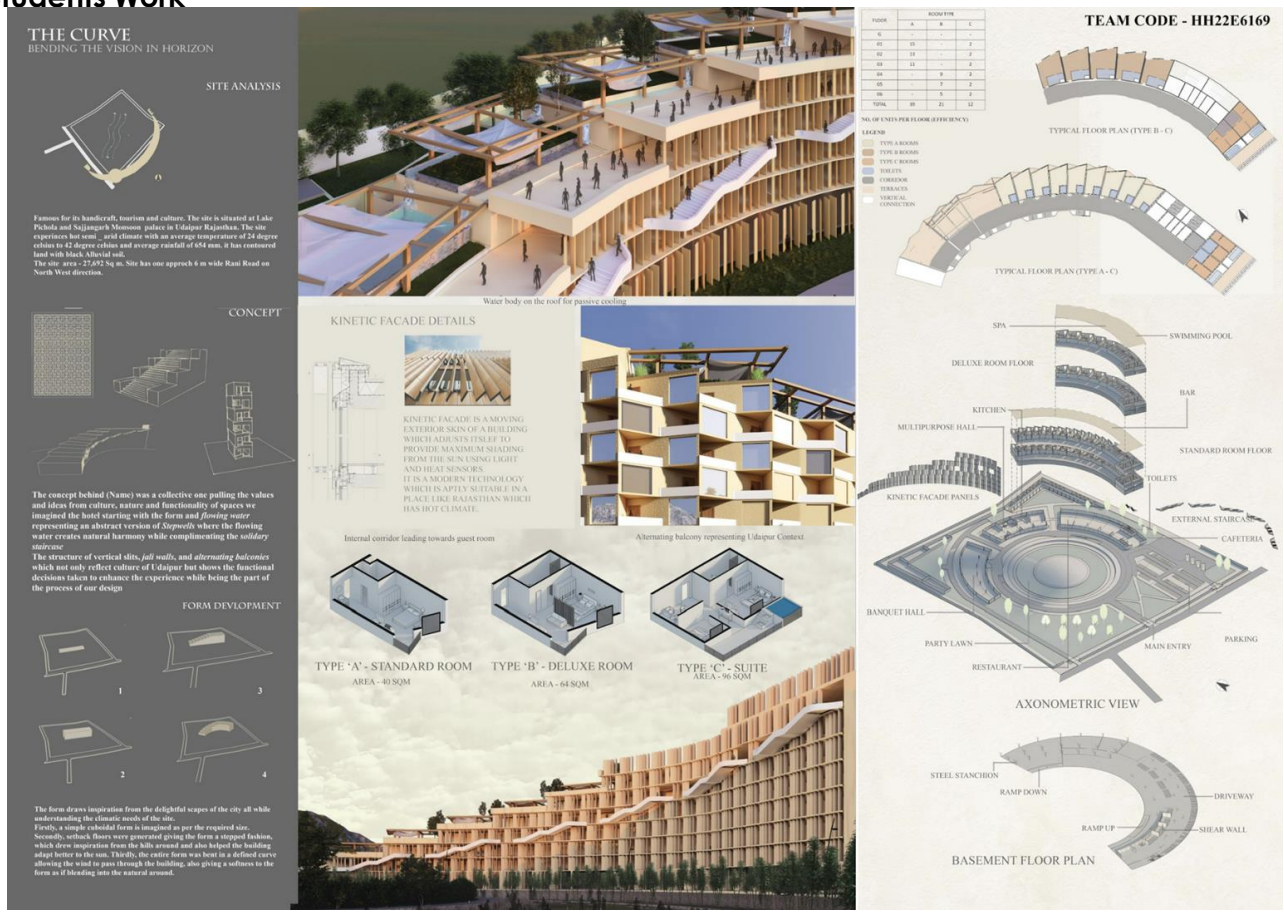
**TEJAS JAMDAR**

**MAYUR PANDE**



**VIRAJ DESHMUKH**

## Students Work



# ARCHMELLO HIGHNESS- HOUNRABLE WINNER

**CERTIFICATE**

# ARCHMELLO HIGHNESS- HOUNRABLE WINNER

## CERTIFICATE

# THE DRAWING BOARD

**About the competition**

The program is to redesign the existing Badami archaeological museum. Badami has a settlement of skilled craftspeople, including weavers of traditional Ilkal sarees. The museum should have spaces to celebrate this skill and craft of the locals The built up area has to be 7500 sft-. In addition to the exhibition space, museum should also house functions like restrooms, an open-air theater, administration offices, a café and other ancillary facilities.The demarcated site is located on the bank of the Agastya lake. The immediate surroundings consist of the Honkadakatte Anjaneya temple and the Mallikarjuna gudi along the sides of the existing museum which has to be demolished and redesigned. The existing Museum faces the lake and is set with a majestic backdrop of the golden red sandstone rocky mountain. A fort wall with large gateways and a honda (stepped well) are also in close proximity. The site location is chosen strategically as one can experience the lake, rock cut caves, the temples and the natural context together cohesivel

**STUDENTS PARTICIPATED**
MAYUR PANDE ,VAISHNAVI MAGDHUM ,ANSH KADAM

# THE DRAWING BOARD

**Participants**

Team 1

Ansh Kadam Mayur Pande and Vaishnavi Magdum

:

Team2

Tejas Jamdar, Swaraj Jadhao and Meera Bothe

Team 3

Chirantan Patil, Ashwini Gupta and Khushi Senthil

Team 4

Yash mathapati, Yashasvini Patare, Gauri Thange

Team 5

Sanjana Kotecha, Omkar Godse

# THE DRAWING BOARD - SPECIAL MENTION

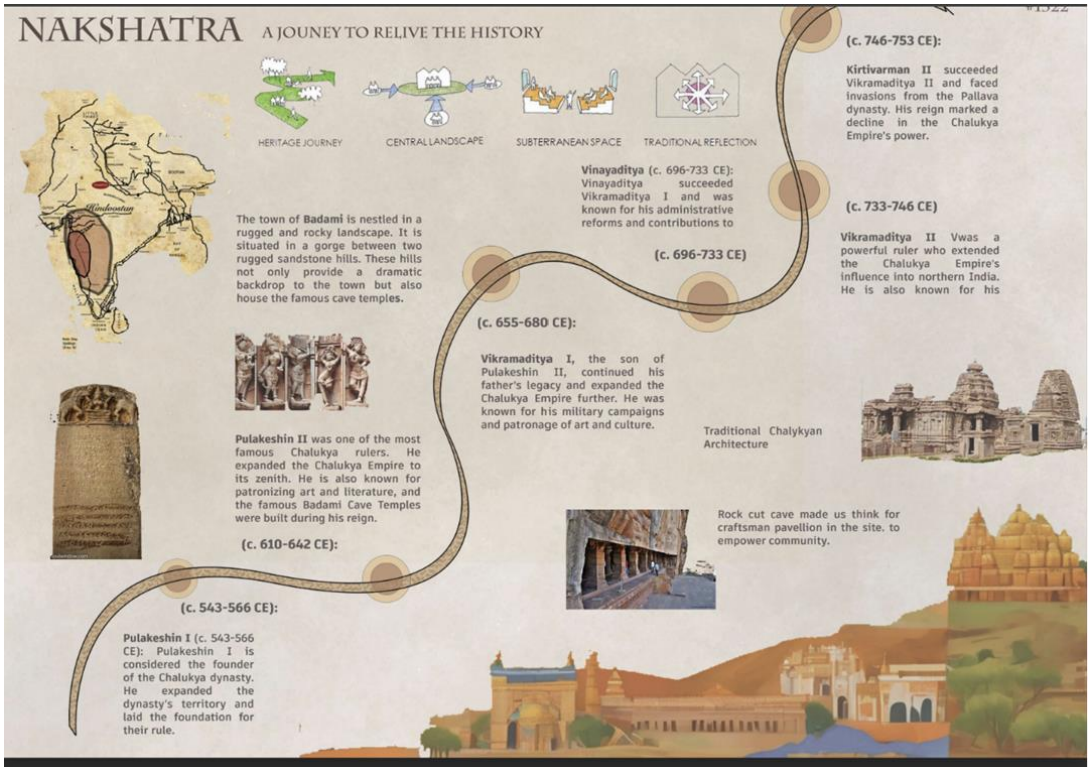
**Photographs**

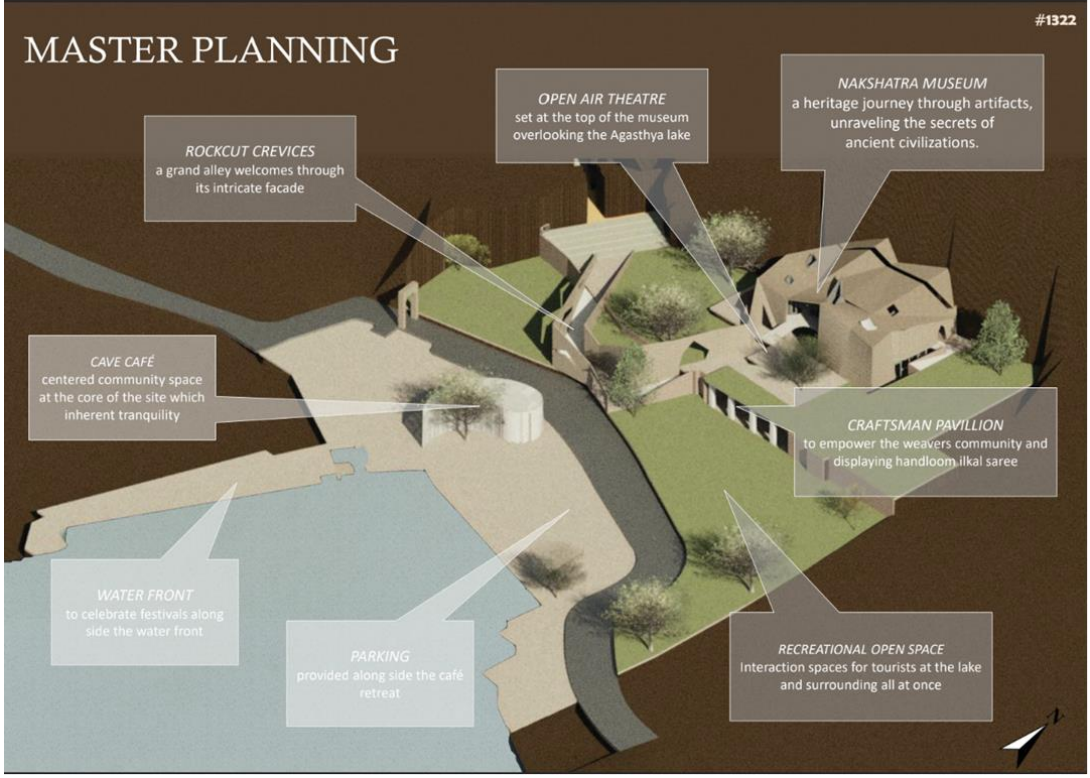
**MAYUR PANDE**

**VAISHNAVI MAGDUM**

**ANSH KADAM**

# THE DRAWING BOARD - SPECIAL MENTION



# THE DRAWING BOARD - SPECIAL MENTION

# THE DRAWING BOARD - SPECIAL MENTION

**CERTIFICATE**

# THE DRAWING BOARD- TOP 10

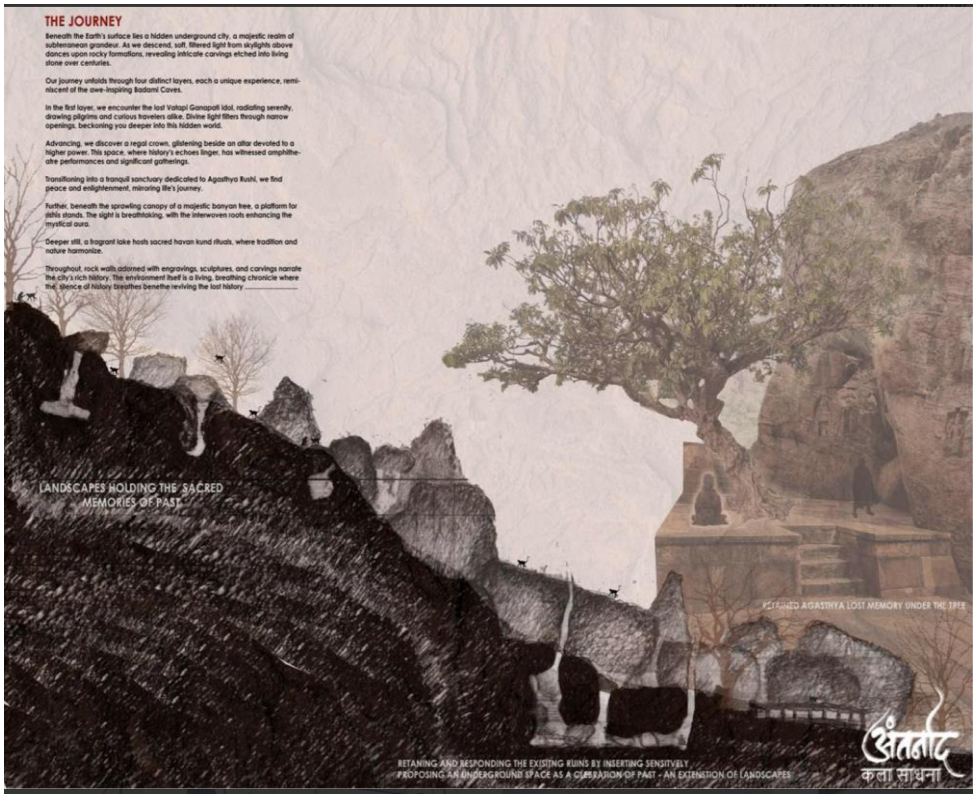
## Photographs

SANJANA KOTECHA

OMKAR GODSE

## Students Work

# THE DRAWING BOARD- TOP 10



# TINY HOUSE

**About the competition**

Participants are to design a Tiny House for 2 people that would provide a comfortable living space. The design of the Tiny House should be innovative and creative with a sustainable edge.

:

The area of the proposed Tiny House should not exceed 300 sq. ft., where mobility is a vital factor. The house need not have the ability to transfer itself from place to place; it could be treated as a unit or an assembly of units that can be towed/moved easily by a car or a pickup truck. However, the participants can avoid the issue of mobility altogether by choosing a permanent site and providing a strong justification for the same

**STUDENTS PARTICIPATED**
Aditya Pandoh ANSH KADAM

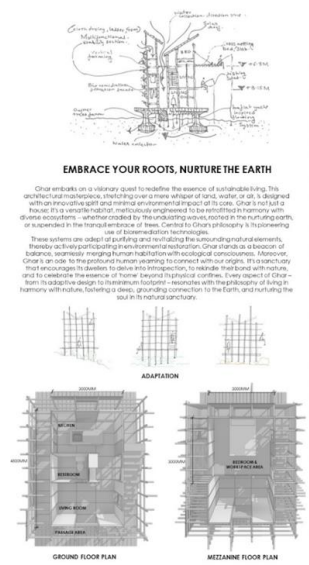
# TINY HOUSE - TOP 50

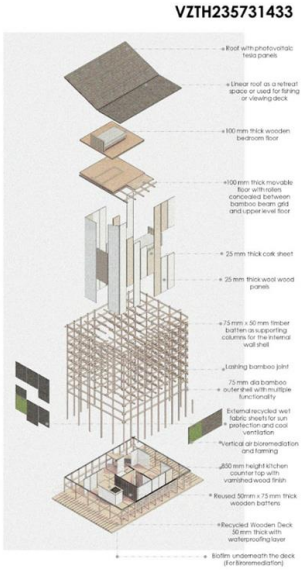
## Photographs

**ADITYA PANDOH**

**ANSH KADAM**

## Students Work



# TINY HOUSE - TOP 50

**CERTIFICATE**

# TINY HOUSE - TOP 50

**CERTIFICATE**

# ARCHITECTURAL GRAPHIX

## About the competition

Architectural GRAPHIX - Celebrating Architecture Through Drawings Total Prize Worth INR 45,000 + 10 Honorable Mentions + 10 Special Mentions In architecture , drawings are our primary tools of communication through which we as designers express/showcase/deliver our design thoughts to our clients. From manually drafting to today's digital version , architectural drawings have seen an impressive transformation.Today , students & young professionals have taken the architectural drawing presentation to a whole new level. Instead of flat Autocad drawings , today's GEN Z designers are preparing more visually appealing graphics using Photoshop & other presentation softwares. Instagram is flooded with such eye-catching plans , sections , axonometric diagrams and elevations.Through this competition it is our small attempt to provide recognition to this new generation of graphic masters. It's time to put your architectural drawing presentation skills on test & join us today as we celebrate architecture through drawings

**STUDENTS PARTICIPATED**
AMAY RAHI, NIPUN AGRAWAL
AMAY RAATHI, URJA LADDHA

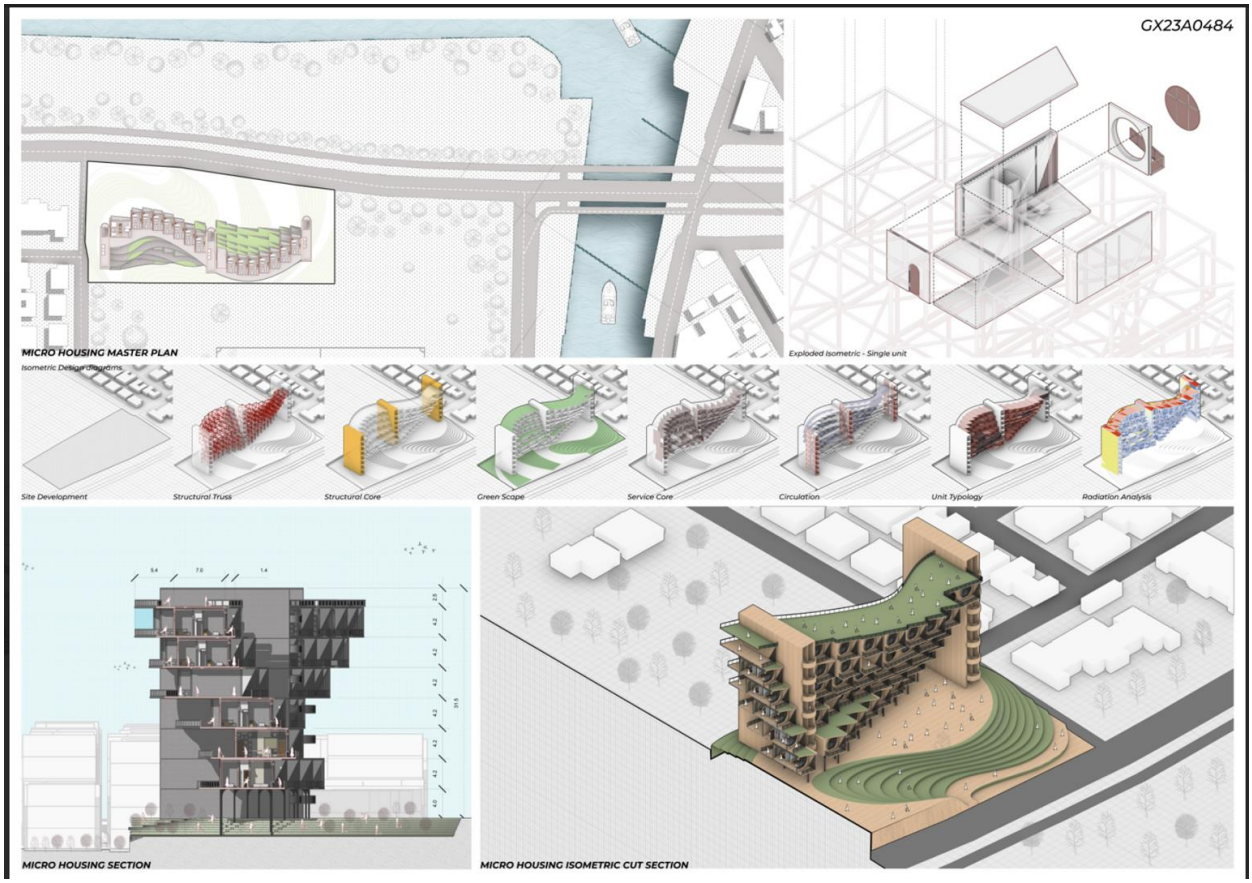
# ARCHITECTURAL GRAPHIX -HOUNRABLE WINNER

**Photographs**

**AMAY**

**NIPUN**

**Students Work**



# ARCHITECTURAL GRAPHIX -SECOND WINNER

## About the competition

Architectural GRAPHIX - Celebrating Architecture Through Drawings Total Prize Worth INR 45,000 + 10 Honorable Mentions + 10 Special Mentions In architecture , drawings are our primary tools of communication through which we as designers express/showcase/deliver our design thoughts to our clients. From manually drafting to today's digital version , architectural drawings have seen an impressive transformation.Today , students & young professionals have taken the architectural drawing presentation to a whole new level. Instead of flat Autocad drawings , today's GEN Z designers are preparing more visually appealing graphics using Photoshop & other presentation softwares. Instagram is flooded with such eye-catching plans , sections , axonometric diagrams and elevations.Through this competition it is our small attempt to provide recognition to this new generation of graphic masters. It's time to put your architectural drawing presentation skills on test & join us today as we celebrate architecture through drawings

**STUDENTS PARTICIPATED**
AMAY , URJA

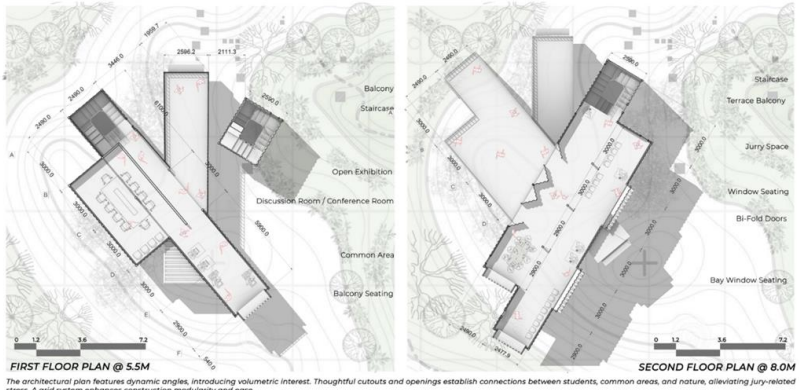
# ARCHITECTURAL GRAPHIX -SECOND WINNER

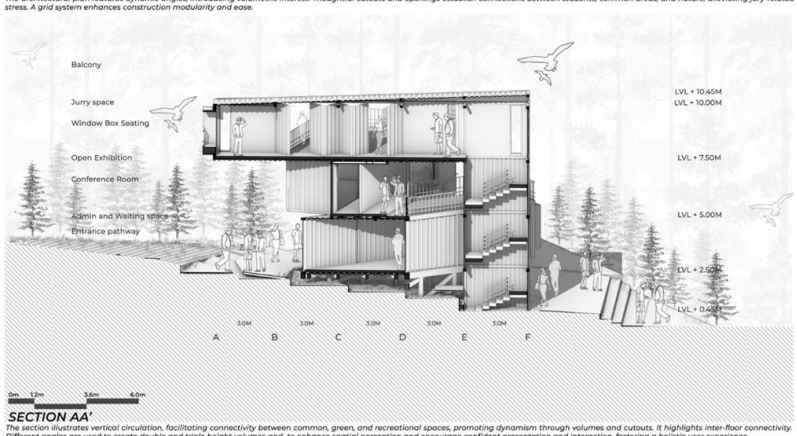
## Photographs

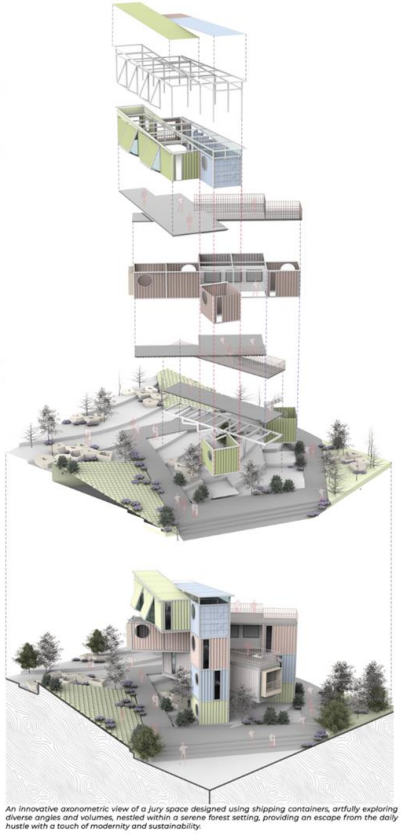
**AMAY RATHI**

**URJA LADDHA**

## Students Work



# GRAPHISOFT

## An Inter college Competition with many prizes

This Studio provides you a guided outlook towards competition. Students first learn the software, tools and discuss their designs with the Architect, get inputs, rework and refine them to compete

### Collaborate

10 Colleges come together to engage in interactive sessions, workshops, and critiques that unlock new perspectives and ignite innovation.

### Get Guidance

This online studio would be mentored by Ravi Sarangan for Design Sessions & Sandor Bali for Technical Sessions.

### Compete

Use an icon and text to communicate the value proposition and share the specific benefits of your offering. What makes it unique in your market?

# GRAPHISOFT

The Competition was organised by Graphisoft Company who has developed Archicad BIM Software. The competition was organised in collaboration with Ethos Ace edge learning platform. The competition was held between 10 Architectural school and series of Technical session were taken up initially to teach Graphisoft Archicad software using online live and recorded session with Mr. Sandor Bali from Graphisoft. These were Followed by Specialized design Session taken up by Ar. Ravi Sarangan, co-founder of Edifice Consultants Pvt. Ltd.

Theme of this year's' competition was Habitat Design for 3rd - 4th year B. Arch Students. At Brick we have taken up as an elective along with 4th year Design Studio which aim at Habitat studio.

The students were asked to submit sheets over presentation along with Archicad model.

There were two prizes :

1. **First prize winning student entry**

**Participants Students**

1. ANUSHKA SAWANT
2. OM YOGESH PAWAR
3. HEET SANGHVI
4. NIDHI PAGARIA
5. UMESH JADHAV
6. SAMRUDDHI UTTEKAAR
7. SHREYA DHARGAWE
8. TANVI LOYARE
9. KOMAL KARALE
10. ADITYA ANDOH
11. ANANYA TAMBE
12. NEHA KADAM
13. VEDANT JOSHI

2. **Best design Studio Award**

**Participating Schools**

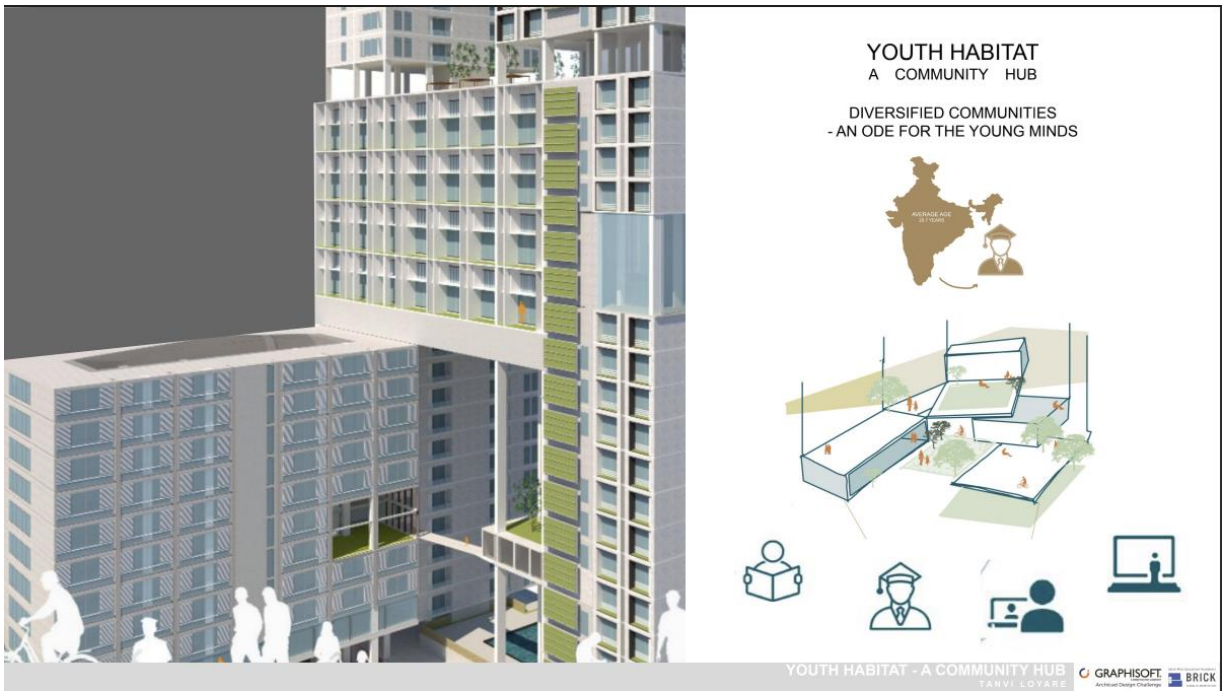
1. Manipal school of architecture and planning MAHE
2. Faculty of Architecture and Planning Vivekananda Global University: VGU
3. Reva University
4. PSG Institute of Architecture and Planning
5. SMEF's Brick School of Architecture
6. SPA Delhi
7. Aayojan School of Architecture and Design
8. Priyadarshini Institute of Architecture and Design Studies
9. School of of Architecture, VIT
10. Manipal University Jaipur

# GRAPHISOFT FIRST PRIZE WINNER & BEST STUDIO AWARDS

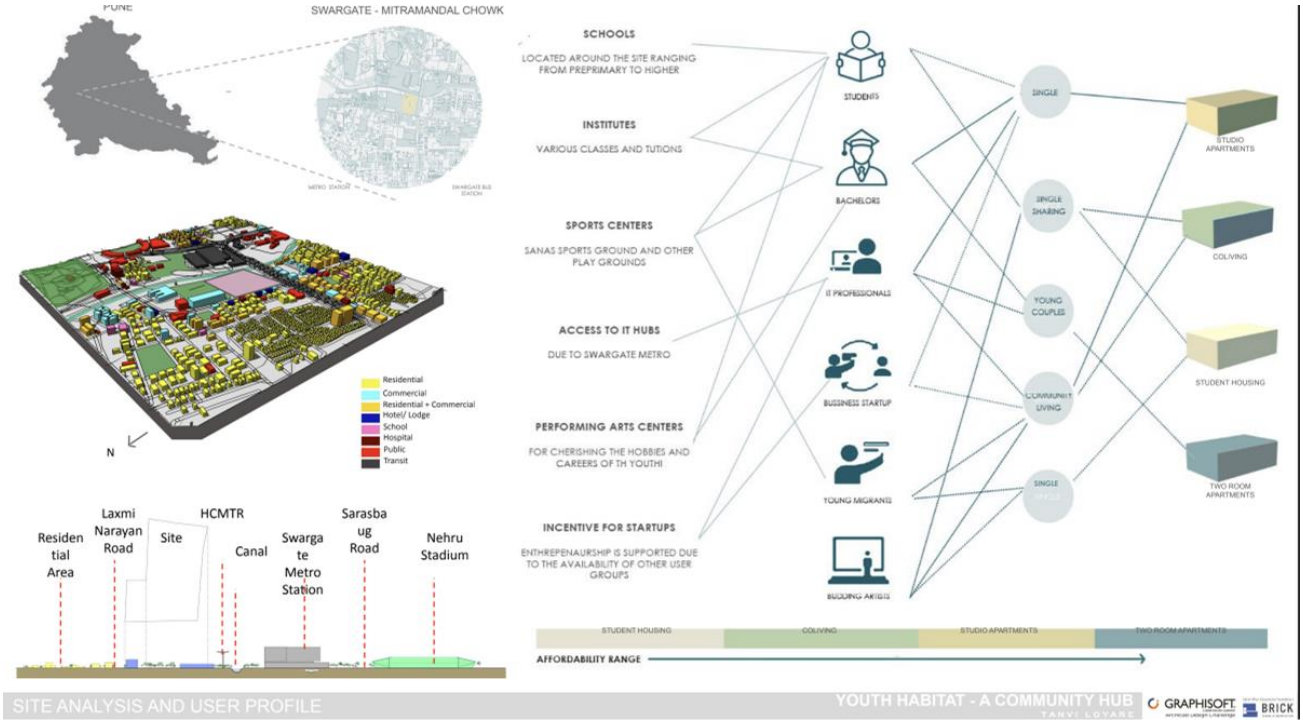
**Photographs**

**TANVI LOYARE**

**Students Work**

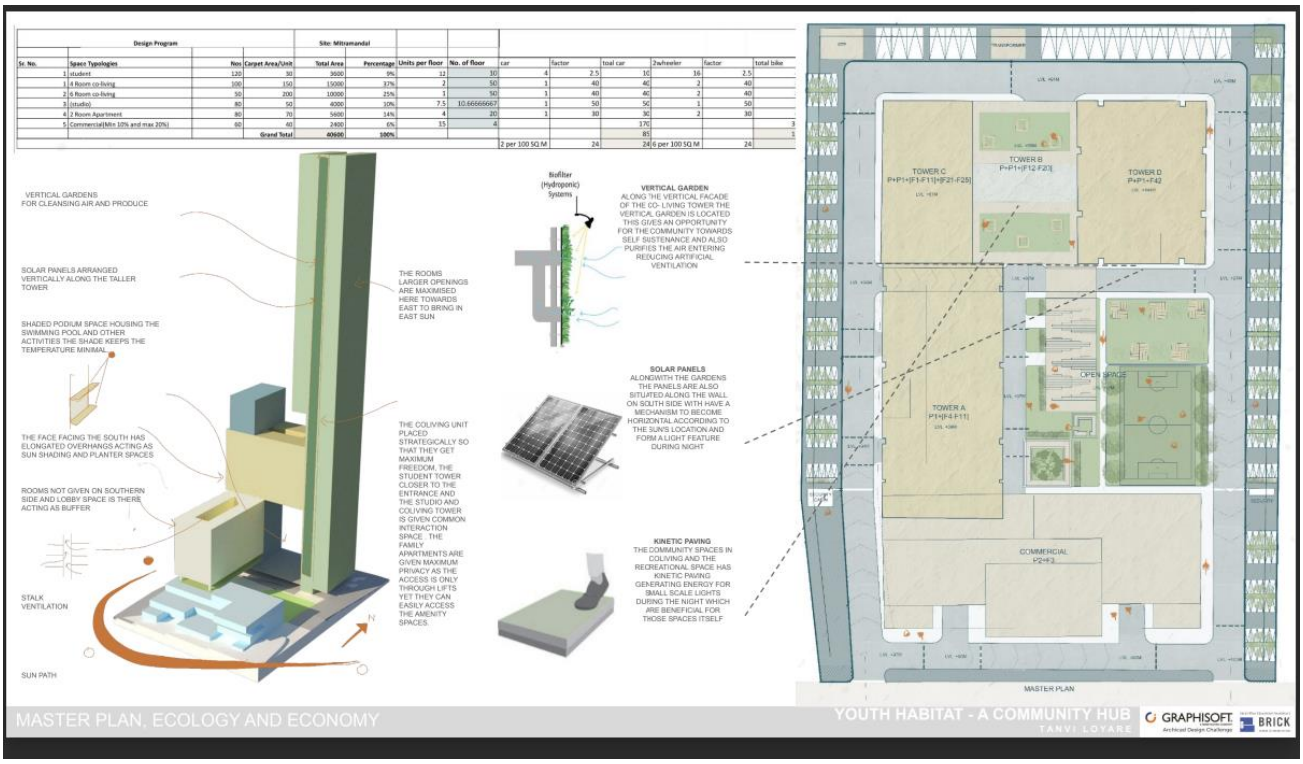


# GRAPHISOFT FIRST PRIZE WINNER & BEST STUDIO AWARDS




SITE ANALYSIS AND USER PROFILE

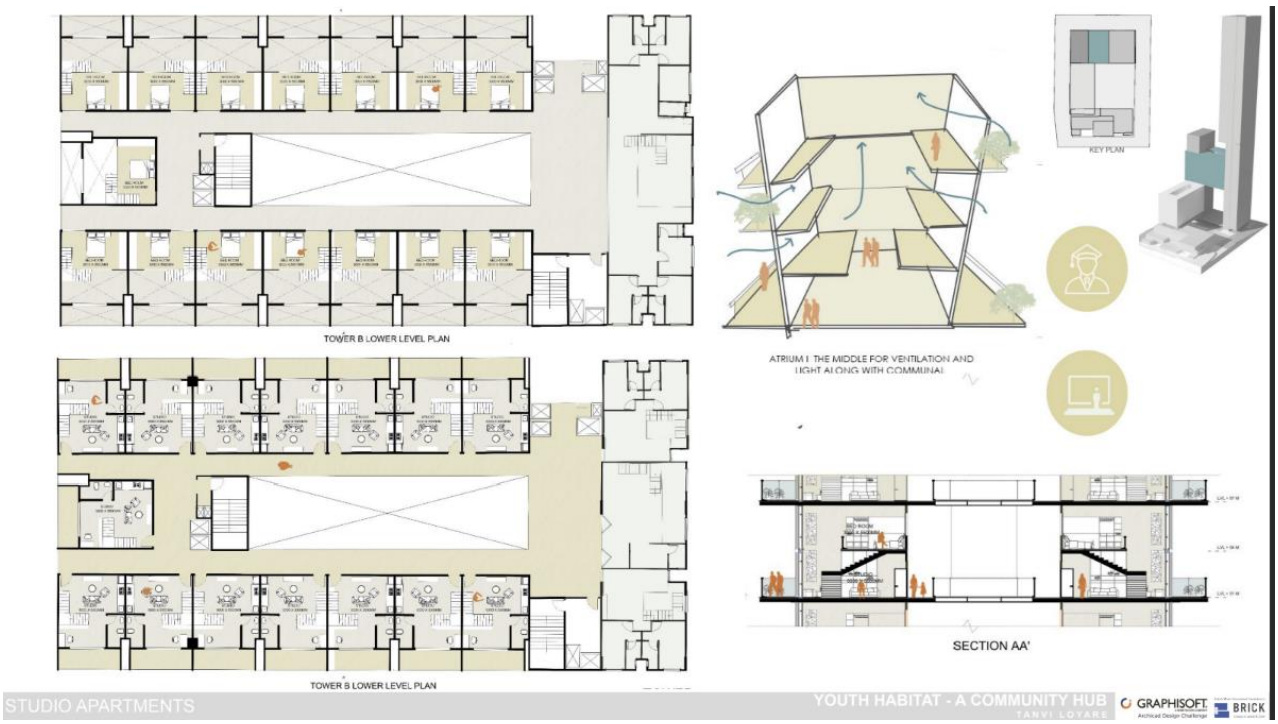
YOUTH HABITAT - A COMMUNITY HUB
TANVI LOYARE



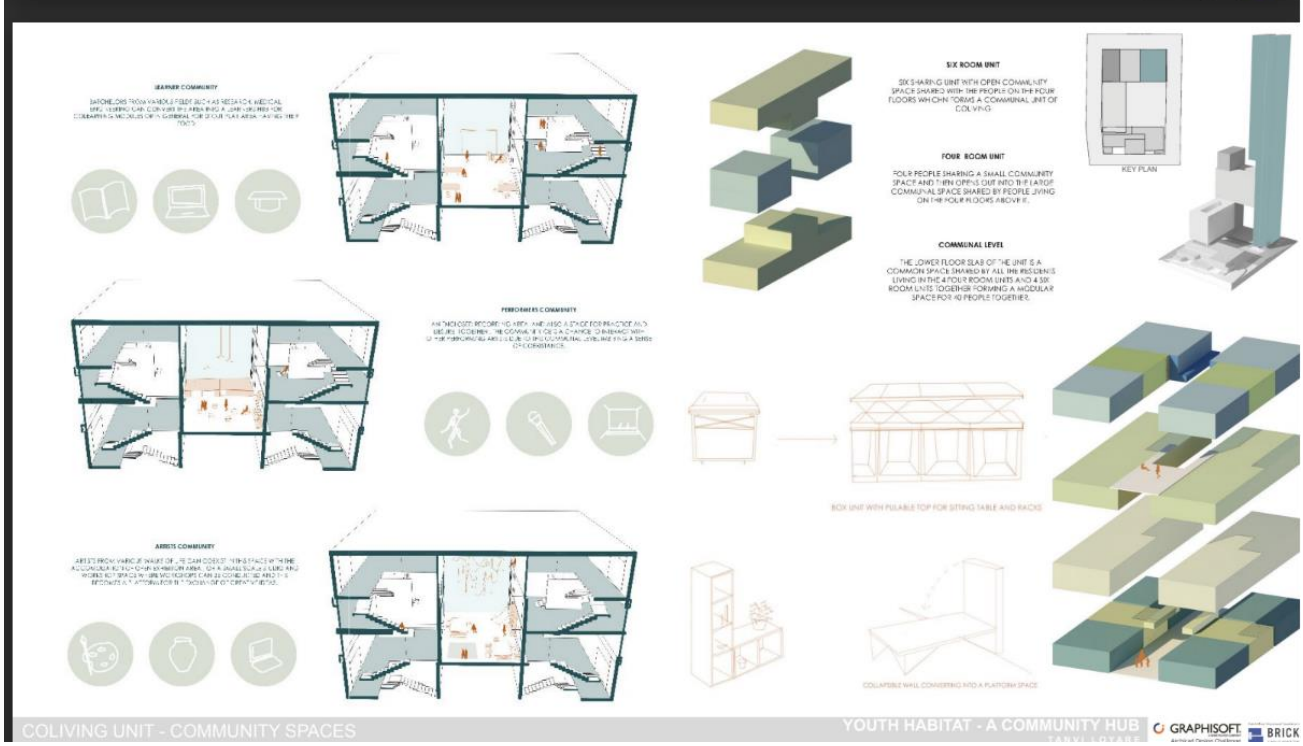

MASTER PLAN, ECOLOGY AND ECONOMY

YOUTH HABITAT - A COMMUNITY HUB
TANVI LOYARE

# GRAPHISOFT FIRST PRIZE WINNER & BEST STUDIO AWARDS

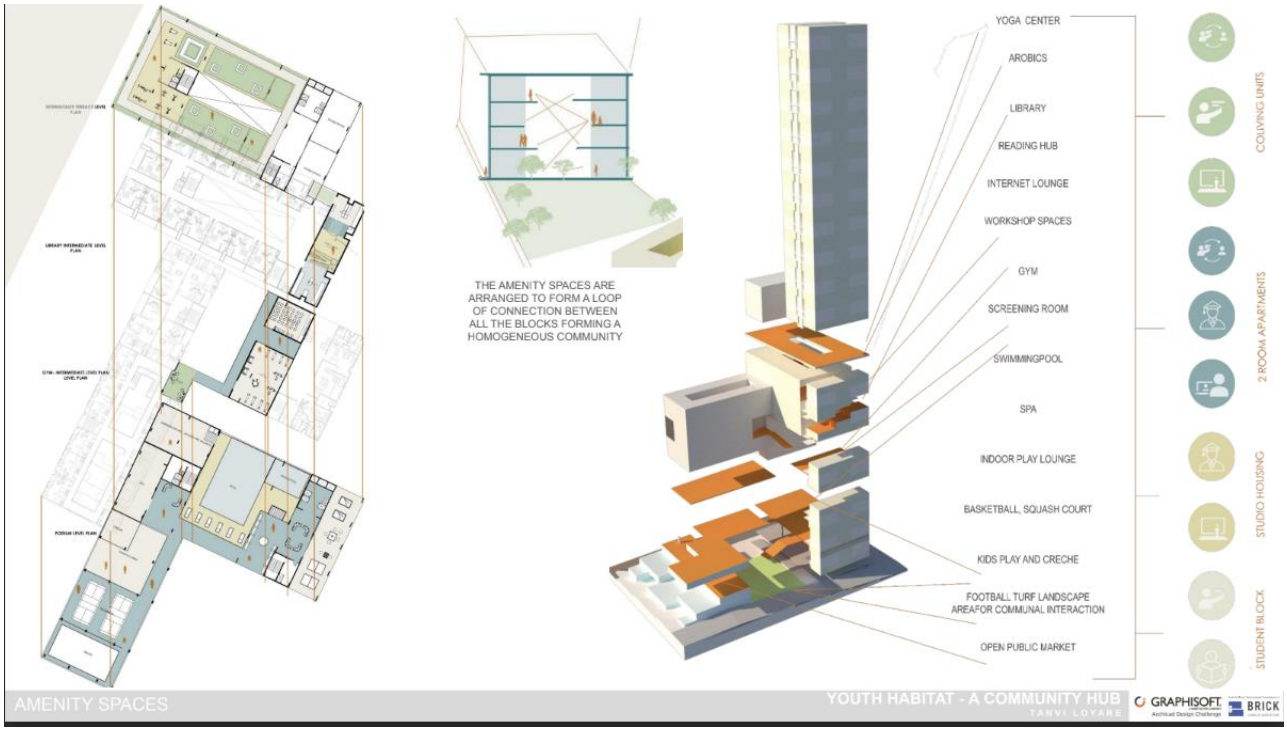


# GRAPHISOFT FIRST PRIZE WINNER & BEST STUDIO AWARDS



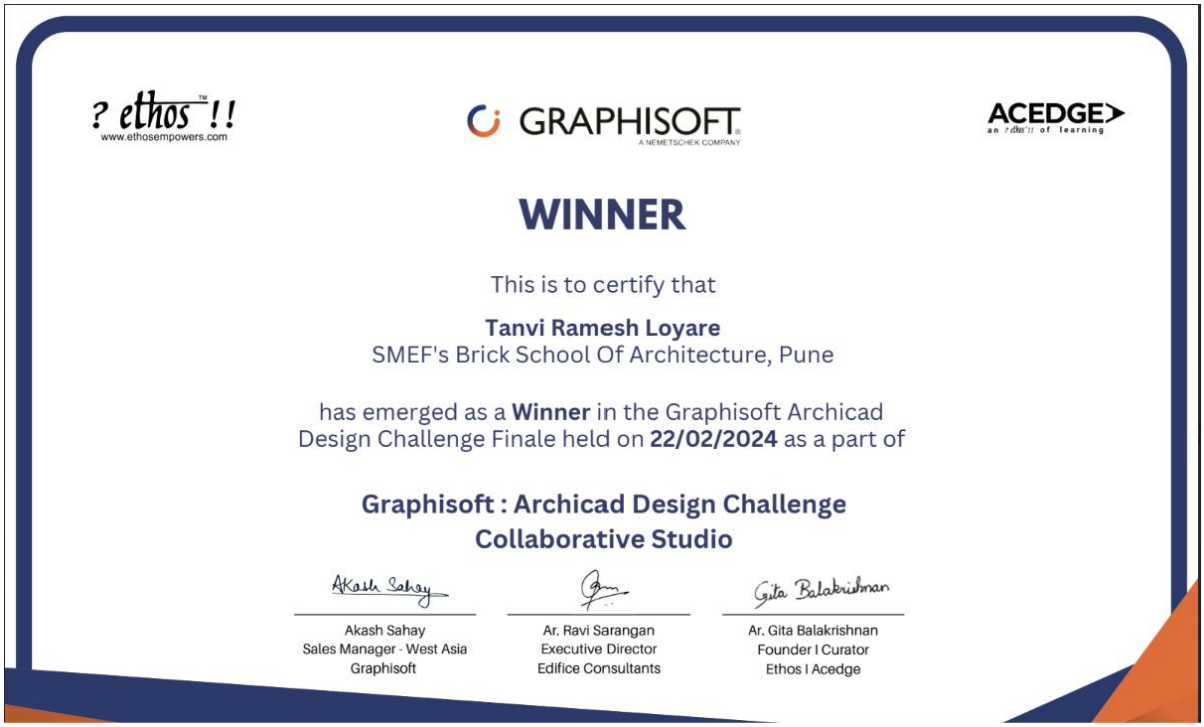
# GRAPHISOFT FIRST PRIZE WINNER & BEST STUDIO AWARDS

# GRAPHISOFT FIRST PRIZE WINNER & BEST STUDIO AWARDS



# GRAPHISOFT FIRST PRIZE WINNER & BEST STUDIO AWARDS

## CERTIFICATE



# ARCHUMEN QUIZ - 2024

**Photographs**

**SWARAJ JADAHO** **NITISH RANGASWAMY**

# GRAPHISOFT MINIQUIZ

**Photographs**

**SWARAJ JADAHO**

# AIS- DESIGN OLYMPIAD

Asahi India Glass Ltd. (AIS) is India's leading integrated glass and window solutions company and a dominant player both in the automotive and architectural glass segments. It commands over 70% share in the Indian passenger car glass segment and over 35% in the value-added architectural glass segment. Established in 1987, AIS' footprint today spans the entire spectrum of the automotive and architectural glass value chains. AIS has three Strategic Business Units (SBUs) - Automotive, Architectural and Consumer glass. It is engaged in the production and delivery of next-generation glass and window products and solutions to retail and institutional customers through these SBUs. We provide end-to-end solutions across the entire value chain in all three segments, from the manufacturing of oat glass to glass processing, fabrication, and installation. AIS caters to customers in domestic as well as international markets.

Their focus at AIS is on innovation and product development that aligns with the latest designs and architecture. As we look to the future, we believe that a key approach to sustainable architecture lies in the concept of 'Net Zero' architecture. The AIS Design Olympiad (ADO) provides a platform to inspire young architectural students and foster their creativity. We believe that glass is a versatile, green material that has a vital role to play in sustainable design for the future. Through this platform, they aim to empower students to explore the many functionalities of glass and create futuristic designs for sustainable spaces that benet both people and the planet. Pioneering the way forward, it is essential to explore new and innovative approaches to architecture that can cater to the changing needs of our society. This competition invites you to present your unique vision of the future through your designs, incorporating modern technologies and sustainable practises.

# AIS- DESIGN OLYMPIAD

## Participants

TEAM 1

Tejas Patil (4th year)

Heer rawal(5th year)

Samruddhi uttekar (4th year)

Aditya kangankar(4th year)

TEAM 2

Anish Sheth (4th year)

Sanika Hirve (4th year)

Yash Ruikar (3rd year)

Akshita Sathe (5th year)

TEAM 3

Tanvi Loyare (4th year)

Dhruti Muzumdar(4th year)

Ansh Kadam(4th year)

Heet Sanghvi (4th year)

TEAM 4

Mansi Shitole (4th year)

Rohit Pokaharana (4th year)

Atharva Vanjari. (5th year)

Atharva Shinde. (5th year)

TEAM 5

Komal Kumbhar (4th year)

Shreya Dhargawe (4th year)

Mayur Pande (4th year)

Vaishnavi Magdum(4th year)

TEAM 6

Bhumika shinde (4th year)

Gaurav Kankekar (4th year)

Tejas jamdar (3rd year)

TEAM 7

Vishal Dayani (5th year)

Akshita Rathi (5th year)

Shreya Bhide (5th year)

Kushal Patil (5th year)

TEAM 8

Vanshika Parekh (5th year)

Ishwari patil (4th year)

TEAM 9

Ram kale (5th year)

Vedanti Pawar(4th year)

Gauri Mahajan(4th year)

Ansh Agrawal (3rd

## TEAM 9 WON FIRST RUNNERS UP AT REGIONAL ROUND

# AIS- DESIGN OLYMPIAD
# FIRST RUNNERS UP AT REGIONAL ROUND
# SECOND RUNNERS UP AT NATIONAL ROUND

**Photographs**

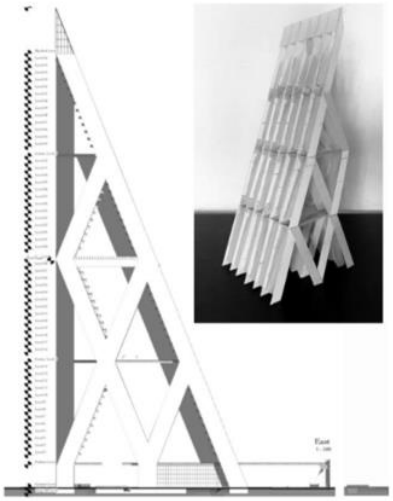
**RAM KALE**

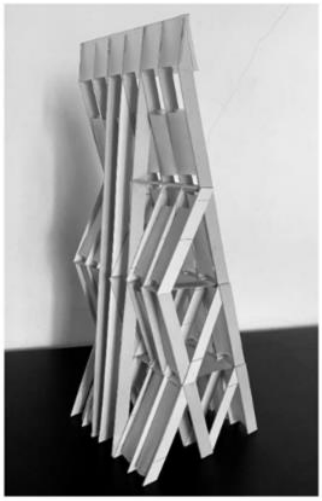
**ANSH AGARWAL**

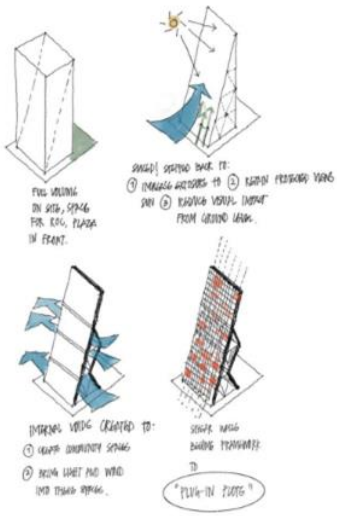
**GAURI MAHAJAN**

**VEDANTI PAWAR**

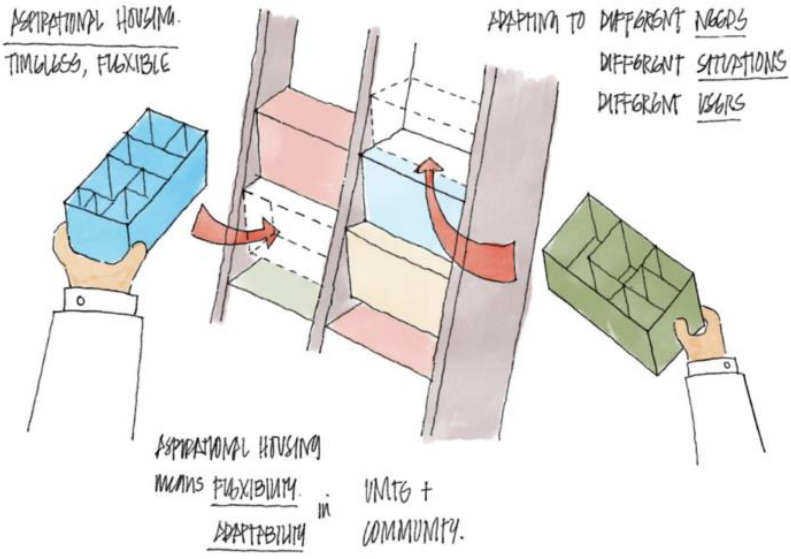
**Students Work**

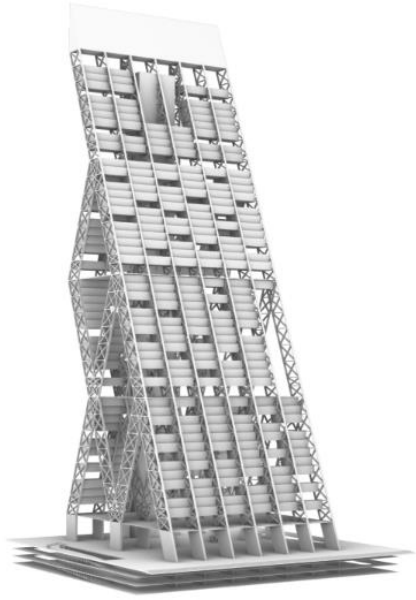


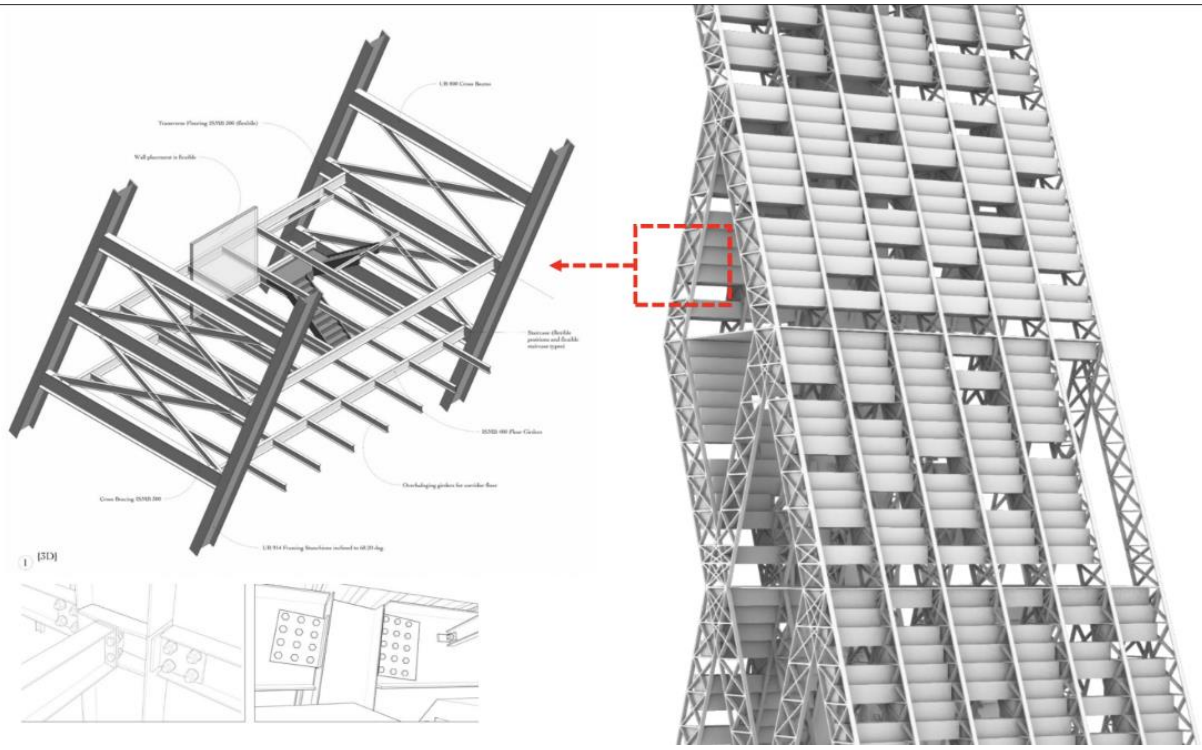




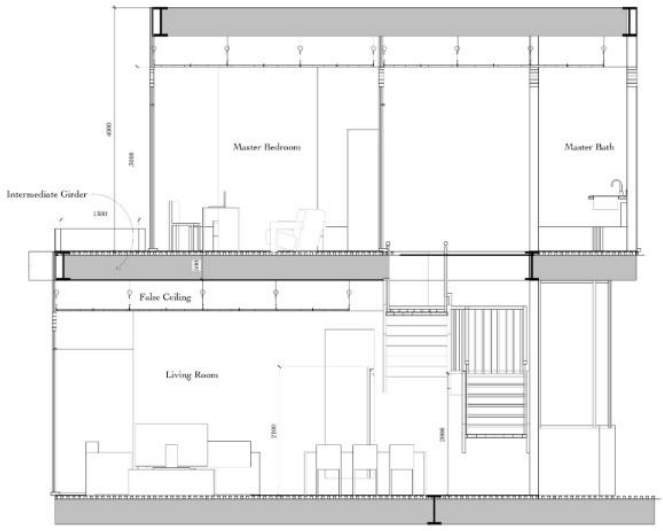
# AIS- DESIGN OLYMPIAD

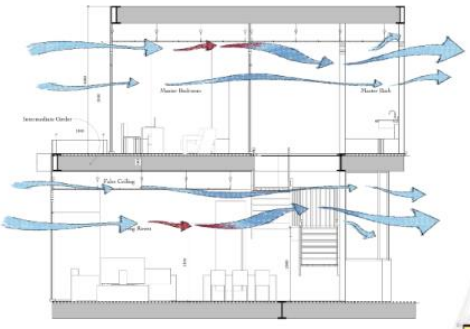


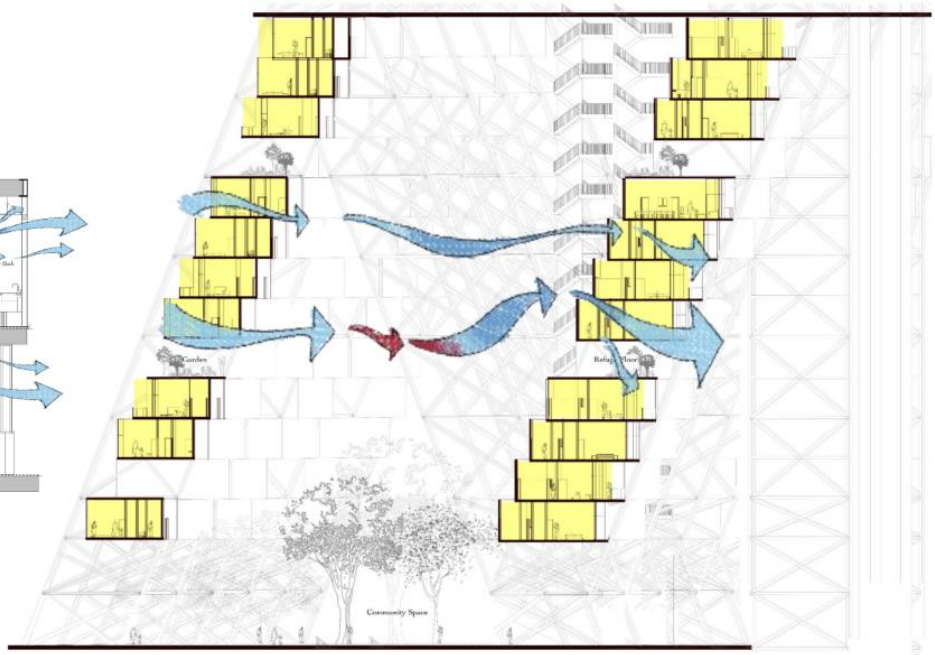





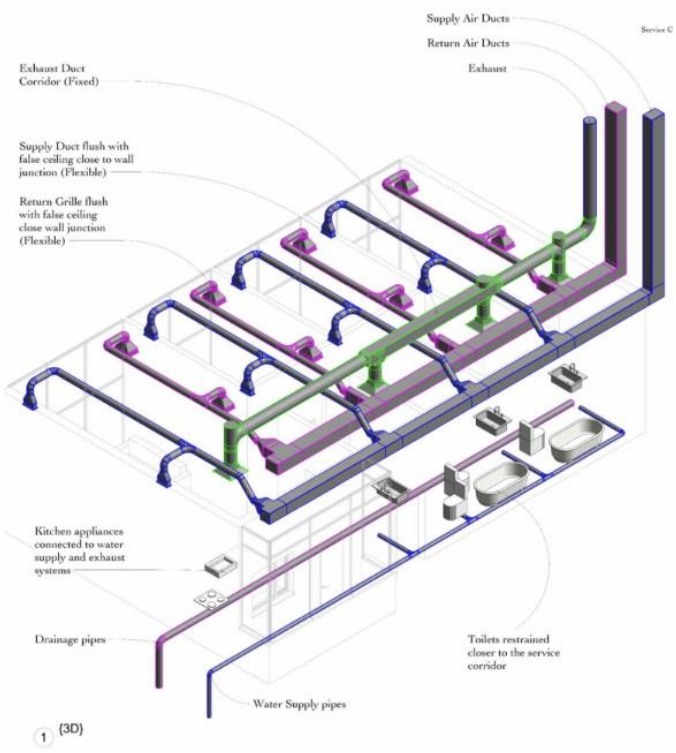
# AIS- DESIGN OLYMPIAD

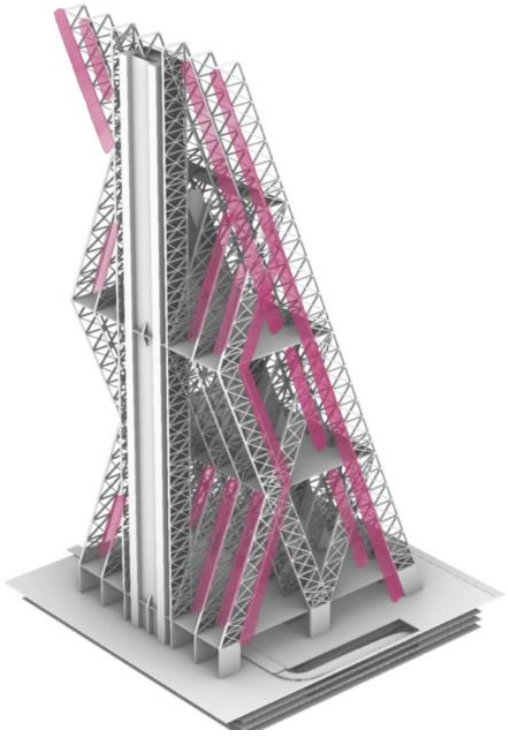


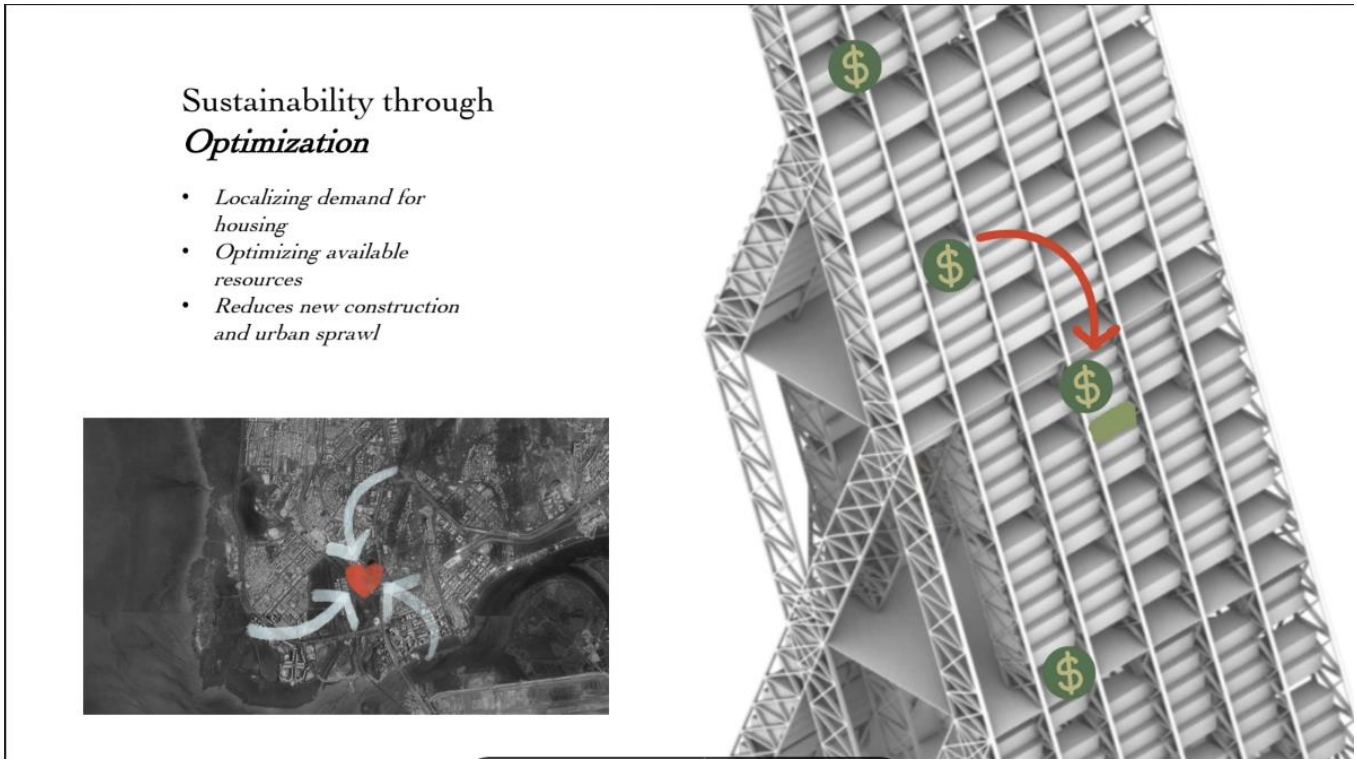




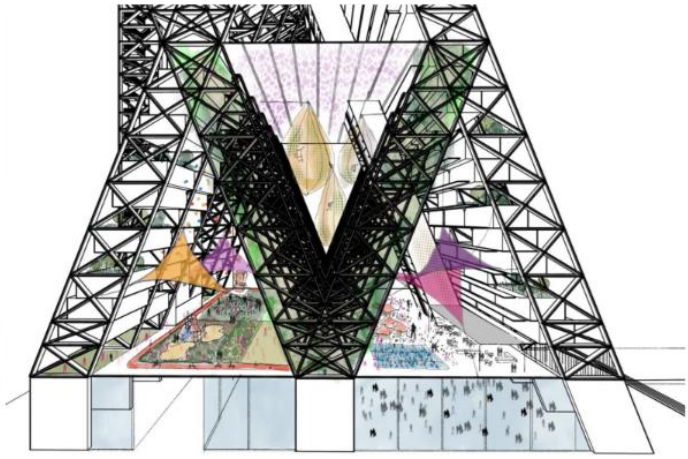
# AIS- DESIGN OLYMPIAD



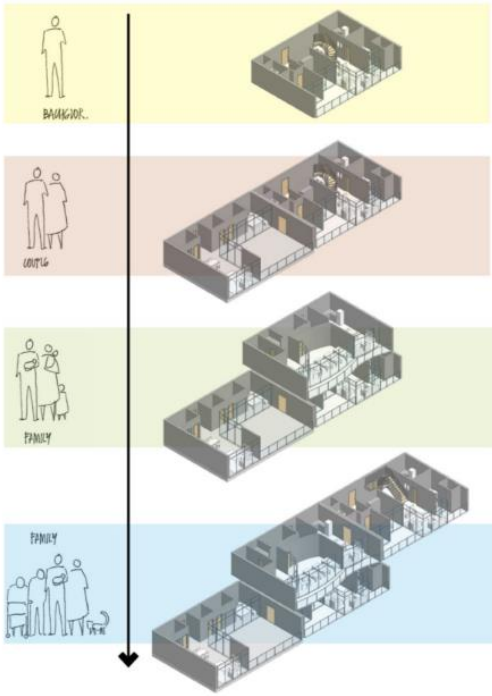



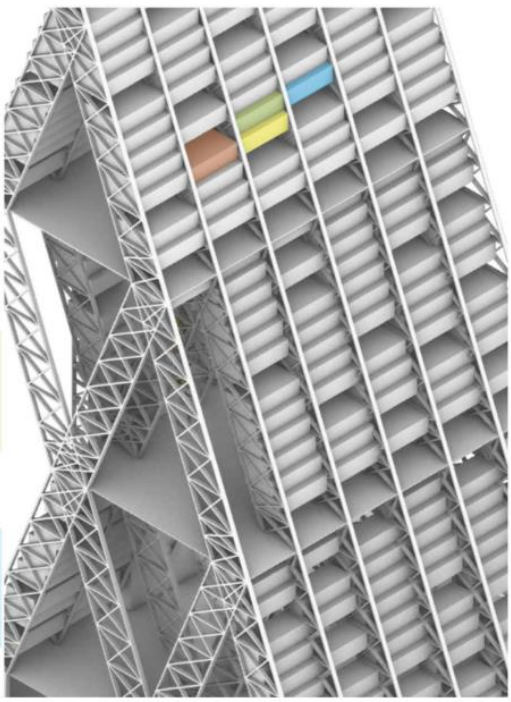


# AIS- DESIGN OLYMPIAD



Zone 1



# AIS- DESIGN OLYMPIAD

**Photographs**

**CERTIFICATE**

AIS
Asahi India Glass Ltd.

AIS DESIGN OLYMPIAD 2023-24 EDITION 5

## Certificate of Merit

This certificate is presented to

Mr./Ms. Ansh Aggarwal

from SMEF's Brick School of architecture

for winning Third Prize in the Finale of 5th **AIS Design Olympiad 2023-24**
by showcasing outstanding design thinking and creativity.

We are impressed and inspired by your ambition and passion for architecture.

**Vikram Khanna,**
COO - Consumer Glass & Architectural Institutional Business,
CMO - Asahi India Glass Limited

**Ar. Vivek Bhole**
Curator, AIS Design Olympiad

**Ar. Karl Wadia**
Curator, AIS Design Olympiad

# AIS- DESIGN OLYMPIAD

**CERTIFICATE**

AIS
Asahi India Glass Ltd.

AIS DESIGN OLYMPIAD 2023-24 EDITION 5

## Certificate of Merit

This certificate is presented to

Mr./Ms. Vedanti Pawar

from SMEF's Brick School of architecture

for winning Third Prize in the Finale of **5th AIS Design Olympiad 2023-24**
by showcasing outstanding design thinking and creativity.

We are impressed and inspired by your ambition and passion for architecture.

**Vikram Khanna,**
COO - Consumer Glass & Architectural Institutional Business,
CMO - Asahi India Glass Limited

**Ar. Vivek Bhole**
Curator, AIS Design Olympiad

**Ar. Karl Wadia**
Curator, AIS Design Olympiad

AIS
Asahi India Glass Ltd.

AIS DESIGN OLYMPIAD 2023-24 EDITION 5

## Certificate of Merit

This certificate is presented to

Mr./Ms. Gauri Mahajan

from SMEF's Brick School of architecture

for winning Third Prize in the Finale of **5th AIS Design Olympiad 2023-24**
by showcasing outstanding design thinking and creativity.

We are impressed and inspired by your ambition and passion for architecture.

**Vikram Khanna,**
COO - Consumer Glass & Architectural Institutional Business,
CMO - Asahi India Glass Limited

**Ar. Vivek Bhole**
Curator, AIS Design Olympiad

**Ar. Karl Wadia**
Curator, AIS Design Olympiad

# AIS- DESIGN OLYMPIAD

## CERTIFICATE

AIS Asahi India Glass Ltd.

AIS DESIGN OLYMPIAD 2023-24 EDITION 5

### Certificate of Merit

This certificate is presented to

Mr./Ms. Ram Kale

from SMEF's Brick School of architecture

for winning Third Prize in the Finale of 5th **AIS Design Olympiad 2023-24**
by showcasing outstanding design thinking and creativity.

We are impressed and inspired by your ambition and passion for architecture.

**Vikram Khanna,**
COO - Consumer Glass & Architectural Institutional Business,
CMO - Asahi India Glass Limited

**Ar. Vivek Bhole**
Curator, AIS Design Olympiad

**Ar. Karl Wadia**
Curator, AIS Design Olympiad

# SOLAR DECATHLON INDIA - 2023 - 24

Solar Decathlon India is a Net-Zero Building Challenge for postgraduate and undergraduate students from Indian institutions. They learn and design net-zero-energy-water, affordable, and resilient buildings to combat Climate Change through the buildings sector. Student teams partner with real estate developers and develop affordable and industry-ready solutions for real building projects. It is a hands-on, practical, innovation-based challenge that moves the construction and real estate industry towards implementing net-zero solutions developed by students.In the 9-month-long challenge, students and their faculty mentors learn building science with the help of online Self-Learning Modules and expert mentorship and test their ideas using building simulation software. These final designs have to be innovative, affordable, practical, and market-ready.A Decathlon in sports is an athletic event comprising 10 activities, where athletes compete by excelling in all 10 activities. In the 2022-2023 Solar Decathlon India, participants are evaluated in the following Ten Contests:

Each contest is a star in its own right and given equal weightage. The teams should excel in each of the contests to succeed. These contests will help the teams master the art of creating integrated net-zero buildings.

**BUILDING DIVISIONS**

In the 2023-24 Challenge, teams will compete in one of the following six Divisions. These building types propose unique and critical building problems that India faces. The teams will collaborate with the industry to work on regional, yet cutting-edge solutions to these problems

## SOLAR DECATHLON INDIA - 2023 - 24

# SOLAR DECATHLON INDIA - 2023 -24

# WINNER FOR COMMUNITY RESILIENCE SHELTER

**TEJAS PATIL**
TEAM LEADER
(4TH YEAR B.ARCH)

**KAUSTUBH SOMSHETTI**
DESIGN TEAM
(4TH YEAR B.ARCH)

**RUTUJA GIRAME**
DESIGN TEAM
(4TH YEAR B.ARCH)

**ONKAR JADHAV**
GRAPHICAL TEAM
(4TH YEAR B.ARCH)

**SAKSHI SHINDE**
GRAPHICAL TEAM
(4TH YEAR B.ARCH)

**ANUSHKA PANSARE**
SIMULATION TEAM
(4TH YEAR B.ARCH)

**VAISHNAVI MAGDUM**
SIMULATION TEAM
(4TH YEAR B.ARCH)

**SAKSHI WATH**
CALCULATION TEAM
(4TH YEAR B.ARCH)

**TEJASWINI YADAV**
CALCULATION TEAM
(4TH YEAR B.ARCH)

**YASH PATIL**
RESEARCH TEAM
(4TH YEAR B.ARCH)

**KEYUR DEGWEKAR**
RESEARCH TEAM
(4TH YEAR B.ARCH)

**SAKSHI TALANKAR**
REPORT WRITING
(4TH YEAR B.ARCH)

**ANIMESH KOTHAVADE**
STRUCTURAL TEAM
(3RD YEAR B.TECH CIVIL)

**ARPIT APARAJIT**
STRUCTURAL TEAM
(3RD YEAR B.TECH MECH)

**ADITI LONKAR**
STRUCTURAL TEAM
(3rd YEAR B.TECH CIVIL)

**DR. POORVA KESKAR**
(PRINCIPAL)

**AR. KETAKI PEDNEKAR**
(FACULTY LEAD)

**AR. VINITA LULLA**
(FACULTY ADVISOR)

**AR. SHREYA MIRPAGAR**
(FACULTY ADVISOR)

TEAM EKATVAM

SOLAR DECATHLON INDIA - 2023 -24

PARTNER INSTITUTION

AYUSH | ADIVASI YUVA SHAKTI
PROJECT PARTNER

INDUSTRY PARTNERS

## SOLAR DECATHLON INDIA - 2023 - 24

# SOLAR DECATHLON INDIA - 2023 -24

# WINNER FOR CONSTRUCTION WORKER HOUSING

**GAURAV KANKEKAR**
TEAM LEADER
(4TH YEAR B.ARCH)

**BHUMIKA SHINDE**
SIMULATION TEAM
(4TH YEAR B.ARCH)

**KOMAL KUMBHAR**
CALCULATION TEAM
(4TH YEAR B.ARCH)

**HARSHRAJ SALUNKE**
GRAPHICS TEAM
(4TH YEAR B.ARCH)

**HARSHITA GRANDHI**
DESIGN TEAM
(4TH YEAR B.ARCH)

**KARTIK KUMBHAR**
STRUCTURAL TEAM
(3RD YEAR B.TECH CIVIL)

**SUYASH MESHRAM**
SIMULATION TEAM
(4TH YEAR B.ARCH)

**MANISH YADAV**
DESIGN TEAM
(4TH YEAR B.ARCH)

**MANASI SHITOLE**
DESIGN TEAM
(4TH YEAR B.ARCH)

**AKSHADA NAIK**
SIMULATION TEAM
(4TH YEAR B.ARCH)

**SWAGAT TUPE**
CALCULATION TEAM
(4TH YEAR B.ARCH)

**BHAVESH RANE**
STRUCTURAL TEAM
(3rd YEAR B.TECH CIVIL)

**DR. POORVA KESKAR**

**AR. SHREYA MIRPAGAR**

**AR. VINITA LULLA**
(FACULTY ADVISOR)

**AR. KETAKI PEDNEKAR**

TEAM SAMARTHAN

SOLAR DECATHLON INDIA - 2023 -24

PARTNER INSTITUTION

RATANDEEP ENTERPRISES
PROJECT PARTNER

INDUSTRY PARTNER