

INSTITUTION'S PARTICIPATION IN VARIOUS COMPETITIONS

2023 - 2024



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
1	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



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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.



UNFOLDING THE PROCESS OF DIGITAL FABRICATION

Design Competition & Workshop
for Architecture Students and Professionals

UNFOLD 0.2

Registration Deadline - 6th Feb'23
Design Submission - 20th March'23

PRICE MONEY

PROFESSIONALS - ₹50,000
STUDENTS - ₹50,000
ENTRY FREE

FOLDS DESIGN STUDIO 2023



UNFOLDING THE PROCESS OF DIGITAL FABRICATION

Design Competition & Workshop
for Architecture Students and Professionals

UNFOLD 0.2

Registration Deadline - 20th March '23
Design Submission - 22nd May '23

PRIZE MONEY

Professional Category
Winner - ₹ 5,00,000
Runner Up - ₹ 2,00,000
Consolation - ₹ 50,000

Student Category
Winner - ₹ 2,50,000
Runner Up - ₹ 1,00,000
Consolation - ₹ 50,000

ENTRY FREE

FOLDS DESIGN STUDIO

STUDENTS PARTICIPATED

Simran Sond
Saurabh Sahane
Shruti Khandelwal
Vanshika Parikh

UNFOLD

Photographs



Students Work

Grasshopper script: formation of organic luminaire

Streetscape introducing Parametricism via differential modules with same base pattern

UN238175

CURVE **PATTERN** **MODULE**
Rhombic/hexagonal with a star pattern Pipe formation using multiple pipes

CURVE **PATTERN** **MODULE**

Same Curve can be altered into different modules for an organic streetscape. These changes in scale of the pattern and heights of the module can induce an effect of a parametric streetscape when multiple modules are placed in line. Thereby, leads to similar yet different modules.

Option 1:

3D printing

- Step 1: Thick base 3d printed with recycled materials to allow a base for the structure to stand.
- Step 2: The middle pipes 3d printed.
- Step 3: The top canopy printed. Acrylic and GFRP sheet stuck later.

All pipes load carrying to allow distribution.

Option 2:

Fabrication via stacking

- Step 1: PCC block placement. Pipes made by recycled plastic/acrylic sheet - attached to the gfrp and acrylic sheet.
- Step 2: Creating a hole and placing a steel rod with wet mortar for fixing.
- Step 3: After module-1 with the given rod is fixed to the ground, module-2 and module-3 are then, stacked on top of the rod and bolted.

Steel rod takes the lateral and vertical load.

Option 3:

Fabrication via steel pipes connection

- Step 1: 4 main steel rods of higher diameter are bolted via steel plates to the PCC block.
- Step 2: After this, the branch canopy is attached to the four main rods of four different points.
- Step 3: The acrylic sheets are then attached to the steel branches via glue.

4 main steel pipes - major vertical load carrying element.

CERTIFICATE

FOLDS
DESIGN STUDIO

UNFOLD 0.2
Design Competition And Workshop For
Architecture Students And Professionals

Certificate Of Achievement
for Students

The following award is given to
Vanshika Parikh

Ms/Mr. _____
for securing 2 ND RUNNER UP POSTION in the UNFOLD 0.2 Design Competition And Workshop For Architecture Students And Professionals .
8TH JULY ,2023

JURORS

Ar.Tarik Currimbhoy	Ar.Chantal Matar	Sculpturist Raj Shahani
Ar. Joshua Vermillion	Ar.Soomeen Hahm	Artist Jaideep Mehrotra
Ar. Chandrashekhar Kanetkar	Ar. Arzan Khambatta	Artist Drew Evans

Ar.Krishna Murthy
Principal Architect

AWARD SPONSER

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INSTITUTION'S PARTICIPATION IN VARIOUS COMPETITIONS

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JULY 23



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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



RA : 2023

INTEGRATED COMMUNITY LIVING- SENIOR CO-HOUSING

India, being a rapidly **Urbanizing** nation. Youth has started to **migrate to places for better job opportunities leaving their families behind** in their home towns. Thus, a **sense of affection** from their loved-ones is what **they miss**. On the other side, the **Elderly** of these Youngsters are up living their entire lives by themselves in their houses or in an old-age home. **Still seeking that affection and defending their independence**.

Thus, due to these factors we see an **increase in generational gap** between the two age groups. Earlier this gap was 10-15 years but now it is seemed to **increase by 5-7 years**. This shift is mainly seen due to **change in thoughts, beliefs and lifestyle of these two critical age-groups**. Considering all these factors there is a **loss of communication** leading to increase of generation gap.

Along with this, when we talk about **Senior citizens** the first things that strikes is their **health issues such as loss of vision, hearing problem, lack of mobility** and many more. Now-a-days in addition to these there is **increase in mental health issues like anxiety, social isolation and depression**.

Why not combine the two factors that would benefit the community and increase the psychological, environmental, and economic well-being?

A Co-housing gated community near a business district in Pune which would help in **social interaction amongst the community**, sustainable design strategy to **formulate the plan, share the resources**. This facility will act as a **strong financial support to the senior citizens** as the center would not only have **apartment blocks but also studio apartments rented to these youngsters**. Thus, these two **diverse age groups will contrast, complement, and coexist with one another, keeping the community in balance**.

WHAT IS THE NEED ?

India's **elderly population** can grow to **175 million by 2026** with **very minimal current supply** in the senior living segment. As per **Anarack data**, there are currently around **4,500 senior living units** available in the market, and more than **2,000 units** are in different stages of construction.

India's **Real Estate** has predicted that to **senior living in tier-1 cities** is the **strongest** of addition in the white. Real estate offer a much better quality of life due to better pollution, ease of living and high opportunities. Cities such as **Chennai, Coimbatore, Pune, and Lucknow** are now preferred destinations for senior living.

INDIA'S SENIOR LIVING MARKET There are over 600 living units in the market before you and the

SENIOR LIVING COMMUNITIES GAINING PROMINENCE IN POST-COVID WORLD Rise in demand

WHY INDIA'S SENIOR CITIZENS ARE OPTING FOR RETIREMENT HOMES? Change in their preferred opportunity is, as India's senior citizens choose autonomy and convenience. This trend seems to grow over age.

THE RISING DEMAND FOR SENIOR LIVING IN TIER-1 CITIES OF INDIA

As per a study by **Agarwal Foundation**, a non-governmental organization, in **May 2020 around 82.4%** elderly were dealing with **health anxiety** which led to being Covid-19 cases and deaths around them.

SENIOR LIVING HOUSING TO EMERGE AS AN IMPORTANT RESIDENTIAL ASSET: REPORT Demographers said that 2022 will be the breakout year for this nascent construction.

BOTH IN NEED OF EMOTIONAL AND PSYCHOLOGICAL CARE Elderly people **yearn** at their homes. **Increase in generation gap** between Young and Old generation is a **major** factor in **Senior Citizens** to **lose** regular job opportunities.

16% RESOURCERY

MENTAL DISORDERS IN INDIA

10 Common Chronic Conditions for Adults 65+

UNIVERSAL DESIGN

- Equitable in use
- Flexible in use
- Simple and intuitive use
- Tolerance for error
- Perceptible information
- Size and Space for approach and use
- Low Physical effort

PHYSICAL ENVIRONMENT

- Air, Water, Climate, Soil
- Natural vegetation and Land-form
- Influence of these on person's Physical and Mental health

VISION - TO CREATE A LIVING ENVIRONMENT FOR A USER GROUP WITH CONTRASTS, COMPLEMENTS, AND CO-EXISTS WITH EACH OTHER.

New model of "IN BETWEEN HOUSING"

- Age friendly environment
- Independent living with associative Mental and Physical care

SENIOR HOUSING MODEL

- Facility where Assisted, Independent as well as nursing facility co-exists
- Basic Facility

CONTINUING RETIREMENT COMMUNITIES (CRC's)

FACTORS AFFECTING HEALTHY AGEING

- Community Participation
- Universal Design
- Social Relationships and Community Participation
- Health and Functional ability

DESIGN CONCEPTUALISATION

SOCIAL RELATIONSHIPS

- With Another person
- With an Activity
- With the Surrounding

Senior Citizen's & Youngster's

- Element of Play, Work and Food
- Into Apartment
- Contribution
- Person-Person Interaction

Visitor's

- Visual and Physical connection from site to the Context
- Inter site co-creation
- Social belonging

Creating and Capturing Memories

Multi-sensory visibility

Human as resources

Health & Functional Ability

- People-Environment association
- Ability to Walk, Think, See, Hear, and Remember
- Multi-sensory visibility

FINANCIAL MODEL

COMPLETE SALE MODEL	LEASE DEPOSIT MODEL	PURE RENTAL MODEL
Developer transfers the title of the property in the name of the owner.	Part of the project's capital value charged upfront, the other part received through rental.	Occupants pay rent and nominal security deposit

Apartment Units- 180-200 Units

- 1BHK- 30-40
- 2BHK- 30-40
- 1BHK-Studio Apartment- 10-15
- 2BHK-Studio Apartment- 15-20

Bungalows- 30-40 Units

COMMUNITY PARTICIPATION

- Learning and developing skills
- Active Participation
- Social contact & Interpersonal relationships

INTEGRATED COMMUNITY

Thus need of a

TU160606

Living in an Urban lifestyle

55 & above years

Upper Middle class income group

Graduates & Early working

21-27 years

Lower to Middle income group

The Undergrad Thesis Project by Archdais

RA : 2023
TU160606

SITE SELECTION CONTEXT ANALYSIS

- LOCATION: NEAR MANAS LAKE, PUNE
- SITE AREA: 32000 sq.m
- FSI: 1.5
- MAXIMUM BUILTUP AREA: 45200 sq.m
- MAXIMUM PERMISSIBLE FSI: 3
- DWELLING DENSITY: 250 dwellings/ha

The site considering its location near to a business centre yet away from the core area as the easy accessibility for youngsters to the city centre and yet being in a green area to bring a peaceful environment.

Both the sites are located near nature (Lake and Hill) keeping in mind the site being built as an retirement home.

It being well connected to the local transport system is another important factor to consider.

It experience on site like Multi sensory approach, view sheds is a crucial factor due to the user group of Senior citizens as well as Youngsters.

MOVEMENT PATTERN

Consideration of Manas lake towards the South, Overhead Metro line towards the North and GP2 buildings on the East and the West.

NOISE CORRIDORS

Repelling away from the auditory disturbances like Metro Line, upcoming residential schemes and major road connections.

MAGNETIC NODES

The natural ecosystems like the seasonal stream and the natural catchment area and the Manas lake serves as Magnetic nodes which are a natural domain.

T.O.D

The facility will respond to the transport nodes in such a way that the residents will walk the shortest distance.

MASS DENSITY

The facility will capitalize the natural ecosystems in and around the site and repeat the noise disturbance from the surrounding context.

SUNLIGHT AND RADIATION

The built form is oriented to it brings in maximum natural light and glarelight from the south and south-west for the units as well as the roof farming and terraces.

WIND DIRECTION

The form is designed to channel wind and provide optimum cross ventilation to the units.

VIEW POINTS

The massing responds to the lake view, and the majority of the dwelling units face it to provide the best possible view for all apartments.

BUILDING TYPOLOGY

- RESIDENTIAL
- COMMERCIAL
- MIXED USE
- CULTURAL

- Presence of G+7 Residential Apartment buildings in the context.

- Easily accessibility to grocery and daily essential shops.

- Apple hospital at 2km distance and Sahyadri hospital at 1km.

TRANSIT STOPS

- BUS STOPS
- METRO STOPS

- Bus stops of a 500m walk

- Proposed Metroline connecting from site to the city

- Ease of availability of auto rickshaws and cabs.

NOISE CORRIDORS

- NOISE CORRIDORS

- Noise and air corridors from the east and west due to upcoming residential apartment buildings.

- Fostive noise due to upcoming metroline.

RELIEF PLAN

- SLOPE 25.30%
- SLOPE 19.34%
- SLOPE 13.18%
- SLOPE 7.02%

SLOPE ANALYSIS

- SLOPE 4:10
- SLOPE 3:10
- SLOPE 2:5
- SLOPE 1:2

HYDROLOGY PLAN

- NATURAL CATCHMENT AREA
- NATURAL DRAINAGE LINE
- TREE TYPE 1
- TREE TYPE 2

SITE ANALYSIS

- SUSTAINABLE AREA
- ZONE TO BE CONSERVED

DEVELOPMENT OF FORM

MASSING
The Apartment block right at the edge of the primary road and the bungalows stepping down and merging its form towards the Manas lake.

MODULARITY
Use Addition and Subtraction geometry. Segregating the Apartments blocks into 9 Rows and Bungalows in clusters for creating interactive terraces to break the modularity.

VIEW PREFERENCES
Volume staggering to produce interactive terraces and disrupt the modularity and blend the form in the surrounding environment to establish the connection between the two clusters. A 25-degree rotation of the apartment blocks to offer a view and selective natural light and ventilation through position.

RA : 2023
TU160606

MASTER PLANNING

The site is divided into two sections: the Apartment block and the Bungalow clusters, with consideration given to view points, and the presence of natural ecosystems such as the Manas lake, seasonal stream and natural catchment area in and around the site.

VEHICULAR AND PEDESTRIAN CIRCULATION

EMERGENCY ACCESS

SITE ZONING AND CIRCULATION

PLANTING DESIGN STRATEGIES

- ROAD SIDE**
 - Gulmohar
 - Pride of India
 - Golden Shower
 - Santia Ashoka
- FLOWER GARDEN**
 - Champa
 - Santia
 - Phorite
 - Rose
- BIO POND**
 - Soft Rush
 - Asian Hibiscus
 - Swallowtail
 - Broomrape
 - Rice Cutgrass

THERAUPIC LANDSCAPES

- Rose of Sharon
- Oregon Grape
- Elder
- Willow
- Charlie Tree
- Douglas Fir

EDIBLE GARDEN

- Lemon
- Tomatogrower
- Ground
- Siporata
- Tomato

COMMUNITY ACTIVITIES

- RECREATIONAL
- SOCIAL
- MULTISERVICES
- NATURAL
- LEISURE

COMMUNITY NODES AND ACTIVITIES

1. TERRACE
2. SWIMMING SPACES
3. MULTIFUNCTIONAL MARKET
4. PODGE/WALKING TRACK
5. POND WITH INTERACTIVE LANDSCAPE POCKETS
6. PROGRESSIVE
7. LAMP WITH FLOWERING TREES & SHRUBS
8. GROUND GARDEN WITH PODGE
9. MULTIFUNCTIONAL MARKET
10. NATURAL INTERVENTIONS
11. BIOPOND
12. SWIMMING POOL
13. PARKING
14. CITY ROOM
15. STORE
16. GROUNDWATER SAMPLING POINT

SCALE: 1:400

This is a Design Strategy to create a connection between the interiors and the outdoor is kept in mind while developing the facility. Not only is it challenging to design the horizontal landscape pockets, but also to incorporate greenery inside the vertical apartment tower. To build this link, open to sky terraces, double height spaces by use of addition and subtraction geometry to create built and un-built pockets is used. The terraces can be used for recreational activities, stout spaces for cafe and co-working area and for roof farming.

The Undergrad Thesis Project by Archdais



The Undergrad Thesis Project by Archdais



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

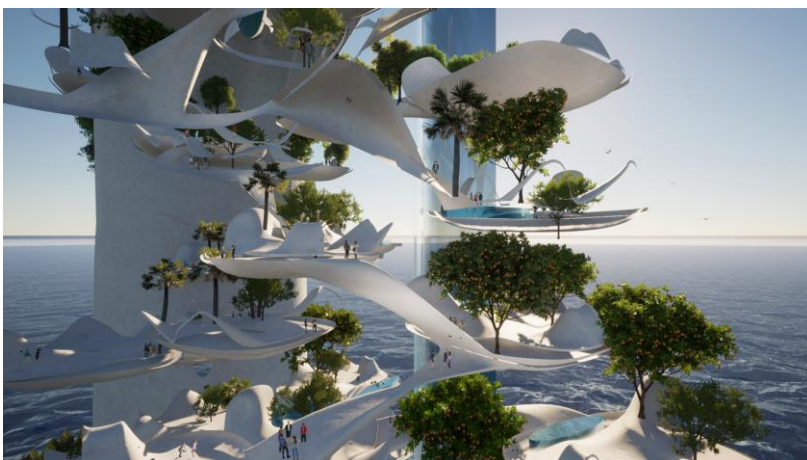
Dhruvi muzumdar
Ansh Kadam
Tanvi Loyare

INTUITURE

Photographs



Students Work



INTUITURE

CERTIFICATE

INTUITURE 2075

INTERNATIONAL ARCHITECTURE COMPETITION

361BIT
 Community Based
 Organisation to connect
 every dot in Architecture

This certificate is proudly presented to

Team **TEAM NEXUS**

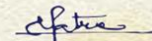
(1C231403)

Dhruti Muzumdar
Ansh Kadam
Tanvi Loyare

For their exceptional performance and securing the special mention in the **INTUITURE 2075** International Architecture Competition during **23rd Feb-30th July 2023** and making the competition unparalleled levels by introducing their distinct and innovative concept. For their visionary thinking and dedication have greatly enriched the competition, enhancing its scope and impact.

Your participation holds extensive value for us, and we express our utmost gratitude for the insights we have gained from your remarkable **creativity** and **innovative ideas**. Your contribution to the **INTUITURE 2075**, an International Architecture Competition, has immense importance in fortifying the **361BIT** community, enhancing its strength and resilience.

Collaborate
 Create
 Evolve



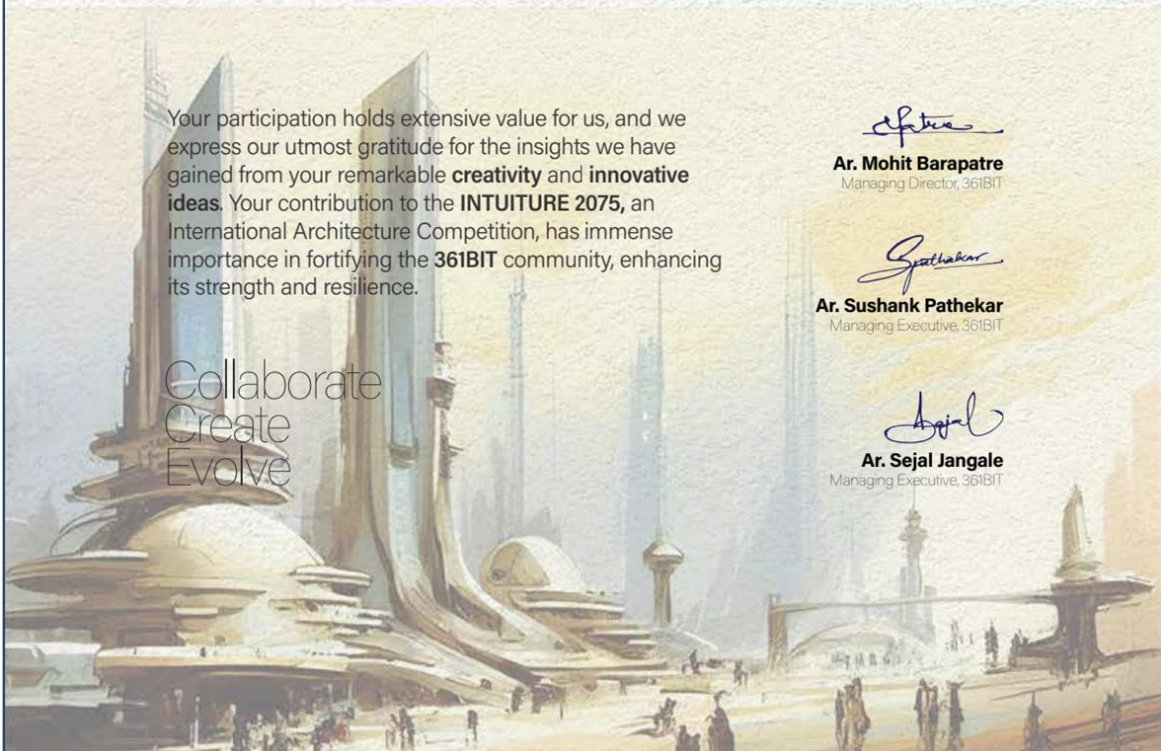
Ar. Mohit Barapatre
 Managing Director, 361BIT



Ar. Sushank Pathekar
 Managing Executive, 361BIT



Ar. Sejal Jangale
 Managing Executive, 361BIT



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

Benefits of the Book



Overview of the Book



STUDENTS PARTICIPATED

SHIVANGI AGARWAL

UDL THESIS PUBLICATION 2023

Photographs



Shivangi Agarwal

INCLUSIVE GROWTH MODEL TO SUSTAIN FISHERMEN COMMUNITIES CASE OF TAJPUR, WEST BENGAL

The project aims to question the growth of infrastructural growth which might link the massive steps towards growth but in the ground, the reality is contributing to degrading identity. Thus, a proposal to use the upcoming infrastructural project as a catalyst to boost industry making local communities a major stakeholder and dealing with it and the context economically, socially, ecologically and aesthetically culturally.

This thesis is an attempt to make an inclusive growth model through product realisation, urban interventions and guidelines. It will cover the aspects of how local communities can benefit from infrastructure instead of losing their traditional resources and engaging in different locations. They can enhance their skills and ability and overcome the problems which come with infrastructure and convert it into a beneficial model for them.

The present focus is on one of the identified projects which is including infrastructure having a very strong connectivity or its edge trying to make it a solid model of growth which will act as a guideline for the subsequent projects. This thesis revolves around the town of Tajpur along the Bay of Bengal coast in which the fishermen communities known as the Manra Khuti has been living since ages. A new port has been proposed by the government in Tajpur and the work has begun but the fishermen community is still unsure of the consequences and change of events. So, this thesis aims at a industry which promotes growth yet sustenance.



Tajpur and Haldia: How coastal development is impacting fishing in West Bengal

A deep-sea port is to be constructed in Tajpur and eight more jetties are to come up in an already industrialised Haldia, but no official has visited either of these regions.

Indian tycoon Adani's mega port hangs in the balance as a fishing community protests

How tourism has taken a toll on the livelihoods of fisherfolk in a town in coastal West Bengal

Photo essay: Why are fishers shifting to farming?

The fishing communities on both coastal regions are suffering from the effects of modernisation without proper planning, pollution control methods, or the government offering them any sort of a sustainable livelihood.

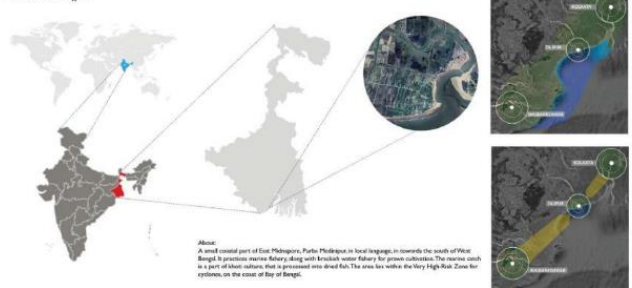
Coastal Villagers Face Threat to Livelihoods as Land is 'forcibly' Taken Away for Maratha's Dream Project

West Bengal Fishermen protest over land grabbing

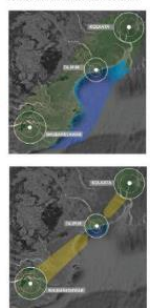
"The government wants to tidy up the coast... tourists on one side and fishworkers on the other side... That's why they are pushing us out of our villages"

The Marine Drive project further threatens the community

INTRODUCTION TO SITE: The Town of Tajpur



URBAN PRESSURE POINT:



CIRCLE OF LIVEABILITY

An opportunity where port infrastructure, coastline health, ecology, economic drivers and local fishermen community coexist looking forward to an equilibrium and preventing depletion.



DESIGN STRATEGIES:

Approaching architecture with economic, social and human-centric urbanisation



UDL THESIS PUBLICATION 2023

PRECINCT ANALYSIS LAYERS: 25 KMS STRETCH



URBAN ANALYSIS LAYERS: PLAN



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AUGUST 23



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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.

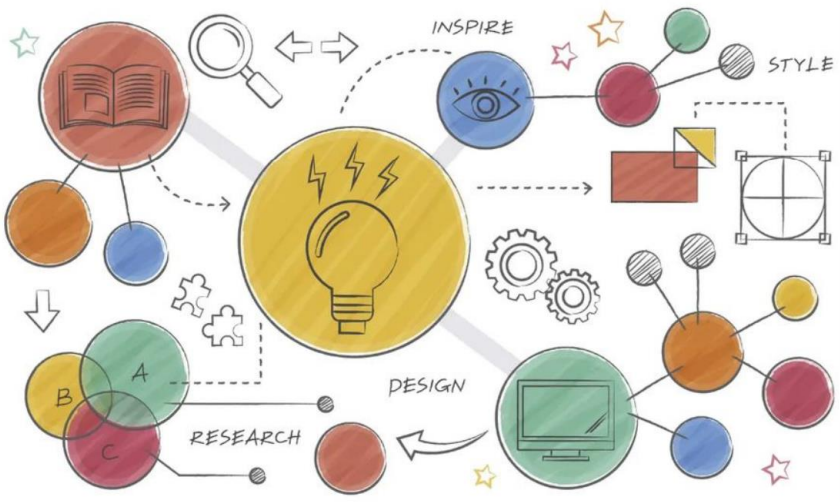
Archmello Competitions Presents

THESIS OF THE YEAR AWARD 2023

Total Prize Worth - INR 75,000 +10 Honorable Mentions
+ 10 Special Mentions + Top 10

Registrations Are Now Open

Visit us at - www.archmello.com



STUDENTS PARTICIPATED

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

ARCHMELLO THESIS OF THE YEAR AWARD- Special Mention

Photographs



Amay Rathi

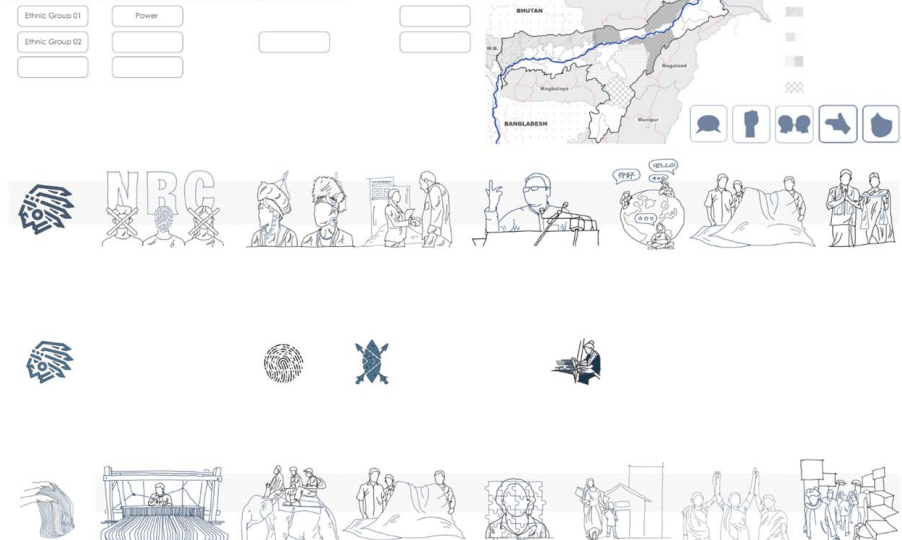
Students Work

India is a diverse country with multiple ethnic, linguistic, and religious groups. The diversity has led to several conflicts in the country. Assam, a northeastern state of India, has a diverse population that includes various cultures, languages, and traditions. The state has experienced ethnic conflicts between various indigenous groups and migrants from other parts of India and neighboring countries. The main cause of the conflict is the issue of illegal immigration, which has led to an increase in the population of non-tribal groups and led to the erosion of the cultural and economic resources of the indigenous people. This conflict has led to a significant loss of life and displacement of people and has had a negative impact on the social and economic development of the region.

conflict . people . identity
weaving the heritage of Assam along Brahmaputra.



Ethnic conflict, a form of conflict in which the objectives of at least one party are defined in ethnic terms, and the conflict, its antecedents, and possible solutions are perceived along ethnic lines.



ARCHMELLO THESIS OF THE YEAR AWARD- Special Mention

why conservation?

- land and that forms the nucleus of all the waterways
- cultural and commercial artery of the civilisation states of India
- historical development of the region had happened along the waterway
- growth of socio-economic indigenous communities along the river
- major revenue livelihoods like fishing, weaving and boat making along the river
- gate for spiritual and cultural practices
- rich source of traditional heritage reflecting on music, literature and the cuisine
- diverse ecology of the land with the diverse variety of plant and animal species

conservation of the Ancient Indian Silk Route

study of six districts through secondary sources like literature in books, journals and articles

analysing the need for the intervention to address the connectivity of the communities of Assam

identifying the need for the intervention to address the connectivity of the communities of Assam

primary research and field hand observations through primary sources like interviews, photographic documentation

identification of different zones to identify the parameters for conservation of the communities of Assam

provision of conservation

The 8 Factors

- economy
- livelihood
- water-culture
- heritage
- connectivity
- indigenous communities
- improved economic exchanges
- improved socio-cultural relations
- empowered indigenous communities
- increased porosity for access
- societal collaboration
- conflicts acknowledged
- water fabric and environment
- reversal of closed boundaries
- boost of health industry
- reversal of ancient identities

DESIGN BRIEF:

MACRO DESIGN PROPOSAL - INLAND WATERWAYS OF ASSAM

14 Silk Districts as Multiple Nuclei model

At the initial phase, the regions around these multiple nodes are developed through the development and diversification of services to the region further expanding the whole state

DESIGN ASPECTS:

- Condition of existing handovers through GI tag
- Operational environmental sustainability to all communities
- Reversal of all services that come down from the GI tag
- Boost in economic and employment sectors
- Each village becomes self-sustainable rural model

Interventions: invest in waterway, provide of open spaces, NGOs, local and state organisations, provide water safe local businesses, industries and service providers, green agriculture and fisheries, employment generation

DESIGN THOUGHTS:

Introducing Water Nodes: The Path

With the waterways as the high public hand spaces, the development of nodes in the rural environment of the state will lead to the development of water nodes and services to the rural communities

DESIGN ASPECTS:

- improve connectivity, promote economic development
- that has been an economic hub providing sites, income and services to the rural communities and habitats
- provide the agricultural and employment and health services to the rural communities
- water infrastructure along these paths developing rural nodes

Stakeholders: Local communities, state and national government agencies, environmental groups, research institutions, local and national NGOs, state and national government agencies

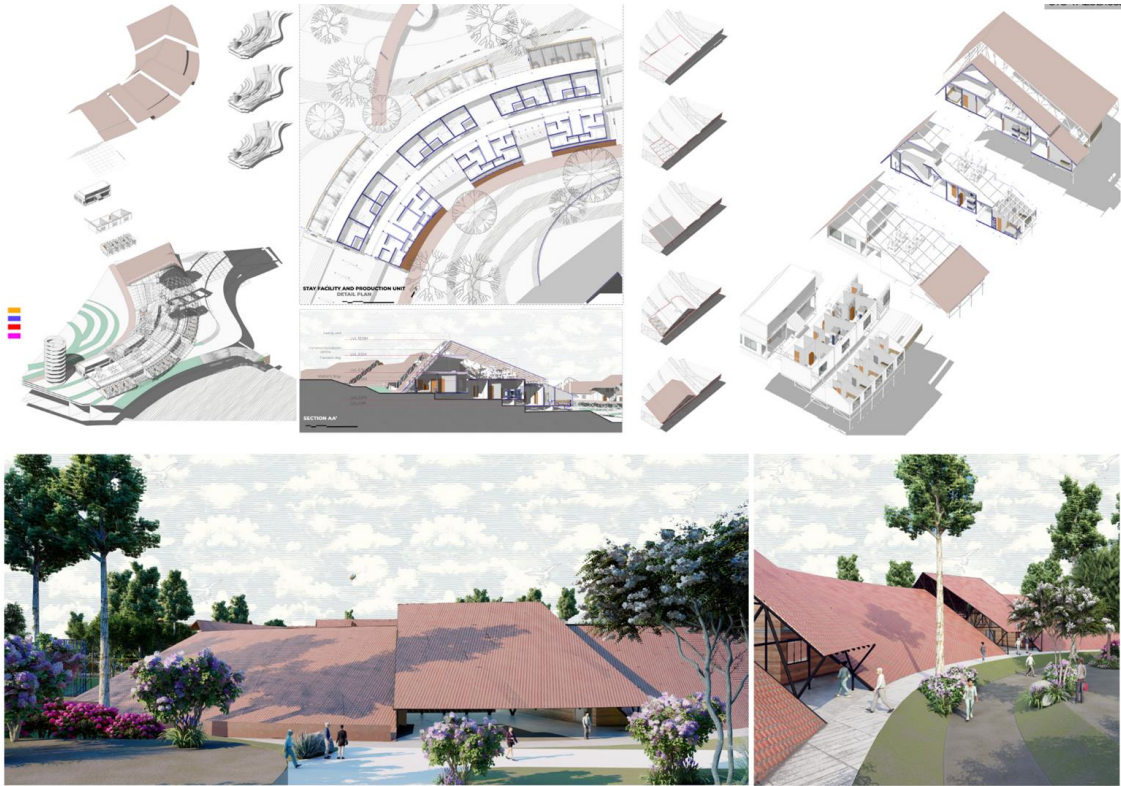
FIGURE 1: A GENERIC MODEL FOR SILK DISTRICTS

ASSAM STATE MAP

FIGURE 2: A GENERIC MODEL FOR SILK DISTRICTS



ARCHMELLO THESIS OF THE YEAR AWARD- Special Mention



ARCHMELLO THESIS OF THE YEAR AWARD- Special Mention

Certificate Of Achievement

This Certificate Is Proudly Presented To,

Amay Rathi
(Team Code - TA23B1533)

For Securing Special Mention In The International Architecture
Competition "Thesis Of The Year Award - 2023" Hosted By
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Jury Panel

Prof. Percy Adil Pithawala
Khushnu Panthaki Hoof
Sonke Hoof



Date - 07/08/2023

ARCHMELLO THESIS OF THE YEAR AWARD- Top 10

Photographs

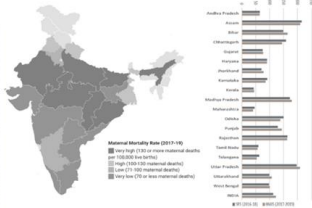


Urja Laddha

Students Work

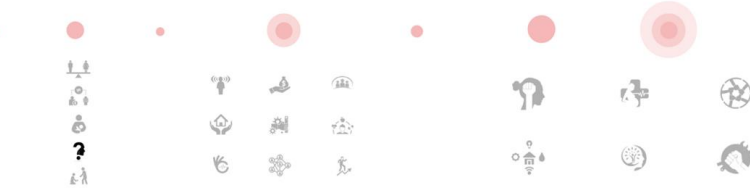
TREAT-MEANT FOR HUMANITY Addressing the Human Cost of Assam Tea

The agriculture sector is a crucial part of the Indian economy, employing more than half of the country's population. However, the sector is facing various challenges, including issues related to agriculture labor and discrimination against women laborers. One of the major issues in the agriculture sector is the exploitation of laborers. Agricultural laborers in India have historically been denied basic human rights and continue to face significant challenges today. Many agricultural laborers work in extremely poor conditions, with long working hours and low wages. Additionally, they lack access to basic amenities like healthcare, sanitation, and education, which further exacerbates their plight.



HUMAN/ LABOUR RIGHTS VIOLATION AGAINST WOMEN LABOURERS

UIC- TA2381531



ARCHMELLO THESIS OF THE YEAR AWARD- Top 10

MAJOR ISSUES FACED BY THE TEA ESTATES

ISSUE	IMPACT	CAUSE
Water Scarcity	Health Issues	Deforestation
Overcrowding	Sanitation Problems	Lack of Planning
Waste Management	Health Issues	Lack of Awareness
Water Pollution	Health Issues	Deforestation
Deforestation	Health Issues	Lack of Awareness

STATISTICAL DATA OF MAJAN TEA ESTATE

Male and female population in the tea estate: 50% Male, 50% Female

Temperature and humidity: 25°C, 80% Humidity

Mechanisms of people living in the tea estate: 70% Tea Workers, 30% Local Residents

MACRO DESIGN

LEGEND

- Hand feeding rest room
- Toilet cubicle
- Interactive zone
- pantry
- ATM vending machine
- entrance steps
- entrance ramp

PLAN OF TOILET BLOCK MODULE

FRONT SIDE ELEVATION OF TOILET BLOCK MODULE

DESIGN BRIEF- MICRO UIC- TA238153

Background: Maternal mortality rates in Assam remain high, reflecting a crisis of need for improved maternal healthcare services and empowering women in the region. This project aims to establish Maternity Waiting Homes (MWHs) in Assam to provide a safe environment for expectant mothers, reduce maternal mortality, and empower women through skill development initiatives.

Project Objectives:

- Reduce maternal mortality: Establish MWHs to provide timely and quality maternal healthcare services, ensuring access to skilled healthcare professionals and emergency obstetric care.
- Empower women: Implement skill development programs within MWHs to enhance women's knowledge and capabilities, fostering economic independence and self-reliance.
- Enhance community engagement: Raise awareness about the importance of maternal healthcare, encourage community participation, and strengthen the healthcare system's responsiveness to women's needs.

MAJAN TEA ESTATE, DIBRUGARH PLAN

EXPLODED ISOMETRIC VIEW OF TOILET BLOCK MODULE

LEGEND

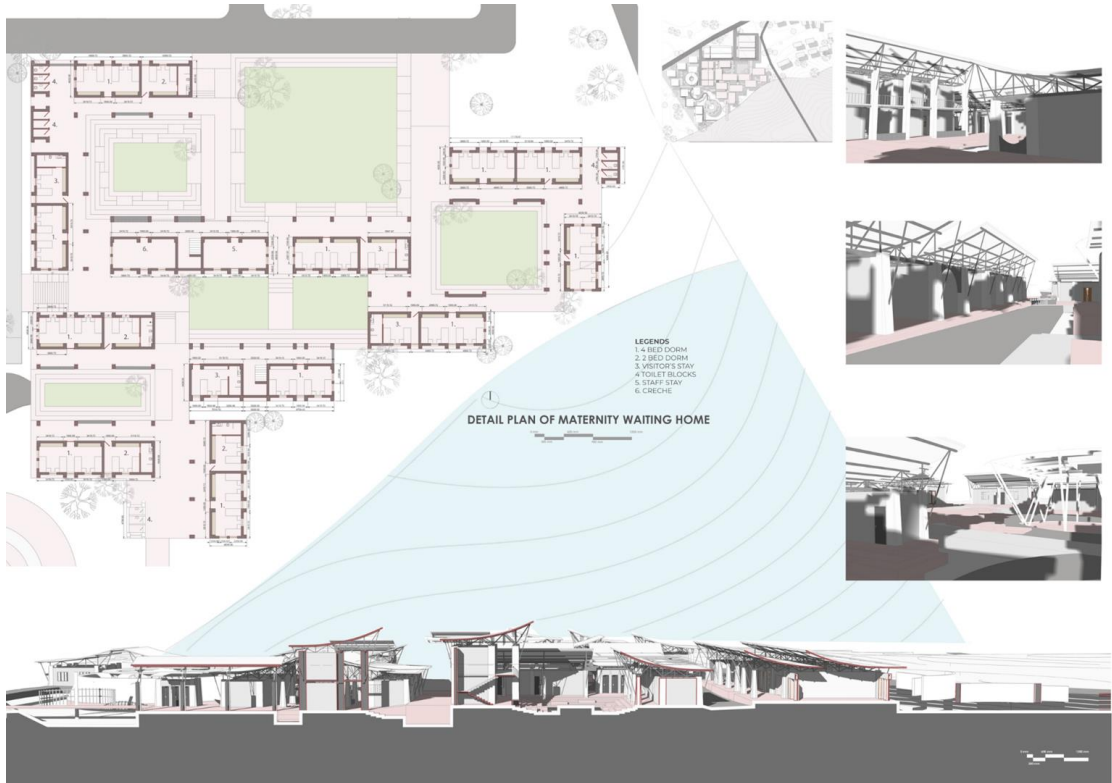
- SITE ENTRANCE
- SERVICE ROAD
- PARKING
- CLINICAL CARE
- WORKSHOP BLOCK
- TRAINING BLOCK
- ADMIN BLOCK
- COMMUNITY LIBRARY
- MULTIPURPOSE HALL
- SERVICE BLOCK
- TOILET BLOCK
- MATERNITY STAY
- DIET CENTER
- PHARMACY BLOCK
- INFO BLOCK
- MATERNITY WAITING HOMES
- CANTEEN
- STAFF STAY FACILITY
- COURTYARD
- Meditation Zone
- YOGA ZONE
- RECREATION DECK
- PAUSE PODS
- PEDESTRIAN ROAD
- VEHICULAR ROAD

FLOOR PLAN

UIC- TA2381531

SECTION AA'

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Sonke Hoof



Date - 07/08/2023

ARCHMELLO THESIS OF THE YEAR AWARD- Top 10

Photographs



Garima Muttha

Students Work

UNCOVERING OPPORTUNITIES TO UPLIFT THE PRIDE OF MADARI COMMUNITY - CASE AHMEDABAD

THE SEED THAT GREW INTO STORY

TA23B71129

THE LAW THAT SAVED WILDLIFE BUT OPPRESSED MADARIS
An Act to prevent the infliction of unnecessary pain or suffering on animals and for that purpose to amend the law relating to the prevention of cruelty to animals.

THE CHRONOLOGY OF MADARI HISTORY

18th Century Early traces of Saparas

19th Century British Colonial Rule leading governmental restriction

1879 Jean Leon Gerome's Snake Chamber painting giving artists perceptions about Saparas

1940 The Prevention of Cruelty to Animals Act

2013 The community being to merge ends meet

2014 India's first address the country to be no longer associated with exotic exotism

1972 Implementation of law

FIGURE OF SCHEDULED TRIBES IN INDIA

GOVERNMENT LAWS AND POLICIES

Educational Empowerment Elkayya Model Residential Schools (MRS) Fellowship and Scholarship Programmes Pradhon Mantri Jan Jeevi Vikas Mission	Economic Empowerment Article 275(i) of the Constitution Pradhon Mantri Vigyanachay Vikas Yojana Pradhon Mantri Jan Jeevi Vikas Mission	Public Welfare Pradhon Mantri Gram Sadak Yojana Pradhon Mantri Awas Yojana Pradhon Mantri Jan Jeevi Vikas Mission	Improved Infrastructure and Livelihood Opportunities The Pradhon Mantri Awas Yojana Adarsh Gram Yojana Development of Participatory Vulnerable Tribal Groups	Improved Health Outcomes Mission Indradhanush Nishchay Mitra Initiative
--	--	---	--	--

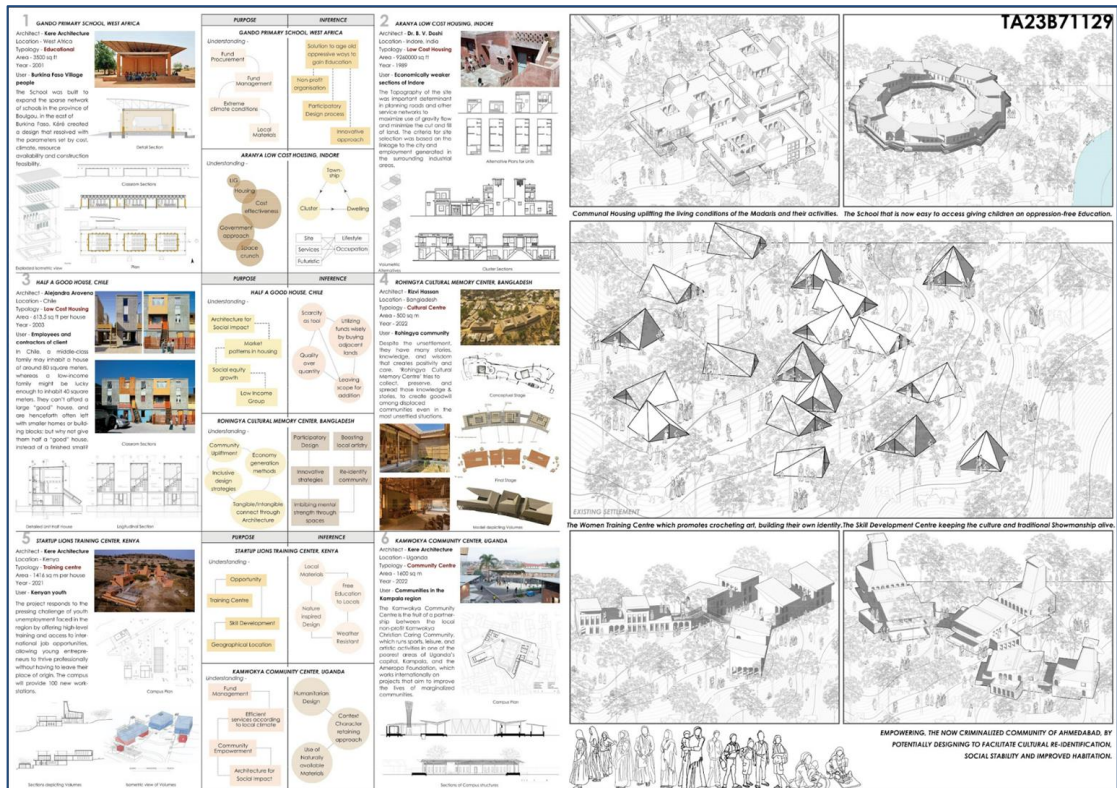
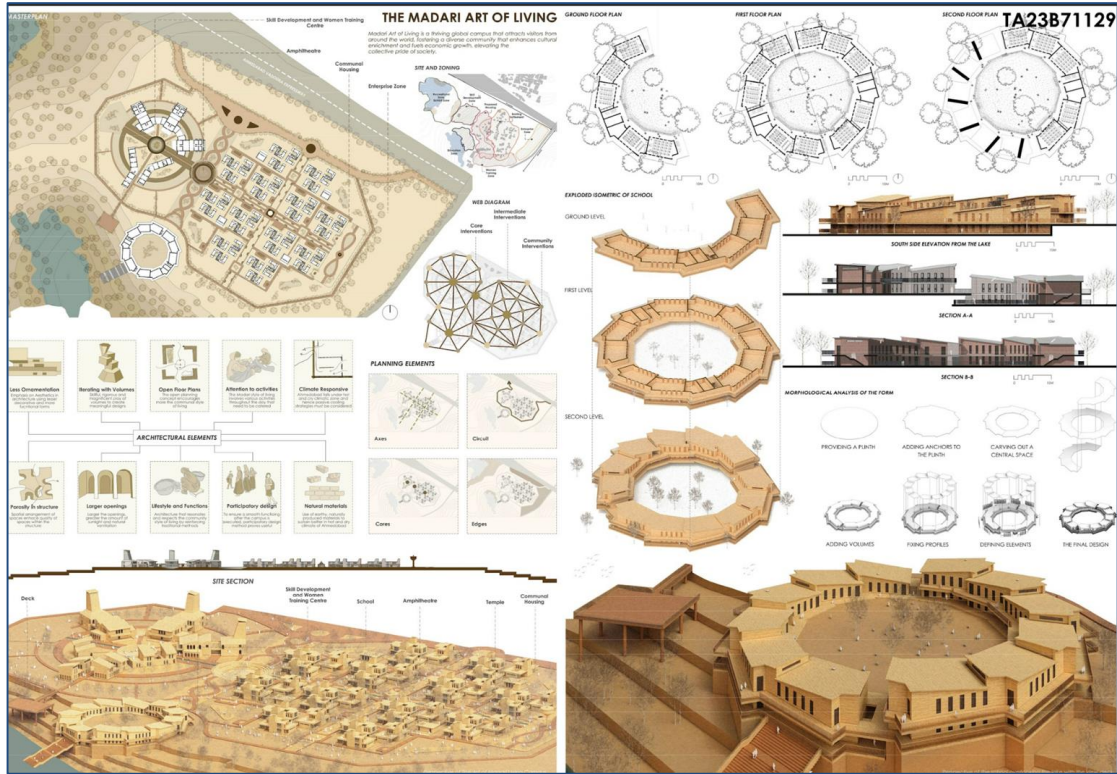
IMPACT OF EMPOWERING AND SUSTAINING TRIBAL COMMUNITIES

ECONOMIC DEVELOPMENT → IMPACT → EDUCATIONAL DEVELOPMENT
ECOLOGICAL DEVELOPMENT → SOCIAL DEVELOPMENT
CULTURAL DEVELOPMENT → UPLIFTING DEVELOPMENT

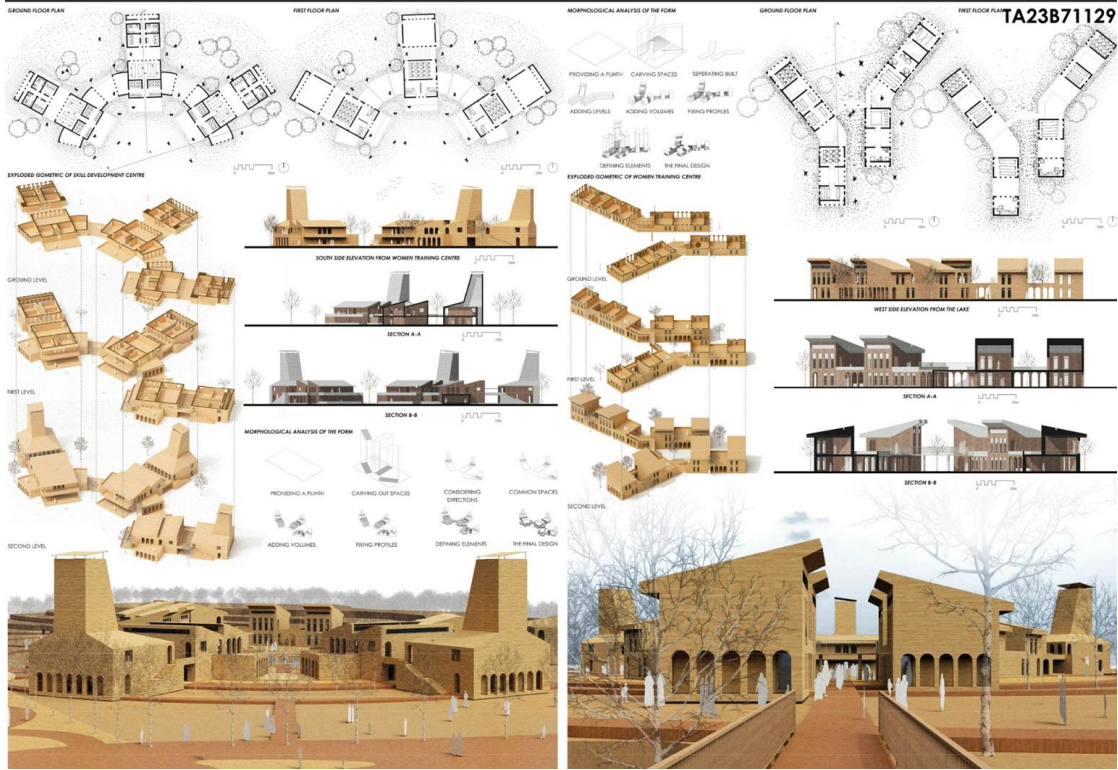
RELEVANT DEVELOPMENT GOALS

1. No Poverty, 2. Zero Hunger, 3. Good Health and Well-being, 4. Quality Education, 5. Gender Equality, 6. Clean Water and Sanitation, 7. Affordable and Clean Energy, 8. Decent Work and Economic Growth, 9. Industry, Innovation and Infrastructure, 10. Reduced Inequalities, 11. Sustainable Cities and Communities, 12. Responsible Consumption and Production, 13. Climate Action, 14. Life Below Water, 15. Life on Land, 16. Peace, Justice and Strong Institutions, 17. Partnerships for Sustainable Development

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

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Garima Mutha

(Team Code - TA23B71129)

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Prof. Percy Adil Pithawala
Khushnu Panthaki Hoof
Sonke Hoof



Date - 07/08/2023

ARCHMELLO THESIS OF THE YEAR AWARD- Top 10

Photographs



Riya Saira Georgi

Students Work

TA23B70973

WEAVE with WATER *The story of Vypin*

ON THE ISLAND...

Area (2020)	97.77 km ²
Population (2020)	23344
Male Population	12542
Female Population	12814

WHAT SURROUNDS THE ISLAND?

REINFORCE THE MOTHERLAND AFFECTIONATION

- Studying and documenting the current ecology in and around.
- Strengthening resilience through soft-edge landscaping.

AFFIRM THE GREEN PROTECT, ENHANCE, CREATE

- Conserve sensitive areas.
- Enhance existing resilience.

EMBRACE HISTORY ADAPTIVE REUSE OF HOMES

- Creating memory of users onto site through old structures.
- Existing disused old homes are reutilized for use.

SYMBIOTIC LIVING ARCHITECTURE FOR IDEAS AND IDEALS

- Working for the benefit of Vypin.
- Local and organic, healthy, buildable and replicable.

NEW LIFE AQUAPONIC FARMS

- Local food production that pays maintenance and can sustain the community.
- Expansion and site of agriculture & organic relations to health & growth.

LINKING NEW POSSIBILITIES ON FOOT CONNECTIONS

- Complementary functions to food & economy.
- Pathways and bridge connecting.
- Local-level social infrastructure.

FOOD FOR THOUGHT RESTAURANTS

- Local community & local.
- Expand 1 month in the most authentic way.
- National-level social activities.

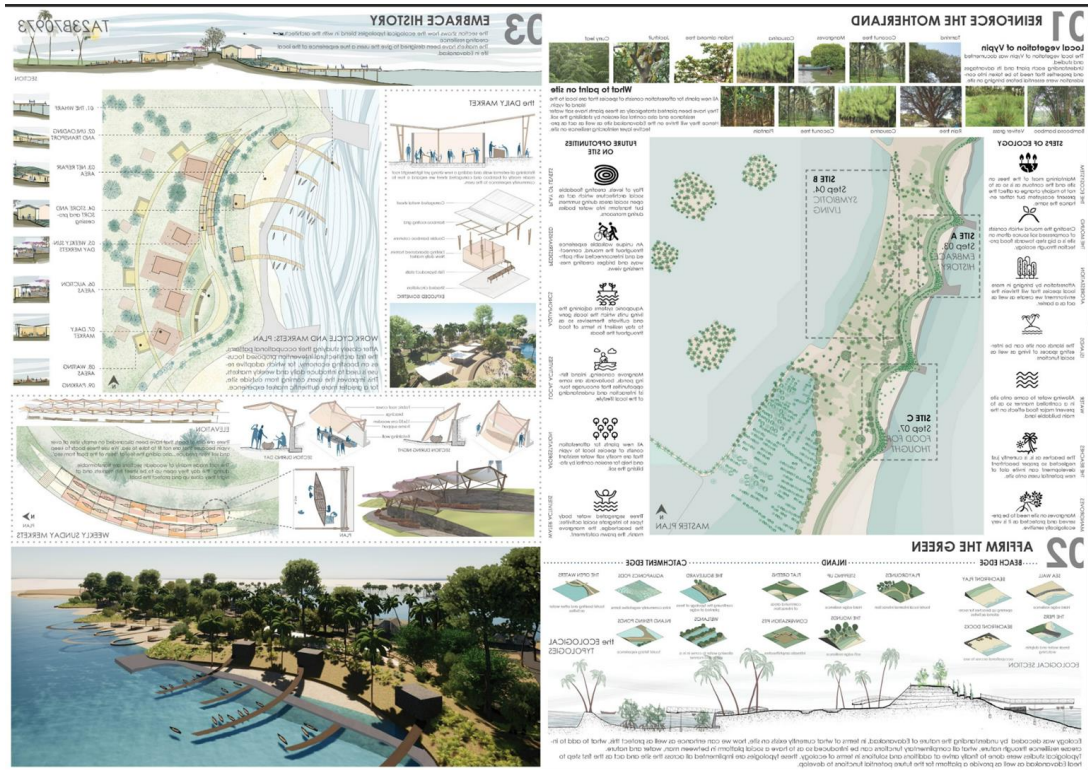
CELEBRATING VYPIN REMEMBERING OLD VYPIN

- Remains of old structures used to create social spaces & installations.

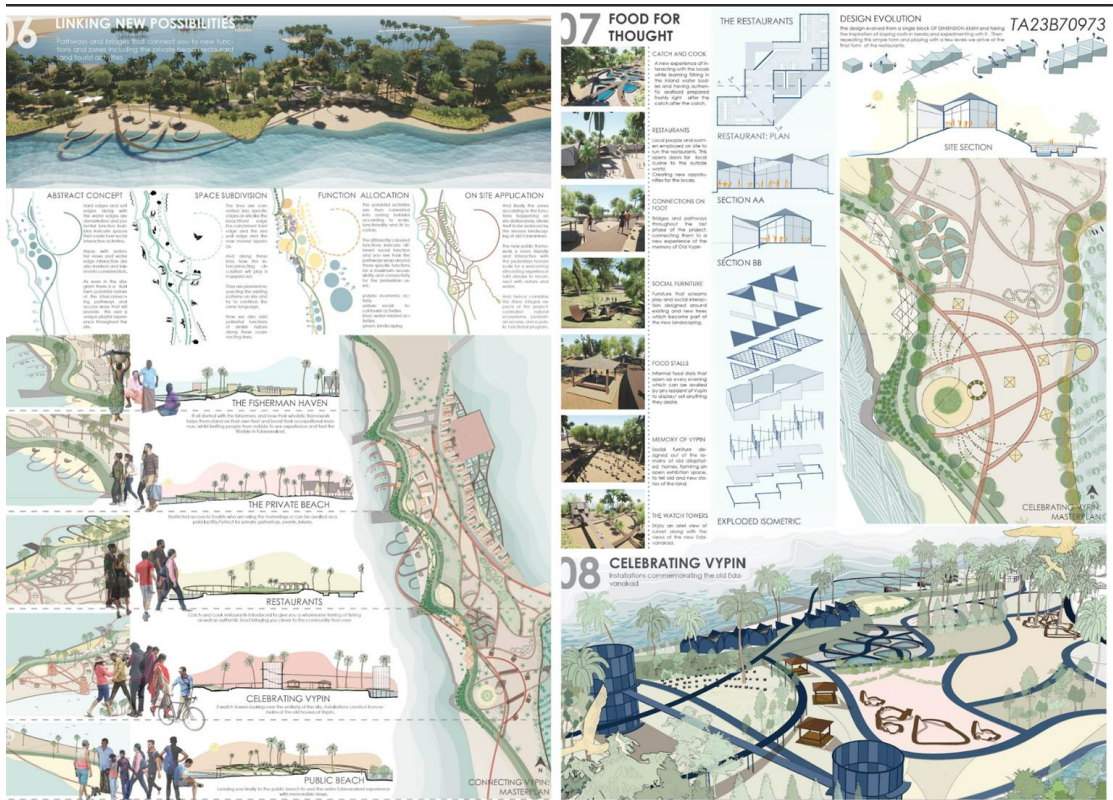
GROWTH 09 INFINITE GROWTH

- Completely stable economy.
- Local to take 1000 hands how they work & mould in our future.

ARCHMELLO THESIS OF THE YEAR AWARD- Top 10



ARCHMELLO THESIS OF THE YEAR AWARD- Top 10



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Sonke Hoof



Date - 07/08/2023

INSTITUTION'S PARTICIPATION IN VARIOUS COMPETITIONS

2023 - 2024

SEPTEMBER 23

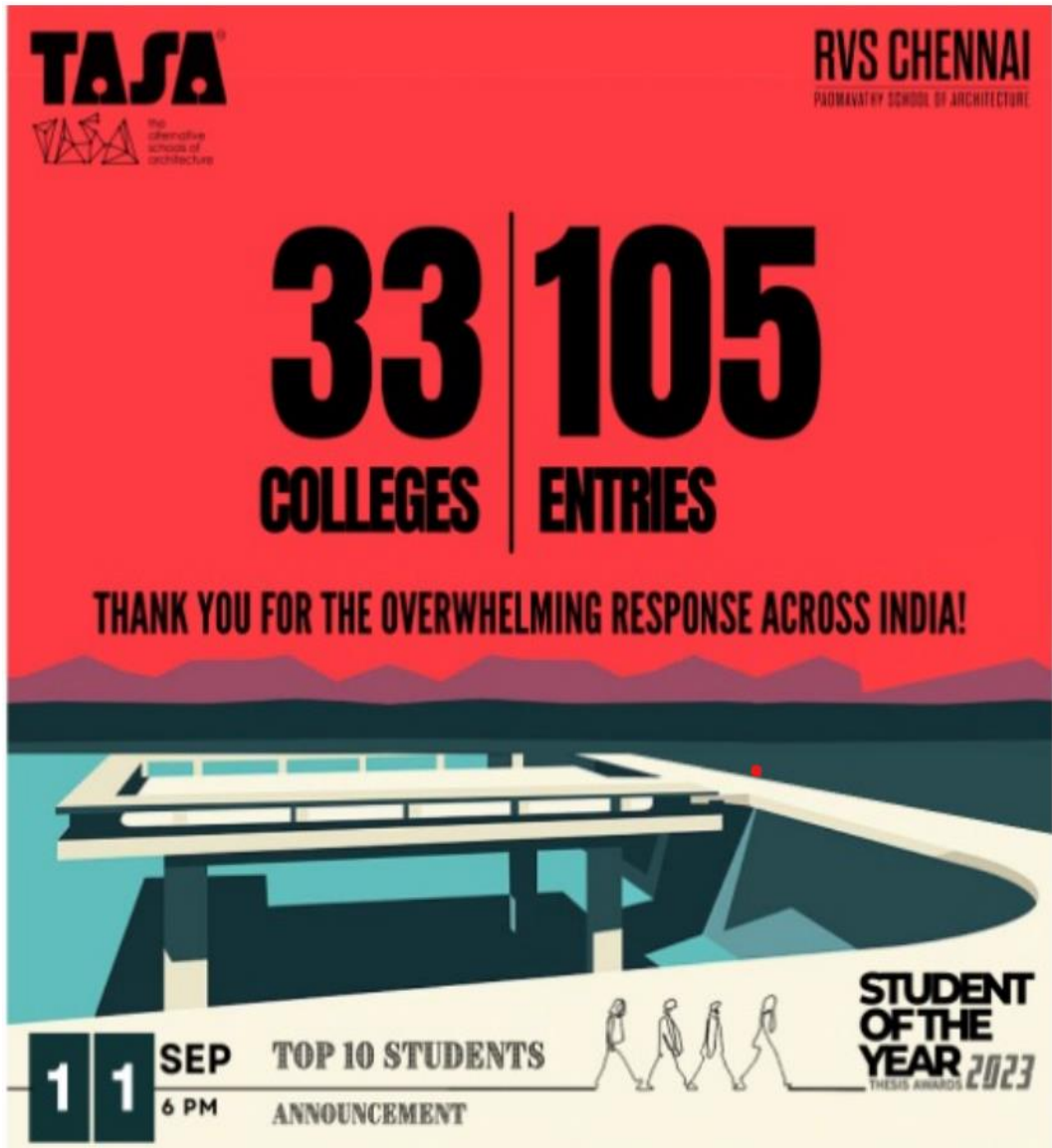


COMPETITIONS PORTFOLIO HANDLED BY
Ninad Rewatkar
Vinita Lulla
Sudhir Deshpande

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



TASA
The Alternative Schools of Architecture

RVS CHENNAI
PADMAVATHY SCHOOL OF ARCHITECTURE

33 | **105**
COLLEGES | **ENTRIES**

THANK YOU FOR THE OVERWHELMING RESPONSE ACROSS INDIA!

11 SEP 6 PM **TOP 10 STUDENTS ANNOUNCEMENT**

STUDENT OF THE YEAR 2023
THESIS AWARDS

STUDENTS PARTICIPATED

Nirupam Kadam
Amay Rathi

TASA Thesis of the year Award - RVS -Special Mention

Photographs



Nirupam Kadam

Students Work

Pandharpur, Maharashtra.

Pandharpur situated on the banks of river Bhima, near Solapur attracts more than a million of Varkaris (devotees of Vitthal) to Pandharpur on occasion of Ashadi Ekadashi, eleventh day of brighter fortnight of Hindu month Ashadh that falls in June-July. It is one of the largest pilgrimages in Maharashtra. The earliest reference of Pandharpur belongs to 8th century A.D., however the place rose to prominence from thirteenth century onwards when Bhakti (devotional) movement started flourishing in Maharashtra. Varkari sect developed as a regional variant of Vaishnava School with its own identity. Pandharpur is a repository of religious heritage. The study explores the nature of impact of religious tourism on the historic core of Pandharpur, also identify and map the vulnerability and potential in historic core.

Timeline of Pandharpur

1300 Sant Dnyaneshwar Vifted Pandharpur to start Vrat Procession.	1318 Pandharpur Attacked by the Mughals.	1489-1700 Town Focad many Natural Calamities and Warfates.	1636-1665 Pandharpur Reinstated as a Spiritual Town.	17th Century Pandharpur Flourished under the Rule of Peshwas.
1812 Pandharpur Peace Treaty was Signed.	1835 Procession of Sant Dnyaneshwar Pakti Started.	1905 Railways introduced to Pandharpur.	1915 Wilington Bridge was built to Connect Pandharpur.	1947 Doors of the Temple were Opened for Untouchables.

Pandharpur- Land of Saints

Sant Dnyaneshwar	Sant Tukaram	Sant Namdev	Sant Chokhamela	Sant Muktabai

Cultural Evolution of Pandharpur

615 AD-1180AD Chalukyas	11th-13th Cent. Yadavas	13th-14th Cent. Bidar	14th-16th Cent. Bahamani- Nizamshahi	1675-1818 AD Peshwas	1818-1947 AD British
Spread of Bhakti Movement in Maharashtra		Wars and Natural Calamities	Golden Period	Infrastructural Growth	

1675-1818 AD-Maratha Period (Peshwas)

1818-1947 AD- British Rule

1947- Present- Post Independence

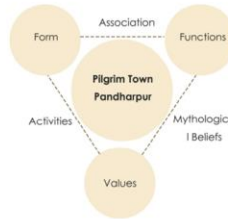
TASA Thesis of the year Award - RVS -Special Mention

Introduction

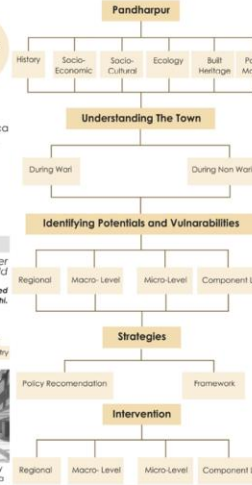
Vision-
Redevelopment of Temple Precinct at Pandharpur.

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

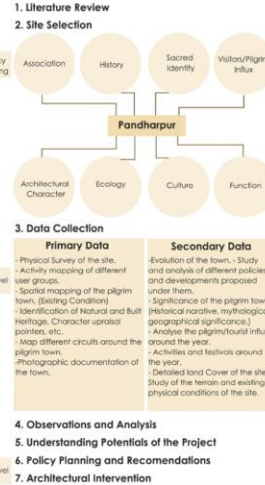
Objectives-
- To provide pilgrims and tourists with a peaceful experience in the town.
- To enhance the architectural character of the town.
- To streamline the influx and outflow of pilgrims and tourists in Pandharpur.
- To provide the residents and their local businesses with opportunities and infrastructural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



Structure of the Thesis-



Methodology-



Spirituality in Architecture

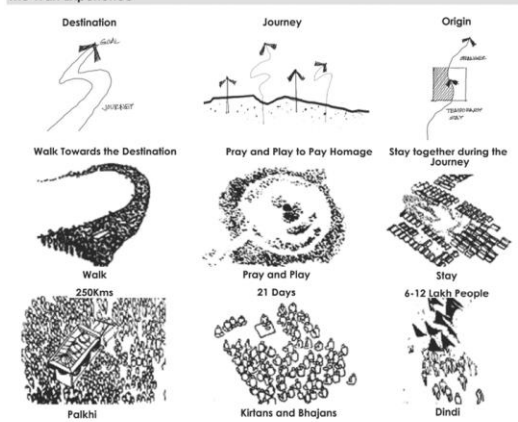
"A building is created out of memories, associations, sounds, forms, spaces and images, and many other related and unrelated encounters. Through these, he reconstructs his image to connect to the world around."



Goals

Short Term	Mid Term	Long Term
<ul style="list-style-type: none"> - To provide pilgrims and visitors with an experience to nurture. - To enhance the architectural character of the temple town and thus revive the glory of the town. - To make it easy and convenient for the administration as well as the tourists/pilgrims to guide themselves through the town. - To create clean and hygienic environment in the town. - To benefit the locals as well as visitors from the project. - To provide the town with solutions to cater the floating population during festive times. 	<ul style="list-style-type: none"> - To improve the infrastructure for accessibility for the temple complex. - To provide better quality accommodation facilities to the pilgrims and visitors. - To facilitate the town with public infrastructure to maintain healthy environment. 	<ul style="list-style-type: none"> - To improve civic infrastructure facility like Hospitals, Schools, Shopping Centers, Parks, Gardens, etc. - To implement urban design strategies in the town in order to incorporate the huge amount of floating population. - To make people want to visit Pandharpur. - 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
Manday Musings-Giving mega facelit to holy site at Pandharpur

Confusion of Pandharpur corridor! Discussion on one side, tender for development plan on the other, anger among citizens
Pandharpur Vitthal Temple Special Report : Will Govt to develop Pandharpur on the lines of Kashi corridor? Mauli Corridor get caught up in controversy?

What is the Project About?

Phase 1	Phase 2	Phase 3
Development of the main temple and other temples of gods and goddesses, the heritage buildings will be kept intact while doing this work.	Development of city roads, water supply, electrification, Darshan Mandap, Skywalk, Assembly Mandap, parking lots, parks, sewers etc.	Development of ghats on Chandrabhaga river along with necessary buildings, transport system, ring route etc.

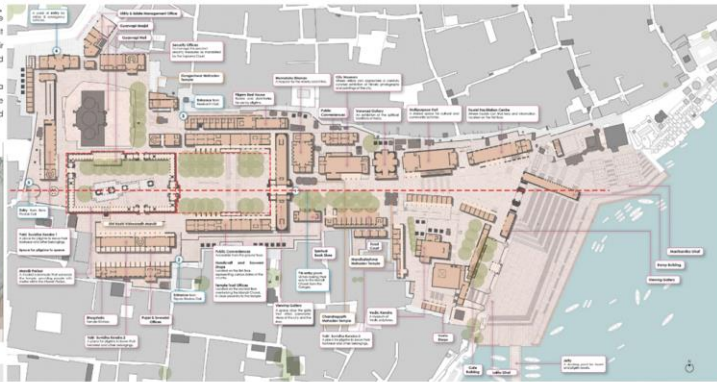
TASA Thesis of the year Award - RVS -Special Mention

Case Study- Kashi Vishwanath Dham Redevelopment Project,Varanasi.
located on the left bank of the River Ganga, Varanasi is one of India's most sacred pilgrimage sites. Along its water frontage and miles of ghats, it houses the Kashi Vishwanath Mandir, built in 1780. The city receives more than a million pilgrims and tourists each year, visiting the Mandir and its precinct. Engulfed by dense urban development, the precinct is interwoven amid narrow, winding streets, and an array of shrines and temples.
The redeveloped precinct provides a befitting setting to the Kashi Vishwanath Mandir, with a picturesque path connecting the Mandir with the Ghats. Retaining its significance in the complex, the temple is enclosed by an ornate colonnade, creating the spacious and sacred Kandar Parikar.

Site Location



Site Precinct



Take Aways

Design Development	Conservation	Stake Holders	Accessibility	Character
Grid Based Planning	Heritage Preservation	Temple Trust and Government Bodies	Iconic	Building Material
Design Zoning	Rejuvenation of Temple	Local Businesses and Charities	Ramps and Staircases	Design Language
Response to the context	Walled Enclosure	Prayers and Services	Walkways	Design Language

Site Section

Temple Parikar Temple Chowk Pilgrim Path, Cultural and Civic Institutions Ghats River Ganga

Case Study- Kedarnath Dham Redevelopment Project,Kedarnath.

The design proposes a redevelopment plan for the Kedarnath temple area that was washed away in the Uttarakhand floods of 2013. The pre-flood development around the Kedarnath shrine had been haphazard, dense and hence extremely vulnerable to any natural or man-made calamity. The design strives to present a model for future developments in the religious and hill tourism sites in northern India. Delineating the area around the shrine as "forever open, clear and free" space, the design makes a strong statement advocating the principles of conserving the sanctity and heritage of the similar sites. The demarcation of development free zone is strategic as it recreates the pristine splendor that was defined by the backdrop of snow-capped mountains prior to the haphazard development that took over. Establishing safer elevation of the intervention area with respect to the floods and protecting the same from soil erosion by the rivers flowing on either sides are some major contributors to the project.

Site Location



Flood Situation After 2013



Site Precinct



Take Aways

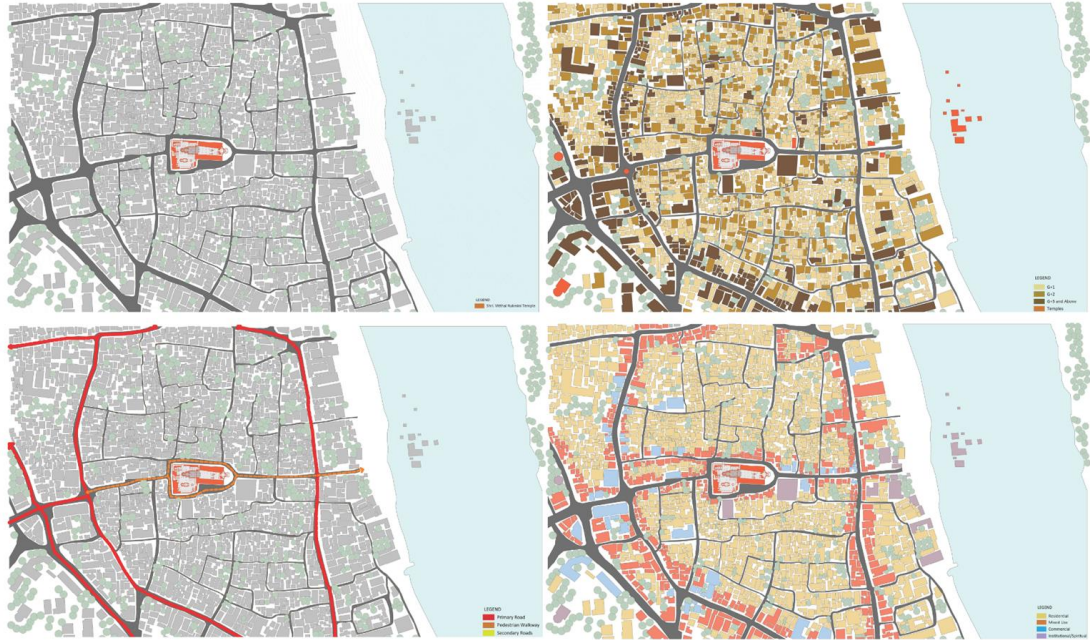
Design Development	Conservation	Stake Holders	Accessibility	Character
Grid Based Planning	Renewing the Existing	Temple Trust and Government Bodies	Approaches	Use of Local Materials
Design Zoning	Flood protection Strategies	Local Businesses and Charities	Walkways	Conventional Design
Respecting the Existing "open"		Pilgrims and Devotees		

Design Development

Kedarnath Temple
Land reclamation
Central Street
Public Plaza
Phase 2 Masterplan

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Macro Analysis



Urban Redevelopment Strategies



Existing Street Character



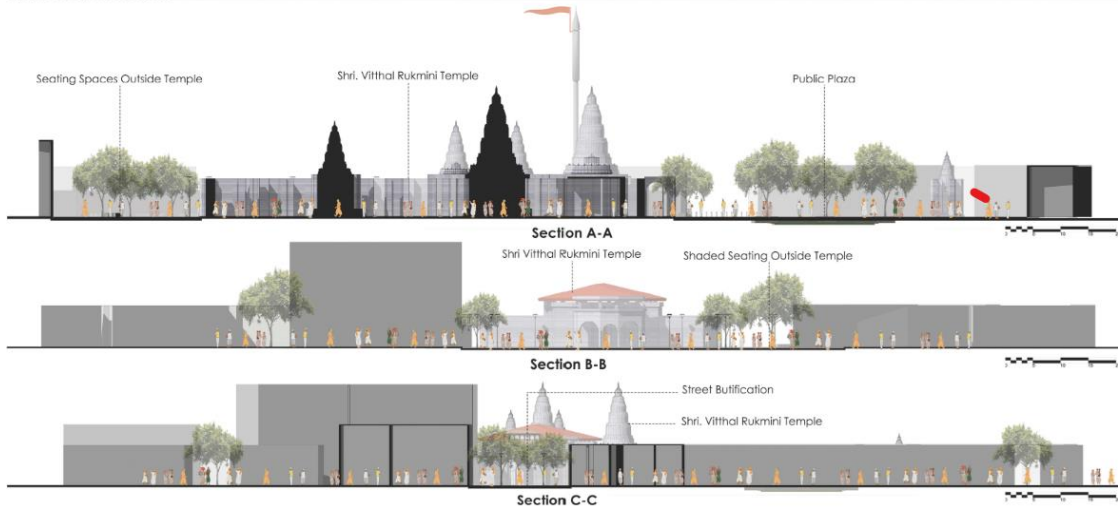
Architectural Elements

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Master Plan- Phase 1



Proposed Street Sections



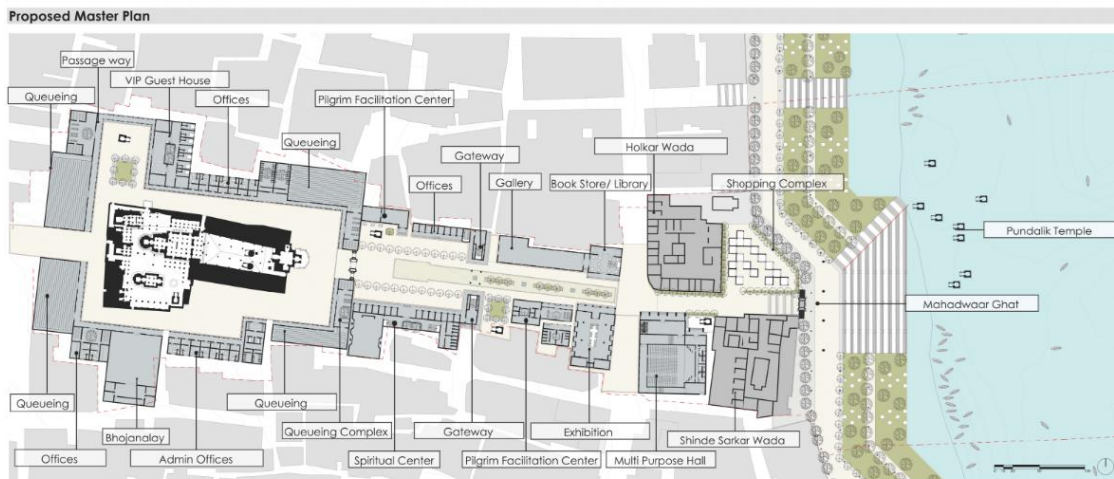
Issues Identified



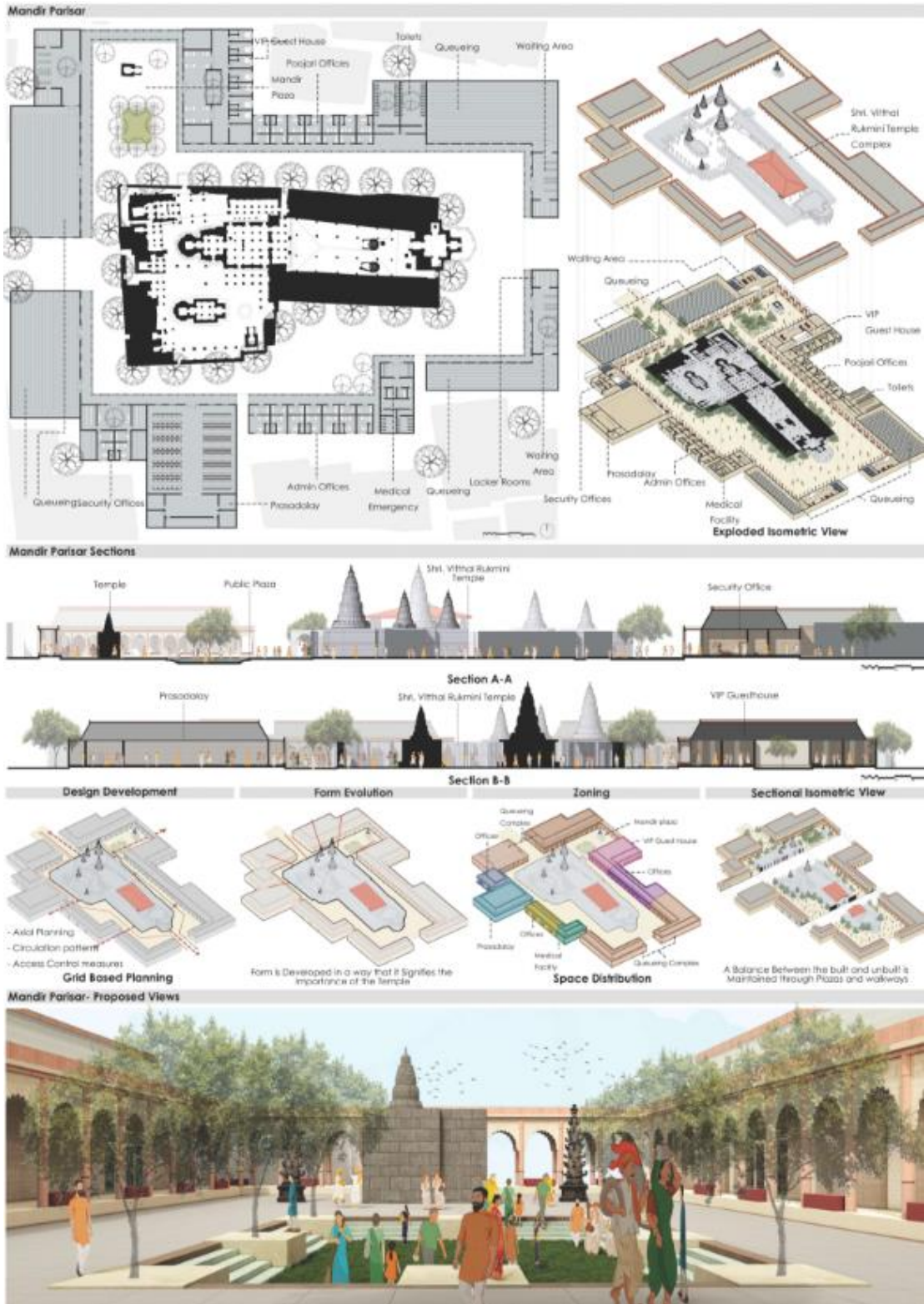
Short Term Proposal- Proposed Views



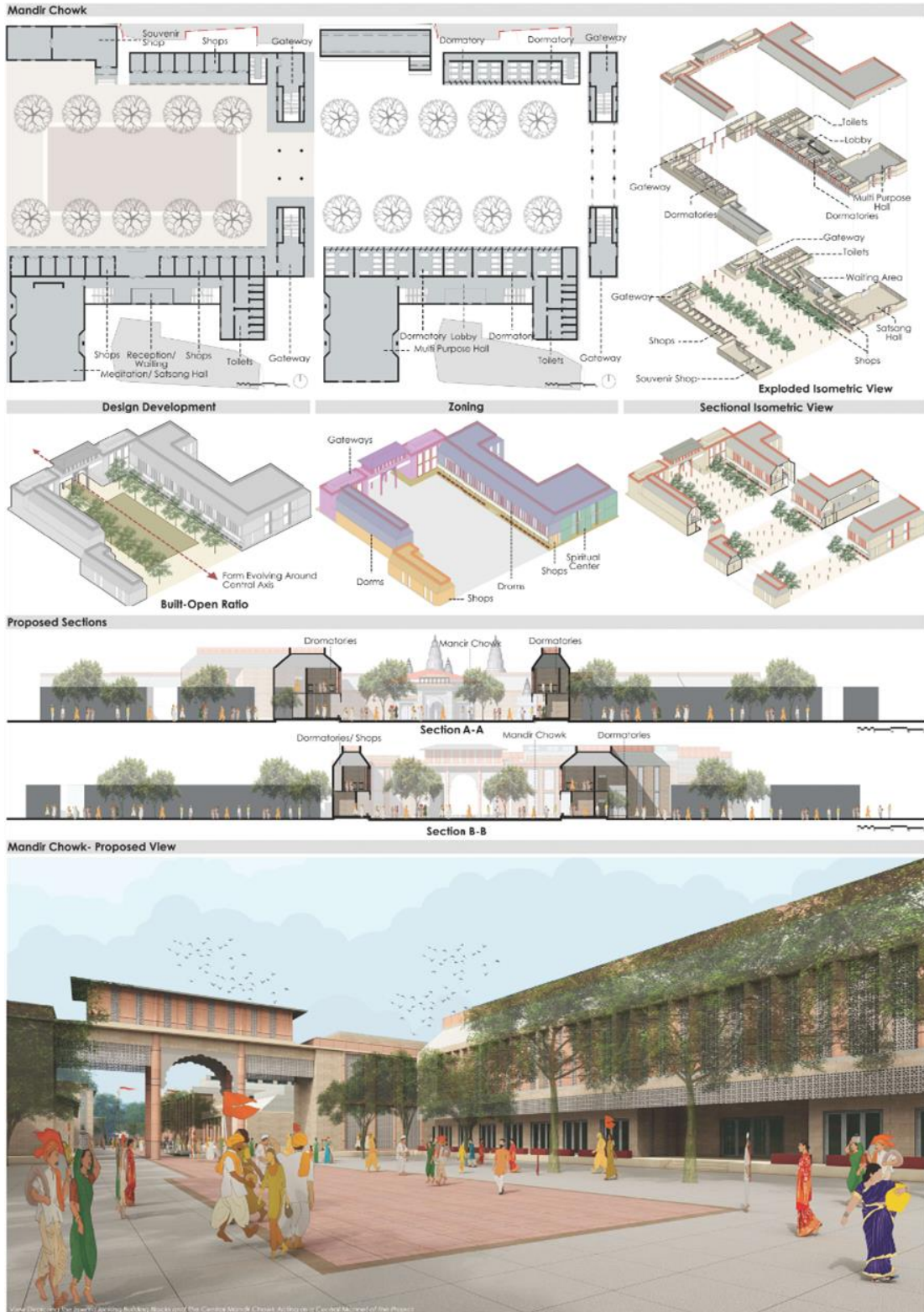
TASA Thesis of the year Award - RVS -Special Mention



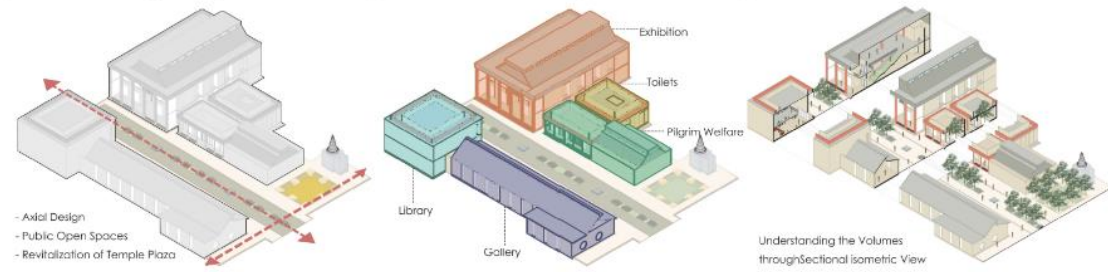
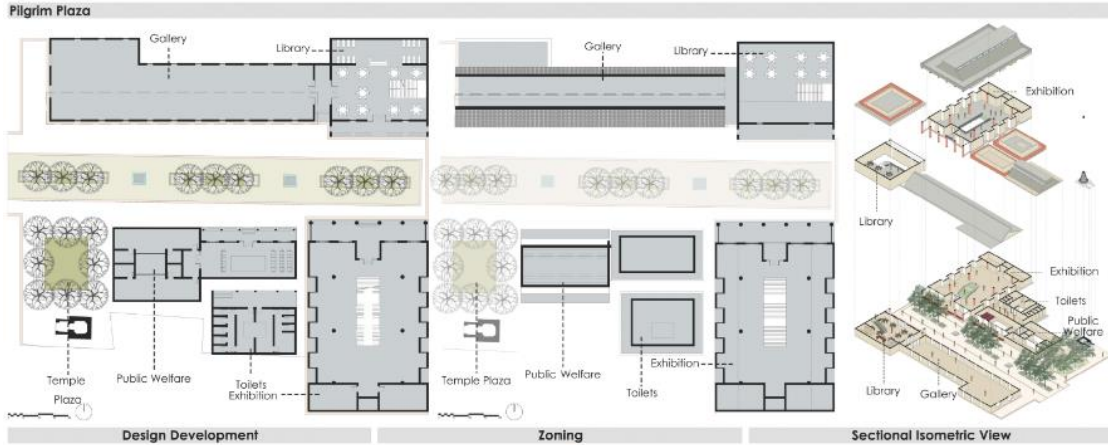
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TASA Thesis of the year Award - RVS -Special Mention

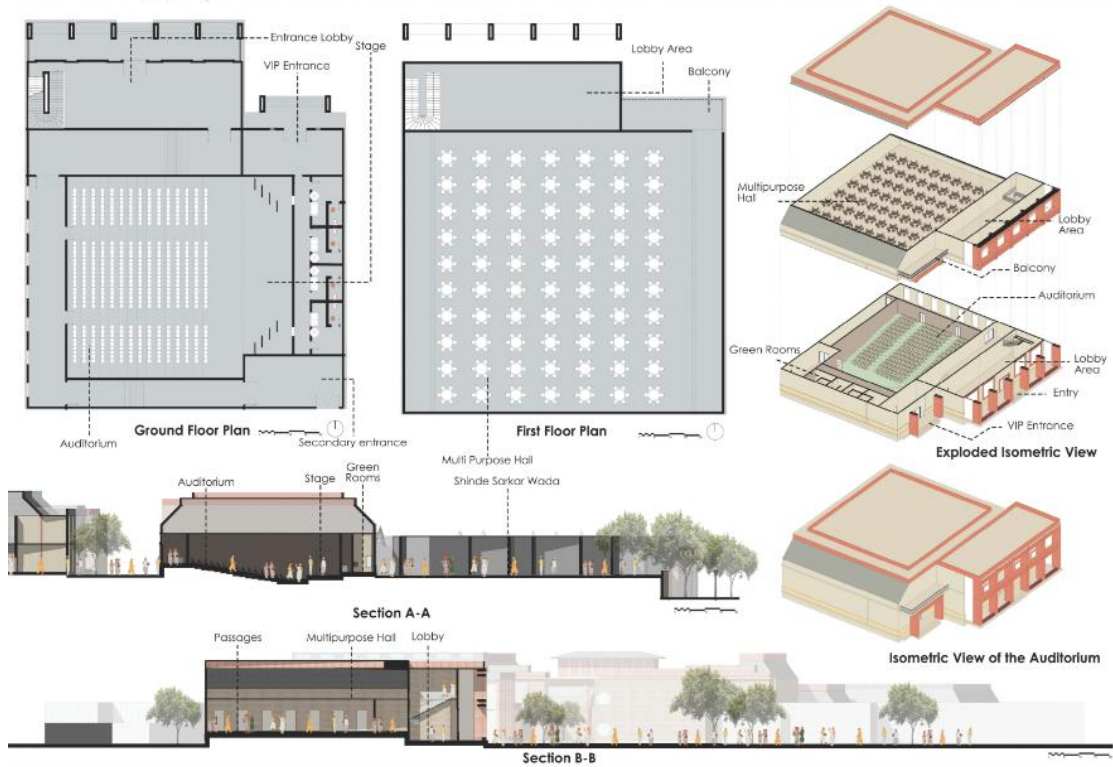


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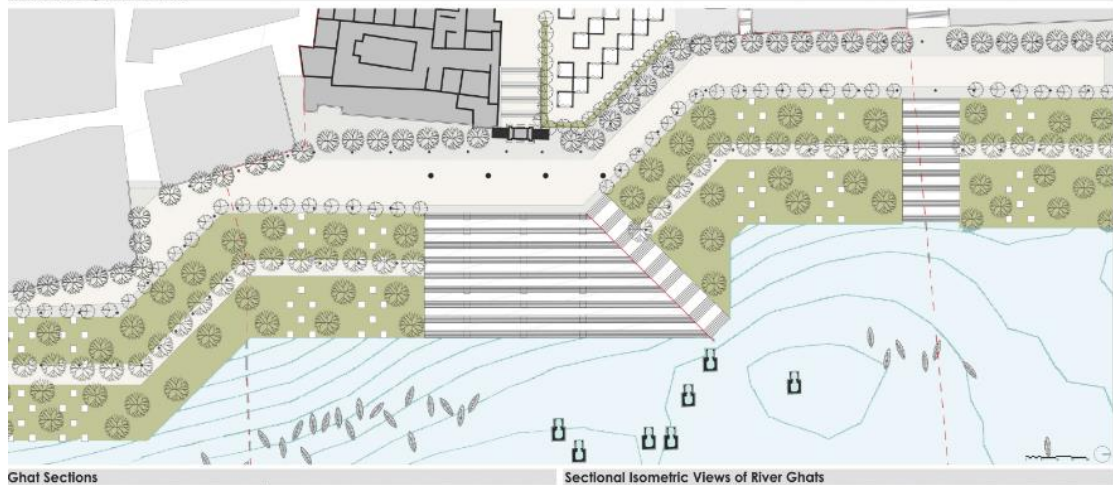


TASA Thesis of the year Award - RVS -Special Mention

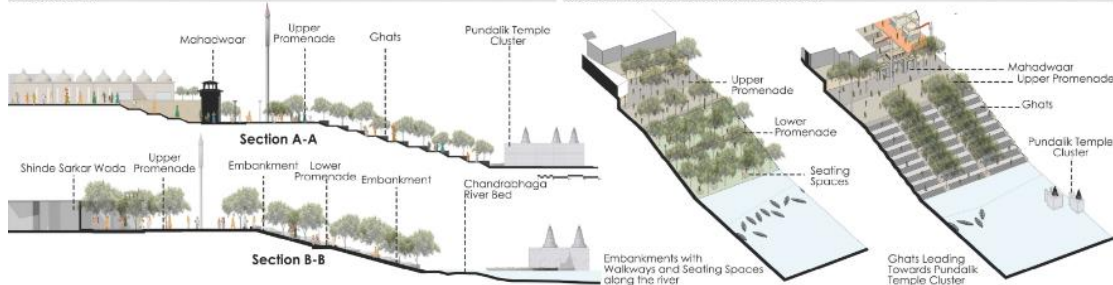
Auditorium And Mullipurpose Hall



Chandrabhaga River Ghats



Ghat Sections



TASA Thesis of the year Award - RVS -Special Mention

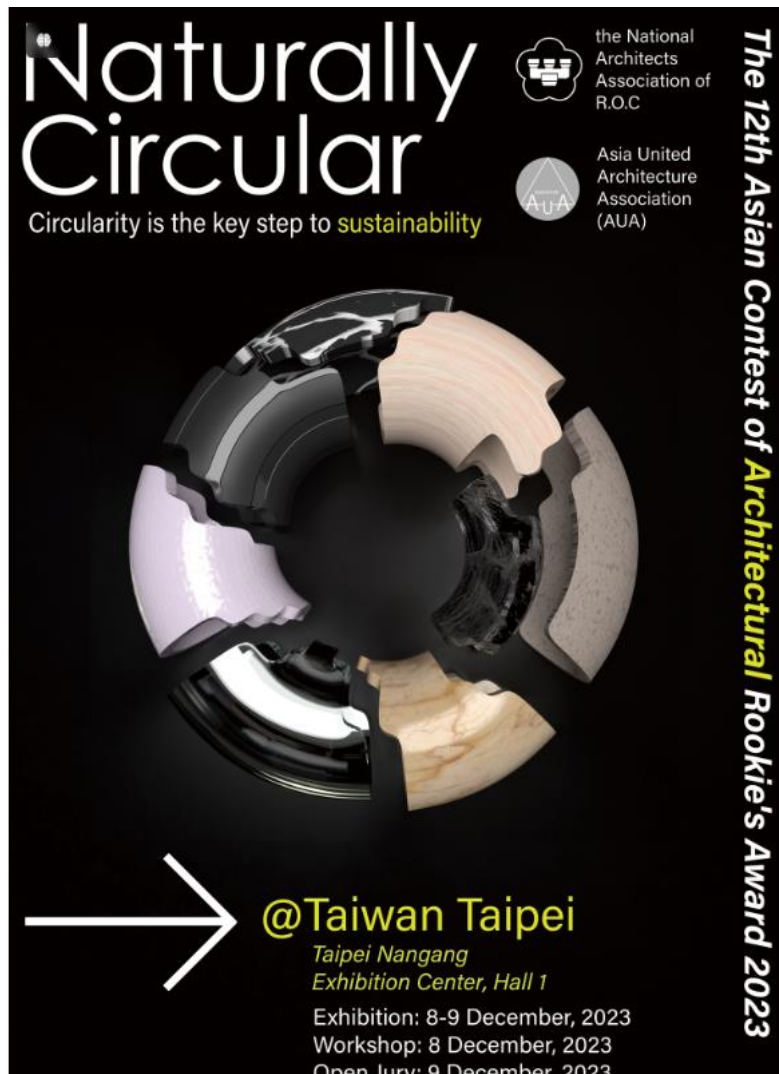


ACARA ROOKIES

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.



Naturally Circular
 Circularity is the key step to **sustainability**

the National Architects Association of R.O.C
 Asia United Architecture Association (AUA)

The 12th Asian Contest of Architectural Rookies' Award 2023

→ **@Taiwan Taipei**
 Taipei Nangang
 Exhibition Center, Hall 1
 Exhibition: 8-9 December, 2023
 Workshop: 8 December, 2023
 Open Jury: 9 December, 2023

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

1 Entropically located modules allow volume negators for improved wind flow.

1 The sea facing is most exposed to radiation and hence, has the deepest number of modules.

1 GGBS Concrete > RCC ; Prefabricated Steel section ++

2 The ground on urban have lower modules to allow unobstructed wind flow.

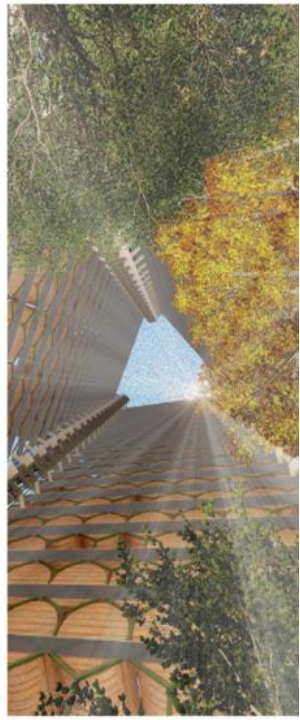
2 The Hill facing side enjoys the morning radiation only.

2 Relubricated steel section with 60% recycled content steel ++ ; Recycled polycyano sheets > Perforated metal for corridors

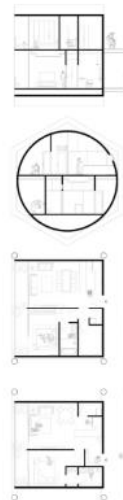
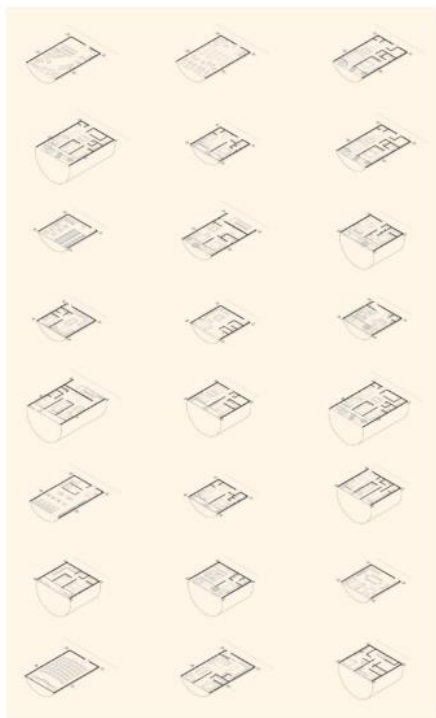
3 The prismatic form allows prevailing winds to be bifurcated and reduce win pressure.

3 The Creek facing side enjoys North light throughout the day.

3 Reconstituted prefabricated RCC members -> CLT > Steel paneling ; Steel structural system -> Prefabricated RCC Members



A housing is a cluster of houses but in the end, a house is someone's home. This calls for a lock of design input in the module design and hence, the brochure/array of possible modules that give the resident an idao 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.



Pune Construction Engineering
Research Foundation, PCERF

Presents
PCERF - B. G. SHIRKE
VIDYARTHI AWARDS 2023
7th in Series

Sponsor:
B G Shirke Construction Technology Pvt. Ltd.




Entry Criteria

- **Civil Engineering (UG):** Final year Project
- **Architecture (UG):** 4th / 5th year (Urban Design / Urban Insert Project)
- **Civil Engineering & Architecture (PG) :** Final year Project

▶ Presentation to Eminent Construction Industry professionals.
▶ Networking with Construction Industry Experts.

Last Date
for
Submission
for Entries
16th September
2023

Awards

- Cash Prize
- Trophy
- Certificate

Award Ceremony will be organized at
CONSTRO 2024
between 4th - 7th January 2024.

For more details contact
Pune Construction Engineering Research Foundation, PCERF. Tel No. 020 - 2544 7365, 98235 08576.
www.constroindia.org / www.pcerf.org
Contact - Mrs. Bhagyashri Ravetkar | Cell No. 9156549177 | Email : awards@pcerf.org

STUDENTS PARTICIPATED

RAM KALE, ASHUTOSH GAWARE

PCERF -VIDHYARTHI AWARDS FIRST WINNER.

Participants

TEAM 2

Semester 7

Siddharth Kadam

Vishal Dayani

Aanchal Mugdiya

Pushkar Khanorkar

Kushal Patil

Ashutosh Gaware

Aditya Bhintade

Parth Sable

Ruchita Phulkar

Vanshika Parekh

Tanmay Ghadge

Siddharth Kadam

TEAM 3

Pratik Mour

Saloni Rabara

Aanchal Mugdiya

Karishma Rawool

Neha Patil

Aditi Dhamankar

Atharva Vanjari

Ushma Shah

Ram Kale

TEAM 4

Pratik Mour

Semester 8

Ram Kale

TEAM 1

Khushi Lothe

Vishal Dayani

TEAM 5

Akshita Rathi

Atharva Vanjari

Shreya Bhide

Parth Sable

Keshav Agrawal

Akshita Sathe

Komal Kondalkar

Ram Kale and Ashutosh Gaware are the winners

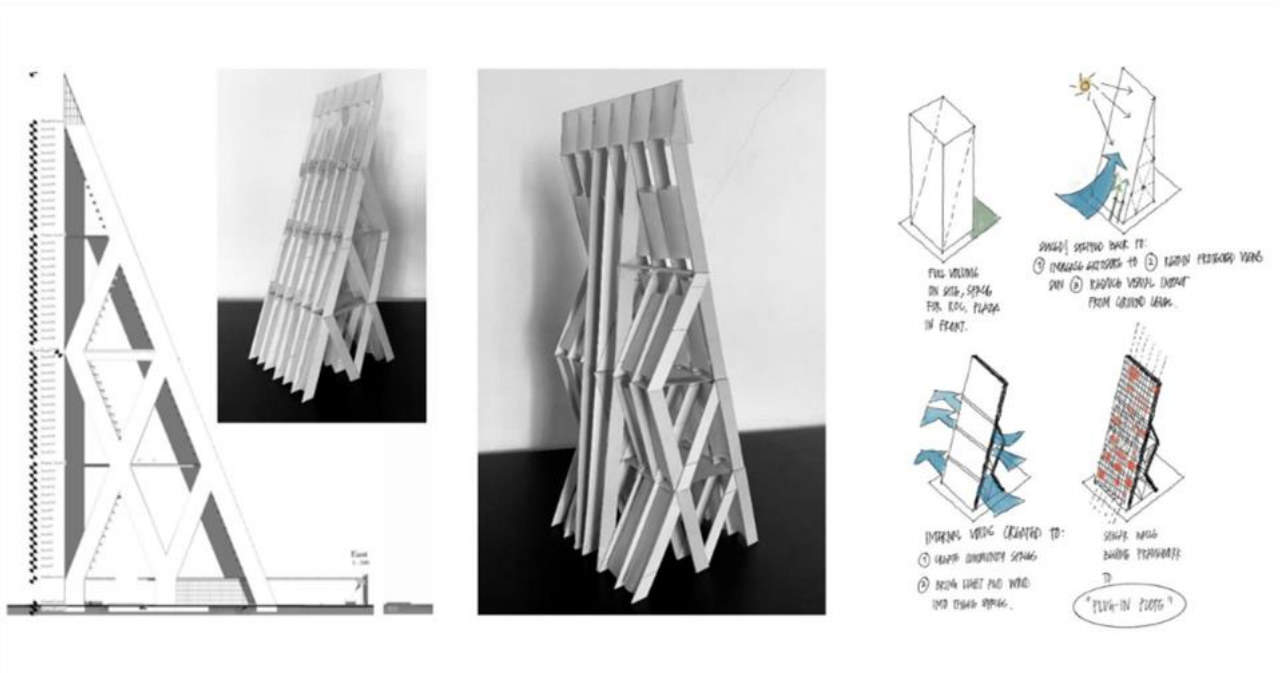
PCERF -VIDHYARTHI AWARDS FIRST WINNER.

Photographs



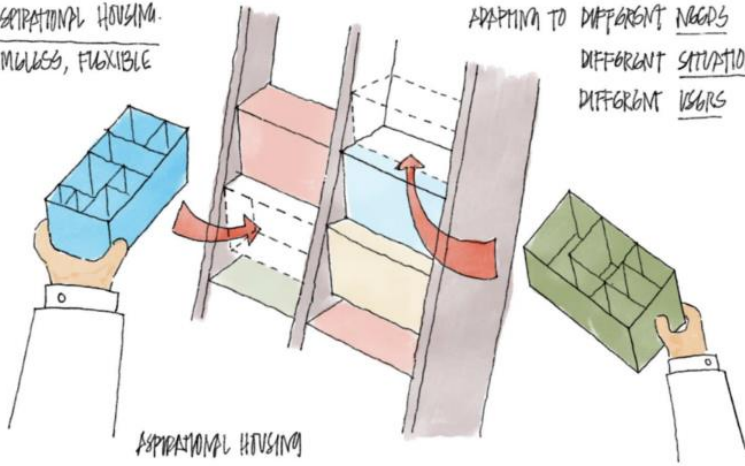
RAM KALE

Students Work



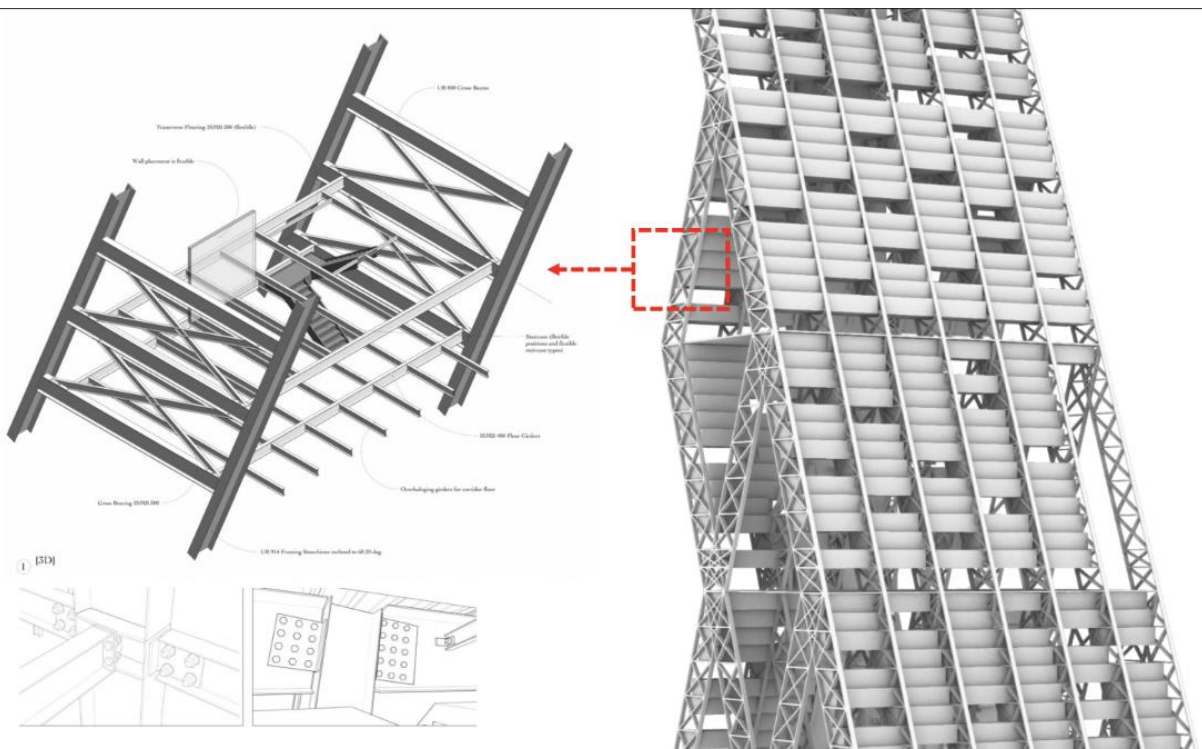
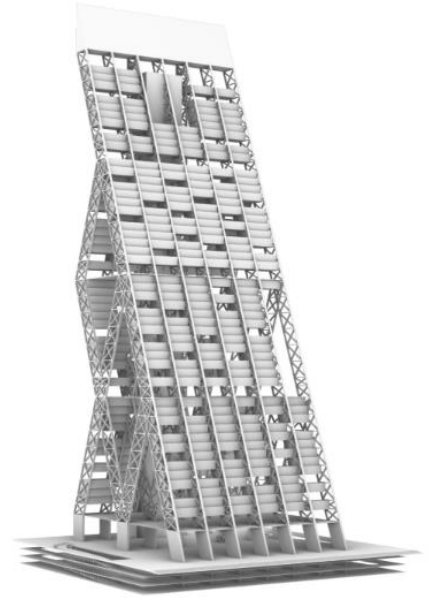
PCERF -VIDHYARTHI AWARDS FIRST WINNER.

ASPIRATIONAL HOUSING.
TIMELSS, FLEXIBLE

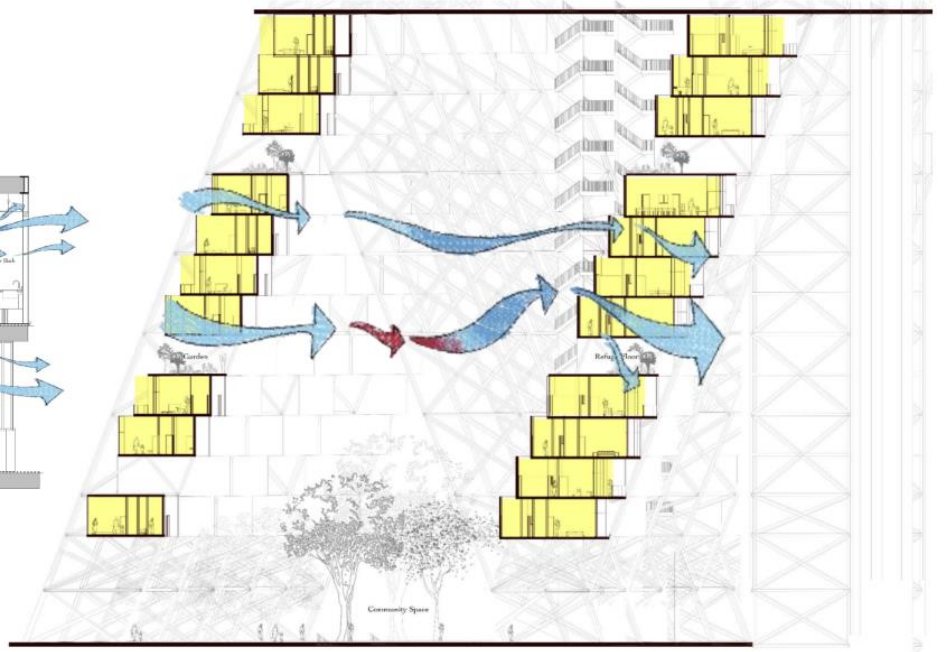
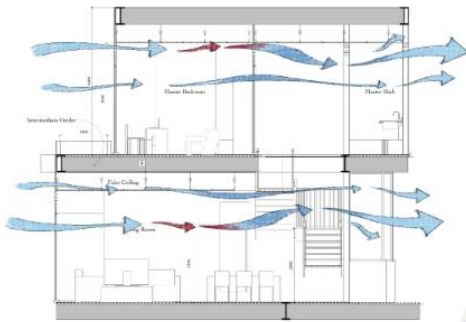
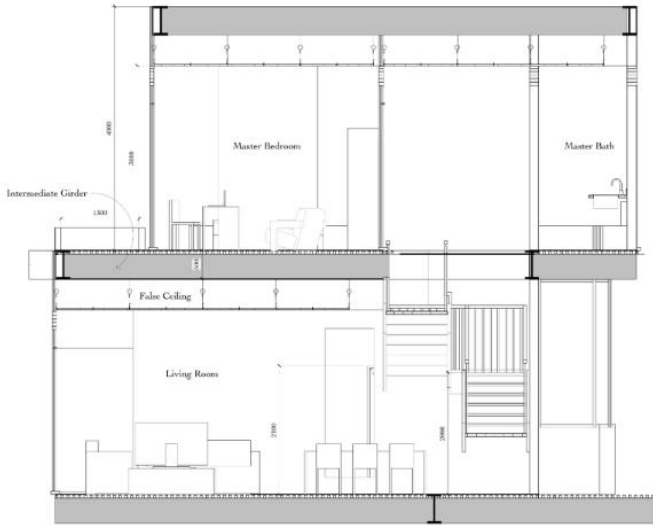


ADAPTING TO DIFFERENT NEEDS
DIFFERENT SITUATIONS
DIFFERENT USERS

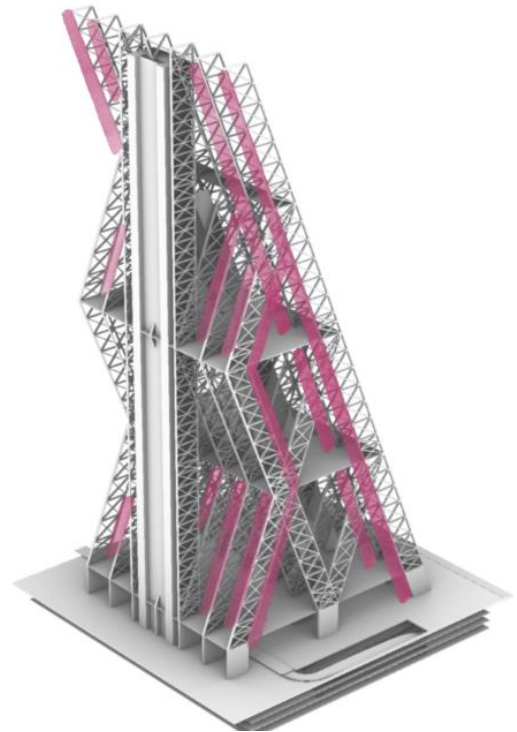
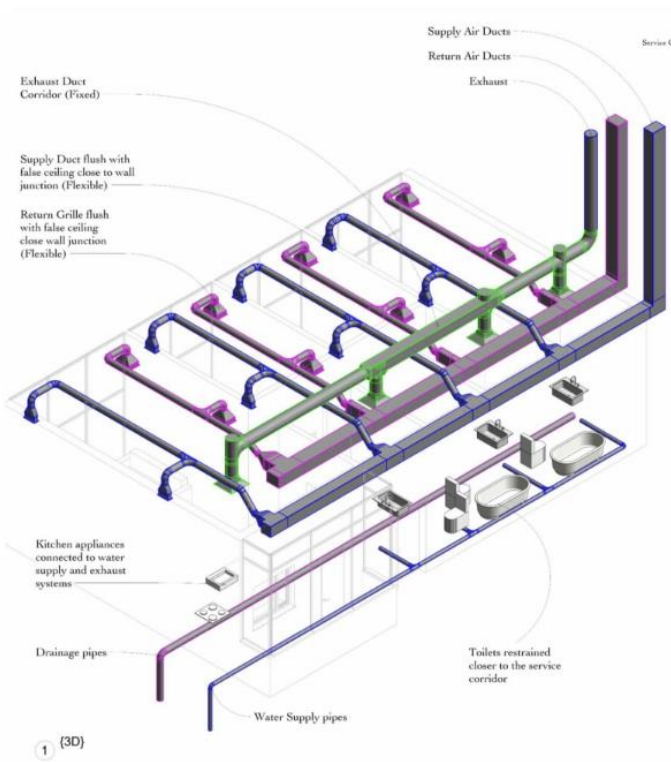
ASPIRATIONAL HOUSING
MEANS FLEXIBILITY in
ADAPTABILITY in
UNIT +
COMMUNITY.



PCERF -VIDHYARTHI AWARDS FIRST WINNER.

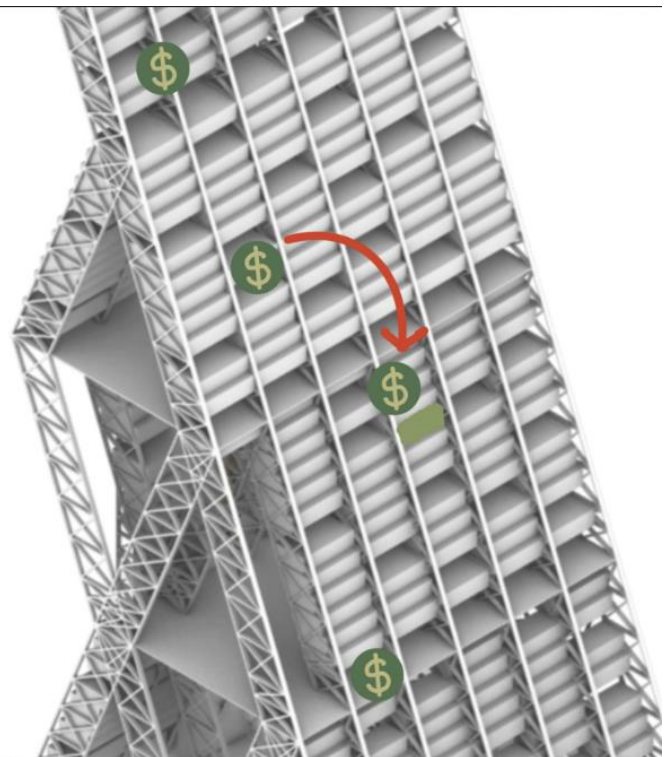


PCERF -VIDHYARTHI AWARDS FIRST WINNER.



Sustainability through Optimization

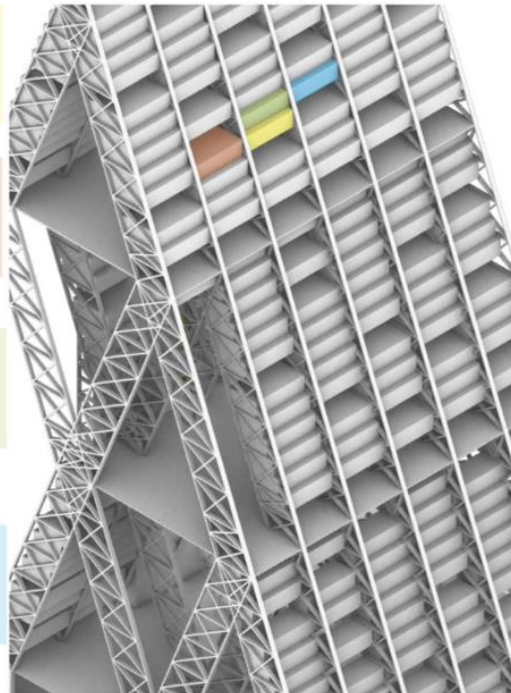
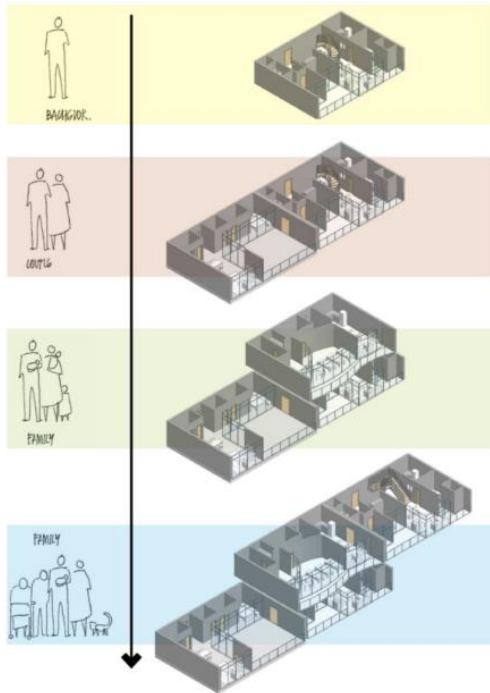
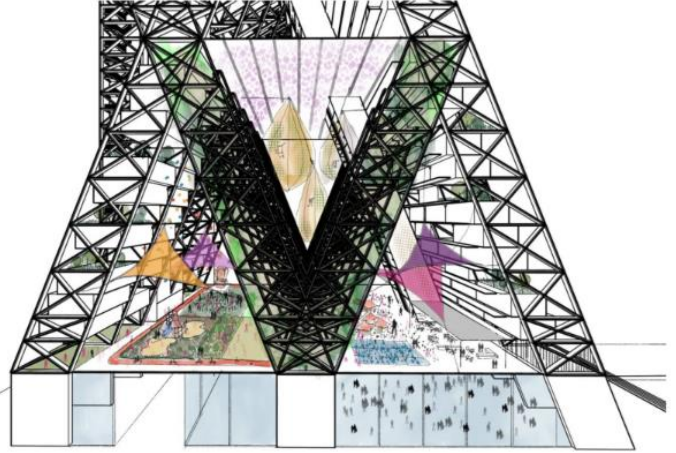
- Localizing demand for housing
- Optimizing available resources
- Reduces new construction and urban sprawl



PCERF -VIDHYARTHI AWARDS FIRST WINNER.



Zone 1



PCERF -VIDHYARTHI AWARDS FIRST WINNER.

Photographs



CERTIFICATE



PCERF -VIDHYARTHI AWARDS THIRD WINNER.

Photographs



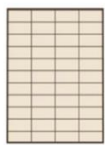
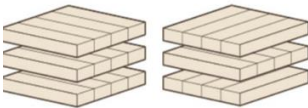
ASHUTOSH GAWARE

Students Work

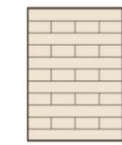


Wood has been an important part of **Pune's Wada Construction**. WADA as a house form reached its climax in **Peshwai Pune** and was synonymous with the cityscape, and gave it a distinctive architectural character, character which adorned wood, its possibilities and celebrated the unique notional quality 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.**



GLT



CLT



Increase Plantation



Reusability



Longer life Span



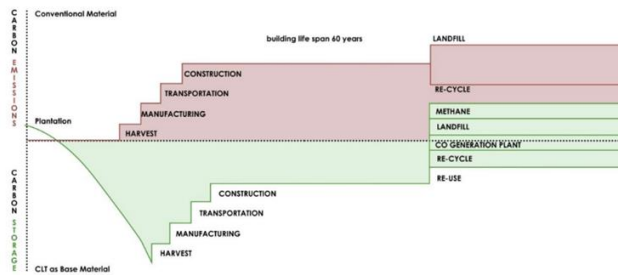
Standardization



Enhancing User Experience



Renewability



CARBON STORAGE



WEATHER VERSATILITY



FAST INSTALLATION




SEISMIC DURABILITY

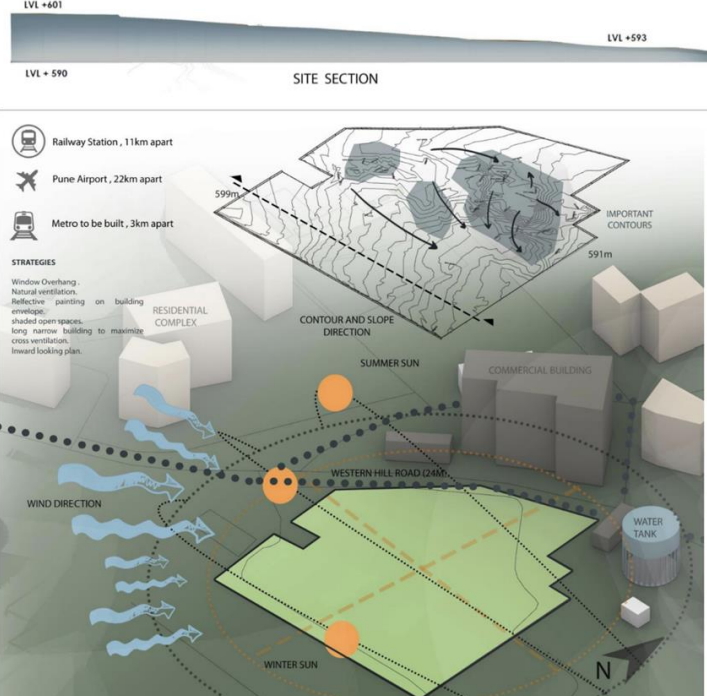


LESS WASTAGE ON SITE

PCERF -VIDHYARTHI AWARDS THIRD WINNER.



LOCATION- PUNE



SITE SECTION


Railway Station, 11km apart
 Pune Airport, 22km apart
 Metro to be built, 3km apart

STRATEGIES
 Window Overhang, Natural ventilation, Reflective painting on building envelope, shaded open spaces, long narrow building to maximize cross ventilation, inward looking plan.

Residential Complex
 Commercial Building
 Western Hill Road (Dam)
 Water Tank

Wind Direction, Summer Sun, Winter Sun, Contour and Slope Direction, Important Contours


Strength



STRENGTH:

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



WEAKNESS:

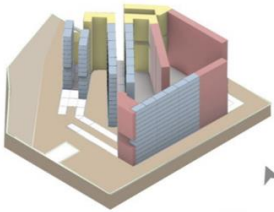
The Site is located in area with water scarcity. As the area is still being developed, the lack of street lights has led to a sizable stray population.

Opportunity



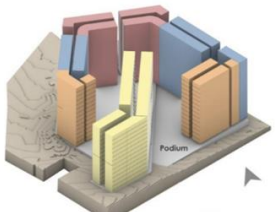
OPPORTUNITIES:

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



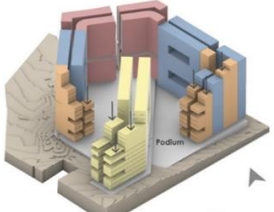
Conceptual Zoning 1

- 2bhk
- 4bhk
- 3bhk



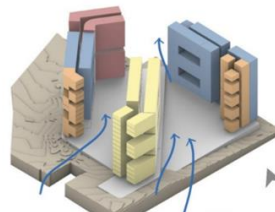
Conceptual Zoning 2

- 2bhk
- 4bhk
- 3bhk
- 1bhk



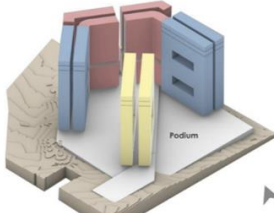
Staggering and Creating Voids

- 2bhk
- 4bhk
- 3bhk
- 1bhk



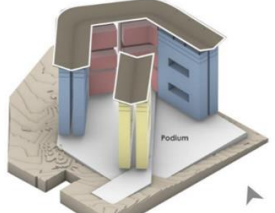
Arranging Built Mass

- 2bhk
- 4bhk
- 3bhk
- 1bhk



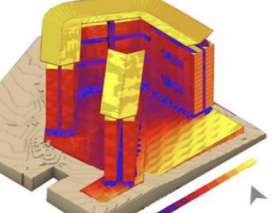
Conceptual Zoning 3

- 2bhk
- 4bhk
- 3bhk

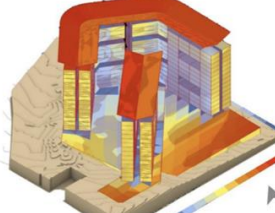


Roof For Protection

- 2bhk
- 4bhk
- 3bhk



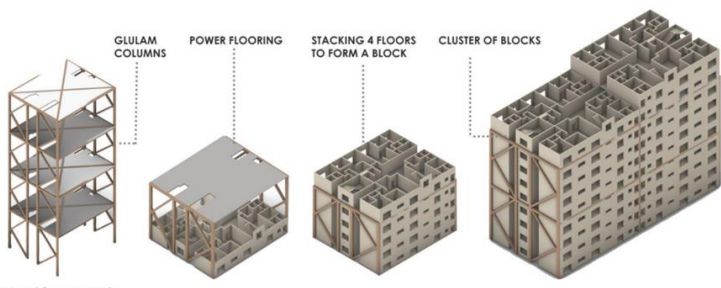
Direct Sunlight Analysis



Heat Gain Diagram

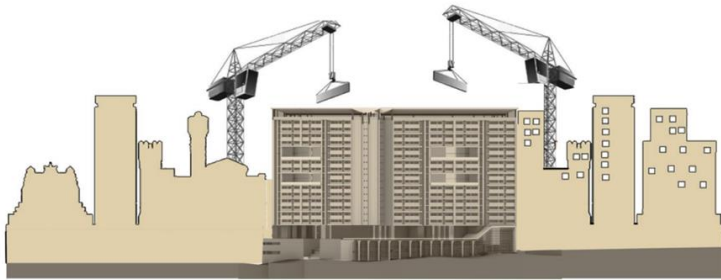
FORM DEVELOPMENT

PCERF -VIDHYARTHI AWARDS THIRD WINNER.



Wood frame work

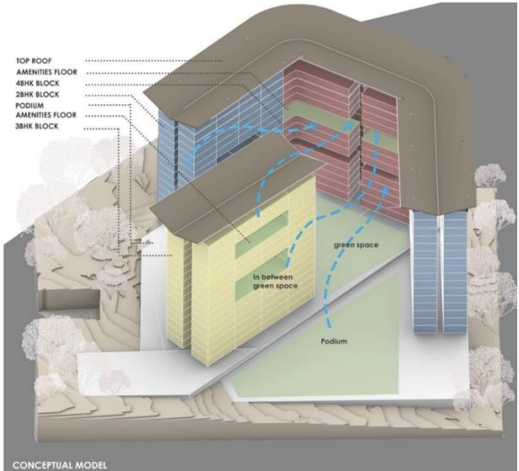
The module made from CLT Panels are stacked on each other and are supported by glulam columns with horizontal bracing again in glulam and power floors made up of concrete after regular interval helps in structural strengthening and stability against earthquake loads. Hence leading to formation of block.



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

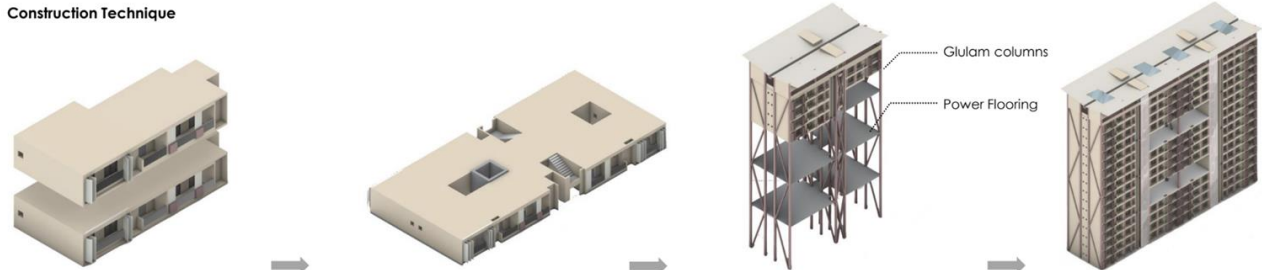
The TREET

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 superstructure

Modules Making a floor

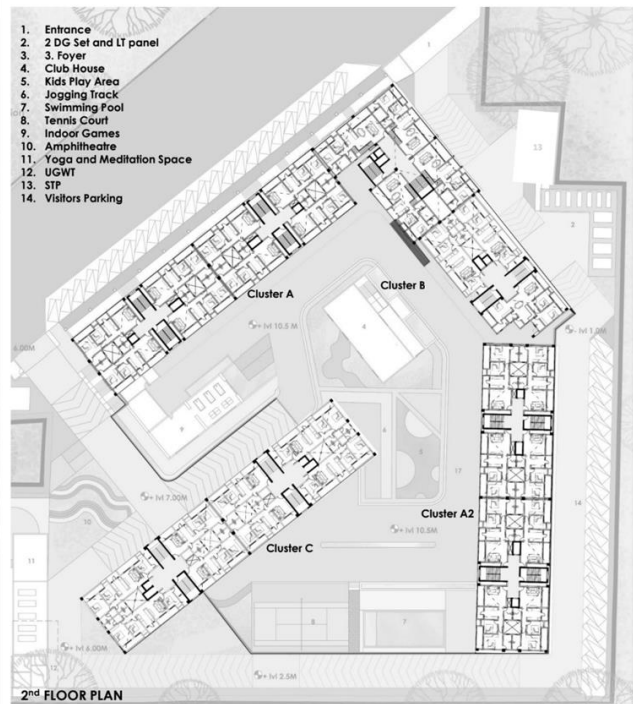
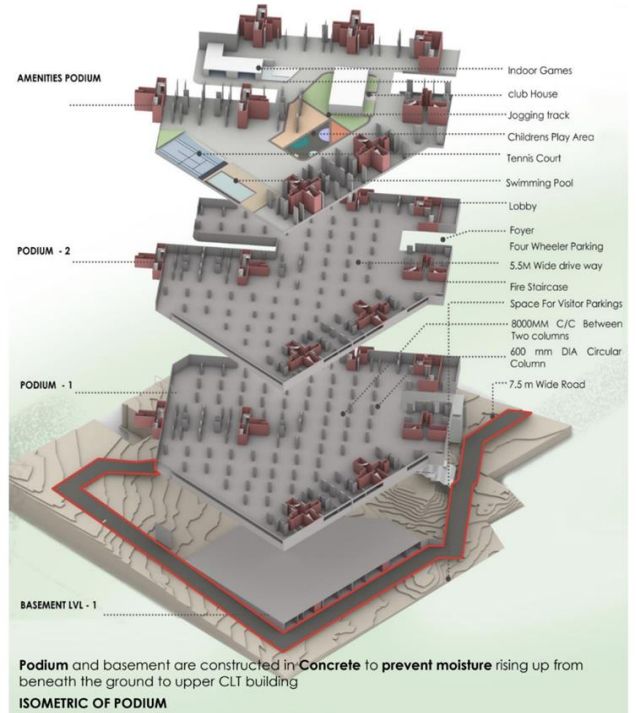
The Modules are also placed horizontally to form the floor plate with circulation happening from staircase and lifts

Structural Strengthening

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

Formation of block

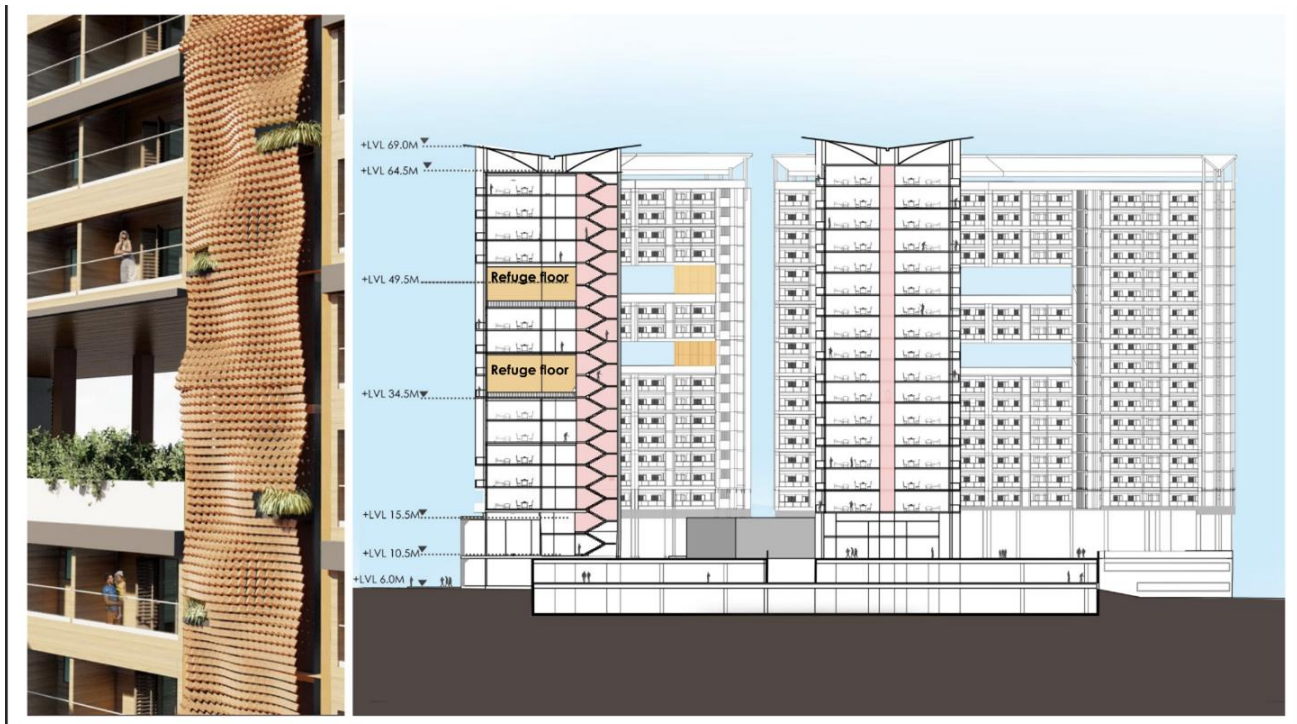
PCERF -VIDHYARTHI AWARDS THIRD WINNER.



PCERF -VIDHYARTHI AWARDS THIRD WINNER.



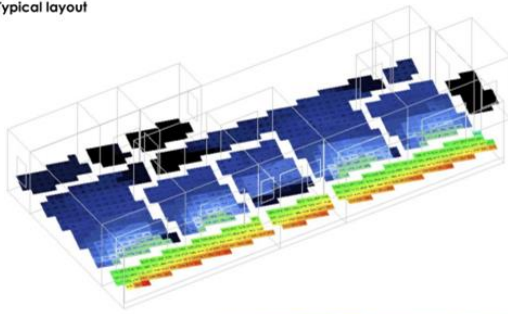
Cluster plans



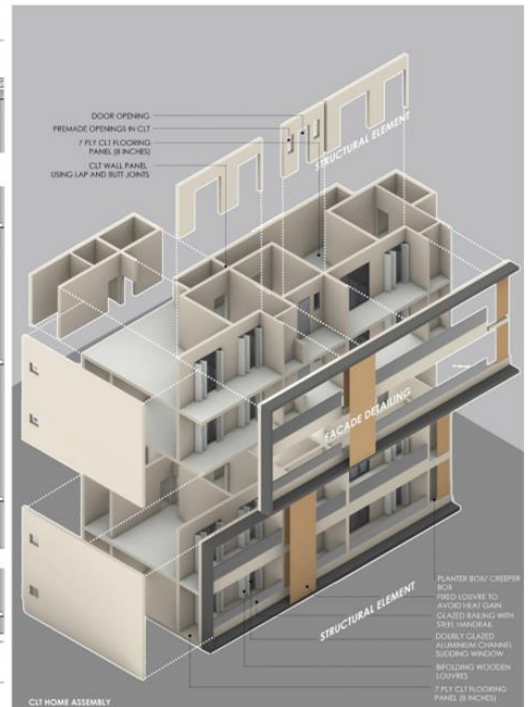
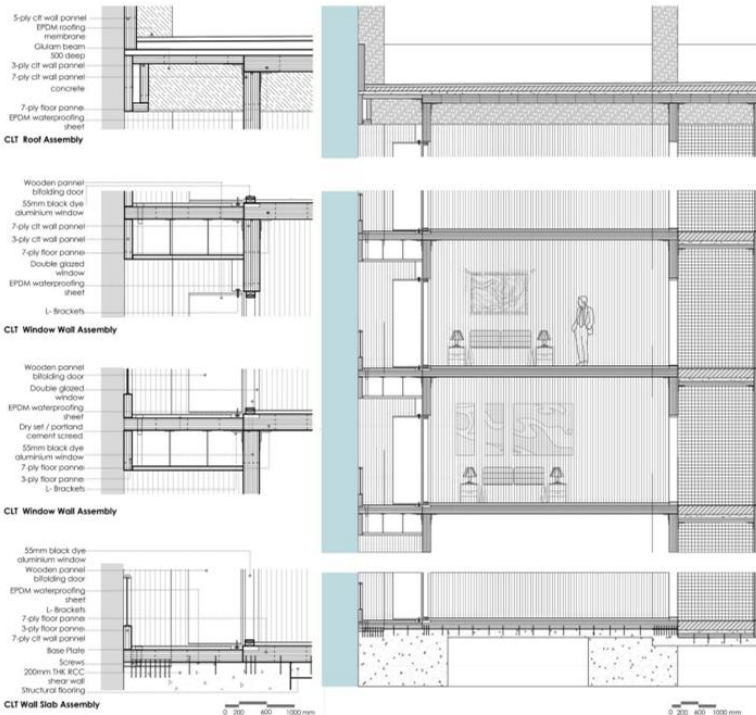
PCERF -VIDHYARTHI AWARDS THIRD WINNER.



Typical layout

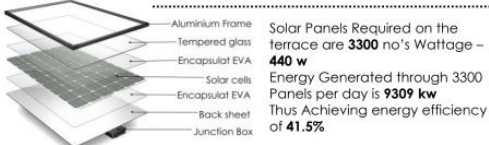


Day light analysis of a 3bkh tenement



PCERF -VIDHYARTHI AWARDS THIRD WINNER.

Solar Energy Calculation



U-value

Sr No	Material	Thickness	Thermal Co	R=T/K
	CLT		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 Fibre 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



PCERF -VIDHYARTHI AWARDS THIRD WINNER.

Photographs



CERTIFICATE



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.



Design for LiFE:
 S M L Solutions for a Sustainable Tomorrow

17th
IGBC
 Green Design Competition

Last day to submit:
31st July 2023

<https://ethosempowers.com/ideace/events/IGBC2023>

DAIKIN

? **ethos** !!
 www.ethosempowers.com

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

MULA-RAM NADI CONFLUENCE ZONE

THE SITE IS LOCATED BETWEEN THE SERENITY OF URBAN PROJECTS IN BANER, PUNE HAVING A MAJOR ACCESS TO THE MULA-RAM NADI CONFLUENCE ZONE WITHIN THE RADIUS OF 500 SQ.M. THE SITE HAS TWO APPROACH ROADS, ONE MAIN ROAD AND ONE BRANCHED ROAD.

THE VERTICAL ANALYSIS OF THE BUILT FORM, HELPING EVALUATE AND ANALYZE THE MOVEMENT OF SUN, WIND DIRECTION, NOISE LEVELS ETC. CONCLUSION LEADING TO PROVIDING SUSTAINABLE RECYCLE MATERIALS ON THE FACADE AND CEILING AND CREATING A MULTIFUNCTION DESIGN CATERING TO THE CLIMATIC REQUIREMENTS.

TAKING INSPIRATION FROM THE LOCAL WADA ARCHITECTURE

FOLLOWING THE GRID AND MASSING THE SPACES

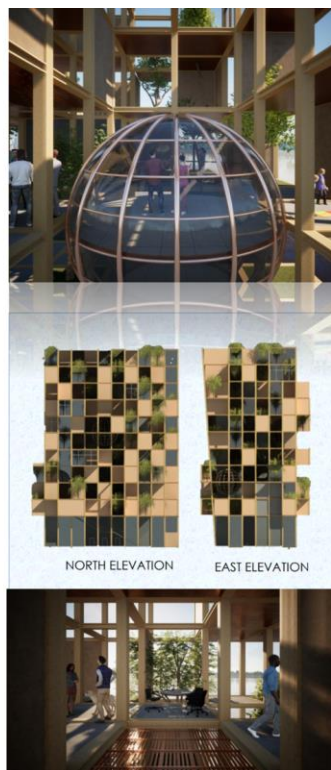
CREATING A VERTICAL MASS OUT OF THE FORM

PROVIDING FUNCTIONALITY IN DIFFERENT SPACES

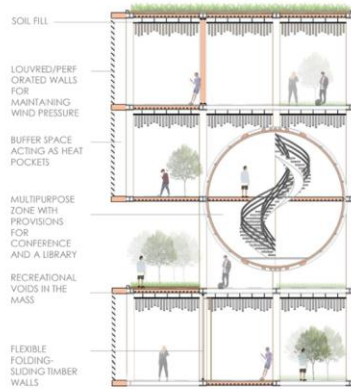
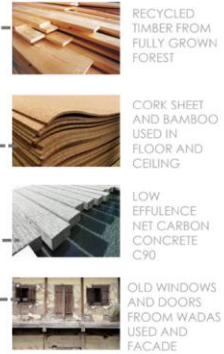
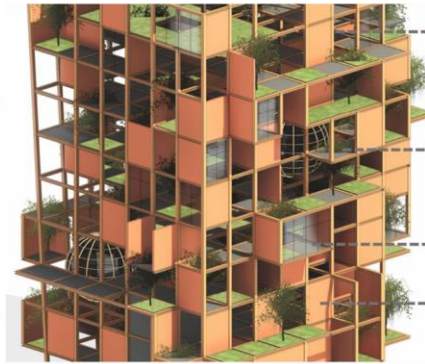
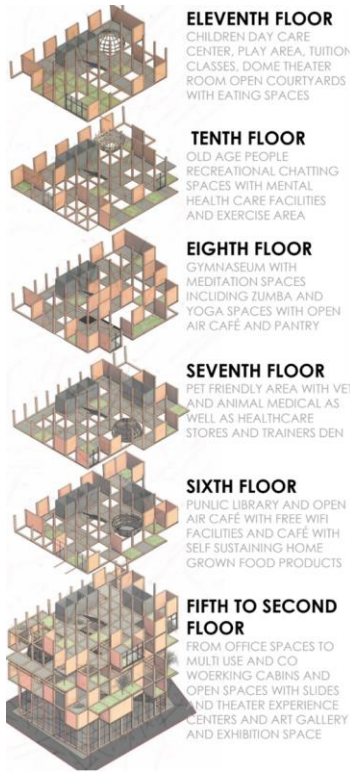
THE FACADE HAS A VERY INNOVATIVE AND UNIQUE DESIGN WHICH IS A DERIVATIVE OF A RECYCLED MATERIAL AND ALSO SERVES MULTIPLE PURPOSES WHICH ALSO ALLOWS FLEXIBILITY FOR THE USERS AND HAS PROVISIONS FOR COMFORTABLE LIGHTING AND VENTILATION.

PRESSURIZED CHANNELS BETWEEN THE WALLS SERVING AS VENTILATORS.

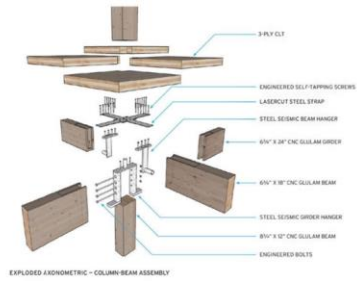
- 1. PRESERVE**
FOLLOWING THE SITE'S EXISTING PROFILE AND CONTOUR, MAKING GRID COLUMNS AT SOME ANGLE WITH RESPONSE TO THE TREATMENT OF SOUTH LIGHT
- 2. BEAM GRID**
AFTER MAKING THE COLUMN GRID, CONTINUE WITH THE BEAM GRID TO GIVE A SENSE OF MULTI DIMENSIONAL SPACE AND CATERING TO THE CONCEPT
- 3. SUPPORT CORES**
INSERTING CORE MEMBERS ON DIFFERENT LEVELS AND MASSES OF SPHERES WHICH SERVES AS A PURPOSE OF MULTI FUNCTIONAL INTIMATE SPACE AND CORE FOR ACCESSIBILITY AND SUPPORT
- 4. LEVELS**
ADDING FLOORS TO THE 3 DIMENSIONAL GRID ON DIFFERENT LEVELS WITH DIFFERENT LAYOUT DEPENDING ON THE USE OF THE FLOOR AND COMFORT OF THE SPACE
- 5. FACADE**
INSERTING BLOCKS OF WALLS CONSISTING OF TWO TYPES WHICH ARE FOLDABLE WALLS AND SLIDING WALLS GIVING FLEXIBILITY TO MANIPULATE THE STRUCTURE INTERNALLY AND EXTERNALLY



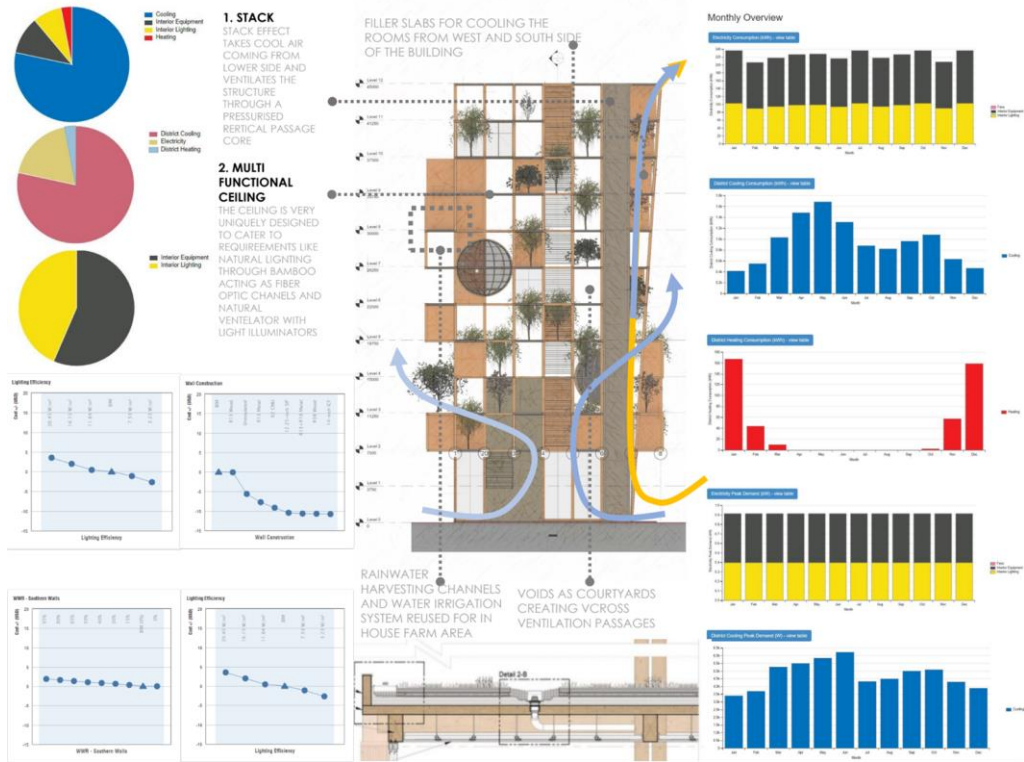
IGBC 2023 WINNER- M Category



PART SECTION SHOWING DETAILS



IGBC 2023 WINNER- M Category



IGBC 2023 WINNER- M Category



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



Archmello Competitions Presents

THE HIGHNESS

A Challenge To Design An Innovative Hotel

Registration Dates - 11TH July to 10TH Nov - 2023

To participate visit - www.archmello.com

Total Prize Worth INR 1,75,000 + 15 Honorable Mentions

Photo Credits - Grand Beach Ho

STUDENTS PARTICIPATED

TEJAS JAMDAR , VIRAJ DESHMUKH , MAYUR PANDE

ARCHMELLO HIGHNESS- HONOURABLE WINNER

Photographs



TEJAS JAMDAR



MAYUR PANDE



VIRAJ DESHMUKH

Students Work

THE CURVE

BENDING THE VISION IN HORIZON

SITE ANALYSIS

Formed for its handicraft, tourism and culture. The site is situated at Lake Pichola and Sajjagar's Moonoon palace in Udaipur Rajasthan. The site experiences hot semi-arid climate with an average temperature of 24 degree celcius to 42 degree celcius and average rainfall of 64 mm. It has contoured land with black Alluvial soil. The site area is 27,697 sq. m. Site has one approach 6 m wide Road Road on North West direction.

CONCEPT

The concept behind (Name) was a collective one pulling the values and ideas from culture, nature and functionality of spaces we imagined the hotel starting with the form and flowing water representing an abstract version of Stepwells where the flowing water creates natural harmony while complementing the solidary staircase.

The structure of vertical slits, jali walls, and alternating balconies which not only reflect culture of Udaipur but shows the functional decisions taken to enhance the experience while being the part of the process of our design

FORM DEVELOPMENT

The form draws inspiration from the delightful shapes of the city all while understanding the climatic needs of the site. Firstly, a simple cuboidal form is imagined as per the required size. Secondly, setbacks floors were generated giving the form a stepped fashion, which drew inspiration from the hills around and also helped the building, adapt better to the sun. Thirdly, the entire form was bent in a defined curve allowing the wind to pass through the building, also giving a softness to the form as if flowing into the natural around.

KINETIC FACADE DETAILS

Water body on the roof for passive cooling

KINETIC FACADE IS A MOVING EXTERIOR SKIN OF A BUILDING WHICH ADJUSTS ITSELF TO PROVIDE MAXIMUM SHADING FROM THE SUN USING LIGHT AND HEAT SENSORS. IT IS A MODERN TECHNOLOGY WHICH IS APPLIED SUITABLE IN A PLACE LIKE RAJASTHAN WHICH HAS HOT CLIMATE.

Internal corridor leading towards guest room

Alternating balcony representing Udaipur Context

TEAM CODE - HH22E6169

FLOOR	A	B	C
G	1	4	1
G1	11	1	2
G2	11	1	2
G3	11	1	2
G4	11	1	2
G5	11	1	2
G6	11	1	2
TOTAL	66	20	12

LEGEND

- TYPE A ROOMS
- TYPE B ROOMS
- TYPE C ROOMS
- TOILETS
- CORRIDOR
- TERRACE
- VERTICAL CONNECTION

TYPICAL FLOOR PLAN (TYPE B-C)

TYPICAL FLOOR PLAN (TYPE A-C)

AXONOMETRIC VIEW

SPA, DELUXE ROOM FLOOR, MULTIPURPOSE HALL, KITCHEN, RESTAURANT, BANQUET HALL, PARTY LAWN, RESTAURANT, MAIN ENTRY, PARKING, SWIMMING POOL, BAR, STANDARD ROOM FLOOR, TOILETS, EXTERNAL STAIRCASE, CAFETERIA, STEEL STANCHION, RAMP DOWN, DRIVEWAY, RAMP UP, SHEAR WALL

BASEMENT FLOOR PLAN

ARCHMELLO HIGHNESS- HONOURABLE WINNER

CERTIFICATE

Certificate of Achievement

This Certificate Is Proudly Presented To,

Tejas Jamdar

(Team Code - HH22E6169)

*For Securing Honorable Mention In The International
Architecture Competition "The Highness - A Challenge
To Design An Innovative Hotel" Hosted By Archmello*

Date

18/01/2024

Jury

Ajay Sonar
a for architecture



Certificate of Achievement

This Certificate Is Proudly Presented To,

Viraj Deshmukh

(Team Code - HH22E6169)

*For Securing Honorable Mention In The International
Architecture Competition "The Highness - A Challenge
To Design An Innovative Hotel" Hosted By Archmello*

Date

18/01/2024

Jury

Ajay Sonar
a for architecture



ARCHMELLO HIGHNESS- HONOURABLE WINNER

CERTIFICATE

Certificate of Achievement

This Certificate Is Proudly Presented To,

Mayur Pande

(Team Code - HH22E6169)

*For Securing Honorable Mention In The International
Architecture Competition "The Highness - A Challenge
To Design An Innovative Hotel" Hosted By Archmello*

Date

18/01/2024



Jury

*Ajay Sonar
a for architecture*



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 cohesively.

Architecture Competition for undergraduate students
 2100 \$ Total Prize + Internship opportunity Freelance / Full time
Redesigning the Badami Archaeological Museum / An insert into the History.

Submission deadline: 9th Oct. 2023 | Finale: 27th Oct. 2023

FREE REGISTRATION

**THE
DRAWING
BOARD** 2023
 www.thedrawingboard.in
 8th EDITION



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

Architecture Competition for undergraduate students
2100 \$ Total Prize +Internship opportunity Freelance / Full time
Redesigning the Badami Archaeological Museum / An insert into the History.

Submission deadline: 9th Oct. 2023 | Finale: 27th Oct. 2023

FREE REGISTRATION

**THE
DRAWING
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8th EDITION



THE DRAWING BOARD - SPECIAL MENTION

Photographs



MAYUR PANDE



VAISHNAVI MAGDUM



ANSH KADAM

THE DRAWING BOARD - SPECIAL MENTION

NAKSHATRA A JOURNEY TO RELIVE THE HISTORY

HERITAGE JOURNEY **CENTRAL LANDSCAPE** **SUBTERRANEAN SPACE** **TRADITIONAL REFLECTION**

The town of Badami is nestled in a rugged and rocky landscape. It is situated in a gorge between two rugged sandstone hills. These hills not only provide a dramatic backdrop to the town but also house the famous cave temples.

(c. 543-566 CE):
Pulakeshin I (c. 543-566 CE): Pulakeshin I is considered the founder of the Chalukya dynasty. He expanded the dynasty's territory and laid the foundation for their rule.

(c. 610-642 CE):
Pulakeshin II was one of the most famous Chalukya rulers. He expanded the Chalukya Empire to its zenith. He is also known for patronizing art and literature, and the famous Badami Cave Temples were built during his reign.

(c. 655-680 CE):
Vikramaditya I, the son of Pulakeshin II, continued his father's legacy and expanded the Chalukya Empire further. He was known for his military campaigns and patronage of art and culture.

(c. 696-733 CE):
Vinayaditya (c. 696-733 CE): Vinayaditya succeeded Vikramaditya I and was known for his administrative reforms and contributions to

(c. 733-746 CE)
Vikramaditya II was a powerful ruler who extended the Chalukya Empire's influence into northern India. He is also known for his

(c. 746-753 CE):
Kirtivarman II succeeded Vikramaditya II and faced invasions from the Pallava dynasty. His reign marked a decline in the Chalukya Empire's power.

Traditional Chalukyan Architecture

Rock cut cave made us think for craftsman pavillion in the site, to empower community.

MASTER PLANNING

#1322

ROCKCUT CREVICES
a grand alley welcomes through its intricate facade

OPEN AIR THEATRE
set at the top of the museum overlooking the Agasthya lake

NAKSHATRA MUSEUM
a heritage journey through artifacts, unravelling the secrets of ancient civilizations.

CAVE CAFÉ
centered community space at the core of the site which inherent tranquility

CRAFTSMAN PAVILLION
to empower the weavers community and displaying handloom ilkal saree

WATER FRONT
to celebrate festivals along side the water front

PARKING
provided along side the café retreat

RECREATIONAL OPEN SPACE
Interaction spaces for tourists at the lake and surrounding all at once

THE DRAWING BOARD - SPECIAL MENTION



THE DRAWING BOARD - SPECIAL MENTION

CERTIFICATE



THE DRAWING BOARD- TOP 10

Photographs



SANJANA KOTECHA

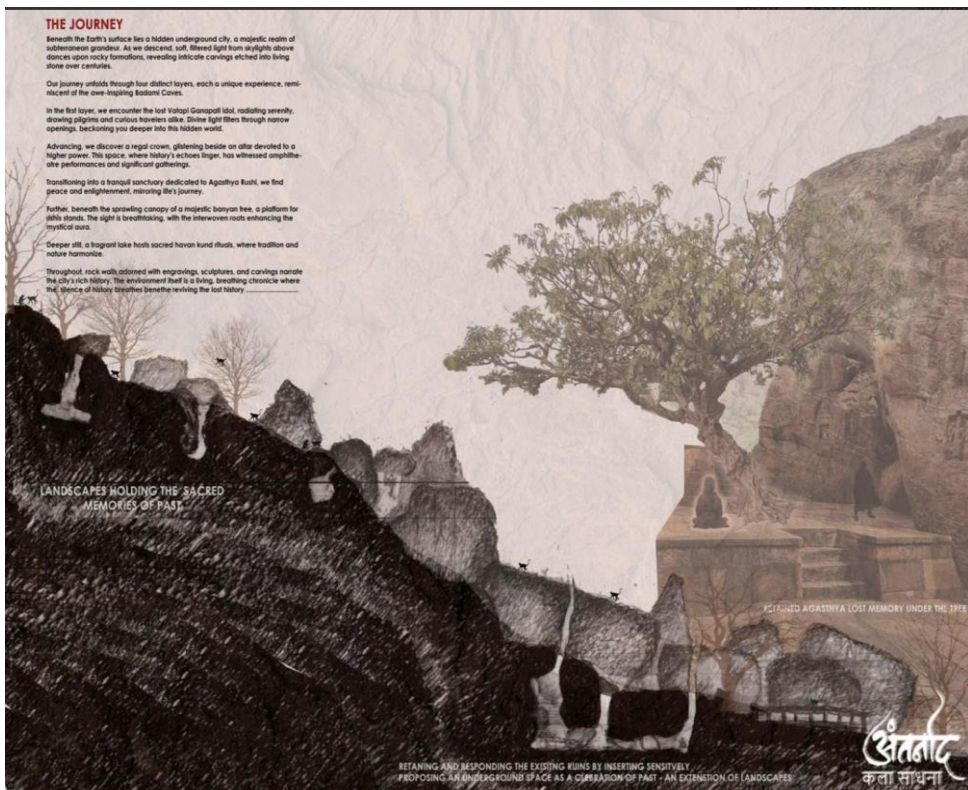


OMKAR GODSE

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



VZTH235731433

EMBRACE YOUR ROOTS, NURTURE THE EARTH

Our emphasis on a visionary quest to redefine the essence of sustainable living. This architectural masterpiece, showcasing green urban village of space, water and air, is designed with an innovative spirit and minimal environmental impact of its core. Our rich cultural roots in a specific habitat, meticulously engineered to be sensitive to harmony with natural ecosystem - universal model for the building solutions in the nurturing earth, is superimposed in the frontal embrace of trees. Central to Ghara Philosophy is the pioneering of bio-mediated technologies.

These systems are adept at purifying and revitalizing the surrounding natural elements, thereby actively participating in environmental restoration. Our stands as a beacon of balance, seamlessly merging human habitation with ecological consciousness. Moreover, Ghara is an ode to the profound human yearning to connect without edges, its a structure that encourages its dwellers to delve into introspection, to redefine their bond with nature, and to celebrate the essence of home beyond traditional confines. Every aspect of Ghara - from its adaptive design to its premium finishes - resonates with the philosophy of living in harmony with nature, fostering deep, grounding connection to the earth, and nurturing the soul in its natural sanctuary.

ADAPTATION

FLOOR PLANS: GROUND FLOOR PLAN, MEZZANINE FLOOR PLAN

DETAILS:

- Roof with photovoltaic solar panels
- Linear roof as a retreat space or used for firing or viewing deck
- 100 mm thick wooden bedroom floor
- 100 mm thick movable floor with rollers connected between bamboo beam grid and upper level floor
- 25 mm thick cork sheet
- 25 mm thick solid wood panels
- 75 mm x 50 mm timber barrier as supporting columns for the internal wall shell
- Leaking bamboo joint
- 75 mm dia bamboo + core panel with multiple functionality
- External recycled well fabric shade for sun protection and good ventilation
- Vertical air bio-mediated ventilation
- 1000 mm height kitchen cupboard fit with varnished wood finish
- Reused 50mm x 75mm thick wooden battens
- Recycled Wooden Deck 50mm thick waterproofing layer
- Bottom underneath the deck (for bio-mediated)

PHOTOGRAPHS: Interior view of a room with a white chair and a view of the outdoors; another interior view showing a dining table and chairs.

TINY HOUSE - TOP 50

CERTIFICATE



TINY HOUSE - TOP 50

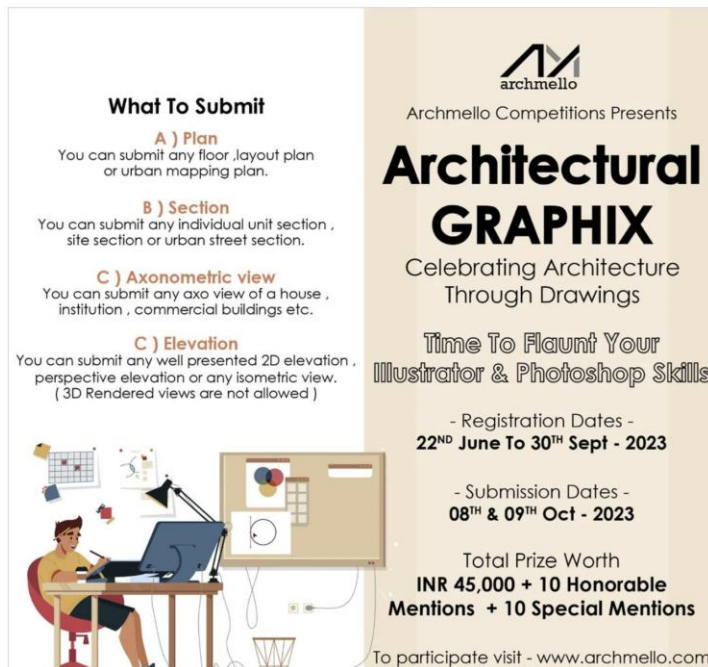
CERTIFICATE



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



What To Submit

A) Plan
You can submit any floor ,layout plan or urban mapping plan.

B) Section
You can submit any individual unit section , site section or urban street section.

C) Axonometric view
You can submit any axo view of a house , institution , commercial buildings etc.

C) Elevation
You can submit any well presented 2D elevation , perspective elevation or any isometric view. (3D Rendered views are not allowed)

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Archmello Competitions Presents

Architectural GRAPHIX

Celebrating Architecture Through Drawings

Time To Flaunt Your Illustrator & Photoshop Skills

- Registration Dates -
22ND June To 30TH Sept - 2023

- Submission Dates -
08TH & 09TH Oct - 2023

Total Prize Worth
INR 45,000 + 10 Honorable Mentions + 10 Special Mentions

To participate visit - www.archmello.com

STUDENTS PARTICIPATED

AMAY RAHI, NIPUN AGRAWAL
AMAY RAATHI, URJA LADDHA

ARCHITECTURAL GRAPHIX - HONOURABLE WINNER

Photographs

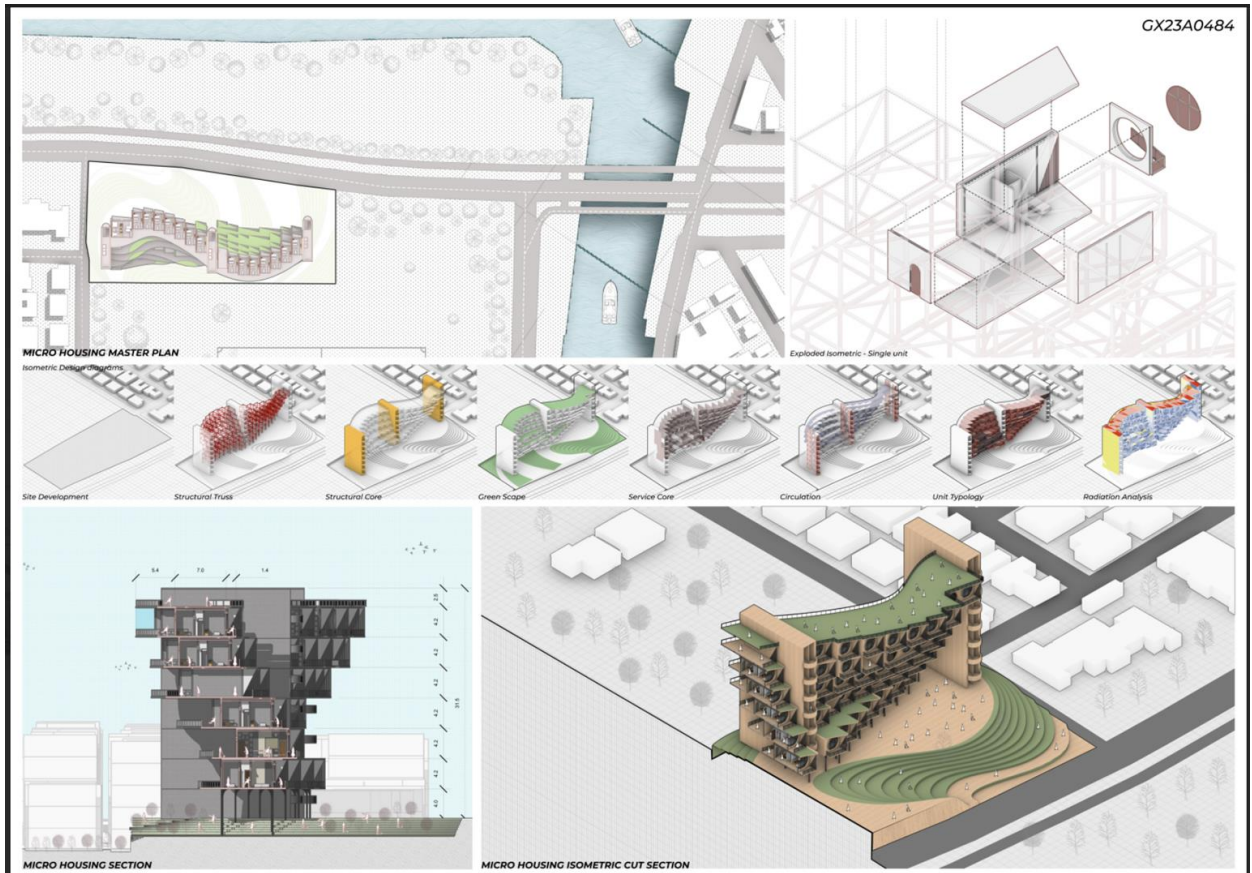


AMAY



NIPUN

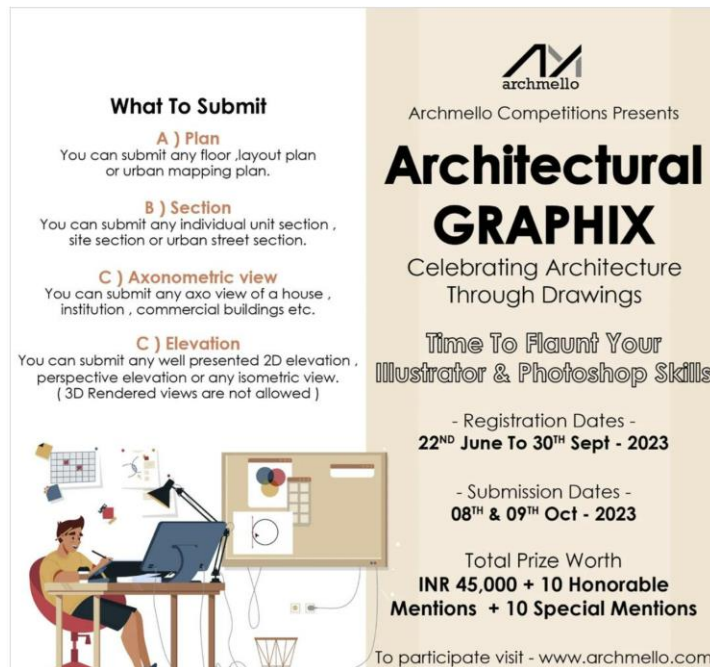
Students Work



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



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Archmello Competitions Presents

Architectural GRAPHIX

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STUDENTS PARTICIPATED

AMAY , URJA

ARCHITECTURAL GRAPHIX - SECOND WINNER

Photographs

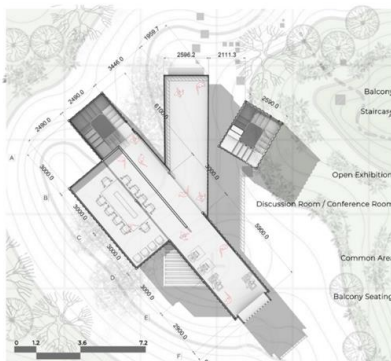


AMAY RATHI



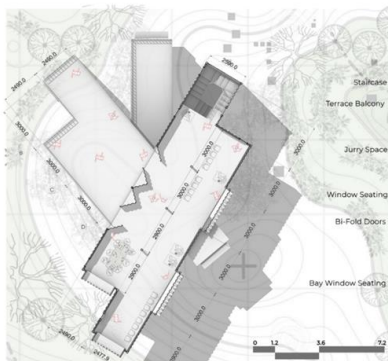
URJA LADDHA

Students Work

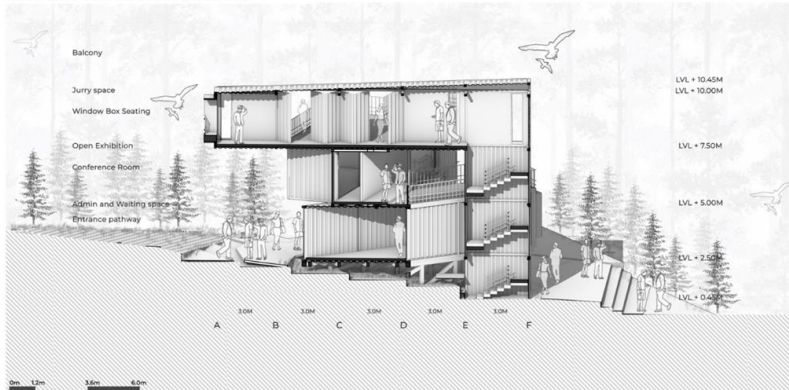


FIRST FLOOR PLAN @ 5.5M

The architectural plan features dynamic angles, introducing volumetric interest. Thoughtful cutouts and openings establish connections between students, common areas, and nature, alleviating jury-related stress. A grid system enhances construction modularity and ease.



SECOND FLOOR PLAN @ 8.0M



SECTION AA

The section illustrates vertical circulation, facilitating connectivity between common, green, and recreational spaces, promoting dynamism through volumes and cutouts. It highlights inter-floor connectivity. Different angles are used to create double and triple height volumes and to enhance spatial perception and encourage confident presentation and interaction, fostering a holistic user experience.



An innovative axonometric view of a jury space designed using shipping containers, artfully exploring diverse angles and volumes, nestled within a serene forest setting, providing an escape from the daily hustle with a touch of modernity and sustainability.

GRAPHISOFT

Graphisoft: Archicad Design Challenge

The Collaborative Studio is a unique effort to bring Students, Faculty and Practitioners on ONE online platform. This studio focuses on Housing and will additionally guide students in the AD studio with a renowned Architect. The studio also includes a summer course on Archicad where students learn from the mentors, get access to foundation course & advance course.

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

2. Best design Studio Award

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

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

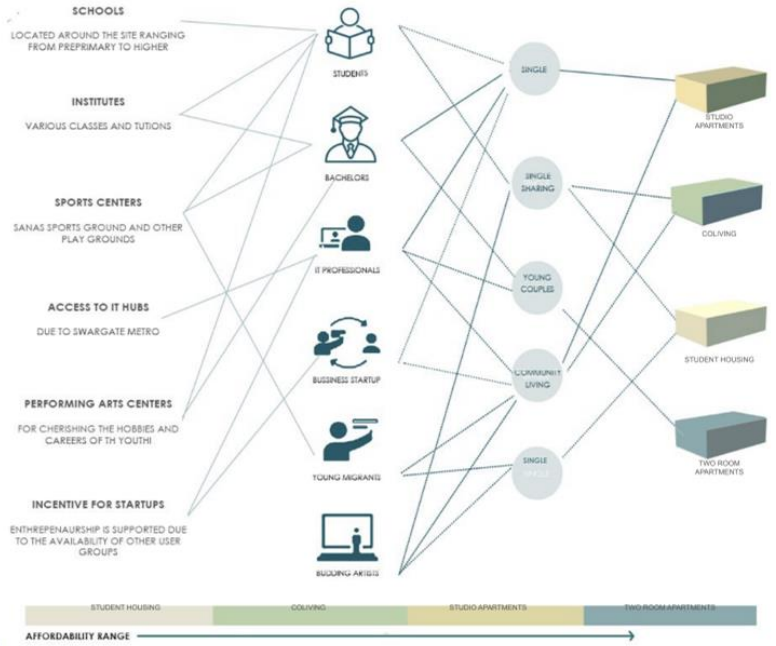
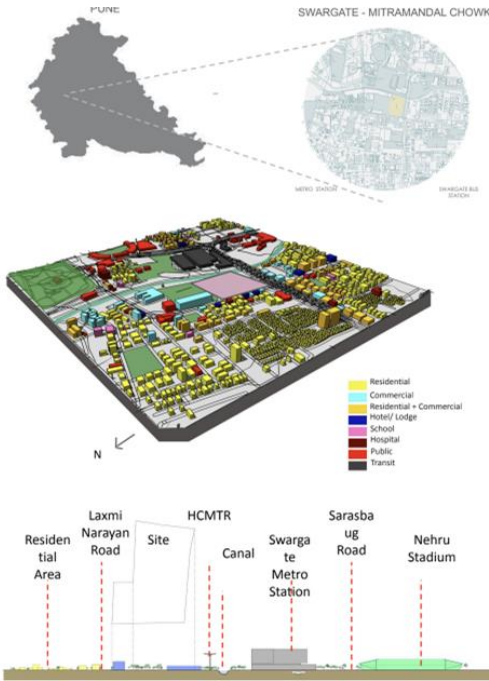


TANVI LOYARE

Students Work



GRAPHISOFT FIRST PRIZE WINNER & BEST STUDIO AWARDS



SITE ANALYSIS AND USER PROFILE

YOUTH HABITAT - A COMMUNITY HUB



Design Program		Site Mitramandal										
Sr. No.	Space Typologies	Non Target Area/Unit	Total Area	Percentage	Units per floor	No. of floor	Car	Factor	Total car	2wheeler	Factor	Total bike
1	Student	120	30	9000	3%	30	30	4	120	30	1	2,5
1.1	8 Room co-living	300	100	10000	33%	2	50	1	40	40	2	2,5
2	6 Room co-living	50	200	10000	35%	3	50	1	40	40	2	40
3	Student	80	50	4000	10%	7.5	10,666,666,667	1	50	50	2	50
4	2 Room Apartment	80	70	6000	14%	4	20	1	30	30	2	30
5	Commercial (10% and max 20%)	80	70	2400	6%	15	4		30			3
			Grand Total	49000	100%				24			24
									2 per 100 SQ.M			24.6 per 100 SQ.M

VERTICAL GARDENS FOR CLEANSING AIR AND PRODUCE

SOLAR PANELS ARRANGED VERTICALLY ALONG THE TALLER TOWER

SHADED PODIUM SPACE HOUSING THE SWIMMING POOL AND OTHER ACTIVITIES THE SHADE KEEPS THE TEMPERATURE MINIMAL

THE FACE FACING THE SOUTH HAS ELONGATED OVERHANGS ACTING AS SUN SHADING AND PLANTER SPACES

ROOMS NOT GIVEN ON SOUTHERN SIDE AND LOBBY SPACE AS THERE ACTING AS BUFFER

STALK VENTILATION

SUN PATH

THE ROOMS LARGER OPENINGS ARE MAXIMISED HERE TOWARDS EAST TO BRING IN EAST SUN

THE COLIVING UNIT PLACED STRATEGICALLY SO THAT THEY GET MAXIMUM FREEDOM. THE STUDENT TOWER CLOSER TO THE ENTRANCE AND COLIVING TOWER IS GIVEN COMMON INTERACTION SPACE. THE FAMILY APARTMENTS ARE GIVEN MAXIMUM PRIVACY AS THE ACCESS IS ONLY THROUGH LIFTS THEY CAN EASILY ACCESS THE AMENITY SPACES

Vertical Garden (Hydroponic) Systems

ALONG THE VERTICAL FACADE OF THE CO-LIVING TOWER THE VERTICAL GARDENS IS LOCATED THIS GIVES AN OPPORTUNITY FOR THE COMMUNITY TOWARDS SELF SUSTAINANCE AND ALSO PURIFIES THE AIR ENTERING REDUCING ARTIFICIAL VENTILATION

SOLAR PANELS ALONG WITH THE GARDENS THE PANELS ARE ALSO SITUATED ALONG THE WALL ON SOUTH SIDE WITH HAVE A MECHANISM TO BECOME HORIZONTAL ACCORDING TO THE SUN'S LOCATION AND FORMAL LIGHT FEATURE DURING NIGHT

KINETIC PAVING

THE COMMUNITY SPACES IN COLIVING AND THE RECREATIONAL SPACE HAS KINETIC PAVING GENERATING ENERGY FOR SMALL SCALE LIGHTS DURING THE NIGHT WHICH ARE BENEFICIAL FOR THOSE SPACES ITSELF

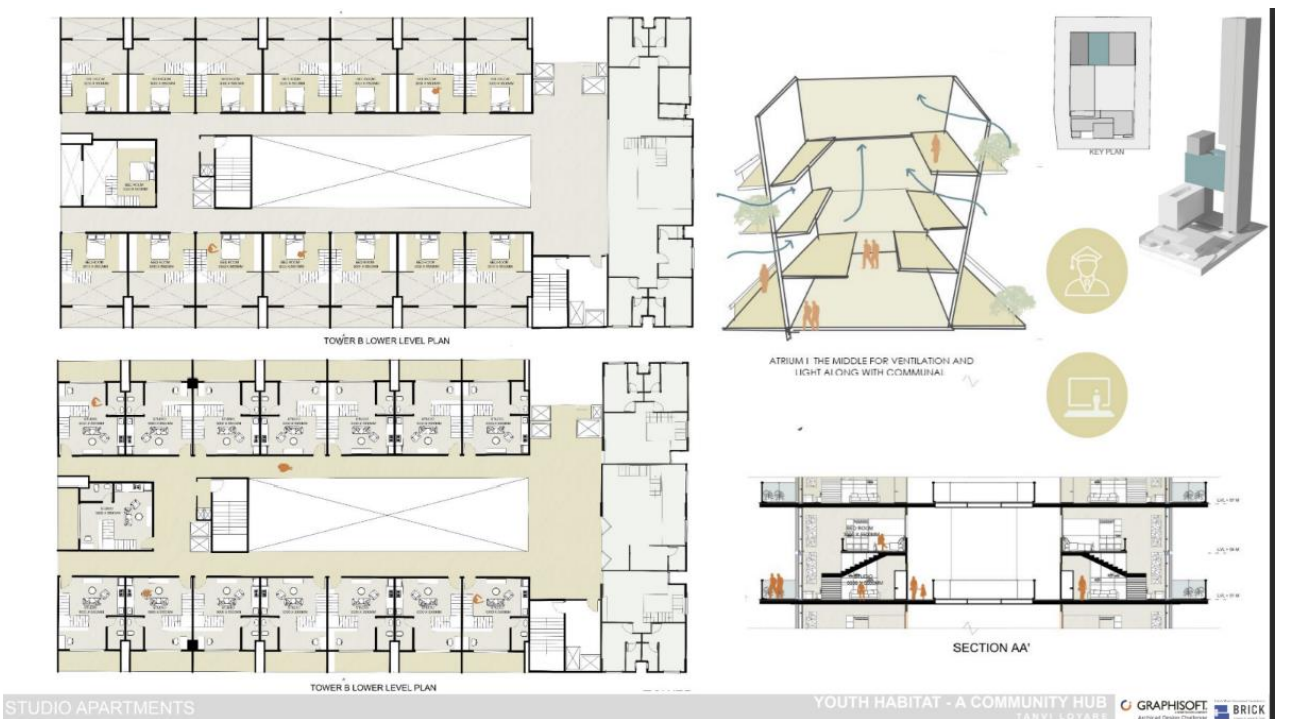
MASTER PLAN

MASTER PLAN, ECOLOGY AND ECONOMY

YOUTH HABITAT - A COMMUNITY HUB



GRAPHISOFT FIRST PRIZE WINNER & BEST STUDIO AWARDS

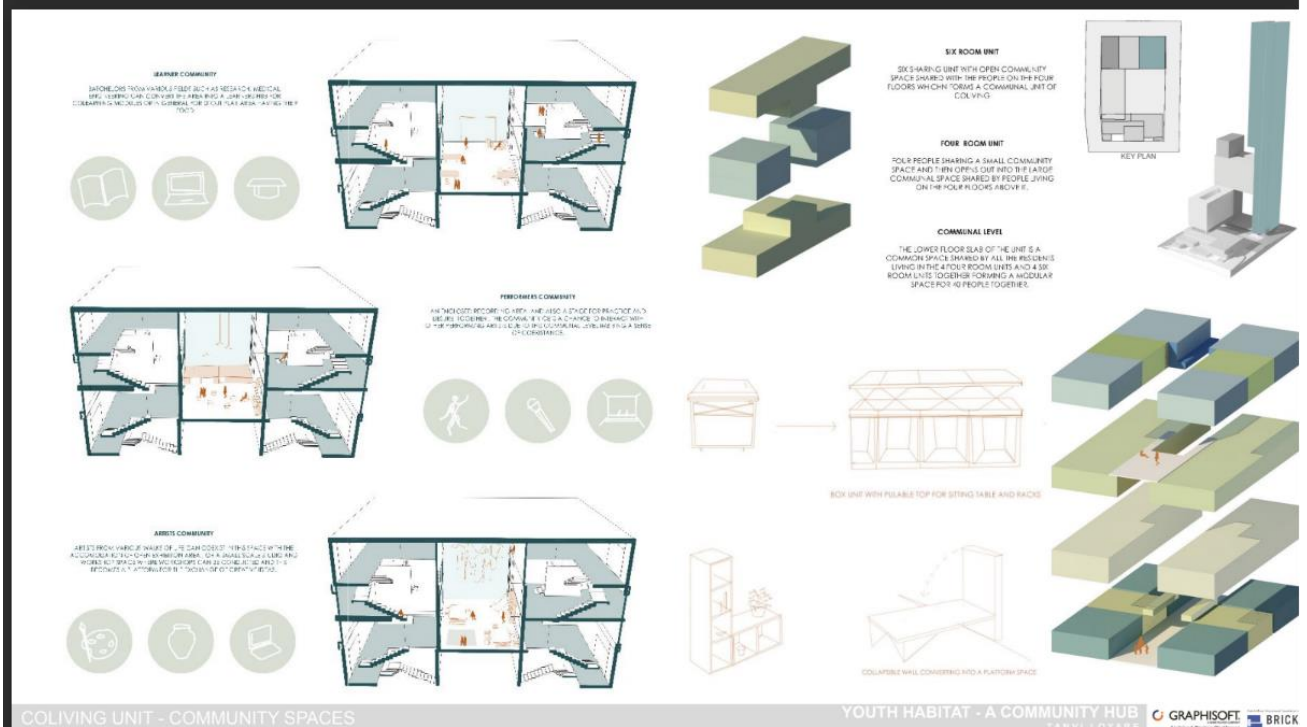


GRAPHISOFT FIRST PRIZE WINNER & BEST STUDIO AWARDS



TWO ROOM APARTMENTS

YOUTH HABITAT - A COMMUNITY HUB



COLIVING UNIT - COMMUNITY SPACES

YOUTH HABITAT - A COMMUNITY HUB



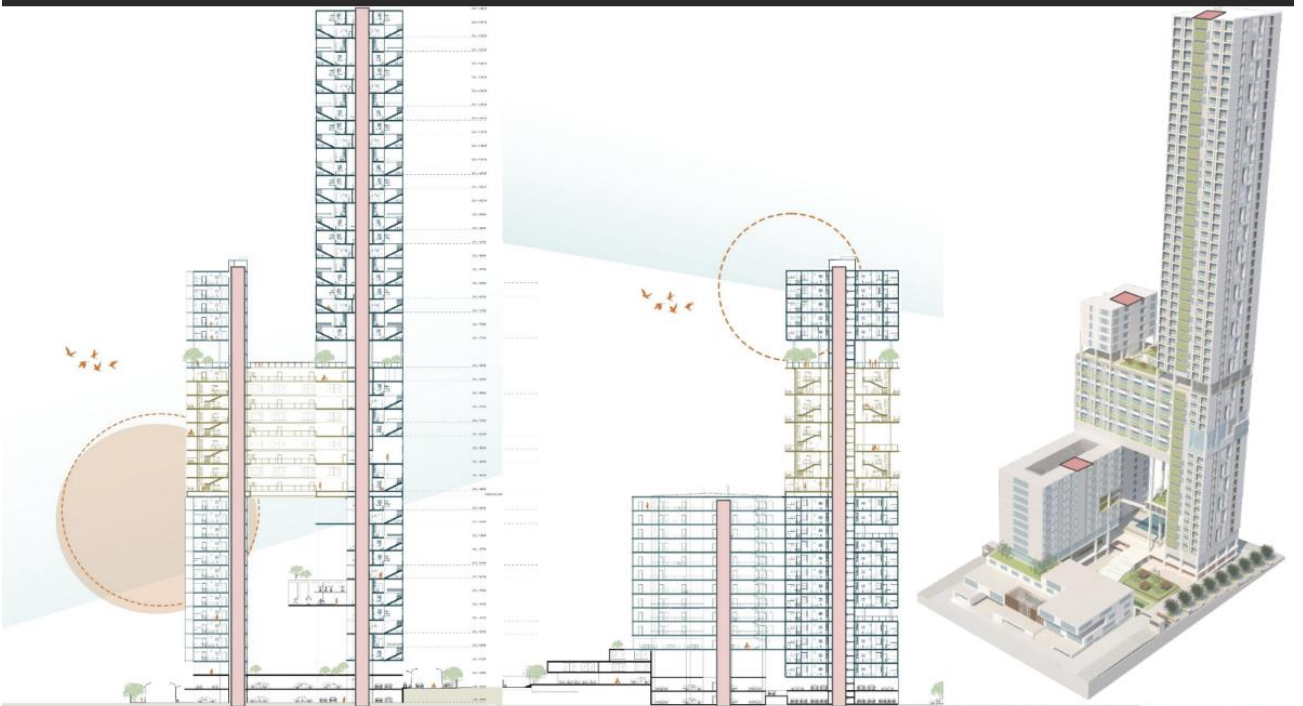
GRAPHISOFT FIRST PRIZE WINNER & BEST STUDIO AWARDS



COLIVING UNIT

YOUTH HABITAT - A COMMUNITY HUB
TANVI LOYARS

GRAPHISOFT
Annual Design Challenge
BRICK

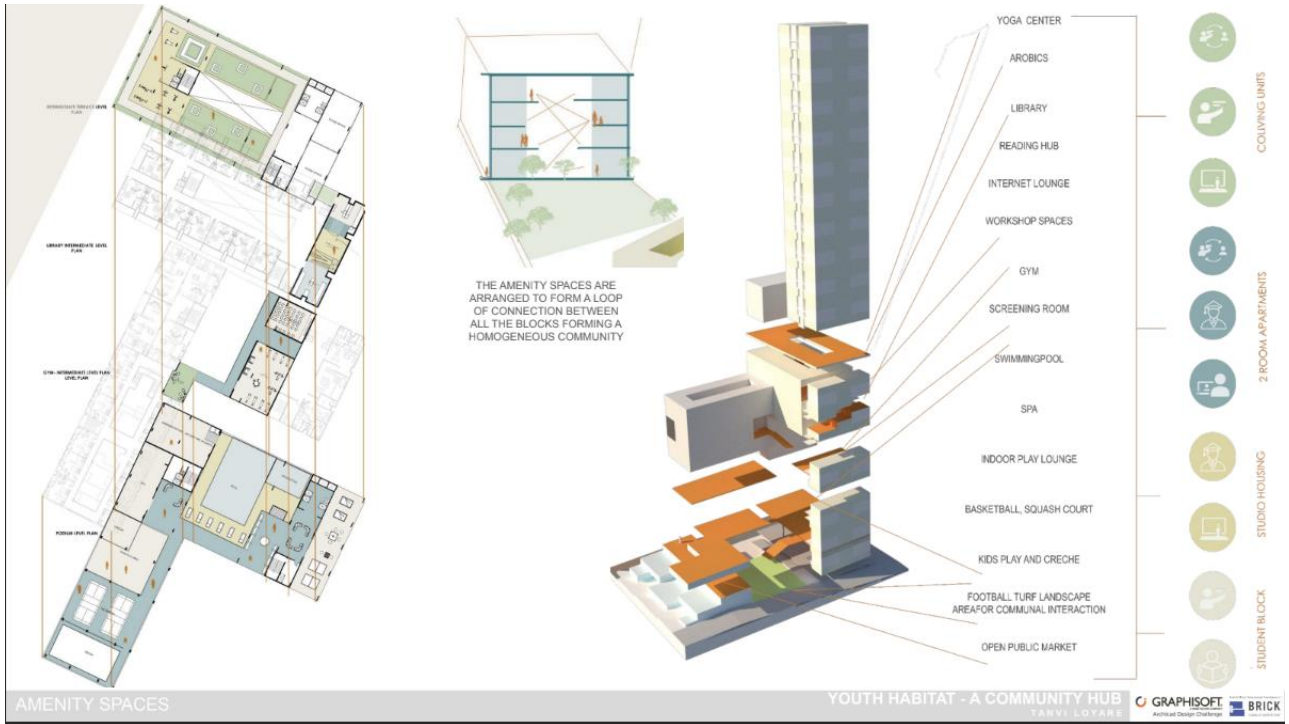


SECTIONS

YOUTH HABITAT - A COMMUNITY HUB
TANVI LOYARS

GRAPHISOFT
Annual Design Challenge
BRICK

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

India's Biggest Architectural
 Competition is Back with its
5th Edition!



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 benefit 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 practices.



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)

Dhruvi 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

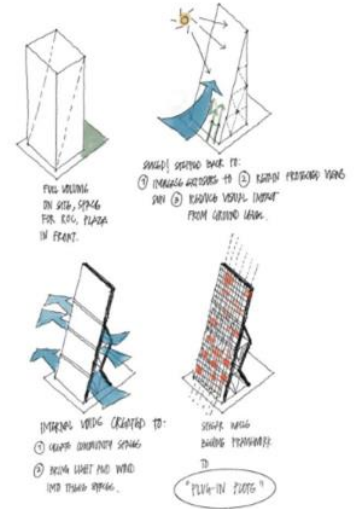
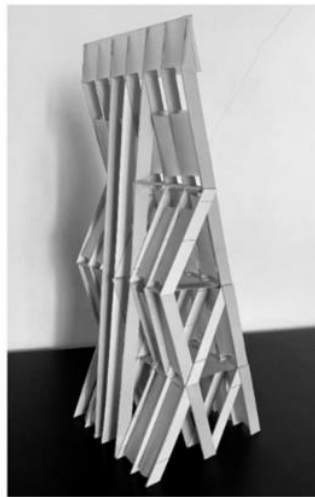
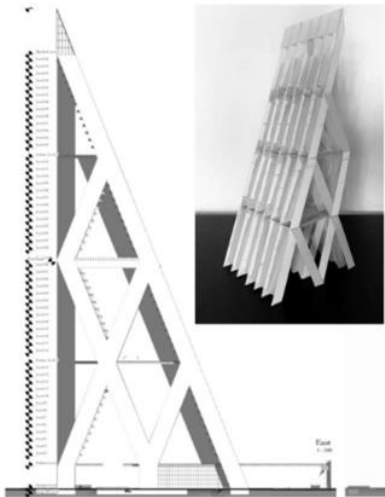


GAURI MAHAJAN



VEDANTI PAWAR

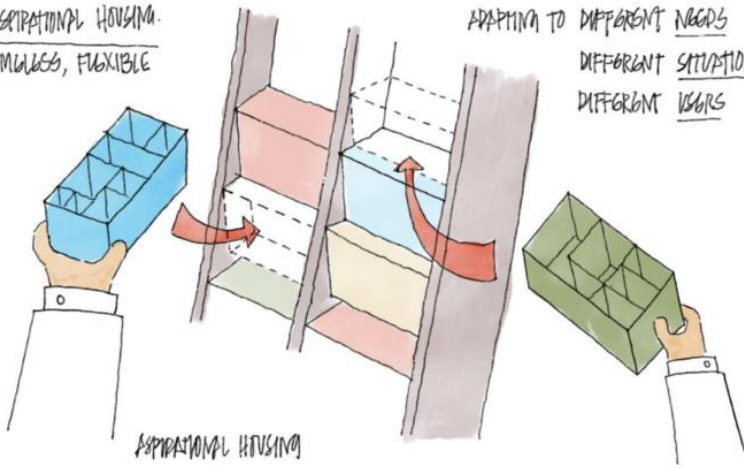
Students Work



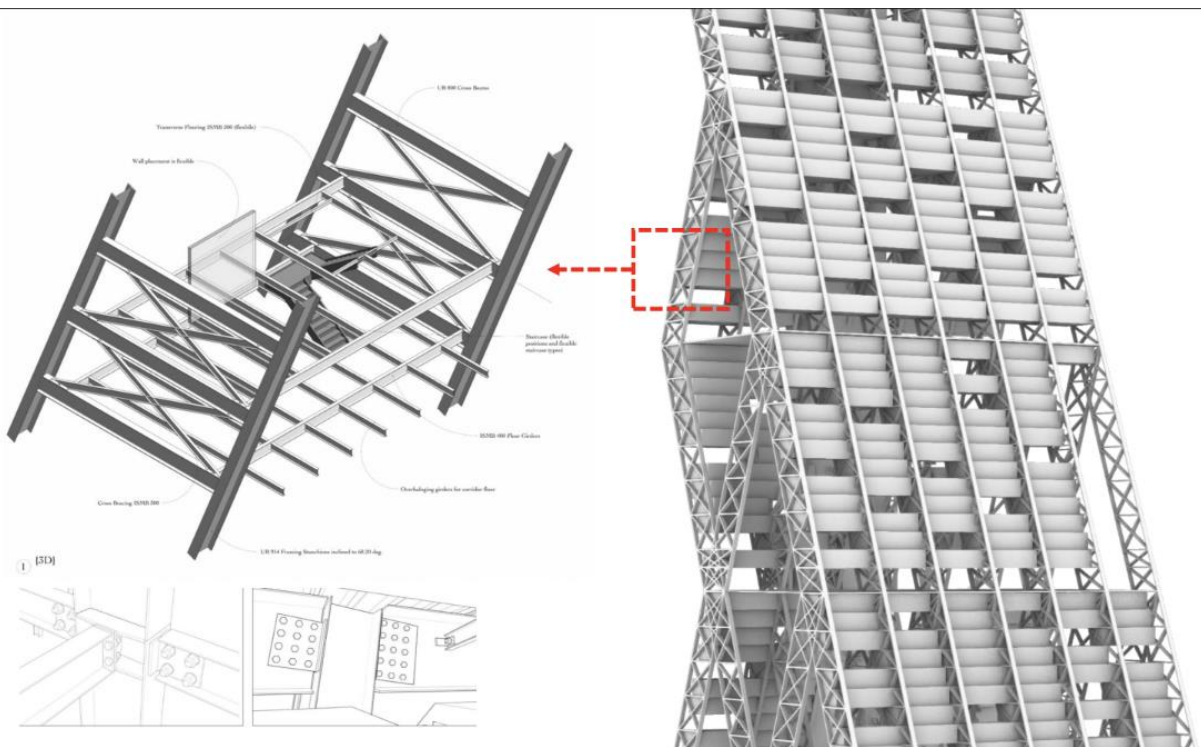
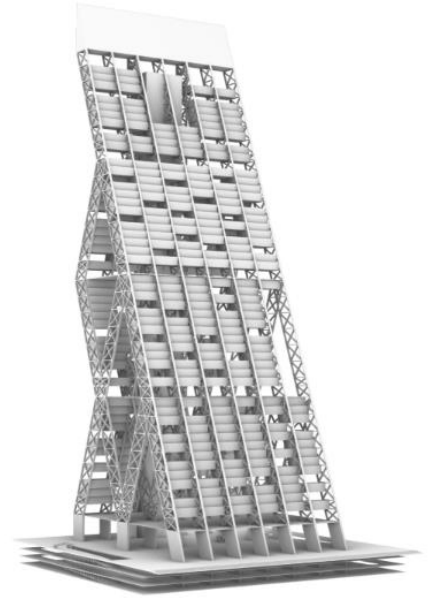
AIS- DESIGN OLYMPIAD

ASPIRATIONAL HOUSING.
TIMELSS, FLEXIBLE

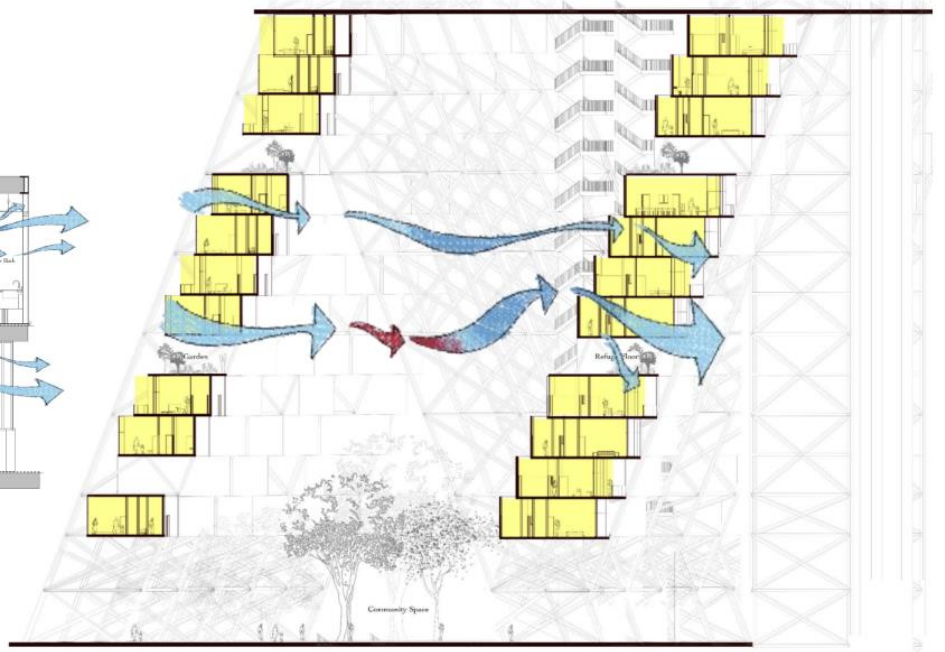
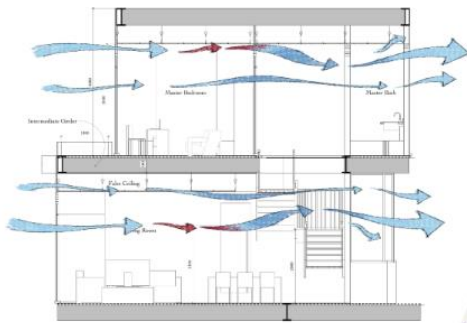
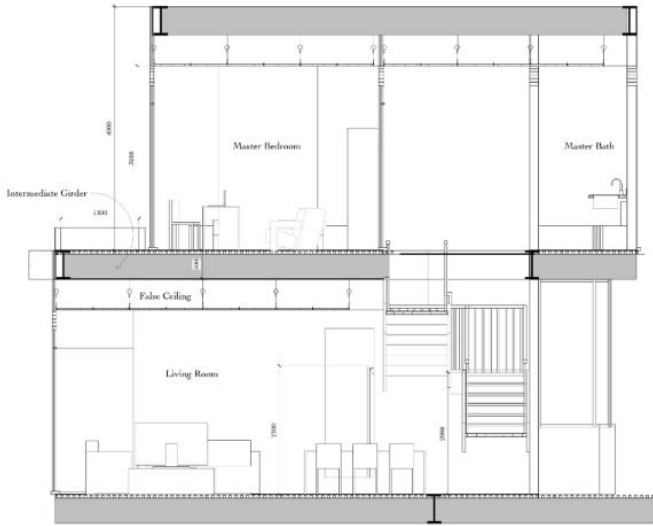
ADAPTING TO DIFFERENT NEEDS
DIFFERENT SITUATIONS
DIFFERENT USERS



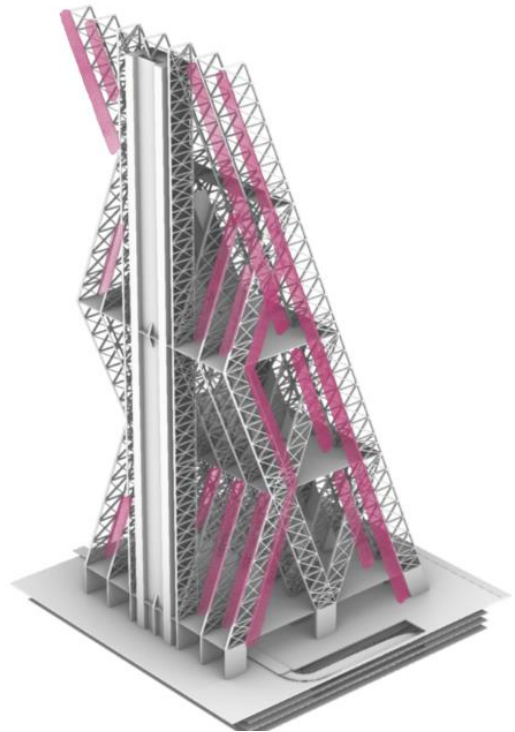
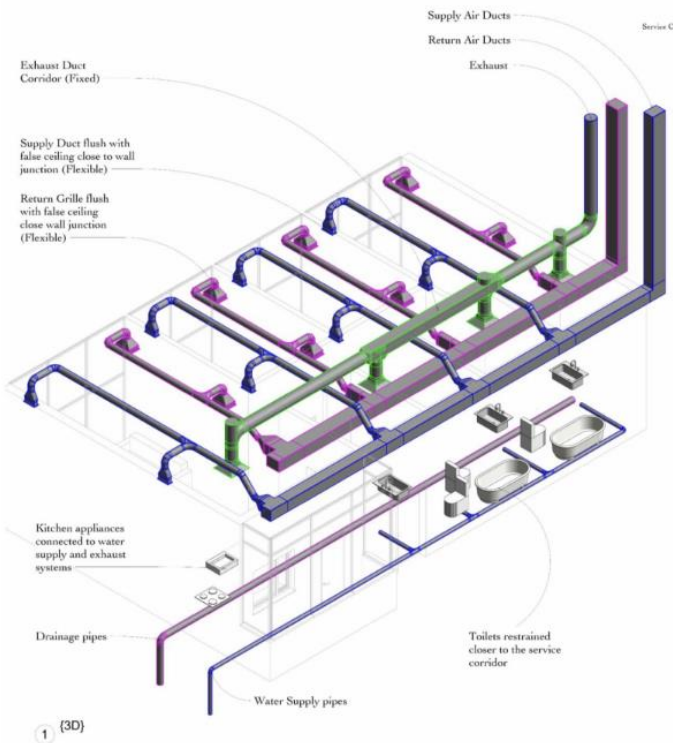
ASPIRATIONAL HOUSING
MEANS FLEXIBILITY in UNIT + COMMUNITY.
ADAPTABILITY



AIS- DESIGN OLYMPIAD

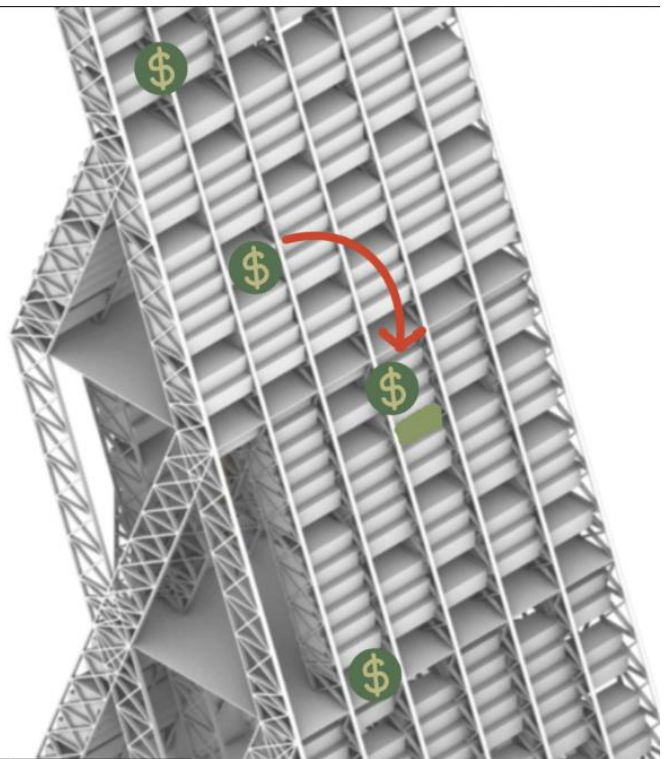


AIS- DESIGN OLYMPIAD



Sustainability through *Optimization*

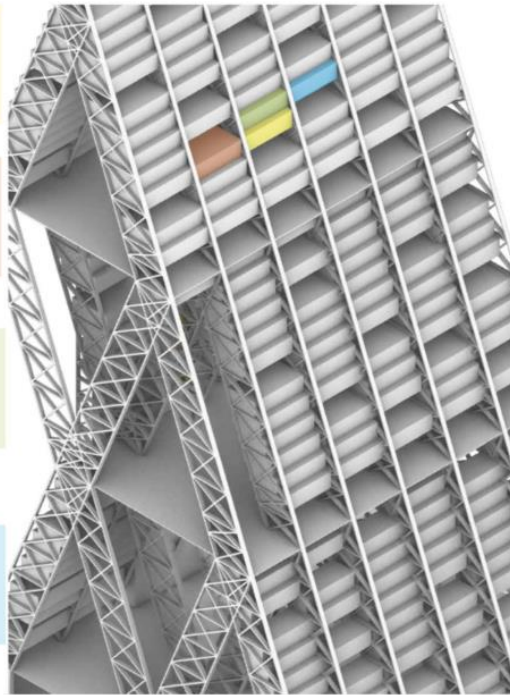
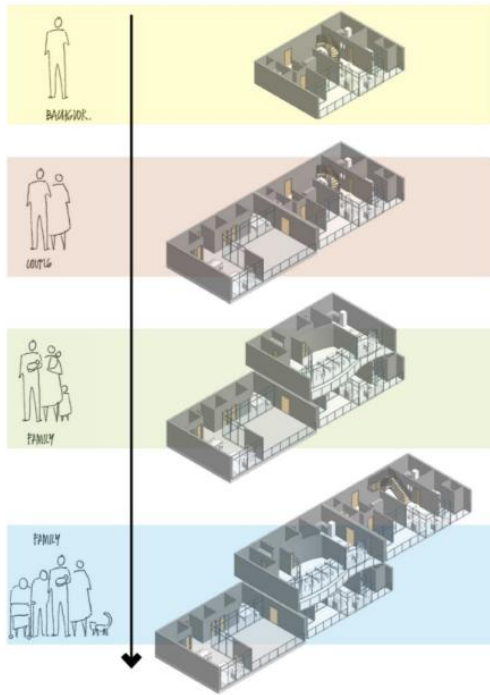
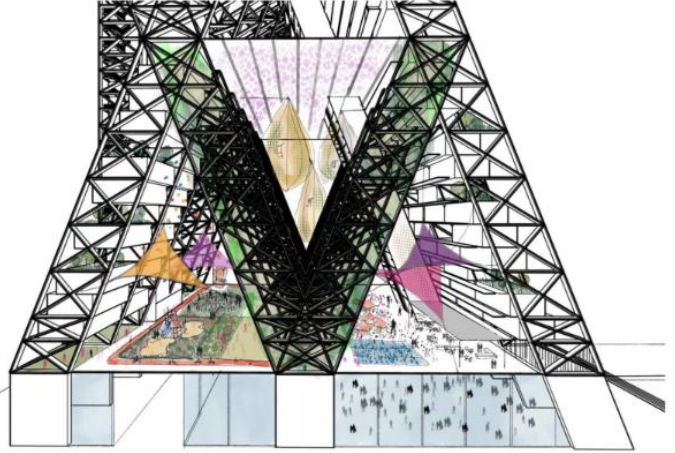
- *Localizing demand for housing*
- *Optimizing available resources*
- *Reduces new construction and urban sprawl*



AIS- DESIGN OLYMPIAD



Zone 1



AIS- DESIGN OLYMPIAD

Photographs



CERTIFICATE



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.

Khanna

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

[Signature]

Ar. Vivek Bhole
Curator, AIS Design Olympiad

[Signature]

Ar. Karl Wadia
Curator, AIS Design Olympiad



AIS- DESIGN OLYMPIAD

CERTIFICATE



AIS- DESIGN OLYMPIAD

CERTIFICATE



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.

Khanna

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

[Signature]

Ar. Vivek Bhole
Curator, AIS Design Olympiad

[Signature]

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)



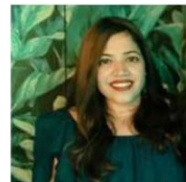
DR. POORVA KESKAR
(PRINCIPAL)



AR. KETAKI PEDNEKAR
(FACULTY LEAD)



AR. VINITA LULLA
(FACULTY ADVISOR)



AR. SHREYA MIRPAGAR
(FACULTY ADVISOR)



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 MESHAM
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)



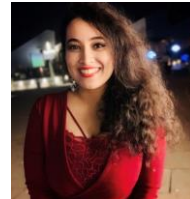
DR. POORVA KESKAR



AR. SHREYA MIRPAGAR



AR. VINITA LULLA
(FACULTY ADVISOR)



AR. KETAKI PEDNEKAR



TEAM SAMARTHAN

