

**PRIYA PATEL**  
ARCHITECTURE PORTFOLIO



## **Priya Patel**

My last 4 years of college were a journey of exploration and discovery, not only of the world around me but also of myself. I devoured knowledge, sought out experience and leaped at opportunities irregardless of the field. All of that eventually led me back to where I started, architecture.

I look forward to acquiring more knowledge and experience in my field through both study and work. As I relish opportunities to showcase my abilities and work, that is what I offer: my passion, dedication and perseverance towards my craft.

# Resume

## CONTACT ME AT

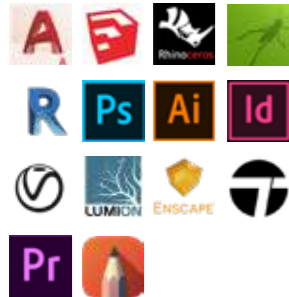
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Lingampalli, Hyderabad,  
Telangana, India

Behance  
www.behance.net/priyapa-  
tel2000

## SOFTWARE SKILLS



## EDUCATION

BACHELOR OF ARCHITECTURE Madhav Institute of Technology and Science, Gwalior	2017 - 2022
SENIOR SCHOOL Vikas -The Concept School, Hyderabad	2015 - 2016
HIGH SCHOOL Holy Cross School, Lashkar, Haridwar	2015 - 2016

## WORK EXPERIENCE

REGIONAL REPRESENTATOR Urban Sketchers Gwalior	2018 - Present
CULTURAL RESEARCHER AND NARRATOR India Lost and Found Researching and narrating lost monuments of India	Dec 2020- Present
ARCHITECTURAL DESIGN INTERN Archie Designers, Hyderabad Worked upon residential designs and working drawings	June - July 2019
GRAPHIC DESIGNER Motwani Arts and Design, Jabalpur Designed Instagram posts and posters for Natural Fresh icecream	March - July 2019

## CERTIFICATION

2019	Sustainable Architecture - NPTEL, IIT Roorkee
2019	Sustainable and affordable sanitation solutions for small towns: Policy, Planning and Practice - NPTEL, IIT Bombay
2020	Urban governance and Development Management - NPTEL, IIT Roorkee

## ACHIEVEMENTS

2021	Headstart TakeOff - Startup idea India's first pre incubation program	Selected among 1000+ entries
2020	Activating Duplitecture (Team) DOCEXDOCE INDIA - International Competition	World Top 30
2020	Rethinking the future of residence IGBC, Indore	Third Prize
2020	Writing Architecture (Team) NASA India	Shortlisted & Published
2019	City Hues, National photography Competi- tion	India Top 10
2019	State Chess Tournament (Girls Team Captian) RGPV, Bhopal	1st at Nodals
2019	Spatial Soundscape Project Ar.Jigyas Bora, Zo-Nasa Poornima University,	Top 2

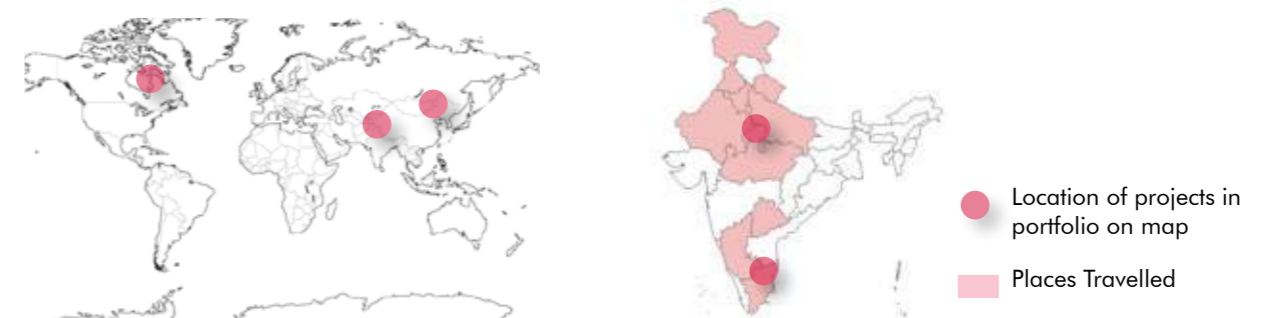
## INTEREST

Photography  
Writing  
Story telling  
Open mic  
Painting  
Acrylic, watercolor, digital  
Modeling  
Hand model, grasshopper  
Chess  
State level player  
Languages  
Hindi - Native  
English - Proficient  
Telugu - Beginner

## WORKSHOPS, DOCUMENTATIONS AND TOURS

2018	Measured Drawing of Victoria market, Gwalior - MITS, Gwalior
2019	Chanderi documentation tour - MITS, Gwalior
2020	Auroville Study Tour
2020	Analog to Generative Design Workshop(Grasshopper) - DigitalFUTURES WORLD by YI CHING LIU, Laboratory for Diverse Status, London.

## PROJECTS AND TRAVEL



# CONTENT

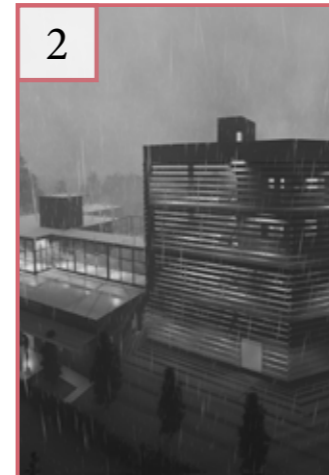
## STUDIO PROJECTS

Boat club, Canteen design, Food truck  
Bungalow, Cube House, Primary school, Hotel, Anganwadi  
Auditorium, Club house, Urban plaza, Visitors hostel,  
Collectorate, Nursing home, IGBC Residence design  
Performing Art Institute

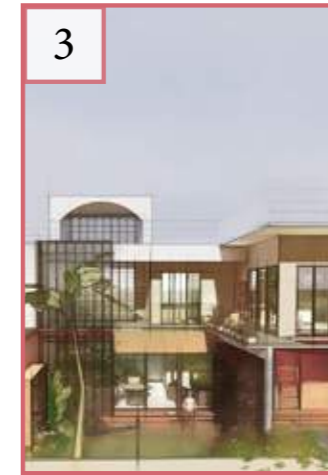
1st Year  
2nd Year  
3rd Year  
4th Year



**Institute of Performing Arts**  
Academic  
5-10



**Visitors Hostel**  
Academic  
11-13



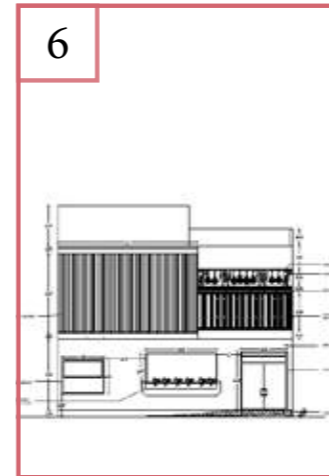
**Residence**  
Academic + Competition  
14-16



**Tianducheng Film City**  
Competition  
17



**Warming Hut**  
Competition  
18



**Working Drawing**  
Academic  
19



**Photography**  
Extracurricular  
20-21



**Art**  
Extracurricular  
22

# Institute Of Performing Arts



**“Celebrating the freedom of artistic expressions”**

# 1

# Institute Of Performing Arts

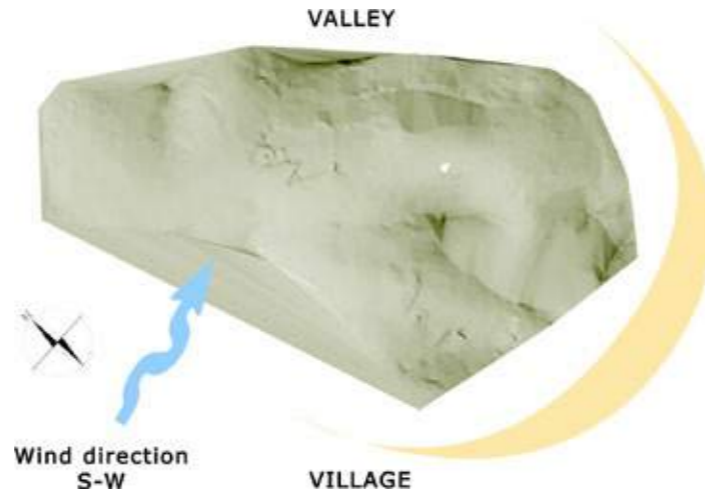
Freedom of expression

Project: Priya Patel  
Location: Konni, Kerala  
Year: 2020

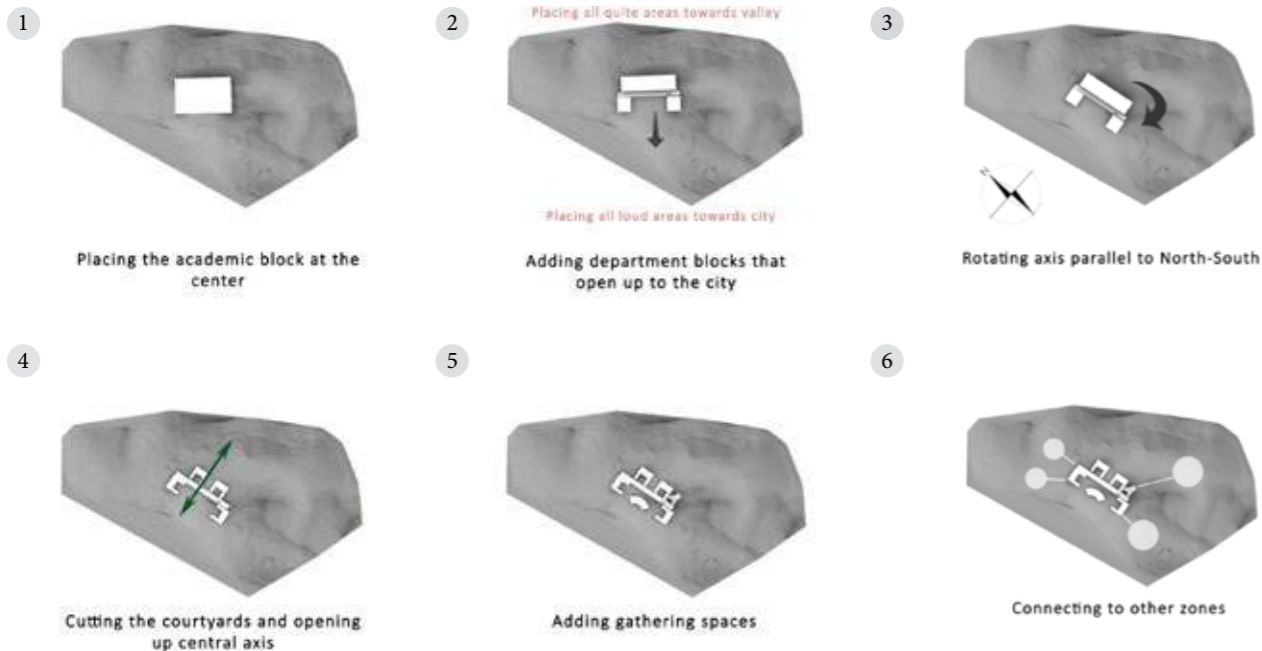
The institute is designed in a way to offer variety of spaces for the artists to get lost and find themselves again. Every location is a barrier free design well integrated with the lush green surroundings to help them grow intellectually, physically and emotionally.

## Site Info

Site Area - 59 Acre  
Site area taken under construction - 30 Acre  
Future Expansion - 29 Acre  
FAR Permissible - 1.5

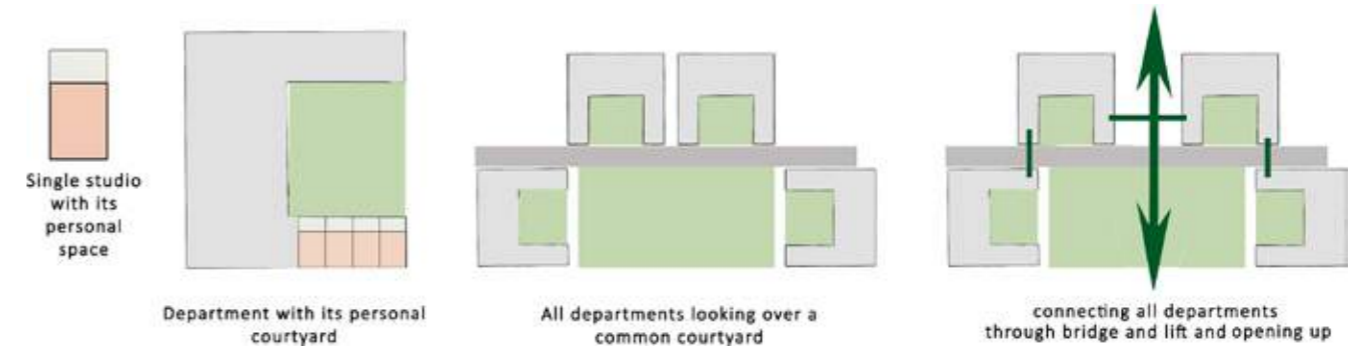


## Form Development

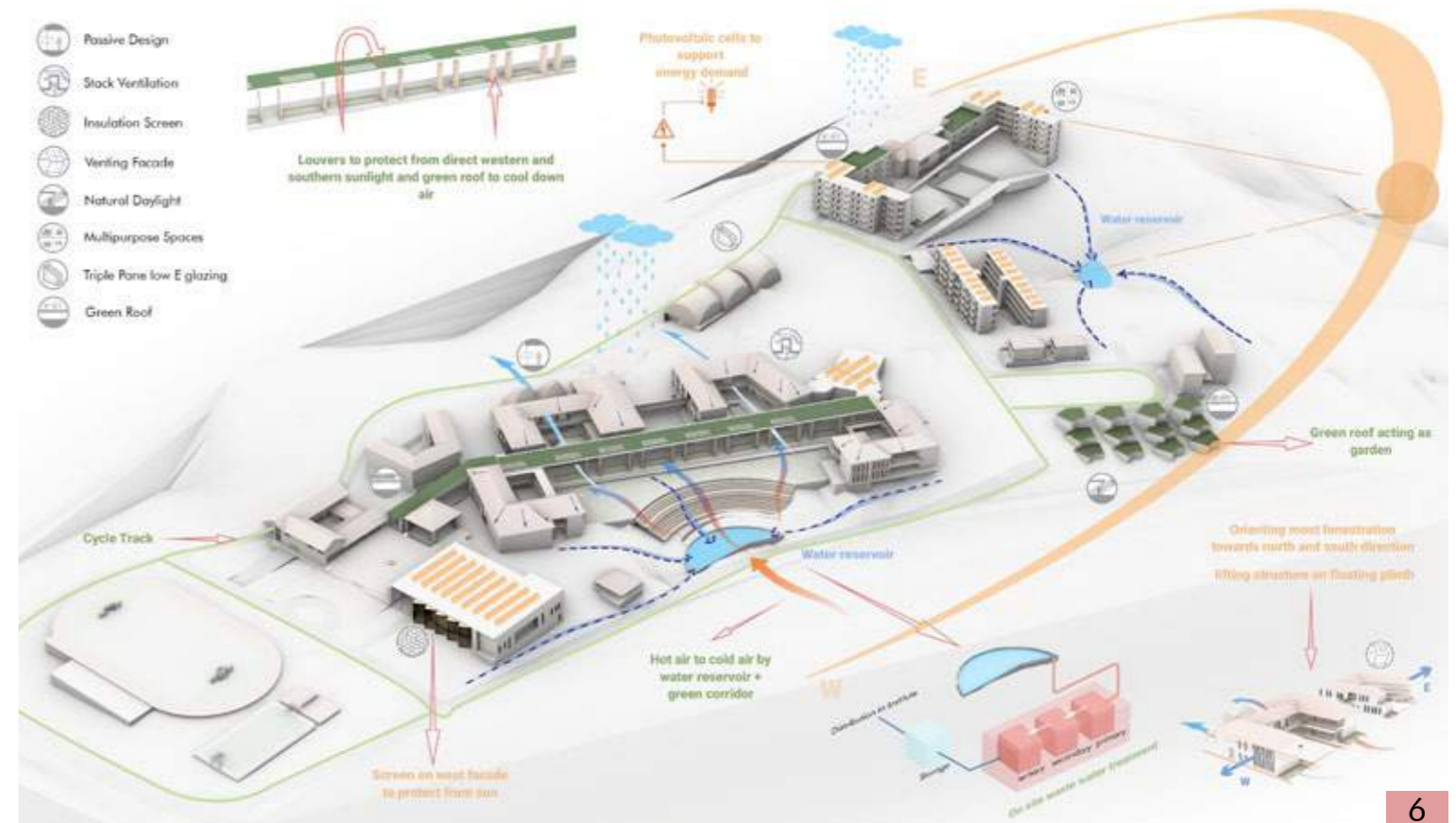


## Micro Form Development

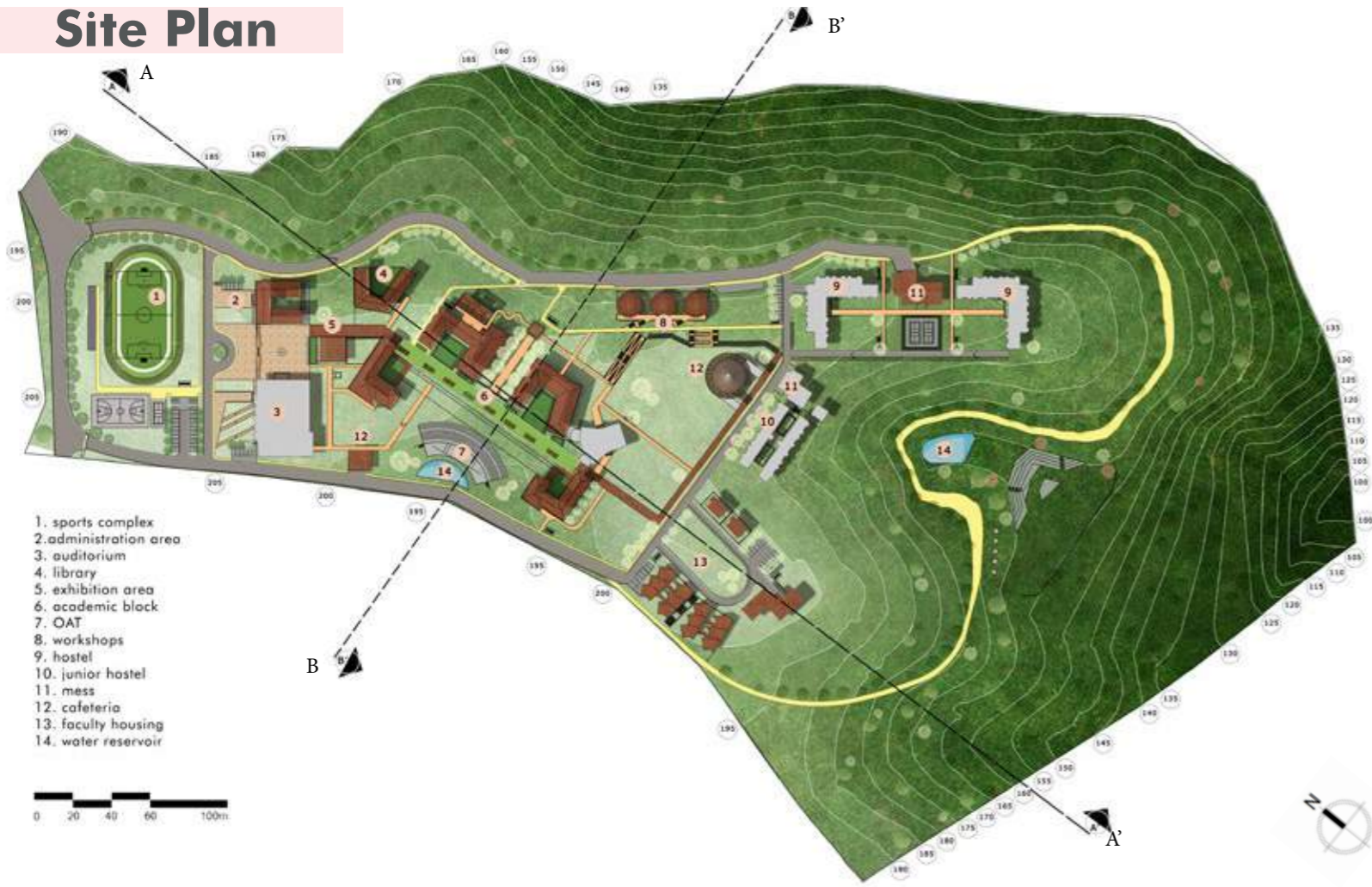
I have combined the formal classroom and informal learning spaces. The classrooms are organized to offer a view of the department's courtyard. The informal learning spaces gives individual class their own open spaces and connecting it to courtyard keeps them connected to department's activities. The department's courtyards further open up towards a common ground which act as a heart of campus.



## Sustainable Development



# Site Plan



- 1. sports complex
- 2. administration area
- 3. auditorium
- 4. library
- 5. exhibition area
- 6. academic block
- 7. OAT
- 8. workshops
- 9. hostel
- 10. junior hostel
- 11. mess
- 12. cafeteria
- 13. faculty housing
- 14. water reservoir

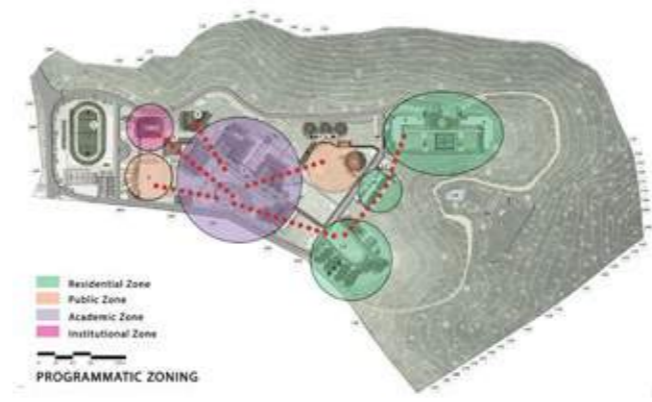


SECTION B-B'



SECTION A-A'

# Design Interventions



Zones are divided into 4 parts, where the Academic zone operates as a core and is placed within the walking distance from each zone. Public and institutional zones are placed first for easy reach of public and monitoring. The residential zones are placed at the back for privacy and to provide view of the valley.

Site has two road entries. The northward main road that provides access to Administration, Library, workshop and hostel is for more regular use. The secondary road at the bottom is for events and less frequent use. It provides access to sports utilities, Auditorium, OAT and faculty housing.



Functions of individual zones are sub-divided and intermediate spaces like library, mess and sports are added. Residential zone is divided into student and faculty housing both connected through a road, shaded corridor and cycle track.

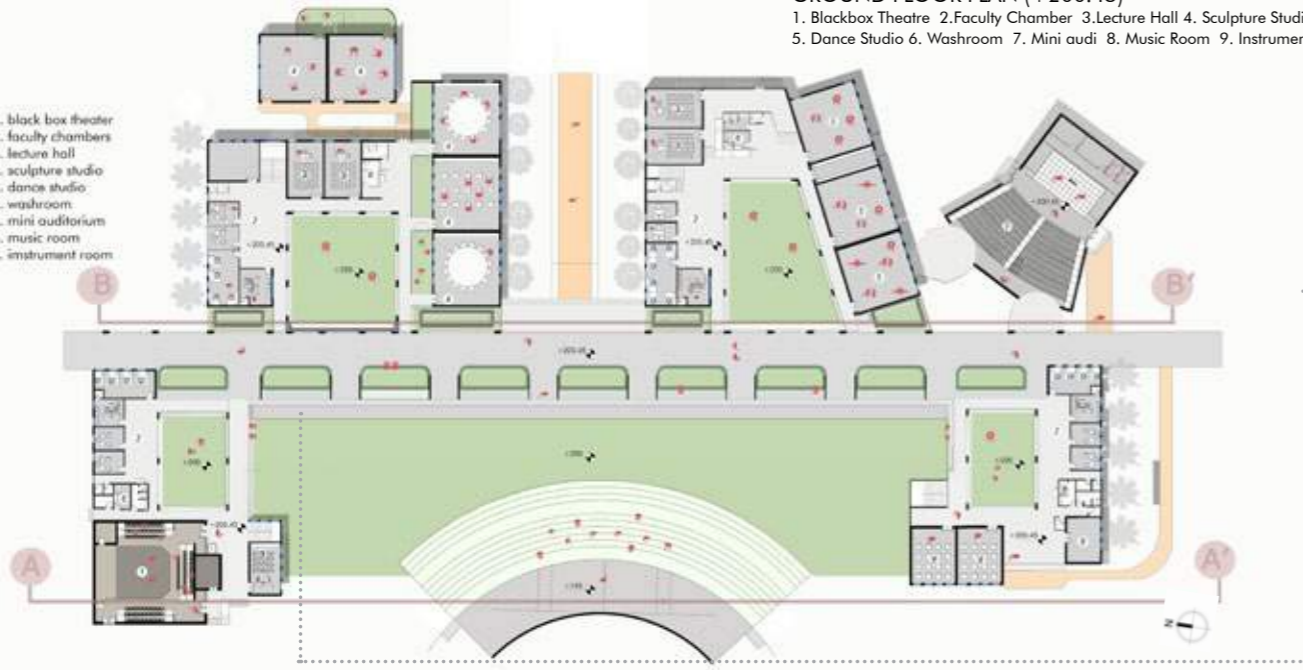
Area covered by building pad is shown in the figure by black color. The image represents the ratio of land coverage by buildings vs the landscape or open area around it.

# Academic Block

## GROUND FLOOR PLAN (+200.45)

1. Blackbox Theatre
2. Faculty Chamber
3. Lecture Hall
4. Sculpture Studio
5. Dance Studio
6. Washroom
7. Mini audi
8. Music Room
9. Instrument

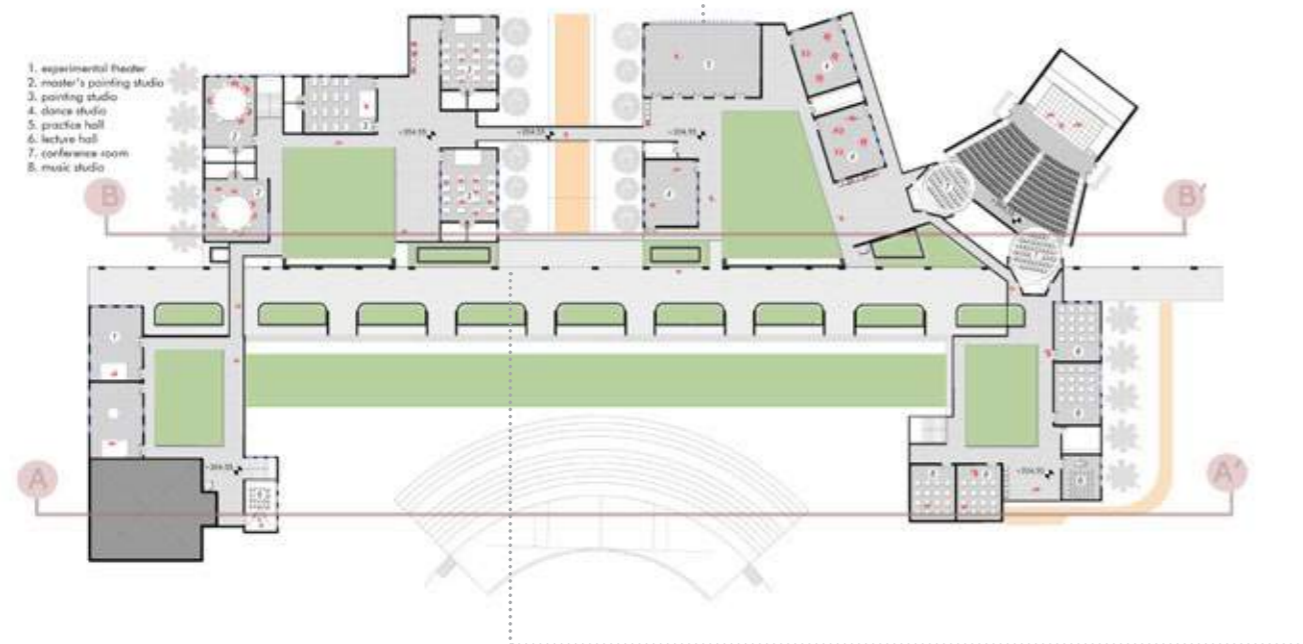
1. black box theater
2. faculty chambers
3. lecture hall
4. sculpture studio
5. dance studio
6. washroom
7. mini auditorium
8. music room
9. instrument room



## FIRST FLOOR PLAN (+204.55)

1. Experimental Theatre
2. M. Painting Studio
3. Painting Studio
4. Dance Studio
5. Large Dance Studio

1. experimental theater
2. master's painting studio
3. painting studio
4. dance studio
5. practice hall
6. lecture hall
7. conference room
8. music studio



Connection between spaces

Academic block is designed in such a way that every classroom has its own personal space which opens up into department's courtyard. That courtyard further opens up into a common central garden through which students will be able to see the activities happening in college. OAT is also placed in it for college gatherings, events and breaks.



Green Corridor

All the departments are linked together by a double heighted green corridor which act as cooling machine. As the hot wind enters the site from south-west, it first gets cooled down by water reservoir then further by the plants in corridor which also absorbs the water content from air. The plantation on the roof of corridor and the louvers at outer edge protect passage from sun.



Dance Studio overlooking to valley

All classrooms opens up to views of mountains and valley. A mini auditorium is shared by dance and music departments which has two small rotating conference halls for lectures. The rotating hall acts as an individual space, and also merge into big auditorium to increase capacity.



Bridge connecting departments

To maintain the accessibility, lift is provided to access the first floor and floors of all the departments are linked through a common bridge. Cycle routes are located near to departments for easier access.



Section B-B'

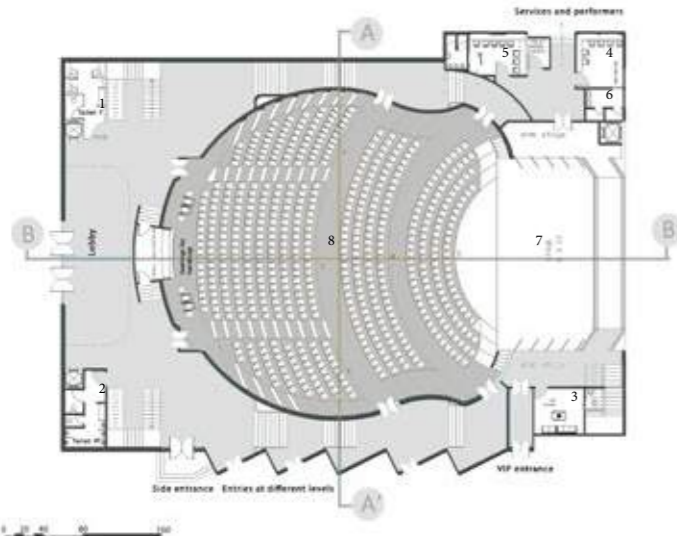


Section A-A'



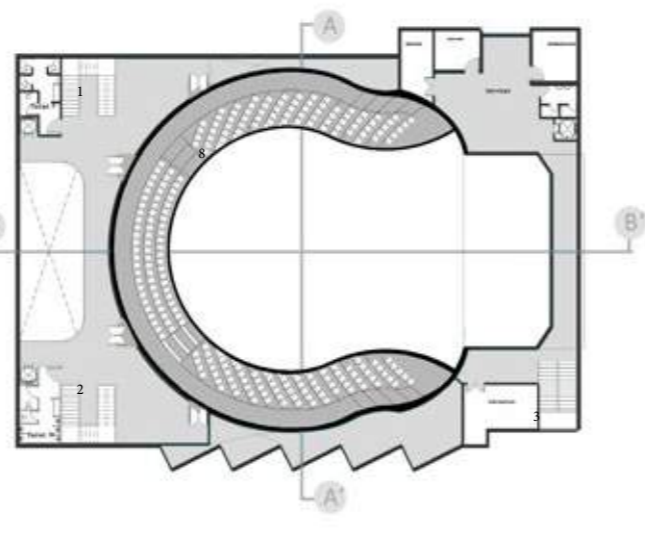


# Theatre Block



GROUND FLOOR PLAN (+200.45)

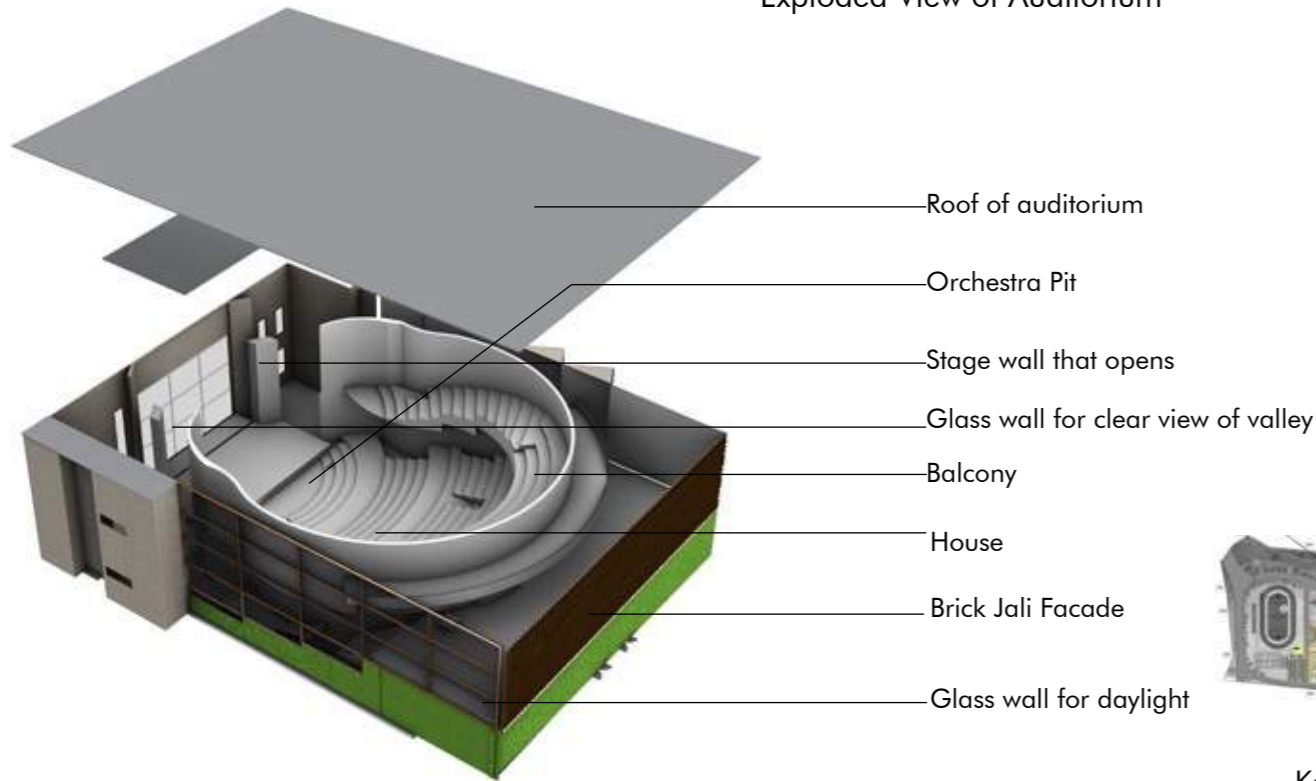
- 1. Female Toilet 2. Male Toilet 3. VIP lounge 4. Men dressing room
- 5. Women dressing room 6. Store room 7. Stage 8. House



FIRST FLOOR PLAN (+200.45)

- 1. Female Toilet 2. Male Toilet 3. Maintenance room 4. Men dressing room
- 5. Women dressing room 6. Store room 7. Stage 8. Balcony

Exploded View of Auditorium



- Roof of auditorium
- Orchestra Pit
- Stage wall that opens
- Glass wall for clear view of valley
- Balcony
- House
- Brick Jali Facade
- Glass wall for daylight

Key Plan



College Main entrance from amidst the Administration and Auditorium forms a gathering space for welcoming events and flag hosting.



Section AA'



Right Elevation



Brick jali on western facade to protect stairs from sun

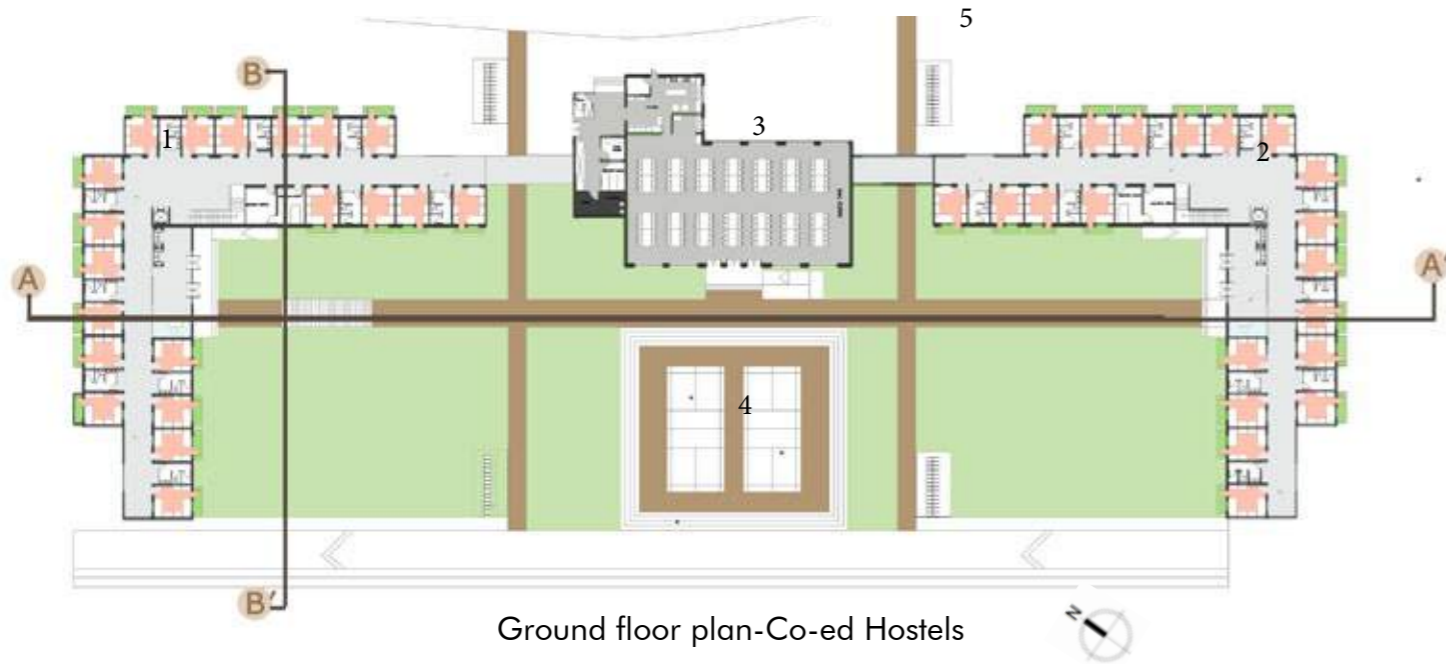


Front lobby

# Student Housing

## GROUND FLOOR PLAN

1. Senior Hostel Block 1
2. Senior Hostel Block 2
3. Mess
4. OAT
5. Cycle Stand



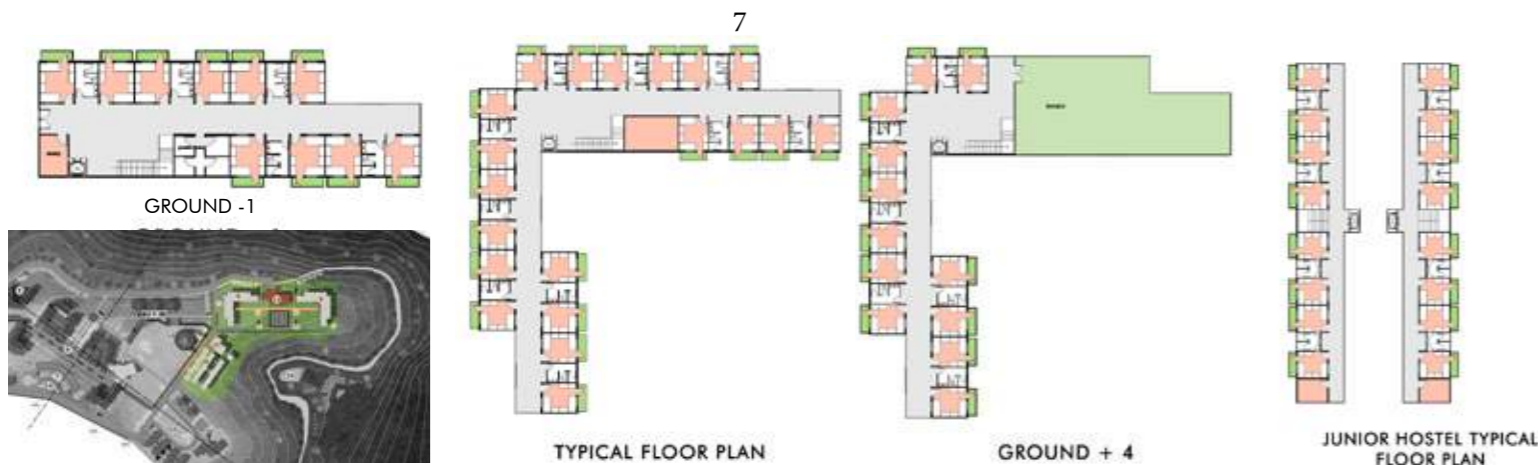
View of Hostel, Mess and Open air theatre



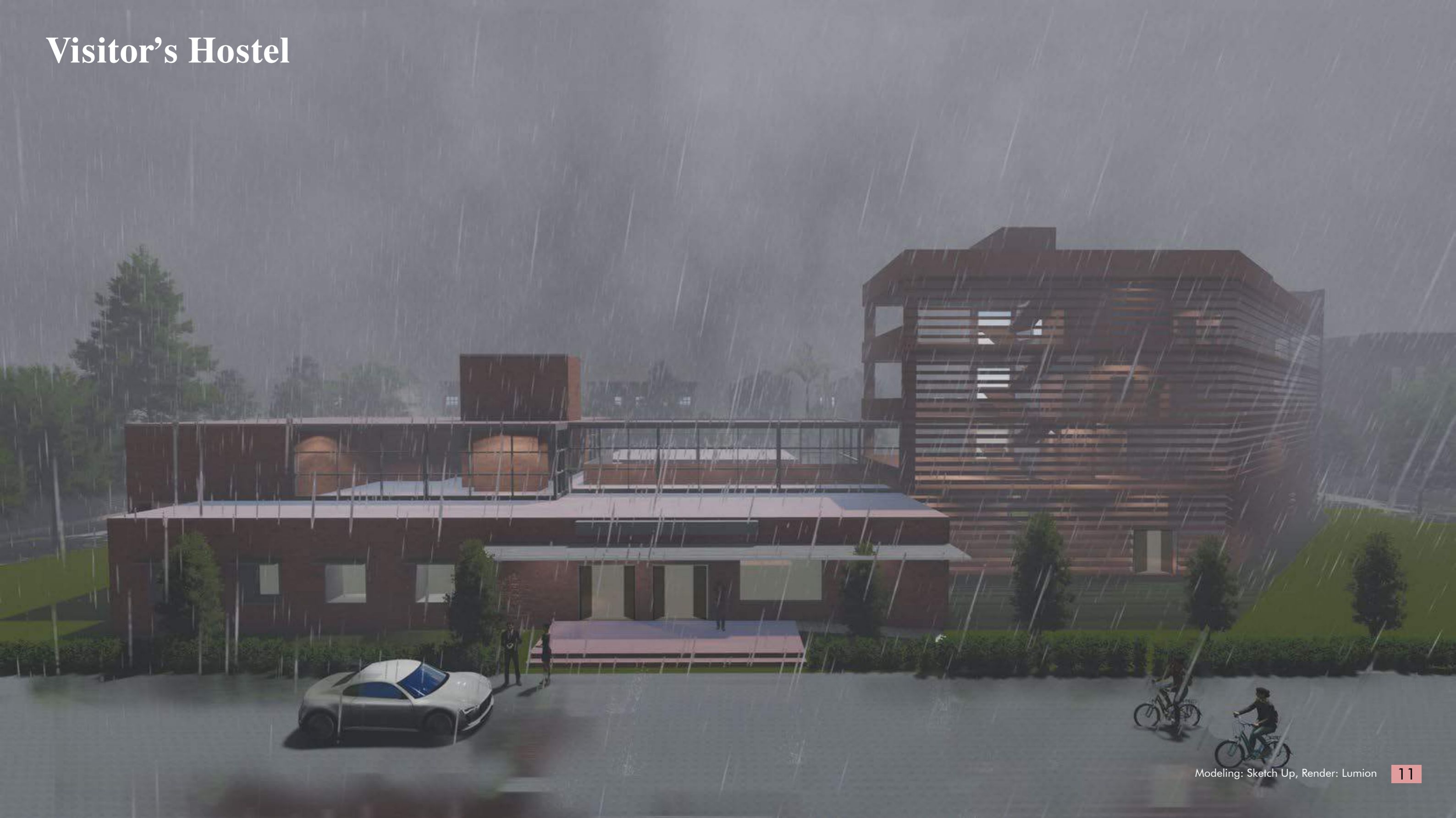
Rear view of hostel overlooking valley. Inter connected to mess and another block through bridge



Hostels are designed as an Co-ed hostels to bring more freedom in collaborations and working together as creatives. All rooms have views of either valley or common garden from their room. As the two building blocks are on a 5m contour interval difference, they are connected through ramps and stairs. A bridge is also given for upper floors which passes through common hall, the first floor of mess. The OAT at center invites students for events, jamming and sports. Both blocks have terrace and green roof with solar panels to reduce running cost.



# Visitor's Hostel



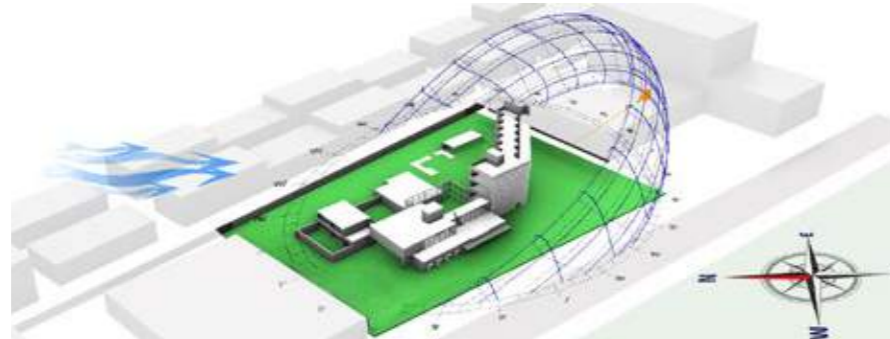
# 2

Academic

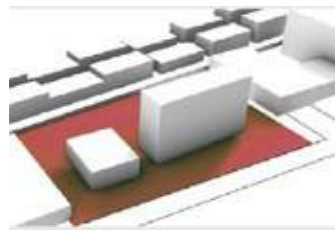
Project: Priya Patel  
Location: MITS, Gwalior

## Visitor's Hostel

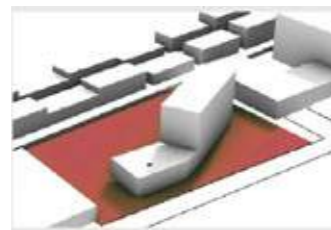
The approach towards this project was to design a hostel which can provide visitors with various recreational spaces and can also withstand the extreme weather conditions of gwalior. A building that can be efficient on both micro and macro climatic level.



View of internal garden of the hostel



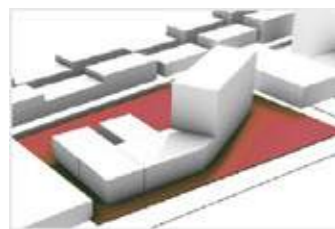
Main blocks of building  
Admin and Rooms



Orienting longest sides  
facing north and south



Adding supported areas



Adding VIP rooms



Punching roof for sun  
and air



Turning rooms towards  
incoming wind direction

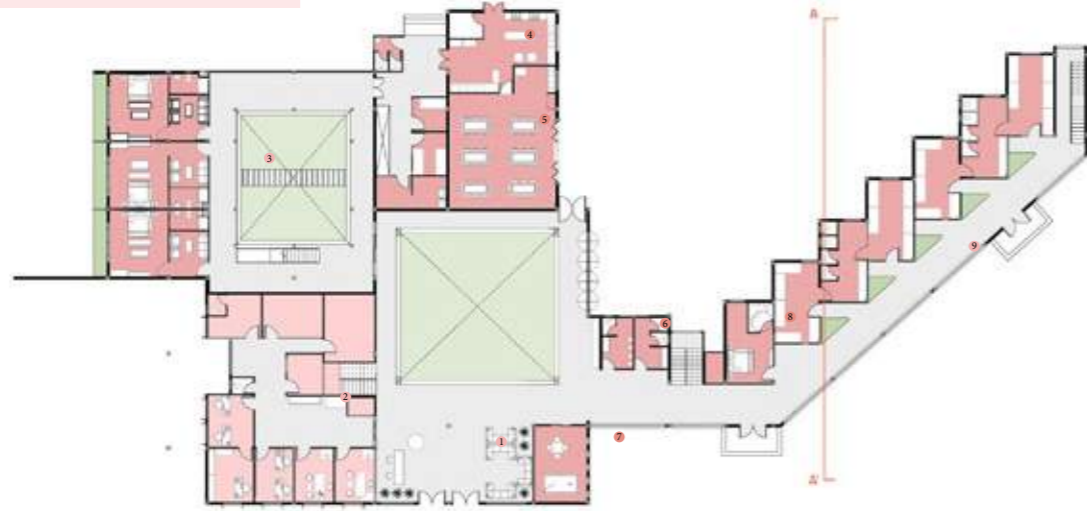


Site Plan

# Floor Plans

## Ground Floor Plan

1. Entrance
2. Administration
3. VIP Rooms
4. Kitchen
5. Mess
6. Public Washrooms
7. Play room
8. Handicape room
9. Dormitories area



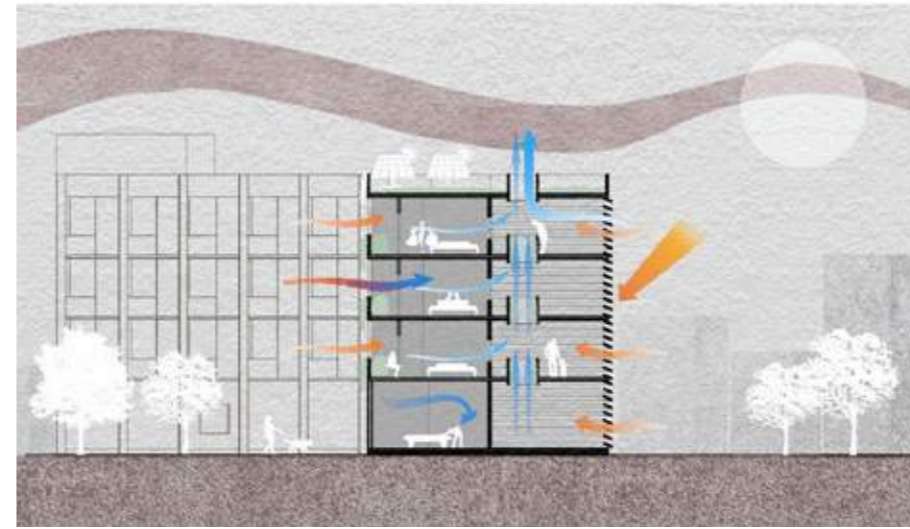
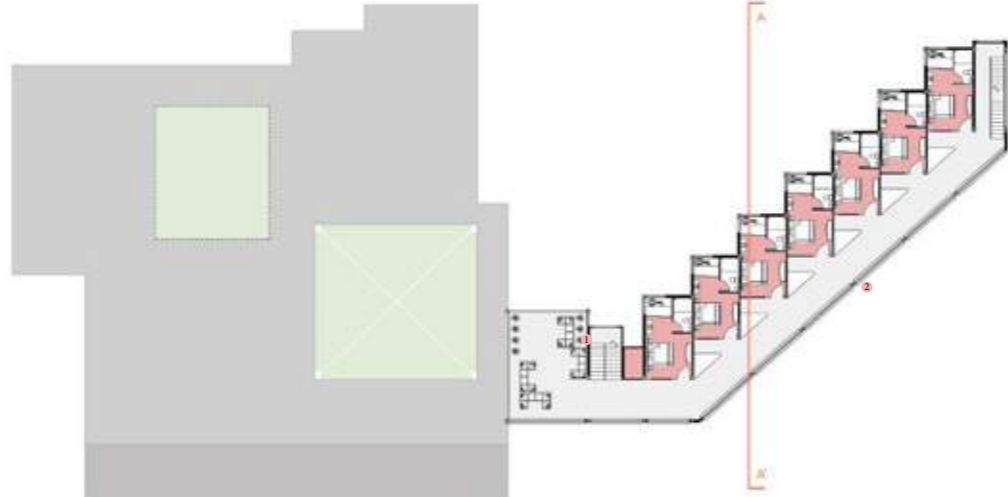
## First Floor Plan

1. VIP Rooms
2. Conference and meeting rooms
3. Bridge
4. Sitting area
5. Rooms

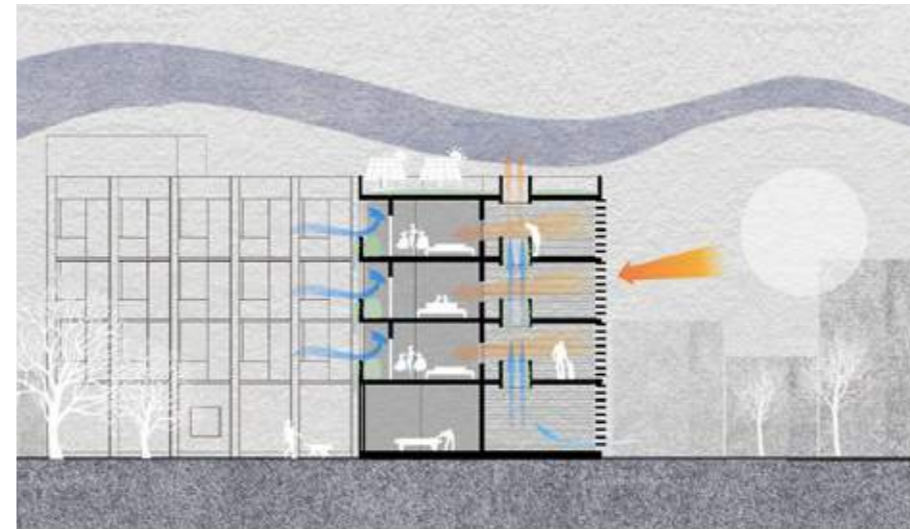


## Second Floor Plan

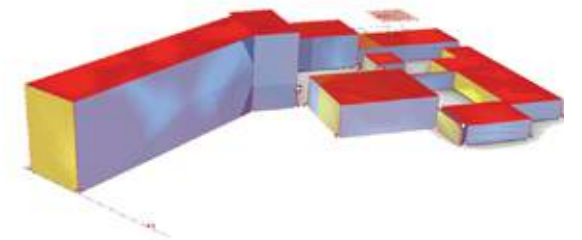
1. Sitting Area
2. Rooms



MICRO CLIMATE IN EXTREME SUMMER



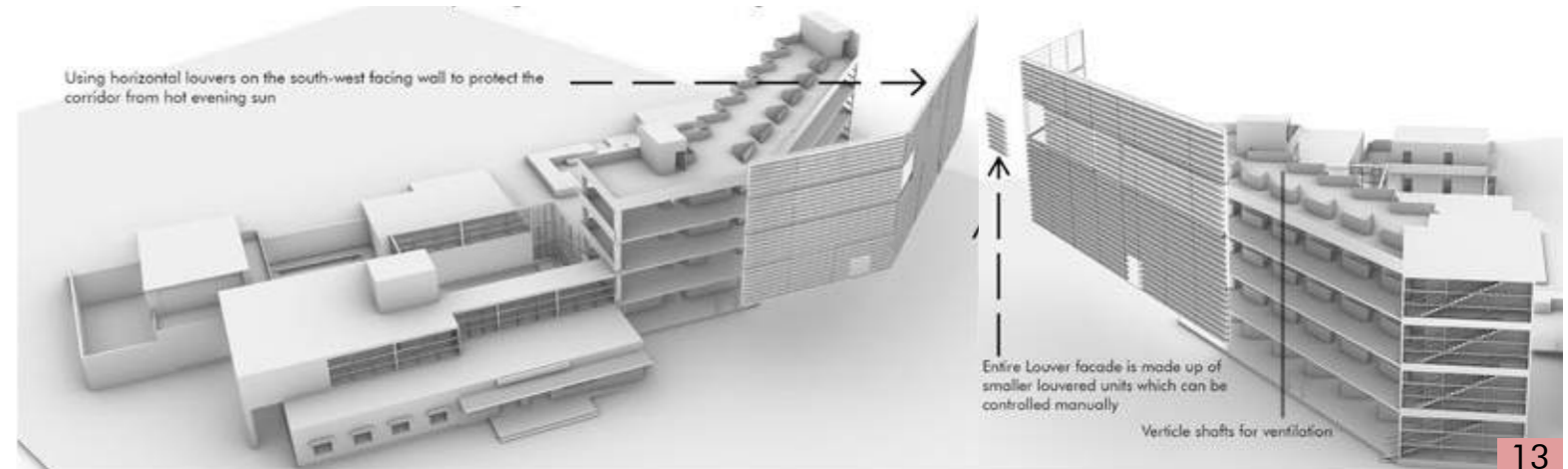
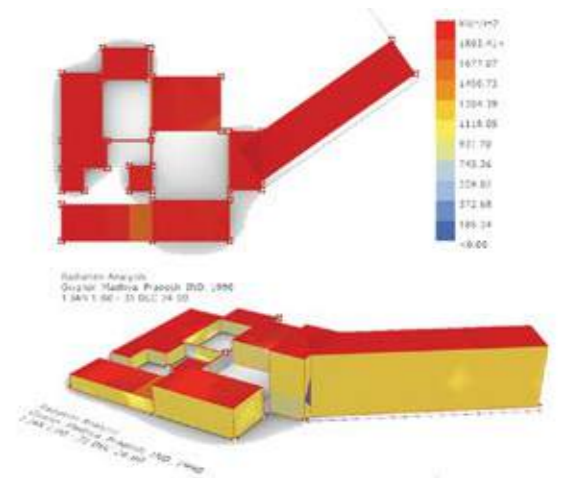
MICRO CLIMATE IN EXTREME WINTER



## ENERGY SIMULATIONS ON GRASSHOPPER

RESULT:

1. FACADE TREATMENT REQUIRED ON SOUTH FACING WALL
2. HEATING OF EAST FACING WALL.



# IGBC Residence Design



# 3

# IGBC Residence Design



Academic + Competition

HOUSE FOR A YOUNG COUPLE

Project: Priya Patel

Location: Indore, Madhya Pradesh

A house like an ecosystem, an enrgy positive home

**HOUSE FOR A YOUNG COUPLE**

THE USER IS SELECTED AS A YOUNG COUPLE FOR THE REASONS BEING 1. THE AGE GROUP WHICH HAS BEEN WIDELY AFFECTED IS THE YOUNG WORKING POULATION

THIS HOUSE IS DESIGNED IN SUCH A WAY THAT IT DOES NOT ONLY SERVE PANDEMIC BUT WORKS AS AN ECOSYSTEM TO KEEP THE LIFE RUNNING WITHOUT ANY EXTERNAL HELP.

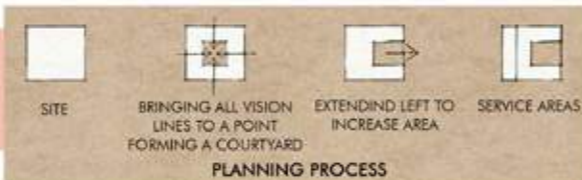
**PILLARS OF DESIGN**

1. HEALTH SECURITY
2. SELF SUFFICIENCY
3. HAPPY LIVING
4. GIVING BACK TO SURROUNDING

**LEADS IN DESIGN**

**VISION** IS THE MOST DOMINATING SENSE IN A HUMAN BODY.

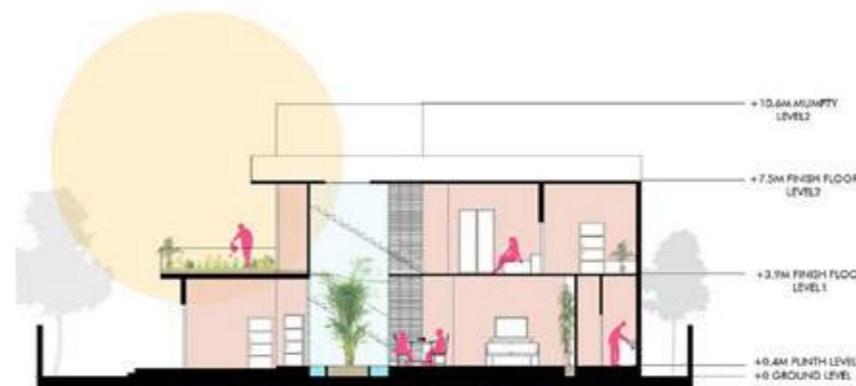
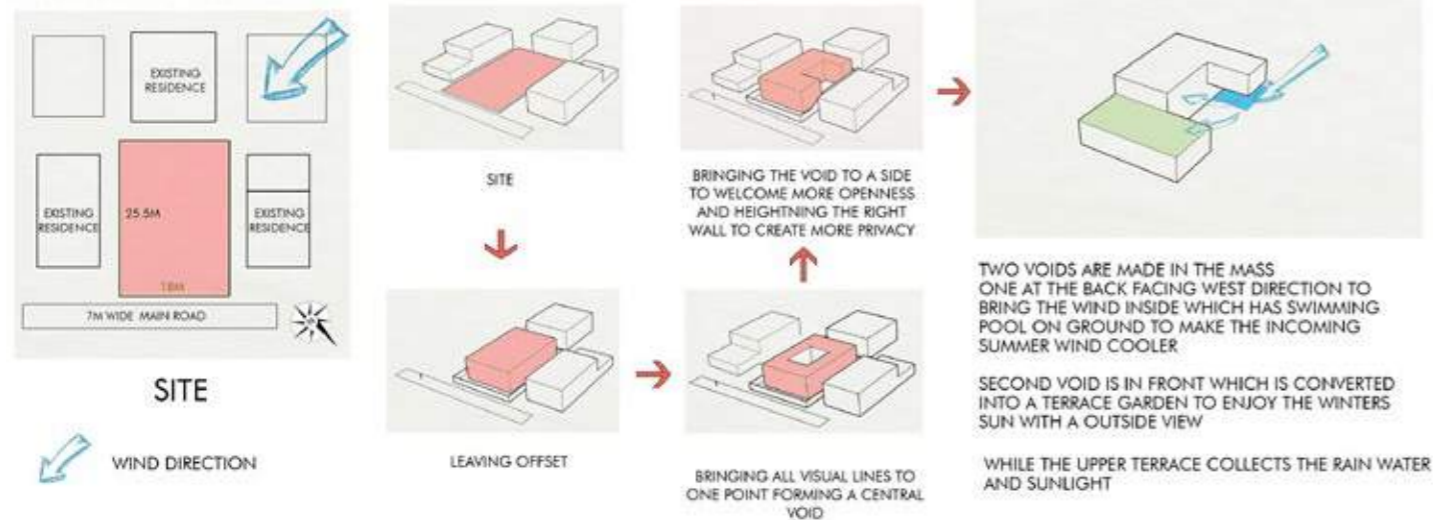
THE APPROACH TO THIS DESIGN WAS TO BRING EVERY VISION LINE TO ONE POINT WHICH WILL ULTIMATELY BECOME THE HEART OF THE HOUSE.



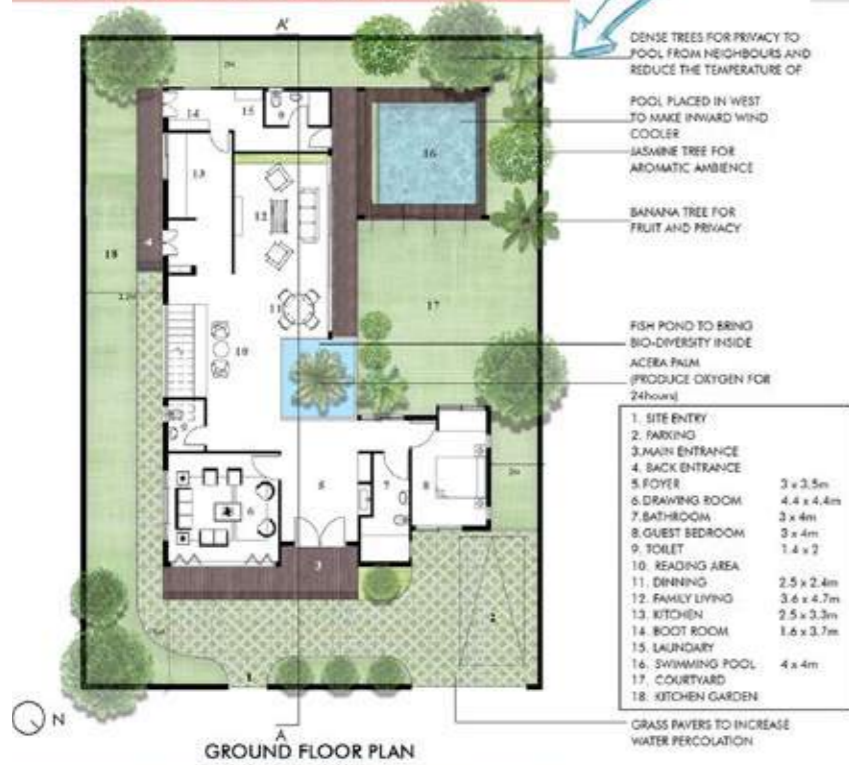
**TRADITION**

TAKING THE SHAPE OF A COURTYARD THE HOUSE FURTHER TAKES INSPIRATION FROM THE TRADITIONAL COURTYARD HOUSING TECHNIQUES OF MADHYA PRADESH AND ITS RESPONSE TO CLIMATE

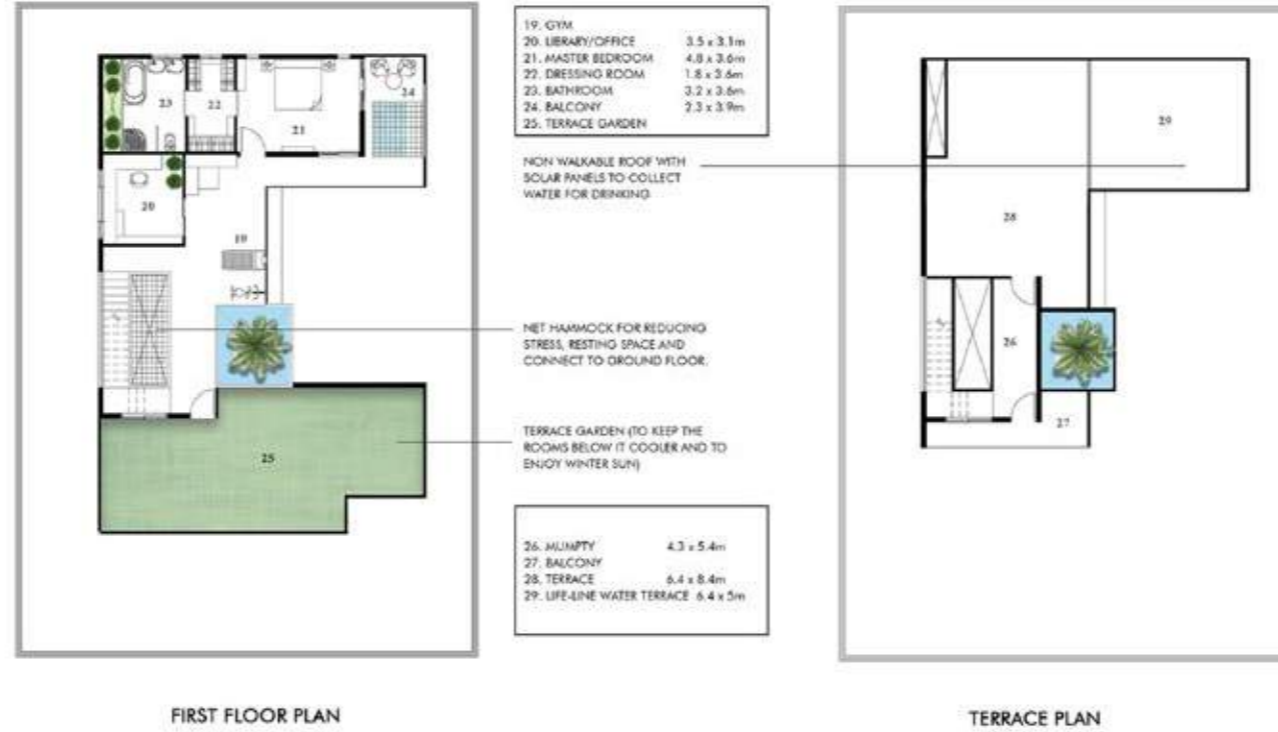
## FORM DEVELOPMENT



## NORMAL WORKING OF HOUSE



## FLOOR PLANS



## COMPONENTS

### MATERIALS USED

FLY ASH BRICKS WITH ANTI MICROBIAL COATING - WALLS  
NON-WOVEN FABRIC - CURTAINS  
BAMBOO - PARKING SHADE  
SAND STONE - LANDSCAPING OUTDOOR  
BRASS - HANDLES, UTENSILS (DISINFECTANT)  
GRANITE IN FLOORING (SMOOTH, ANTIBACTERIA)

### HEALTH SECURITY

- CROSS VENTILATION IN EVERY ROOM
- NO RECIRCULATION OF AIR
- RESISTANT TO INSECTS AND INFECTANT
- SUNLIGHT IN EVERY ROOM

### BIO-DIVERSITY

- LANDSCAPE :-  
INDOOR PLANTS - ACERA PALM ( PRODUCES OXYGEN FOR 1 PERSON 24hrs)  
- LAVENDER ( PURIFIES AIR)  
- PEACE LILY FOR BEDROOM (FILTER AIR AND BLOOM ALL YEAR LONG)

OUTDOOR LANDSCAPE - DIVERSITY LIKE AROMATIC, FLOWERY, DENSE, DECIDUOUS AND FRUIT TRESS

VEGETABLE GARDEN - KITCHEN GARDEN, TERRACE GARDEN

- FISH POND

### WASTE SECURITY

- KITCHEN ORGANIC WASTE ----> COMPOST ----> FERTILIZERS
- HUMAN WASTE ----> ECOSAN TOILET ----> FERTILIZERS

### WATER SECURITY

- KITCHEN WATER ---> COLLECTED UNDER SINK ---> KITCHEN GARDEN
- GREY WATER ---> UNDERGROUND SURGE TANK ---> FILTER ---> LAUNDRY, FLUSHING, FLOOR WASH.
- RAIN WATER HARVESTING , A- REGULAR ROOF ---> UNDERGROUND TANK ---> DAILY HOUSEHOLD USE  
LIFE LINE WATER), B- NON-WALKABLE ROOF ---> UNDERGROUND TANK ---> FILTER ---> DRINKING WATRE

### ENERGY SECURITY

- PHOTOVOLTAIC PANELS ON ROOF ----> BATTERIES ----> EXTRA TO ELECTRICITY BOARD
- SOLAR THERMAL FOR HEATING WATER

### FOOD SECURITY

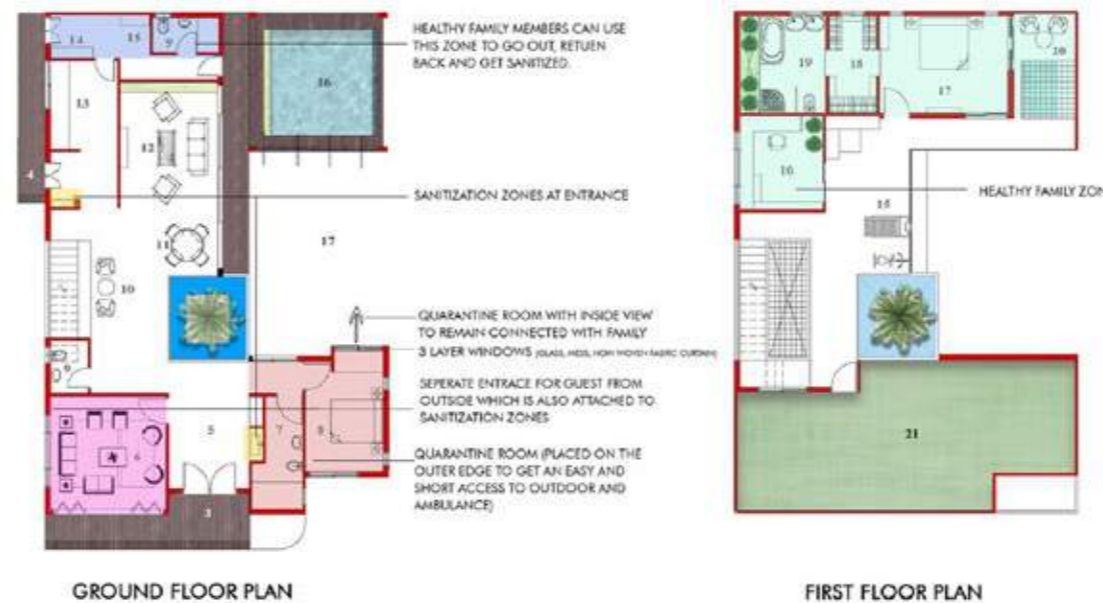
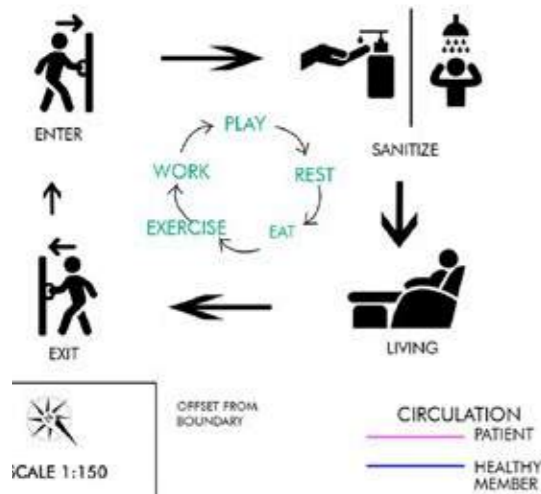
- VEGETABLE GARDEN
- FRUIT TREES

### FURNITURE

- FURNITURE WITH MINIMUM TOUCH ON FLOOR IS USED TO MAKE FLOOR CLEANING PROCESS EASY.
- ALL HANDLES AND METAL WORK IS BRASS WHICH IS DISINFECTANT

## DURING PANDEMIC

### ACTIVITY FLOW





# 4

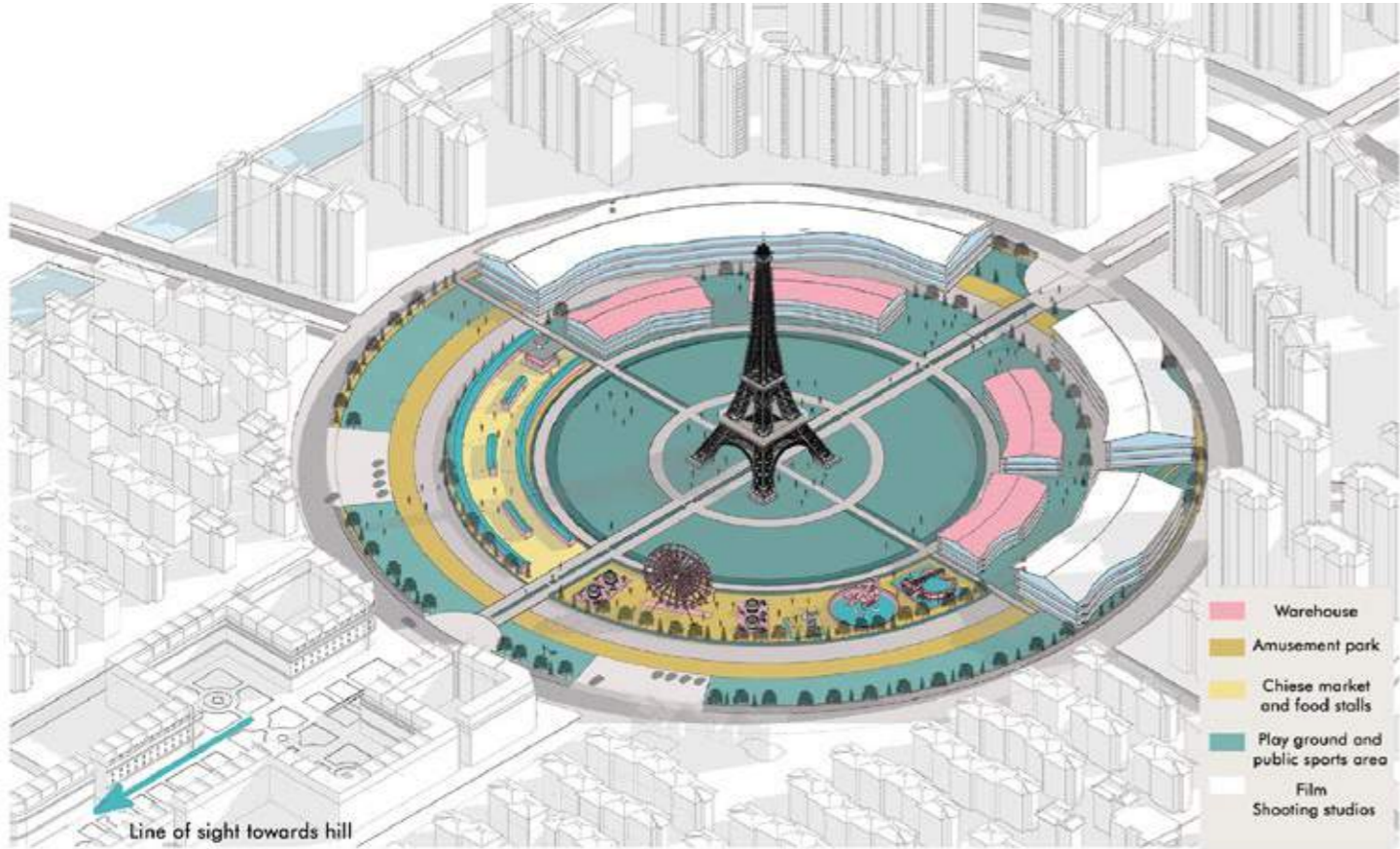
# Tianducheng Film City



DISTINCTIVE MIMICRY

Team: Team of four  
Location: Tianducheng,  
China

Surrounded by mountains, lakes and foreign duplitecture the place had served well for shooting and film- ing many music videos, wedding and much more in the past. Our proposal is to design a pocket film city around the tower which will act as a centre for employment, tourism and amusement around the township, activating the town and increasing the inhabitants.



Activating city in three Phases



Nightshow with holographic projection at film city



Mechanical curtains are under the eiffel tower to create an open air Theater viewing experience.



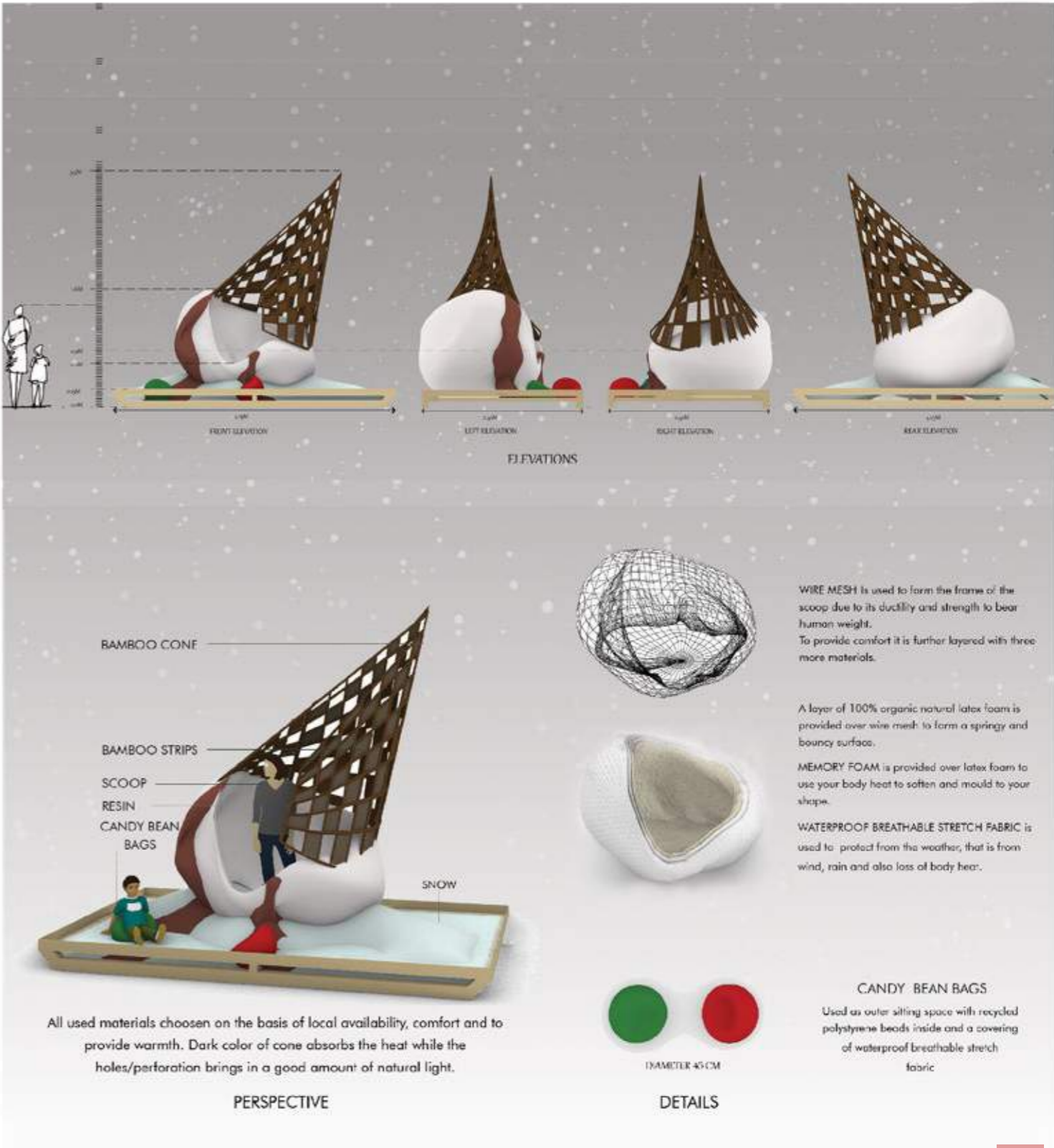
Shooting in film city

# MELLOW

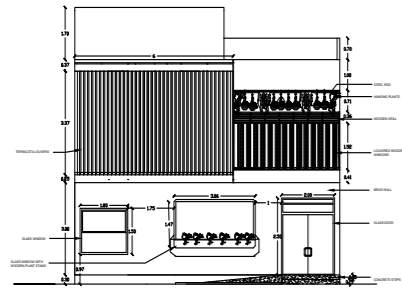


Walking downtown in the forks of Winnipeg, the cold breeze blows on your face and the sensation is beyond description. As you walk further along the river trail, a mellow feeling wraps you.

Mellow is a design statement with an inverted Ice cream cone. Once which gave relief from scorching heat of the sun is now offering warmth in frigid temperature. People's experience of mellow is a feeling of protection from windy weather and an experience of openness at the same time.



Project: Priya Patel  
Location: Gwalior



Elevation



Ground Floor Beam layout



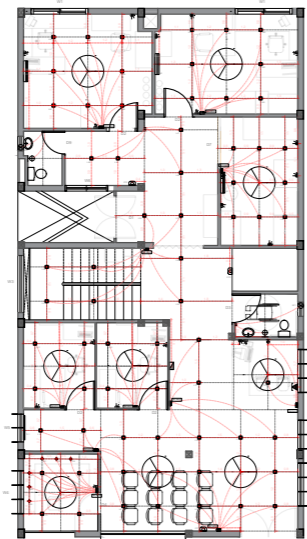
First Floor Beam layout



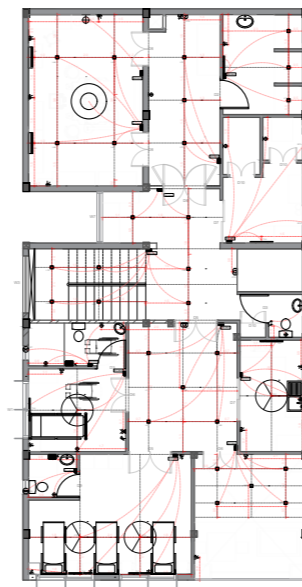
Plinth layout



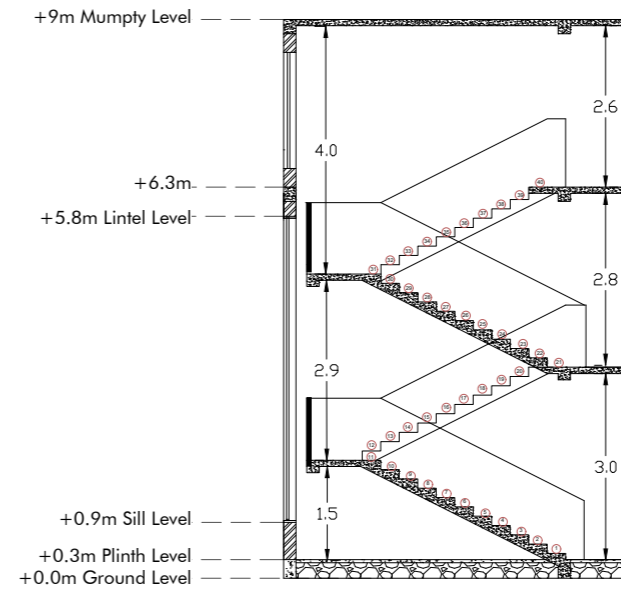
Footing and column layout



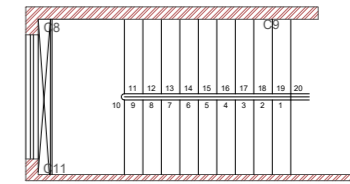
Ground Floor Electrical layout



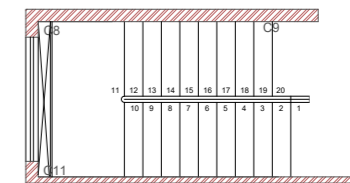
First Floor Electric layout



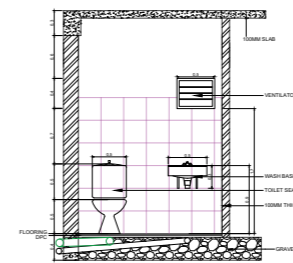
Staircase Detail



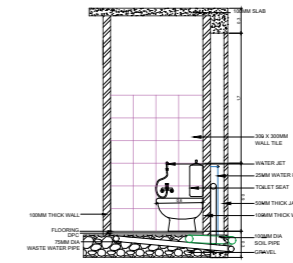
Staircase first floor



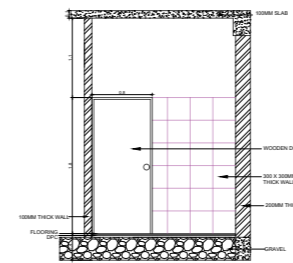
Staircase ground floor



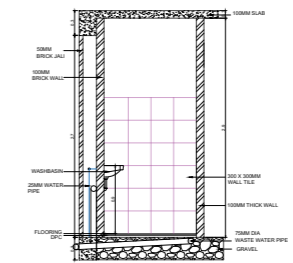
Section A



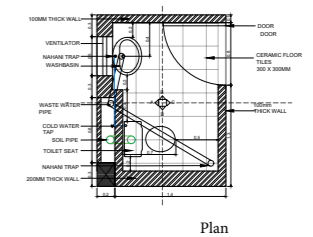
Section D



Section B



Section C

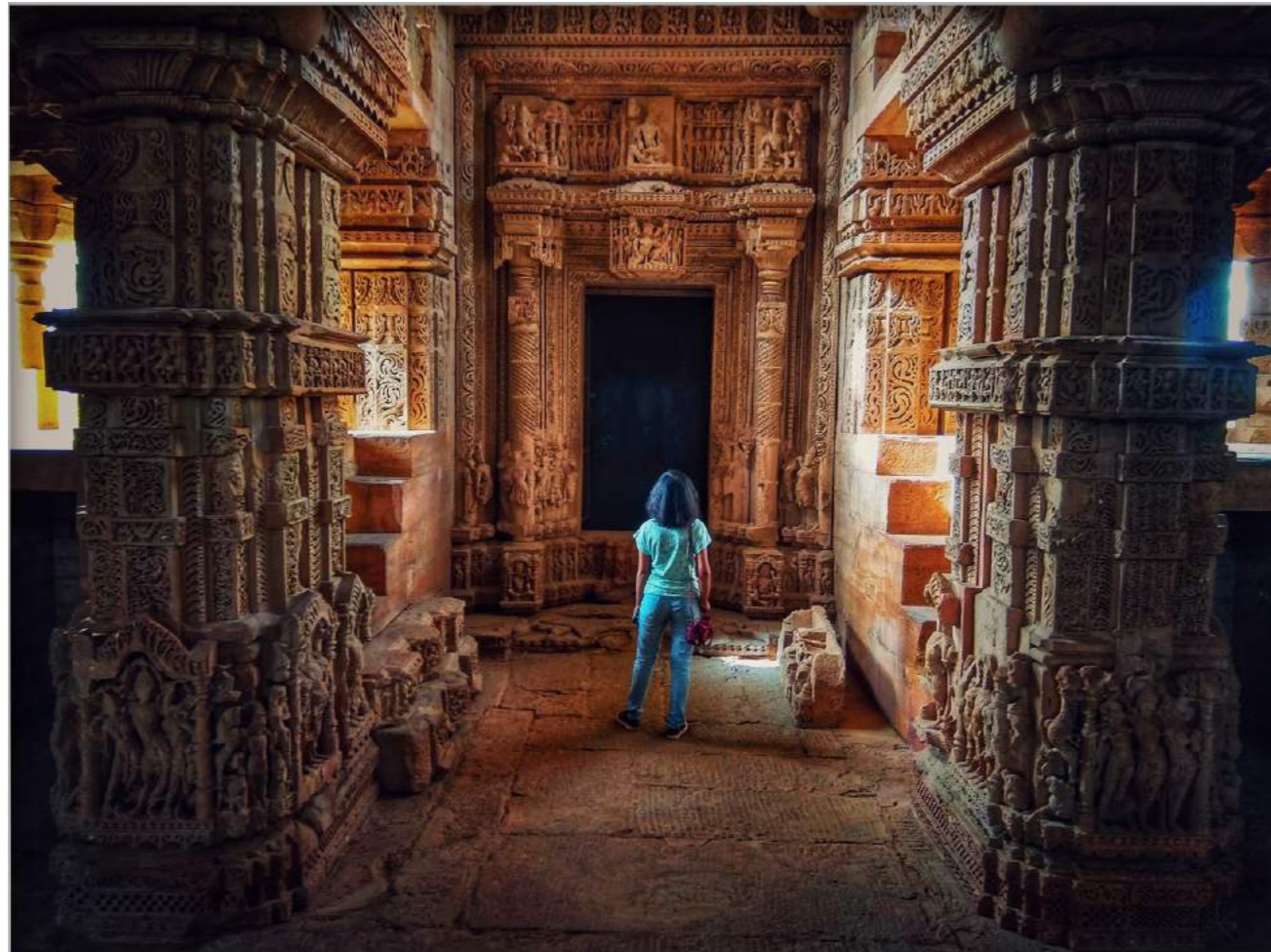


Plan

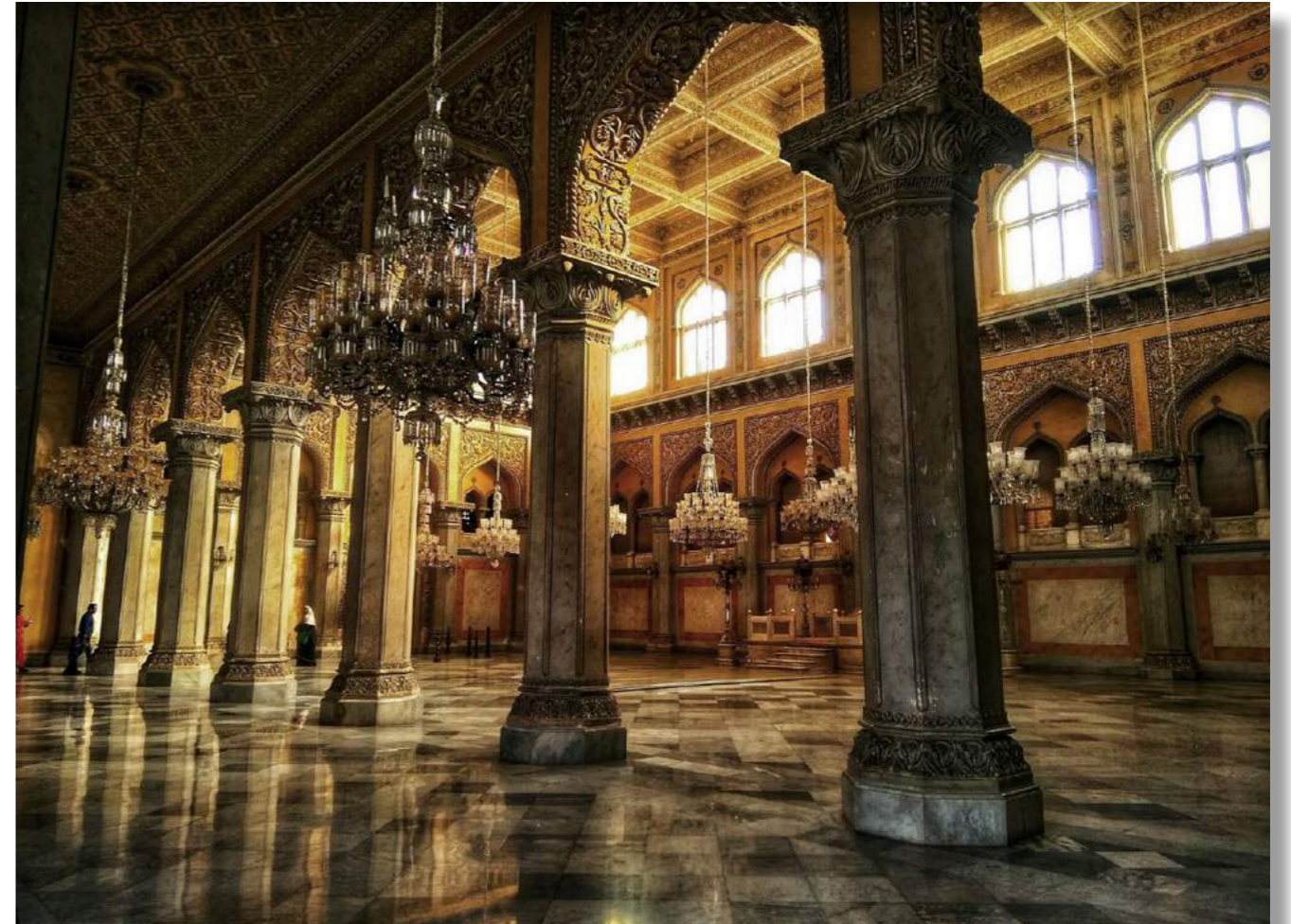
Toilet Details

# Photography

Study of Light and Shadow



Capturing the golden sunlight in the vestibule of Sas-Bahu Temple (using tripod)



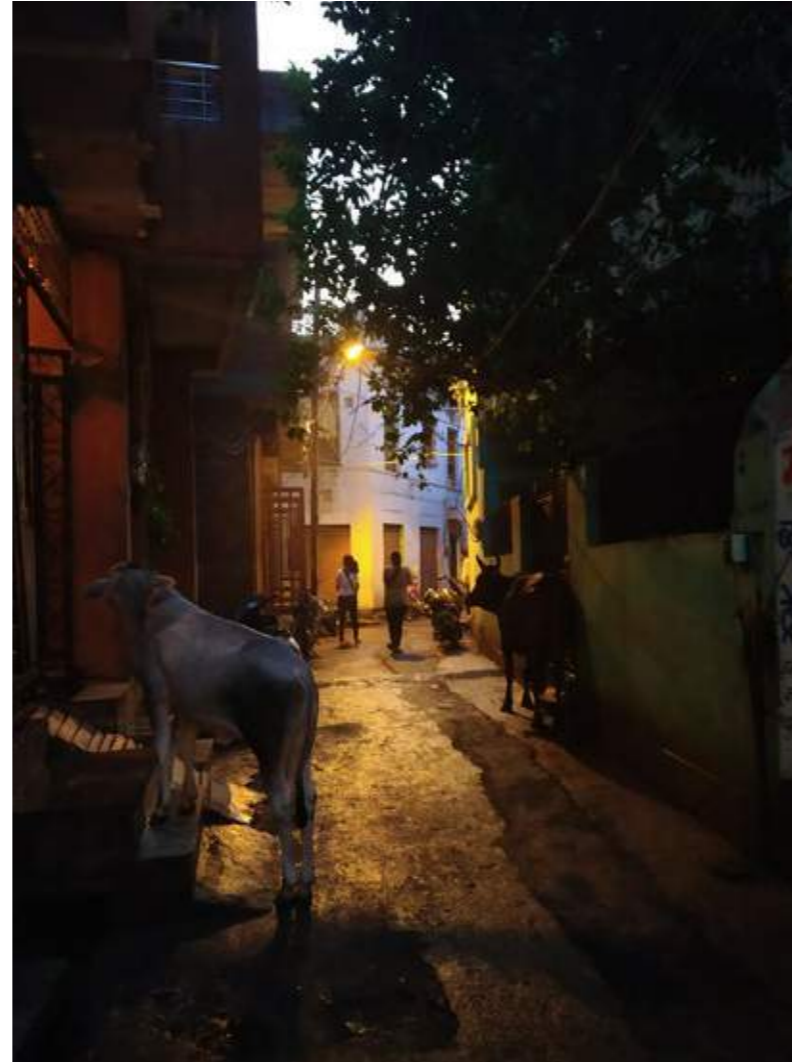
Chawmahalla Palace, Hyderabad

# Photography

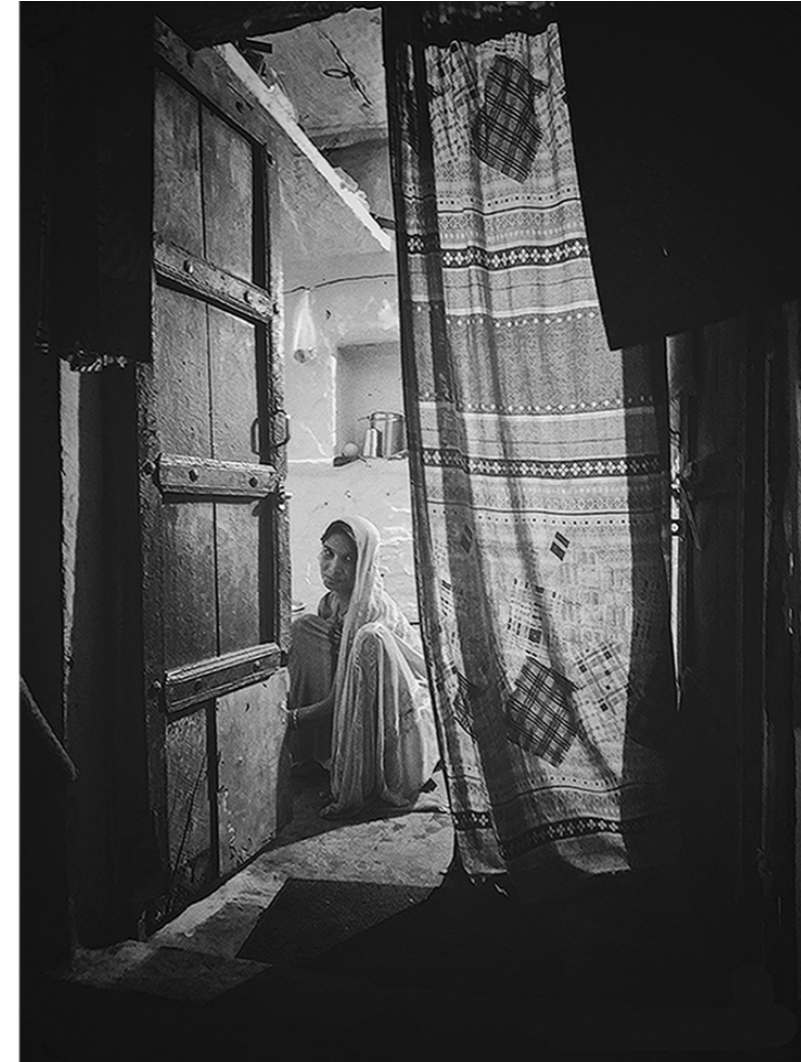
Narrating Life - Study of moments and being



Life on the beach, Pondicherry



Gwalior ke Gali Mauhalle

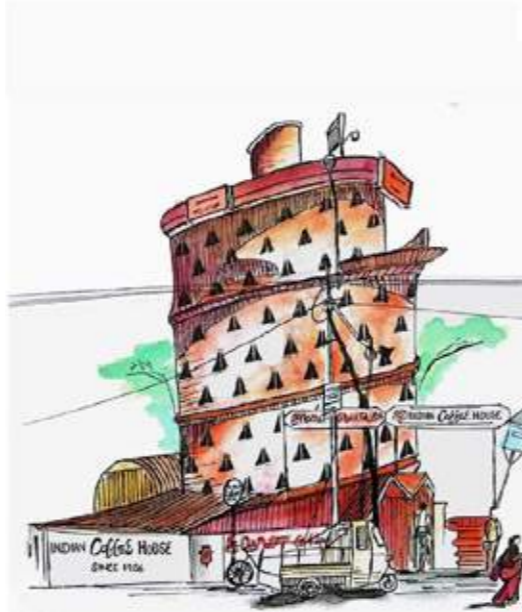


Parda

# Hand Drawings and Digital Art



Micron on paper



Urban sketch



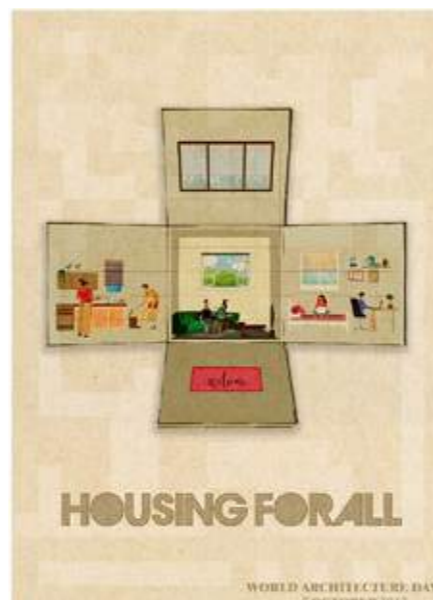
Character Design, Digital



Character Design, Digital



Digital watercolor, Sketchbook Pro



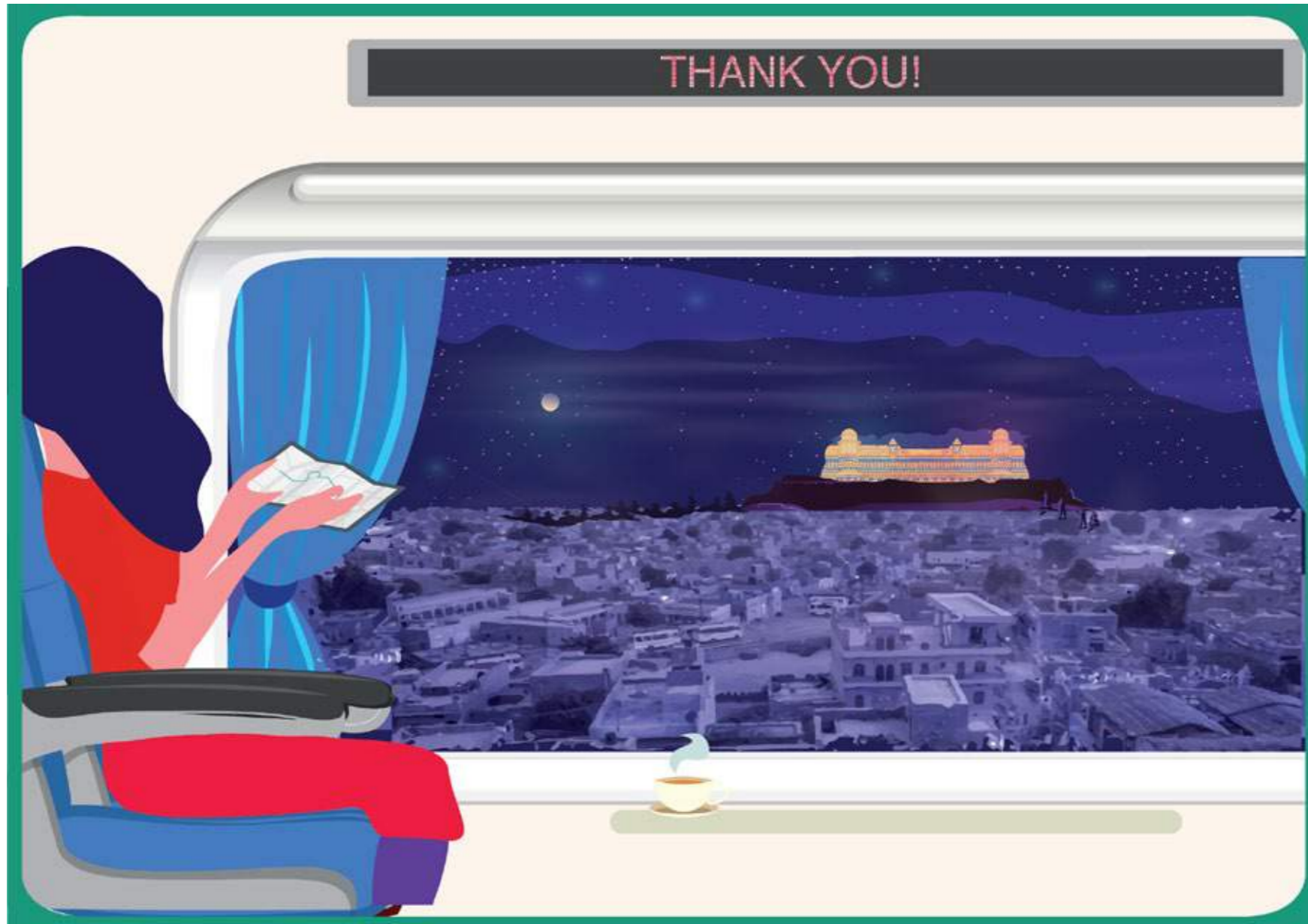
Poster on Ps



Digital watercolor, Expressi



Water color on paper



A glimpse of my city Gwalior

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