

## Architecture Portfolio

Mehul Chaudhary  
Selected Works 2014-2019

Everything is  
Teachable  
and  
everything is  
Learnable.  
So yes, i'm  
passionate



I seek opportunities, interesting  
people, experience and learning.

MEHUL CHAUDHARY  
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India

I offer reliable and responsible  
approach, creativity and initiative.

## EDUCATION

Sardar Patel University  
Bachelor of Architecture, A.P.I.E.D  
Graduation Date:07/2019

## PROFESSIONAL EXPERIENCE

- sP+a (Sameep Padora and Associates) Mumbai  
Rhino, Autocad, Photoshop, Model making, Site visit June-Oct 2017
- + Travel Food Services- Dilli Streat Outlet on terminal T3
    - Constant for designing, producing drawings and 3d model was my responsibility.
    - Have done the overall presentation and working drawings.
  - + PA PA YA- Hospitality project at BKC
    - Overall responsible for the whole project and constant discussion with senior associate.
  - + Maharashtra National Law University- Competition entry
    - Responsible for making Physical Model from producing laser-cutting files to making trees manually.
  - + Holywrit School, Badlapur- working drawings and detailing
    - Involvement in design development of new School and Hostel block.
    - Responsible for producing architecture drawings, 3d model and deliverables required on site.
  - + Concrete Void- design development drawings
    - Involved in design development and producing deliverables as the job demanded.
  - + 4 Acre Puri- Presentation drawings
    - Intense Involvement in design development
    - Participated in producing presentation drawings

## COMPETITIONS

- +N.A.S.A (National Association of Students of Architecture)
- +120 Hours International Architecture Competition (2017)

## Skills

- +Digital
  - Autocad
  - Rhinoceros
  - SketchUp
  - Revit
  - Adobe - Photoshop
  - Indesign
  - Illustrator
  - Corel Draw
  - V-Ray
  - Lumion
  - Microsoft Office
- +Analog
  - Model making
  - Hand drafting
- +Digital fabrication
  - Laser cutting
  - 3d Printing
  - Wood working
- +Language
  - English
  - Hindi

## Personal Skills

- Concept
- Design
- Research
- Drafting
- Documentation
- Competitions
- Model making
- Wood and metal work

## Interest

- Meditation and
- Travel with
- Music and
- Dance

# CONTENTS

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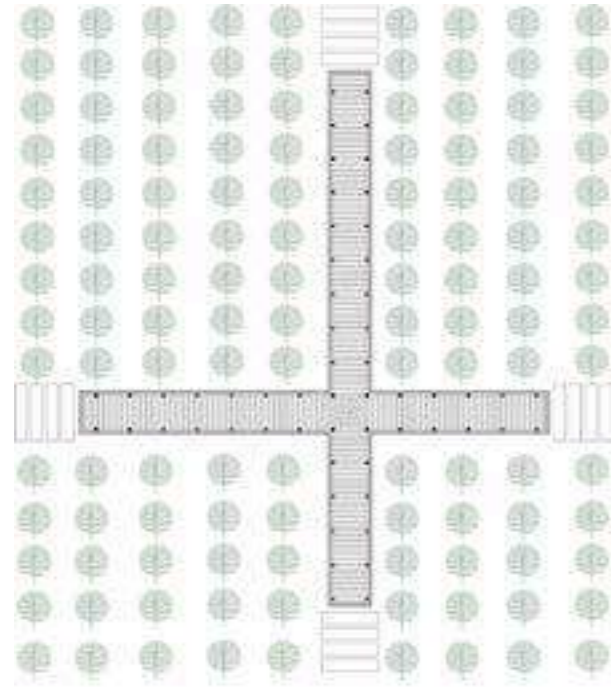
## ACADEMIC

Re-thinking mental stigma  
Urban plaza  
Hexagonal tower  
Contour studio

## INTERNSHIP

Dilli Streat - Delhi  
PA PA YA - Mumbai  
Puri - Bhuvneshwar  
Maharashtra National Law University

Competitions  
Physical Models



## Re-thinking mental stigma through built environment

Architecture attention towards Mental health, Baramulla, Kashmir

**Program:** The Programme and architecture is adopted by studying the lives of people in this incredible city.

The project's objective is to provide opportunities that involve people understanding, learning or doing something new, working out how to change something in their lives; everything that contributes for a transition.

Psychotherapy and psychiatry are essential means of self-development that incorporates a professional to guide oneself. Proposing spaces for healing, transferring/sharing knowledge and self-learning is what this project aims to achieve.

In order to convey these goals, a mental health center/clinic is essential for users to meet with psychiatrists and clinical psychologists for therapy sessions. As well as, a pavilion that leads visitors into a journey of spaces that reflect the feelings of the mentally ill and an exhibition space to showcase valuable information about mental disorders and great champions who suffered mental diseases, yet were able to achieve great success in their lives.

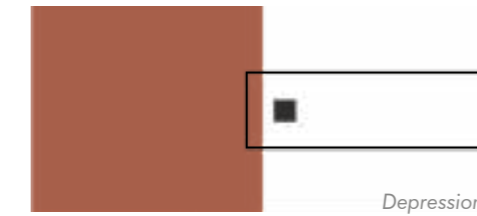
Different people learn in different ways. Some people learn and absorb information mentally, through exposure to ideas, concepts and written or spoken information. Some respond more on an emotional level, through being engaged by what they care about; what they fear or hope for. Loud, outgoing events that makes a big splash and get publicity will work in some places and for some people, while in others it may be more appropriate to take a quieter approach – entering into conversation with existing groups and may be supporting their work.

In addition to that, an awareness center providing auditorium for seminars, lectures and campaigning ground for informative events to take place in order to raise awareness, Offering space for people to talk and listen to each other, as well as having question and answer sessions is important. Also, gather feedback and ideas, so people can see what others are thinking or feeling.

Mental illness is a critical global health issue. It has already affected at least 450 million people worldwide and it is projected to affect more people over the years. In fact, depression, one of the most common mental illnesses, is the leading cause of disability worldwide and a major contributor to the overall burden of diseases. This translates into an increasing strain on various levels such as families, governments and societies.

## Methodology

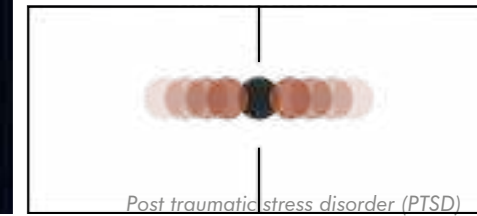
- + Mental illness ?
- + Understanding mental disorders and stigma.
- + Understanding global burden of mental illness.
- + Studying the mental health scenario in India.
- + Considering Kashmir valley confliction.
- + Analysing the issues faced by Kashmiris and how mental illness effects them.
- + Derivation of the design program through analytical study of the site and neighbourhood opportunities.
- + Site analysis: Site topography, climate, architecture context, and living patterns.
- + Case studies for analysing different approach towards the same.
- + Design development using Biophilic architecture concept which helps the healing of mental illness and raise awareness towards mental health.



feelings of severe despondency and dejection.



a feeling of worry, nervousness, or unease about something with an uncertain outcome.



a condition of persistent mental and emotional stress occurring as a result of injury or severe psychological shock.



Ayesha Begum, 58, suffers from PTSD and depression; her son, a militant, was killed in an encounter in Indian-administered Kashmir.



Jameela Banu suffers from PTSD. She spends the day walking through the house, closing windows, doors and locking them repeatedly.



Sarah Banu, I struggle with sleeping. Often, I have panic attacks and my dreams are about my son getting killed.



A 35-year-old women who suffers from PTSD and Depression receiving Multi Behavioural Therapy.



Whenever Qadeer hears loud noises, like bustling music, he starts to panic. At night he has difficulty falling asleep.



Kashmiri women pray at the Makhdoom Sahib Shrine in Srinagar. The popular shrine often provides solace and comfort to those suffering from mental trauma.



## The Kashmir valley in context

In populations affected by conflict, mental health is further undermined by the psychological and social impact of political instability and exposure to traumatic events.

Although challenging, conducting research in conflict-affected populations is of paramount importance as it has the potential to inform and strengthen policy and programming, and thus improve service delivery and assist in the process of rebuilding lives and society

Expressions of disappointment, anger and hopelessness in addition to conflict-related stress, mental illness, suicide and drug addiction have been reported as prevalent in Kashmir's youth.

## Legacy of political insecurity in Kashmir

- 70,000 lives lost
- 10,000 missing persons
- Highest youth unemployment rate across India
- Lack of private investment in industry, resulting in an under-developed employment market
- Fractured and undependable tourist industry
- Uncertainty about future
- Traumatized population
- Breakdown of socio-cultural support systems



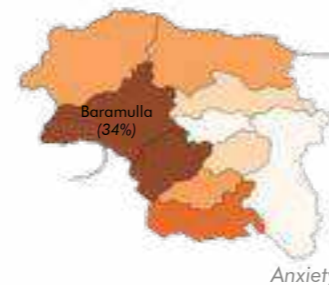
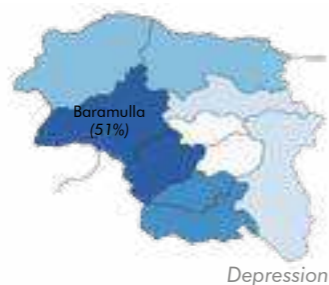
Kashmir's only psychiatric hospital, the Institute of Mental Health and Neurosciences, in Srinagar.



A nine-year-old Kashmiri girl receives treatment for a mental disorder.



Patients wait for their turn outside the psychiatric section at Sri Maharaja Hari Singh hospital in Srinagar.

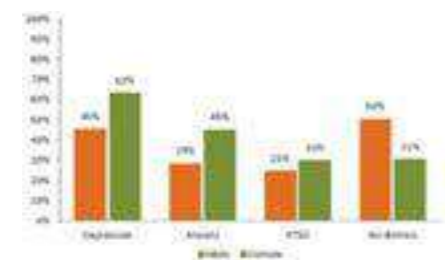


Approximately 1.6 million adults (41%) in the valley are living with significant symptoms of depression, (10%) meeting all the diagnostic criteria for severe depression.

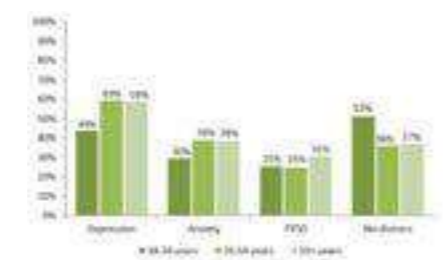
An estimated 1 million adults (26%) in the valley are living with significant symptoms of an anxiety-related disorder.

Nearly 1 in 5 adults (19%) of individuals in the Valley are living with significant PTSD symptoms, with (6%) meeting the diagnostic criteria for PTSD.

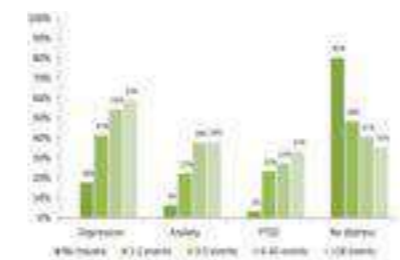
The district of **Baramulla** has reported the highest prevalence rates of symptoms for all three mental disorders. As the district is facing dual confliction, Internal Independence and cross-border confliction



Weighted prevalence of adults in Baramulla with mental distress, by sex

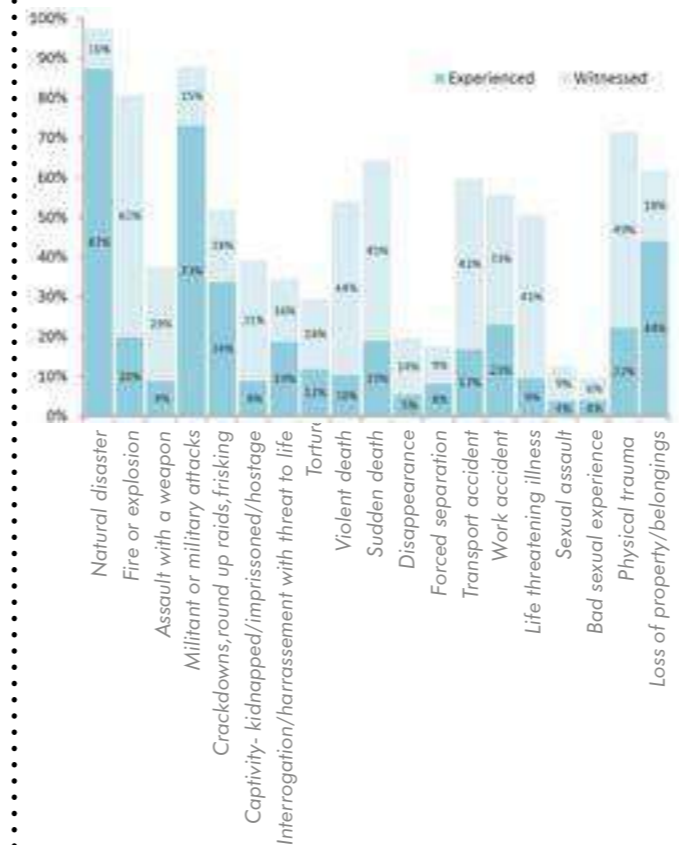


Weighted prevalence of adults in Baramulla with mental distress, by age group



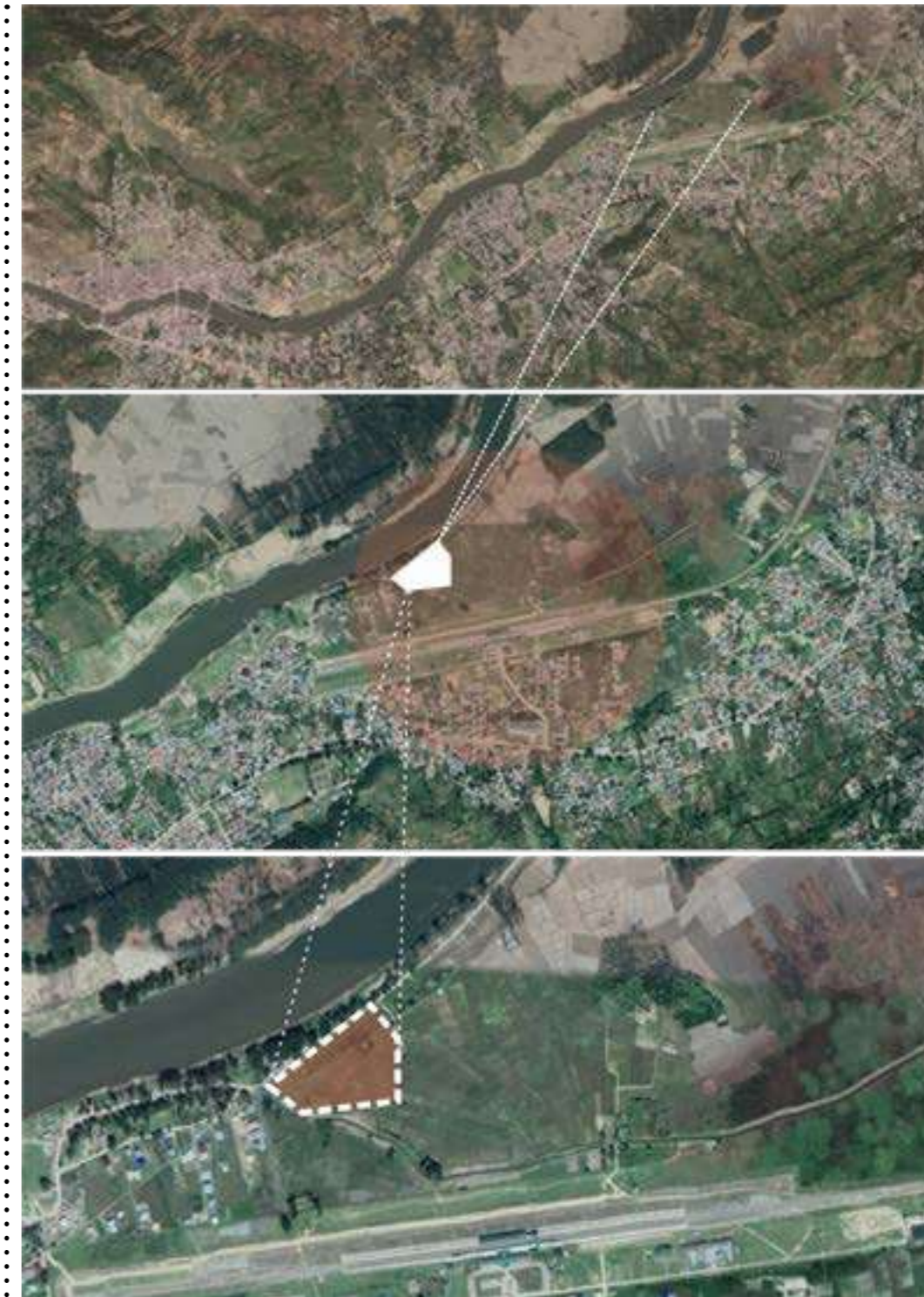
Weighted prevalence of adults in Baramulla with mental distress, by no. of traumatic events experienced

## Weighted prevalence of traumatic events experienced or witnessed by adults in Baramulla



## District Mental Health aims:

- To offer a decentralised community-based approach to mental health
- To increase awareness about mental health problems and effective health-seeking patterns
- To provide adequate services to promote early detection and treatment of mental illness in the community and in both outpatient and inpatient department facilities with appropriate follow-up



## BARAMULLA

LONGITUDE- 34.1980 ° N  
LATITUDE- 74.3636 ° E

The town is located on the either banks of river Jhelum about 55kms away from the capital city of Srinagar.

Near to baramulla railway station and the new developing area of the town.

Although, it is located in the outskirts of the city it is well connected through the main road and railway network.

Site Area- 73,390 sqm

Site land can be used for education and research according to the Draft master plan of the town.





This dissertation focuses on understanding the common mental disorders and giving an architectural solution considering the conflicted zones.

Not just by acting core to the architectural project. problem of the architectural design of the psychiatric institution by pointing out that space, together with time, is one of the axes on which behaviour is organized: the personality responds to its environment.

On this basis on all the facts of personality which can be affected by such concepts as space, territoriality, movement, relationship, and the consequences of spatial arrangement which are simply varying degrees of bipolar behaviour: solitude/community, small group/large group, relaxation/activity, dependence/independence, security/insecurity.

The practicalities of architectural design of such an collaborations is being dealt through exploring concepts

With the provision of basic amenities like education and healthcare, which are critical during conflict, this project tries to achieve a lot more than just solve problems through building. Through interaction, the attempt is to start a dialogue leading to reconciliation.



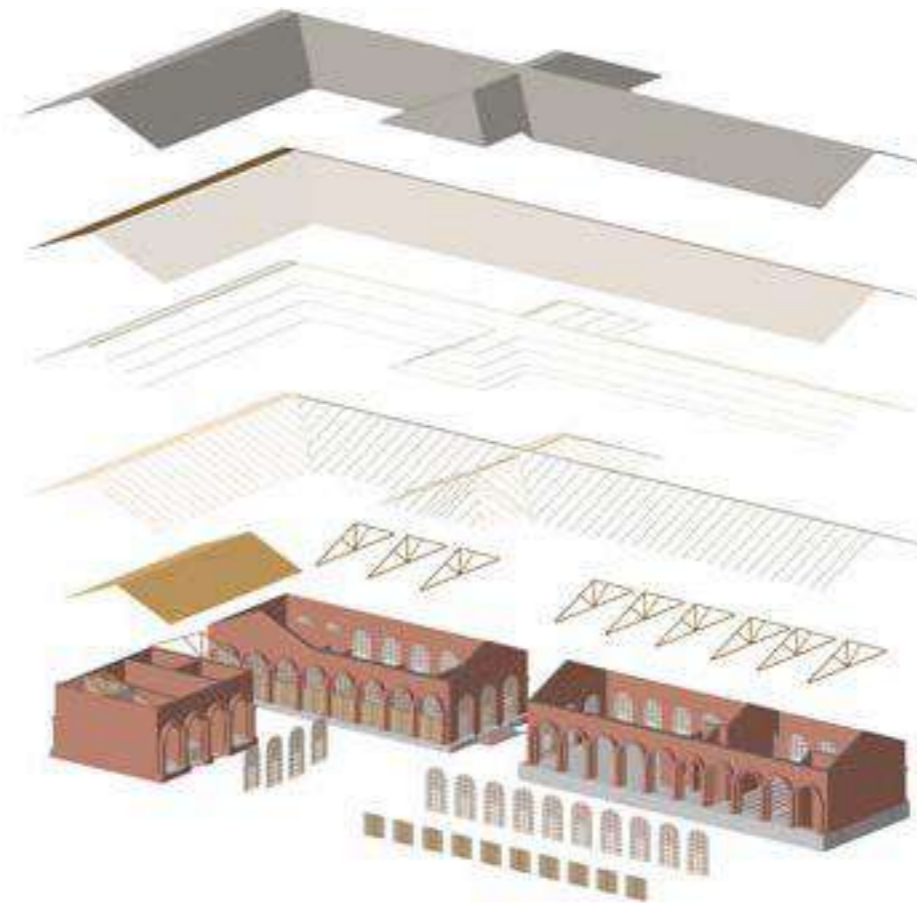


# SITE PLAN

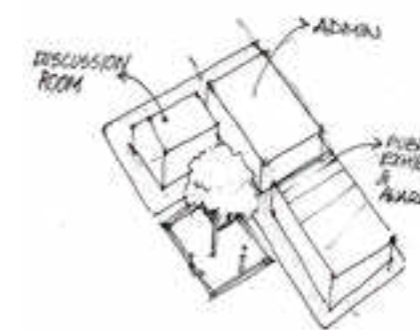
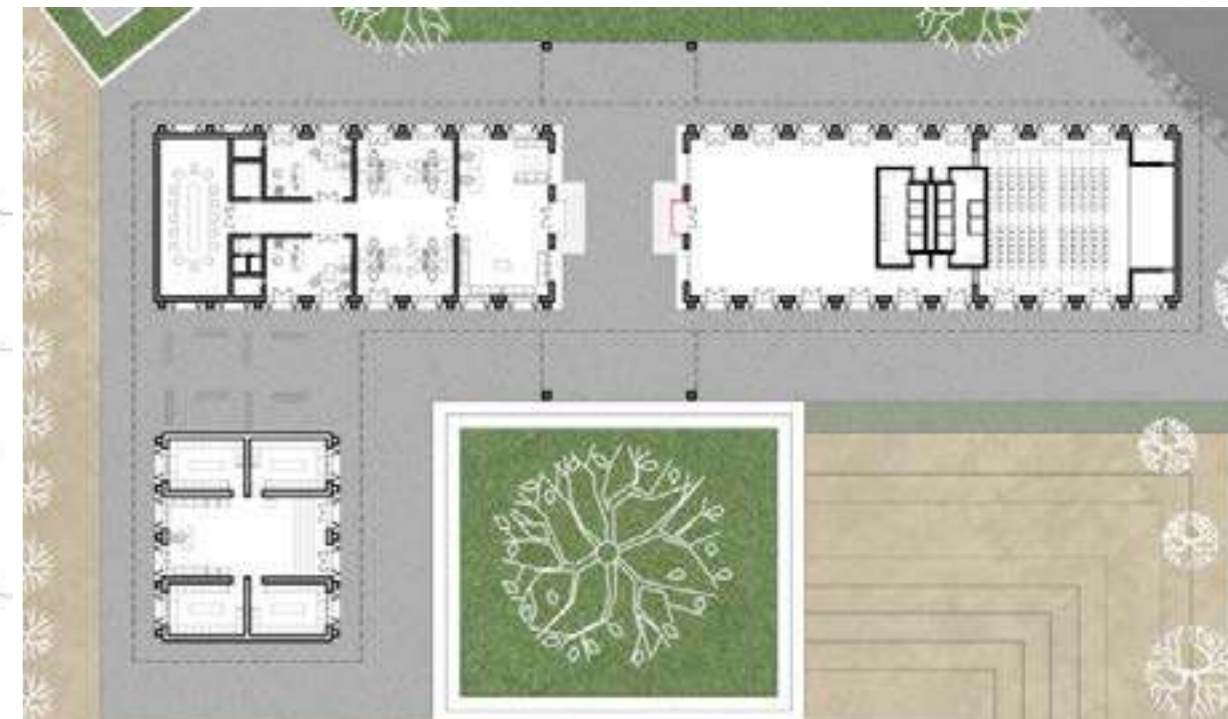
- 1. Awareness Centre
- 2. Mental Health Centre
- 3. Activity Centre
- 4. Sports Complex
- 5. Market area
- 6. Campaigning ground
- 7. Flora garden
- 8. Canteen
- 9. Main plaza
- 10. Walkway pavilion



## Awareness centre



An awareness center providing auditorium for seminars, lectures and campaigning ground for informative events to take place in order to raise awareness, Offering space for people to talk and listen to each other, so people can see what others are thinking or feeling.



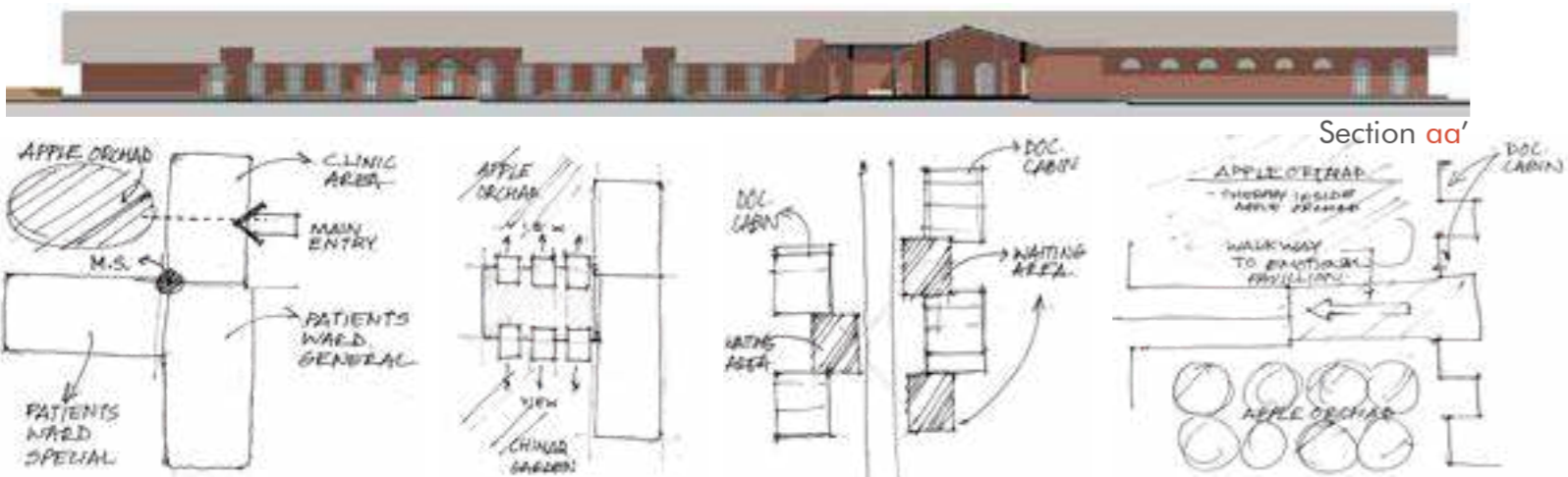
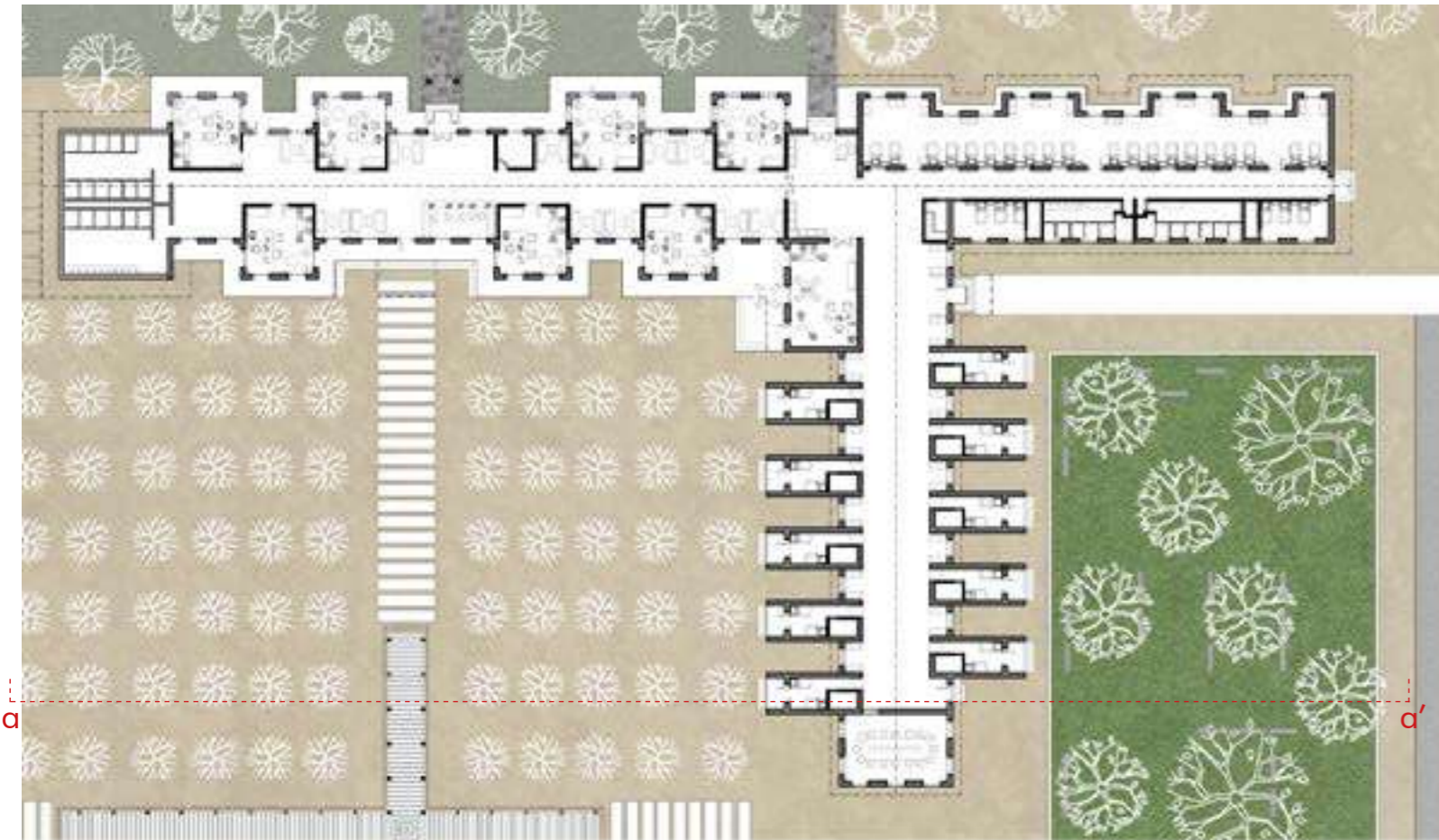
An exhibition space to showcase valuable information about mental disorders and great champions who suffered mental diseases, yet were able to achieve great success in their lives.

Different people learn in different ways. Some people learn and absorbs information mentally, through exposure to ideas, concepts and written or spoken information. Some respond more on an emotional level, through being engaged by what they care about; what they fear or hope for. Loud, outgoing events that makes a big splash and get publicity will work in some places and for some people, while in others it may be more appropriate to take a quieter approach – entering into conversation with existing groups and may be supporting their work.





## Mental Health Centre



A mental health centre is essential for users to meet with psychiatrists and clinical psychologists for therapy sessions. As well as, Psychotherapy and psychiatry are essential means of self-development that incorporates a professional to guide oneself. Proposing spaces for healing, transferring/sharing knowledge and self-learning is what this project aims to achieve.



Patient's ward

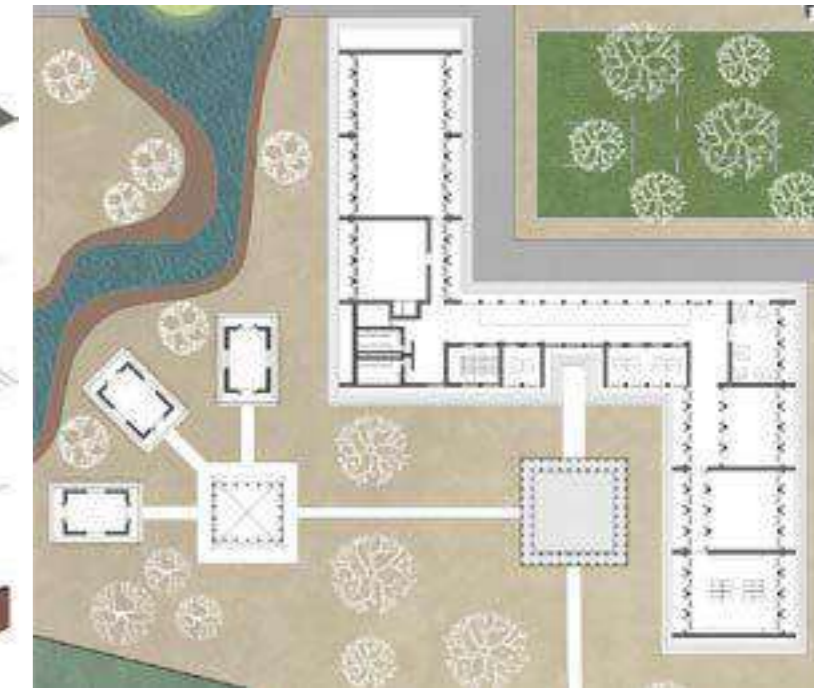
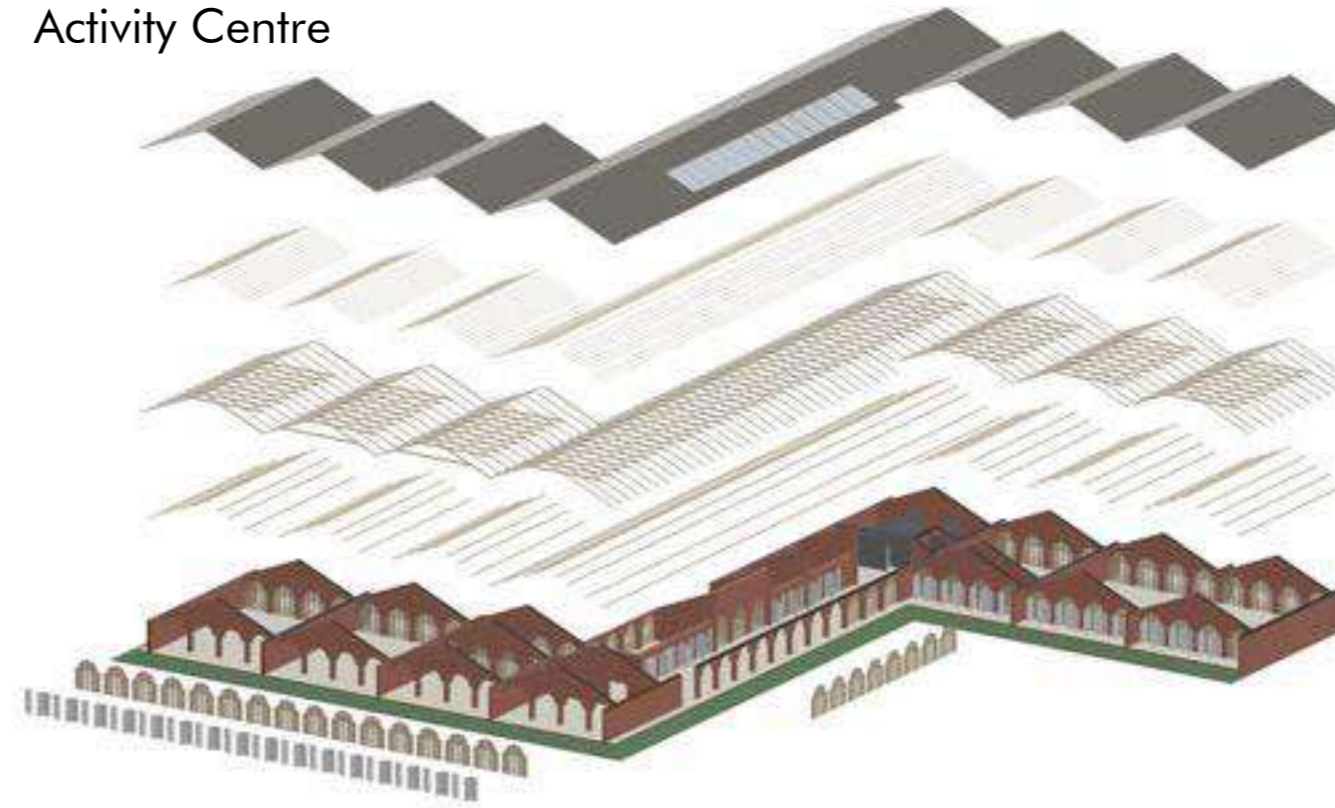


View from Doctor's cabin



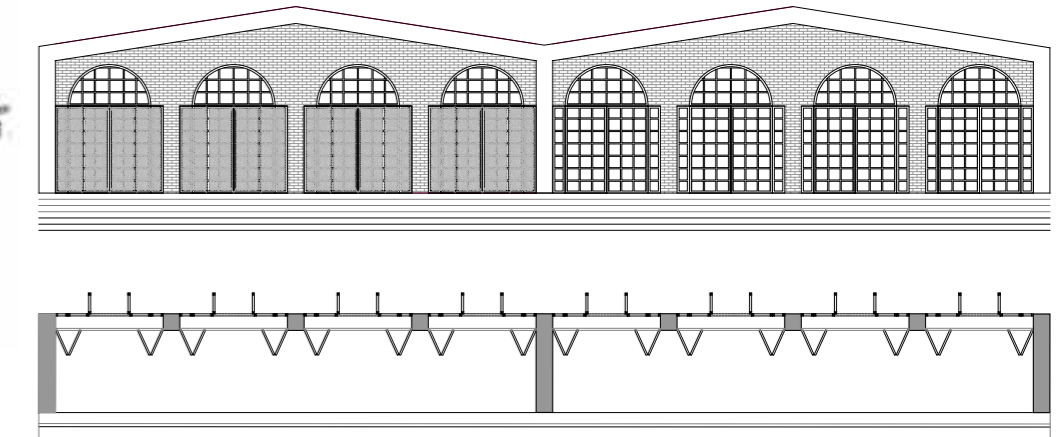
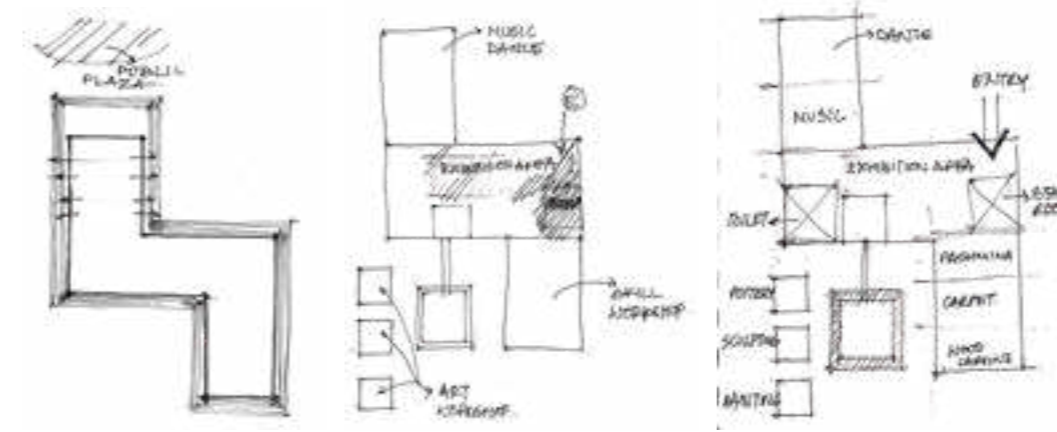
Patients ward opens in apple orchard

## Activity Centre



An Activity centre is the building which serves the community by providing the basic amenities like Art, Culture, Music.

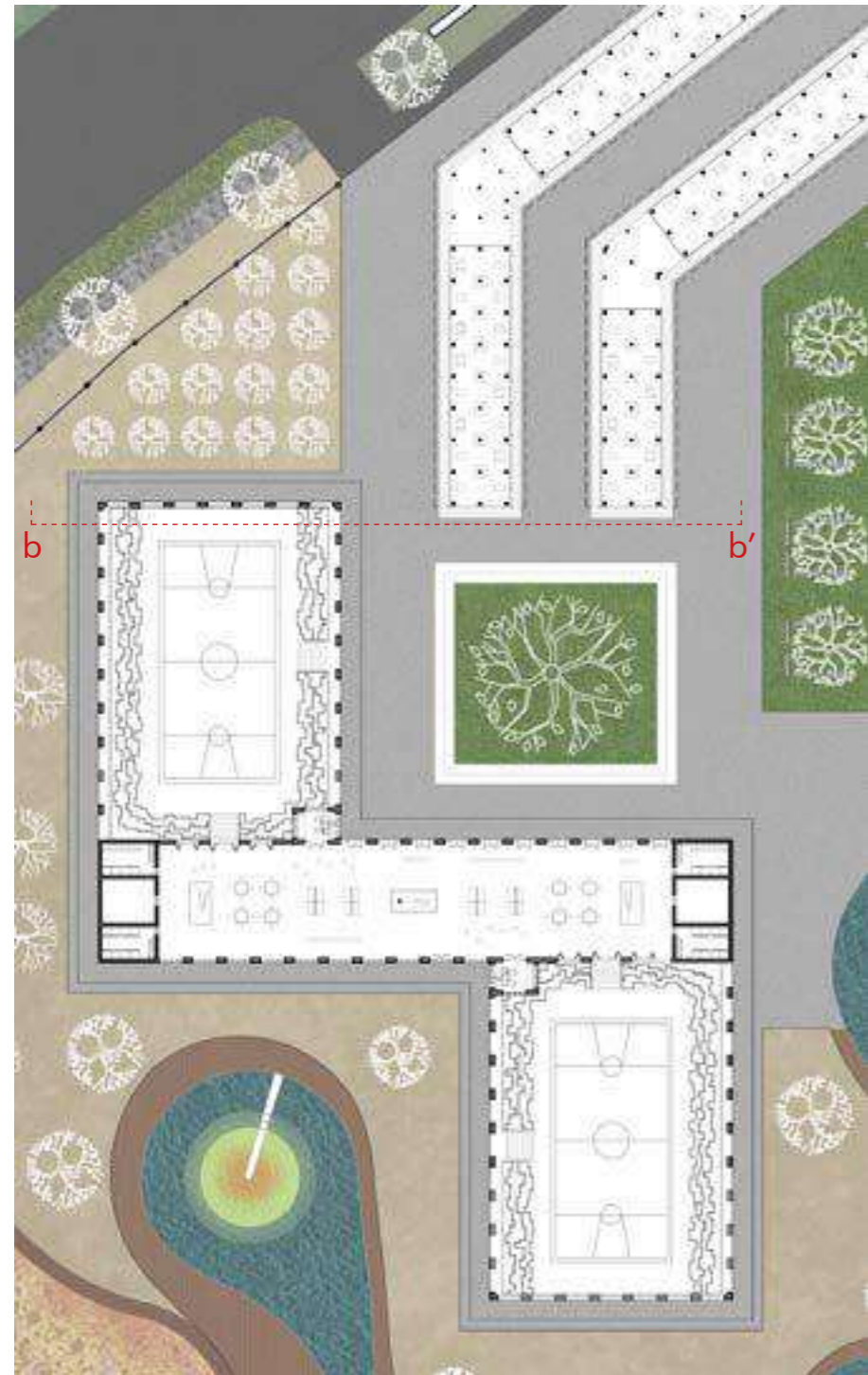
By the provision of basic amenities, this project tries to achieve a lot more than just solve problems through Building. Through interaction, the attempt is to start a dialogue leading to reconciliation.



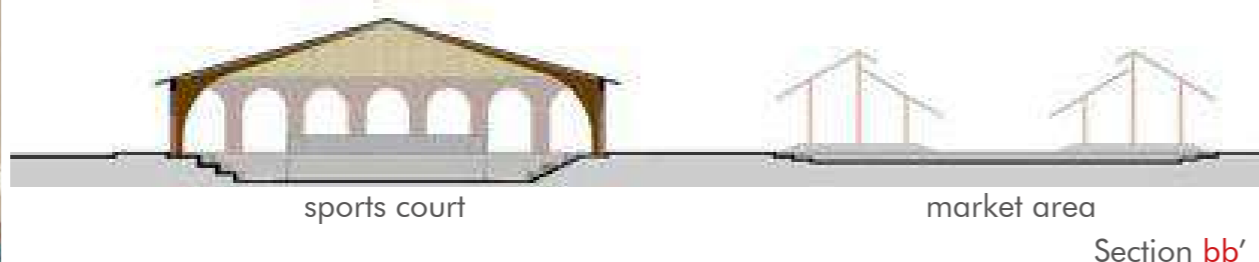
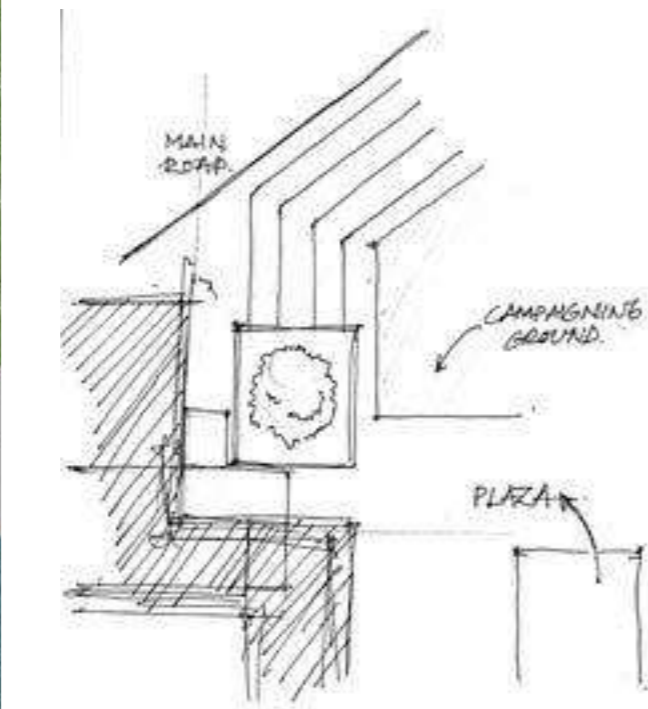
Part Elevation



# Sports Centre



As the town doesn't have any public space for young people during winter's and rainy season. The program serves to them by providing shaded multi-purpose court and an indoor games area. The market place is an open platform for those who want to earn by selling their crafts and the plaza between market serves as a place for public interaction and helps in understanding mental stigma.



Shaded sports court



Multipurpose court for Volleyball, Basketball etc.



Connecting plaza for market and sports complex

# Walkway Pavilion



Aerial view of emotional walkway pavilion and its connection to campaigning ground and main plaza

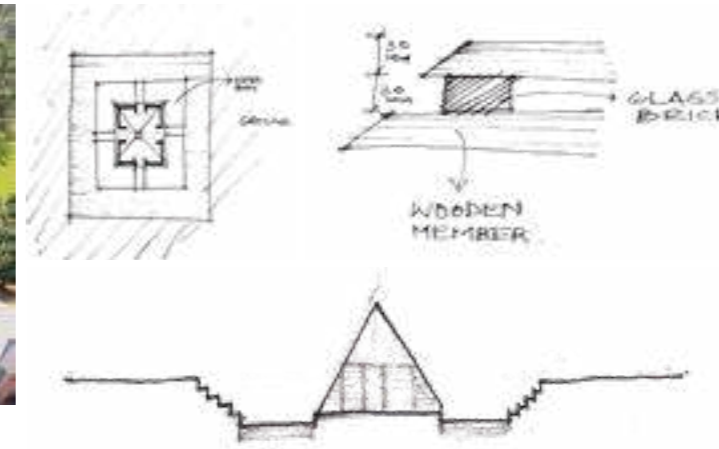


Emotional walkway is also the major connection to the functions



Emotional walkway is surrounded by apple orchard and gives to individual to share their feelings

# Canteen



Aerial view of canteen and its connection with clinic and activity centre



Canteen and gives to individual to share their feelings



Bus stop



View from road side walkway showing transparency of site through compound wall



Observation deck around flora garden





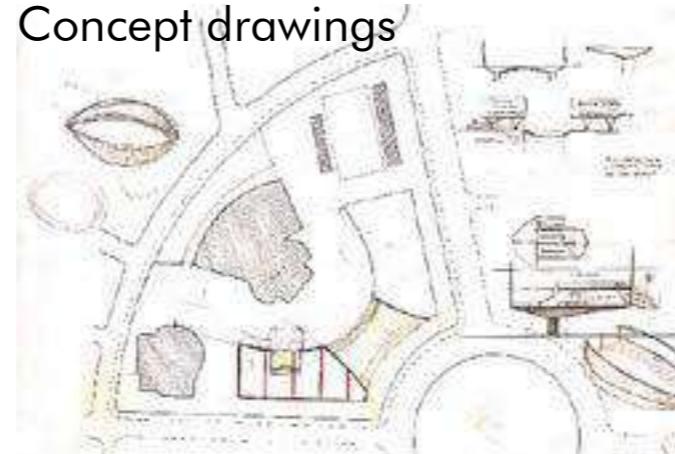
## Urban Plaza

Approach to provide a Public park on the top of the building; and retaining the identity of existing inboundary structures

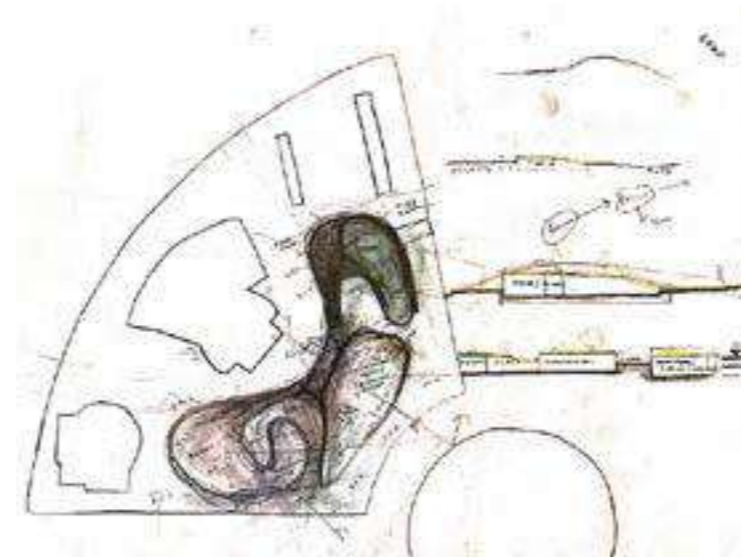
**Program:** Civic Centre

**Location:** Bhavnagar, Gujarat, INDIA

## Concept drawings



- Trying to maximize the green space on ground level by pushing the functions above the ground.
- Staircase as focus element and acting as a amphitheatre.
- Covered green space below the built mass.
- Following the sense of existing parking around the site boundary.
- Dividing the functions internally.



- Trying to maximize the green space on ground level by pushing the functions below the ground.
- Easy access to nature.
- Ramp leading to plaza.
- Walkways covered with trees.



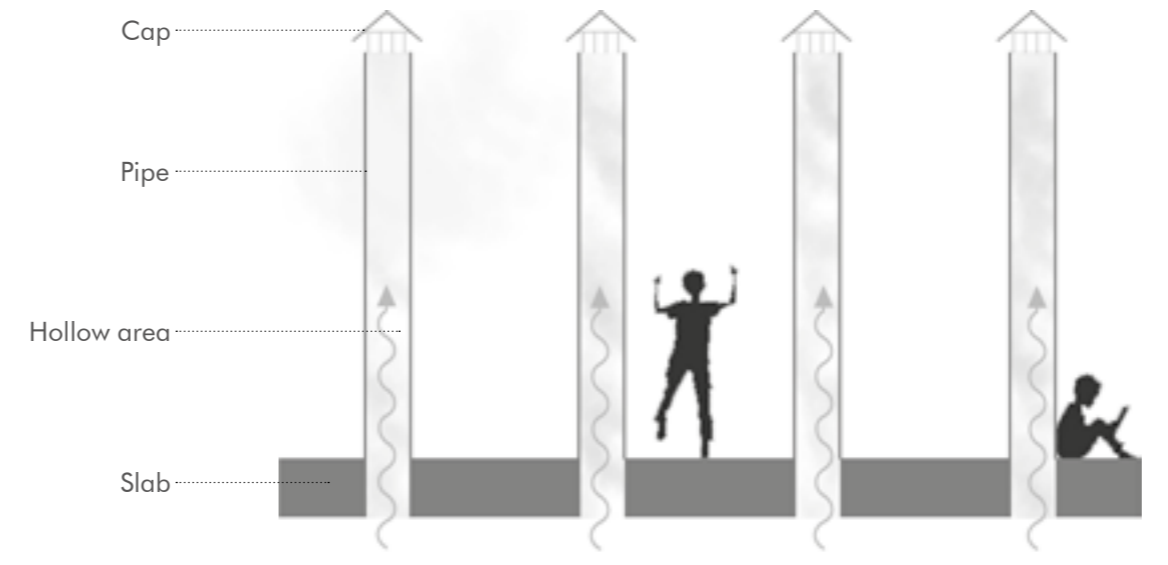
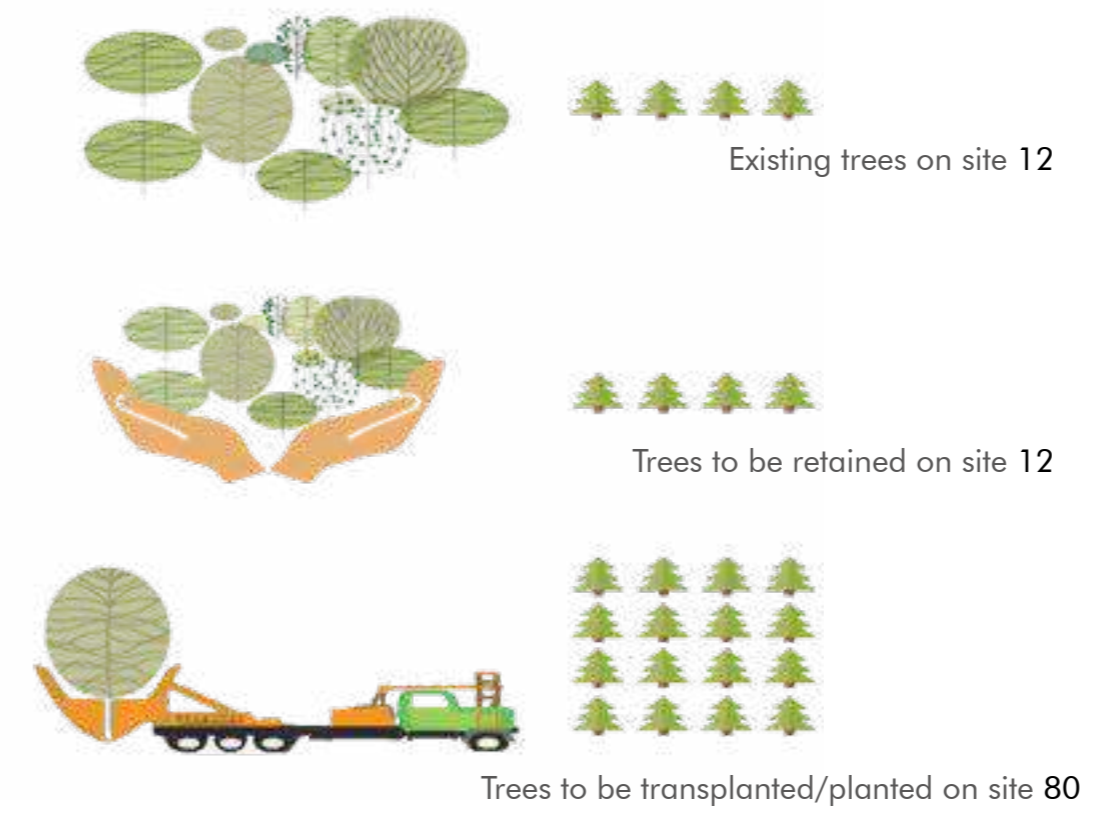
- Green walkways shades with natural trees.
- Open exhibition space along natural walkway
- Walking/jogging track around the play of skylight
- Yoga garden
- Seatings around skylights
- Kiosk shaded with tree
- tree as a signage to the kiosk
- Open exhibition space shaded with trees
- Green roof above the sturcture maximize the green space
- Ramp provided to reach plaza (ratio 1:15)
- Maintaining the existing identity of the site by providing same entry, same parking and response to the existing building





1. Entrance
2. Existing museum
3. Existing auditorium
4. Existing swimming pool
5. Start of natural walkway
6. Open exhibition space shaded with trees
7. Walkway along trees
8. Plaza foyer
9. Main plaza( lvl -3.0m )
- 10.Ramp leading to main plaza( ratio 1:15 )
- 11.Walking/jogging track
- 12.Skylight garden
- 13.Yoga garden
- 14.Canteen
- 15.Cafe amphitheatre
- 16.Cafeteria garden
- 17.Blood bank van space
- 18.Garden with shopping kiosks
- 19.Parking
- 20.Pedestrian entry
- 21.Existing entry of swimming pool
- 22.Main road

SITE PLAN North



Pipe for air ventilation acting as an element of park.



Aerial view of walking/jogging track around the play of skylight



Trees with their individual identity as a signage of Kiosk in park

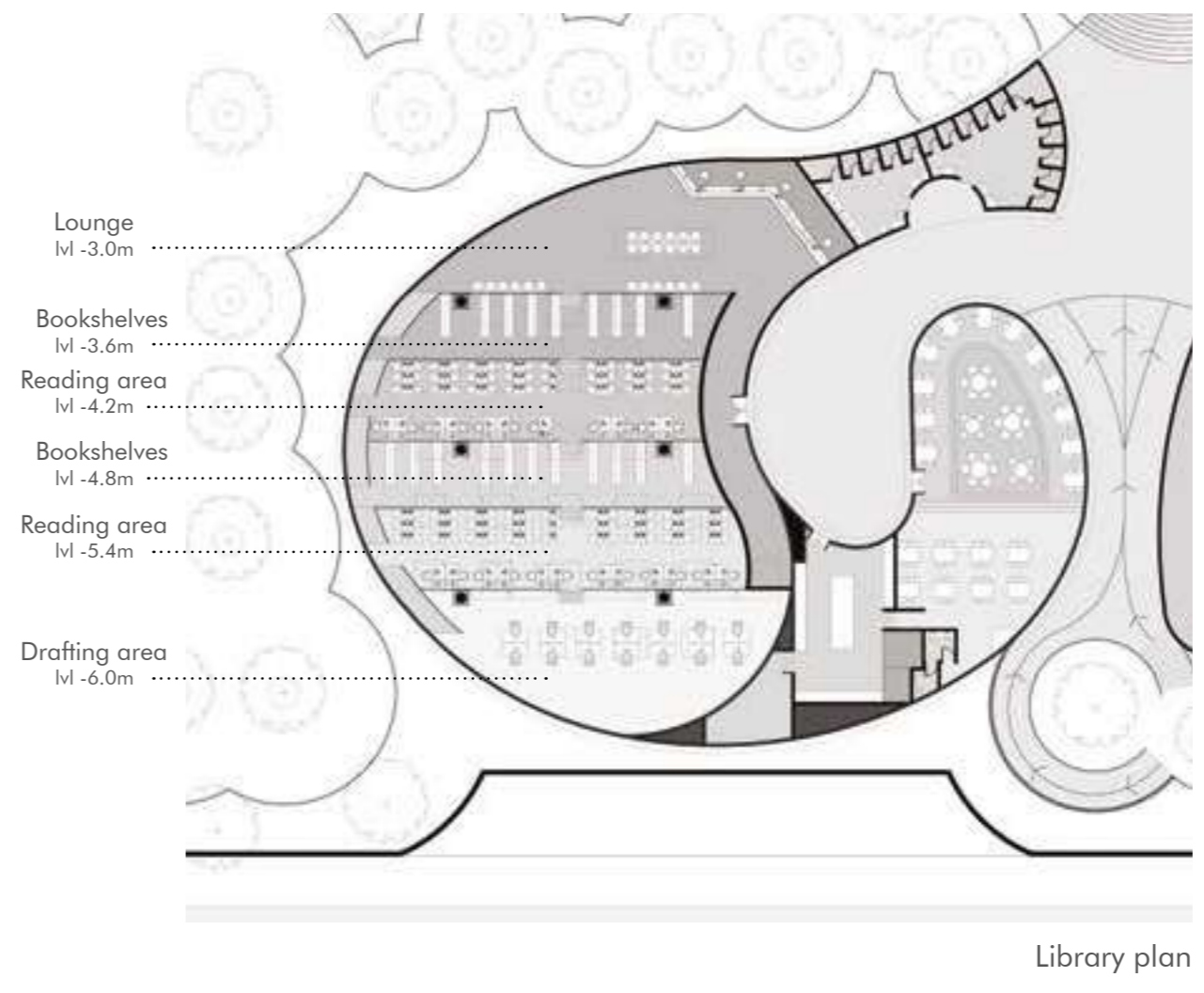
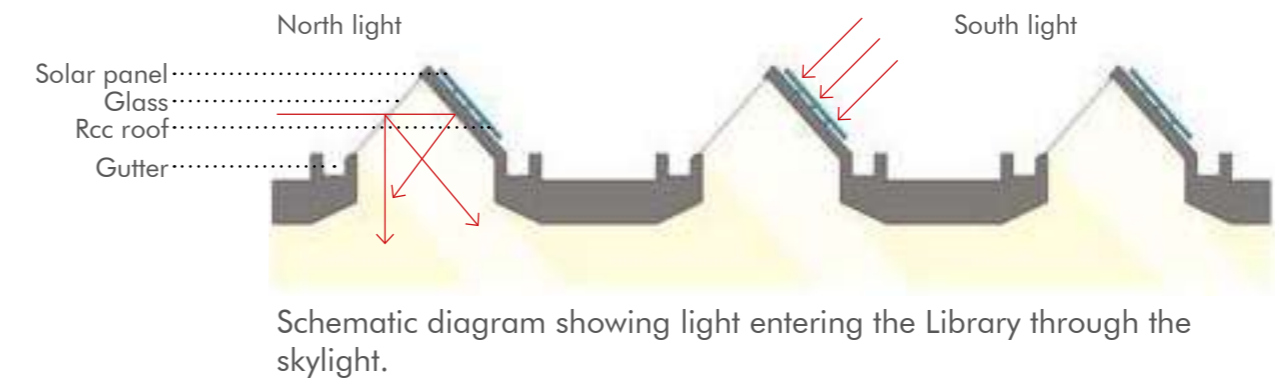
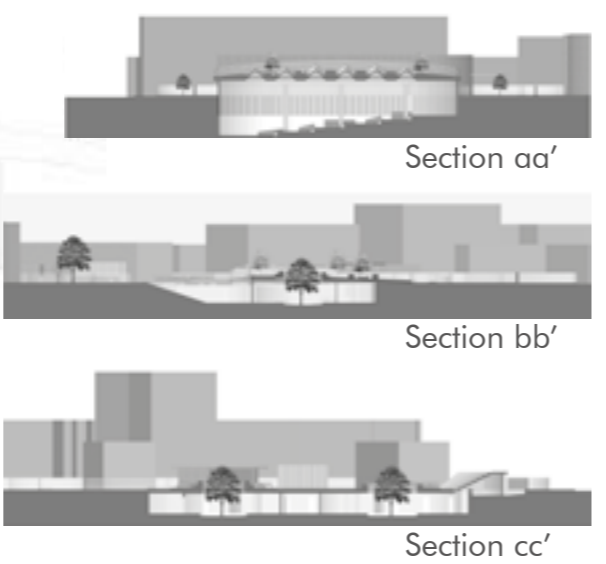


View from the amphitheatre of cafeteria





- A. Library**
- B. Restaurant**
- 1. dining area
- 2. kitchen
- 3. storage room
- 4. washing area
- C. Toilet**
- D. Government offices**
- E. Blood bank**
- 1. entrance foyer
- 2. workstation
- 3. conference room
- 4. blood donating hall
- 5. nurse rooms
- 6. doctor's cabin
- 7. cold storage
- 8. research lab
- 9. toilet
- F. Administration**
- 1. lounge
- 2. server/storage room
- 3. workstation
- 4. manager's cabin
- 5. conference room
- 6. pantry
- 7. toilet



View of skylight and yoga garden on the roof of Library



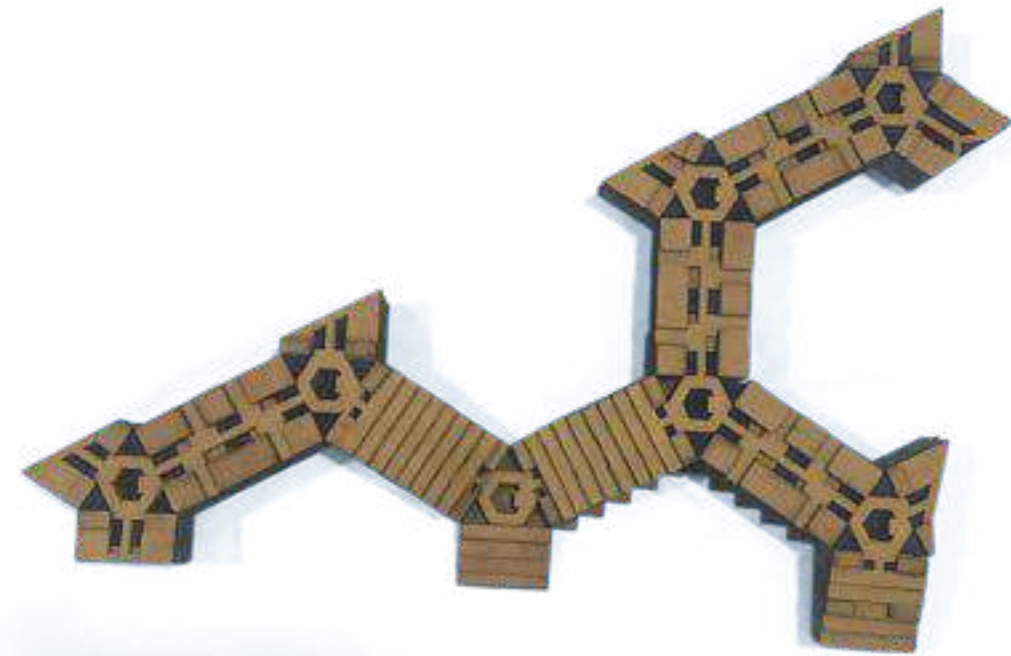
Walkways shaded with natural trees



Aerial view

Library plan





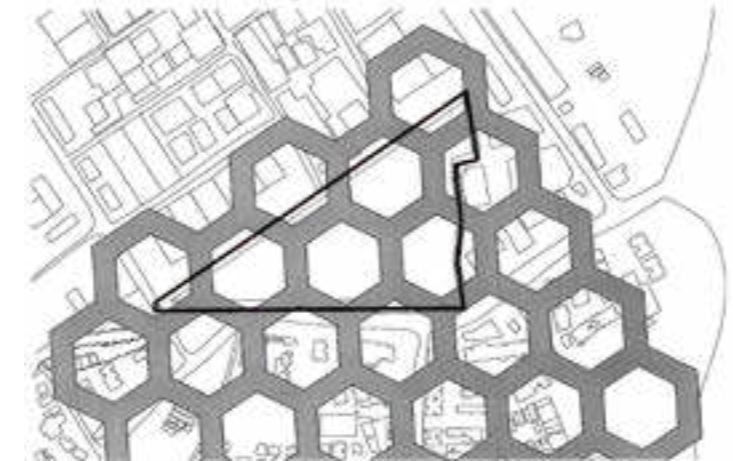
## Hexagonal Towers

Maximizing social interaction a floor above and a floor below

Program: Housing

Location: Vadodra, Gujarat, INDIA

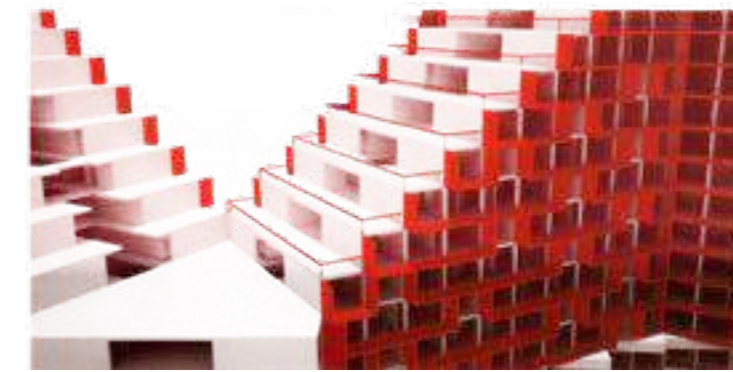
## Layout and Orientation



Superimposition of the hexagons on the site with reference to context and climate



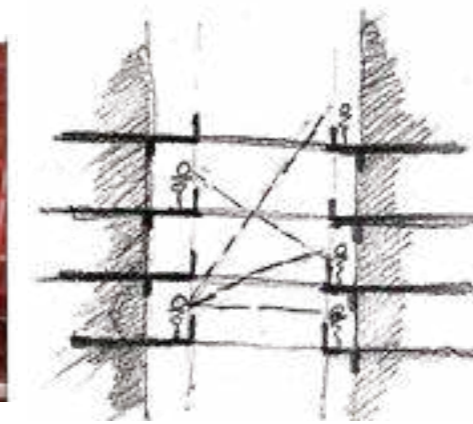
## Units and Interaction among them



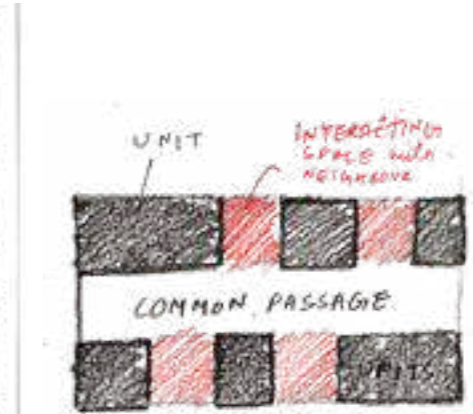
The balcony as an extension to the unit acts as a shading element and controls the climate. The stepped balcony increases visual interaction for the dwellers.



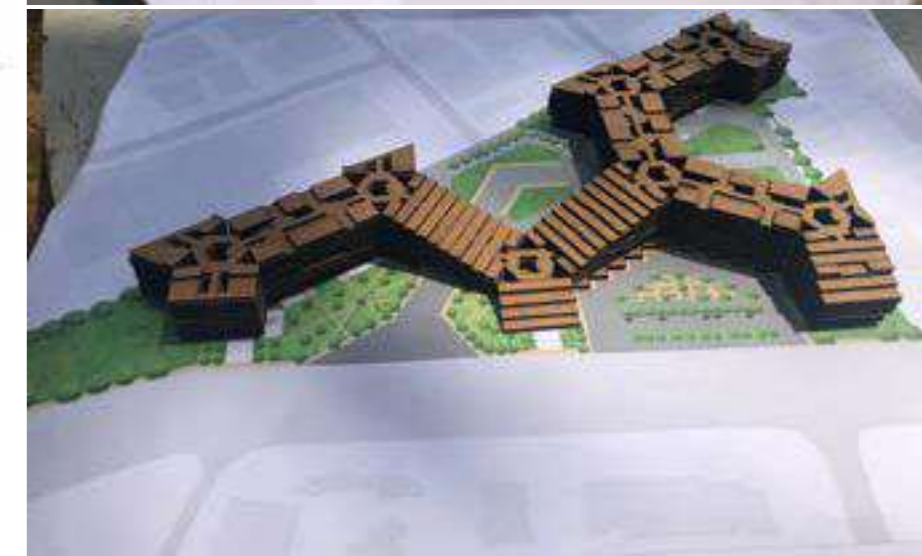
The chawl layout witnessed at the existing housing is incorporated into the proposed housing with different types of units horizontally as well as vertically.



Trying to maximize the visual connection with the friend staying a floor above or a floor below.



To provide an independent units; like all the four sides open and creates the spaces for social interaction.



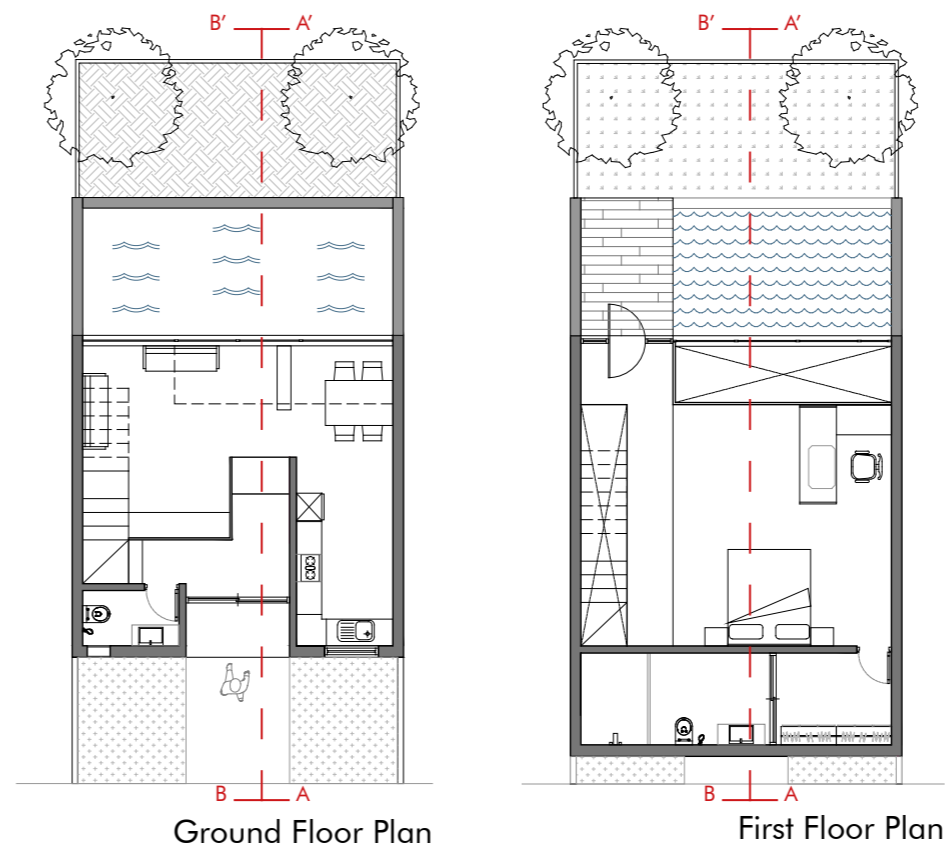




The Anthropometric ratios were explored in a multi functional spaces and the characteristics of the site were used as design concepts.

The design was done with response to the slope gradient of 1:4.

Due to constraint of 49sqm built up rest of the area was treated with landscape.

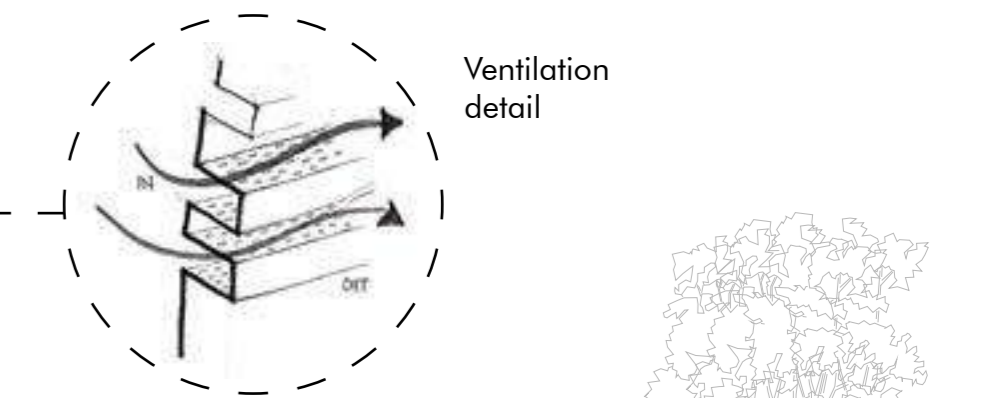


Ground Floor Plan

First Floor Plan

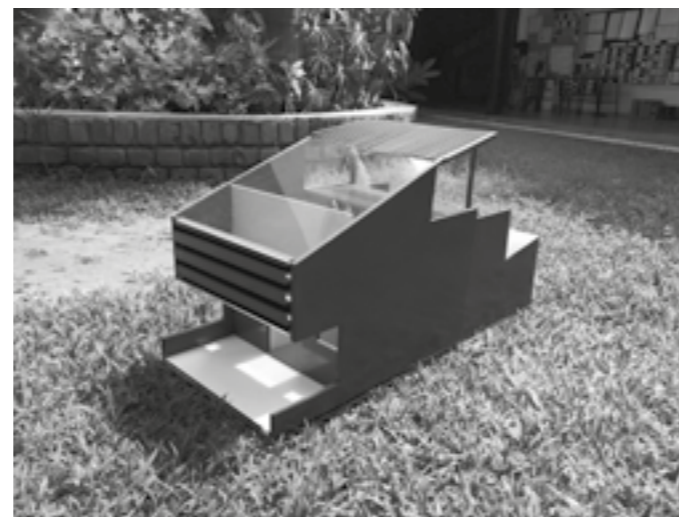


View

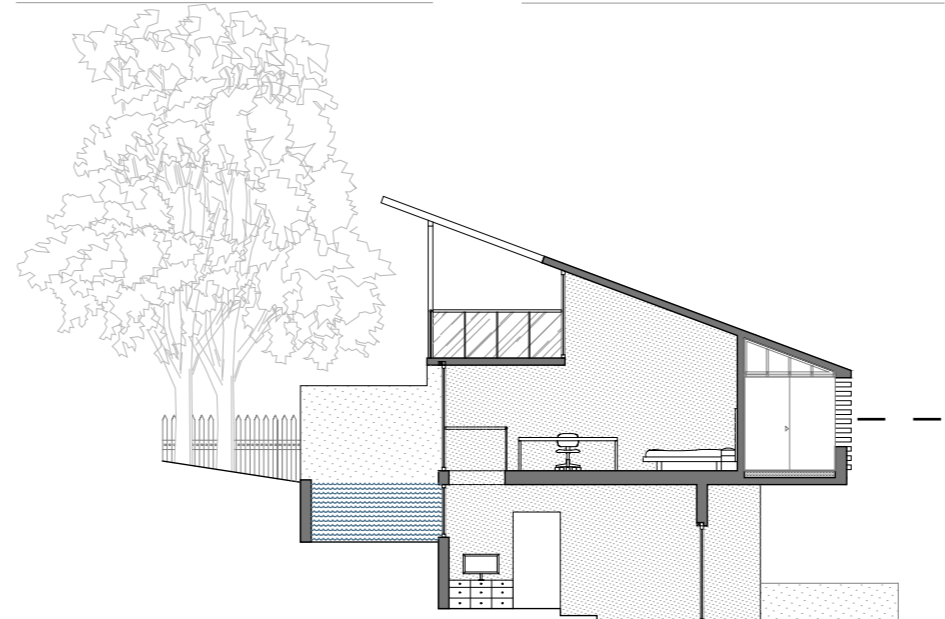


Ventilation detail

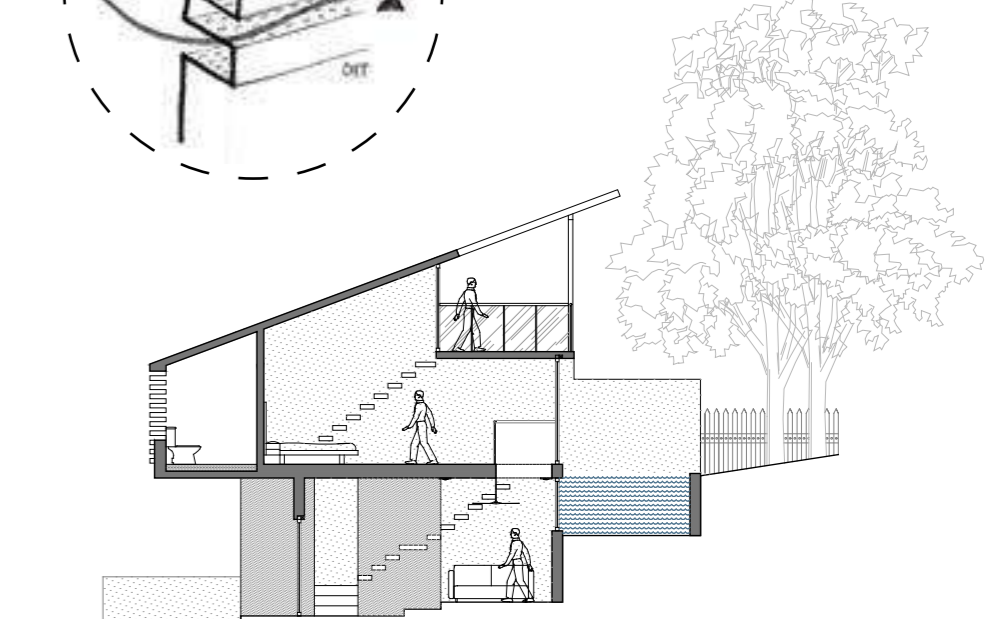
**Contour Studio**  
 Diffuse light coming from pool creates different shadow patterns in Living room  
 Program: Studio apartment



Physical model



Section AA'



Section BB'



# INTERNSHIP

During the five months of my professional internship at sP+a ( Sameep padora and associates ). I participated in various architecture and interior projects and competitions.

My main tasks included building physical and 3D models and producing architecture drawings, presentation and renders as the job demanded.

Working in this studio has really trained me to withstand high-pressure working environment in a team setting. I believe that I have become highly efficient in producing deliverables as the job demanded.

I firmly believe that the skills I have gained in my internship experience has totally equipped me to push myself and perform well in any work settings.

sP+a

22C, New Kothwadi Scheme, New Kothwadi road, Off Turner road, Bandra West, Mumbai, 400050

12/10/2017

## Certificate of Professional Training with sP+a

This is to certify that Mehul Chaudhary, a student from A.P.I.E.D, Gujarat, has worked with us from 1st June to 12th October 2017, as a part of his Professional Practice.

He has worked on the following projects in his tenure with us:

- 1- Travel Food Services - Dilli Street Outlet on terminal T3
- 2- PAPAAYA- Hospitality project at BKC
- 3- Maharashtra National Law University- Competition entry
- 4- Holywit School, Badliapur - working drawings and detailing
- 5- Harish Salot Factory- design development drawings
- 6- 4 Acre Purl - presentation drawings

Mehul has been an enthusiastic intern, and has learnt many skills, directly and indirectly related to projects, in his tenure with us. Despite his inexperience, he has persevered and operated at many different levels from design presentation to working drawings as the job demanded.

I wish him all the best for his future.

For sP+a,



Mythili Kowshik-Shetty (CA/96/20192)

For Sameep Padora

Principal CA/96/20793 (COA registration number)

Authorised Signatory

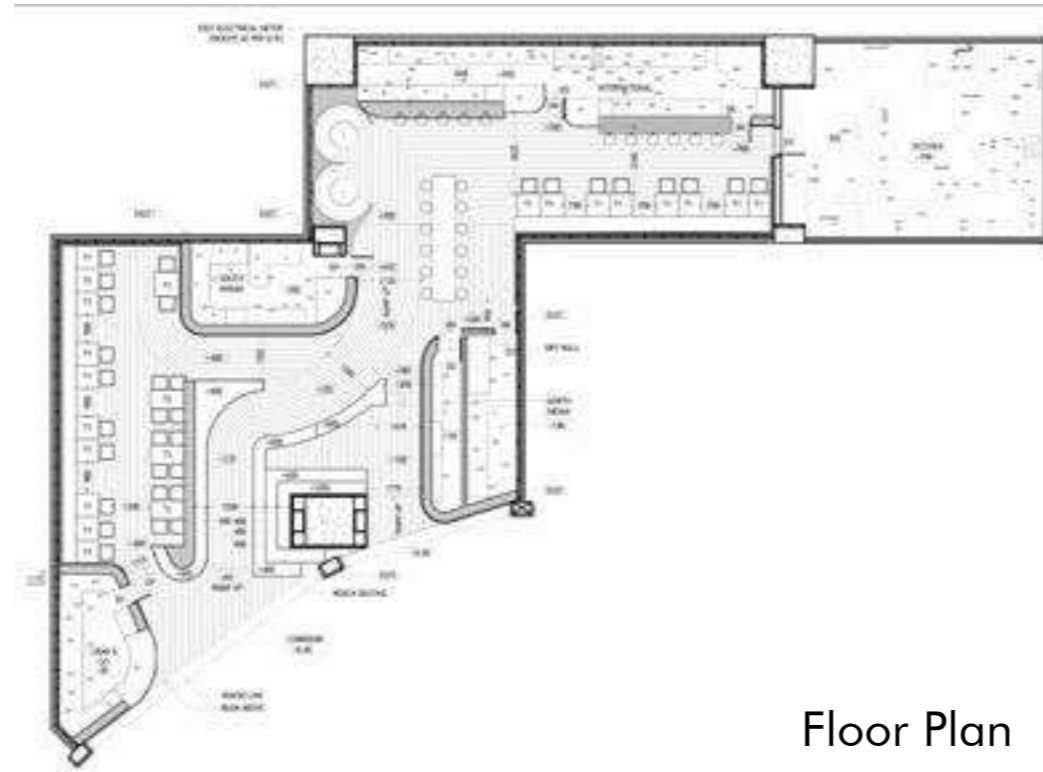


# DILLI STREET by Travel Food Services

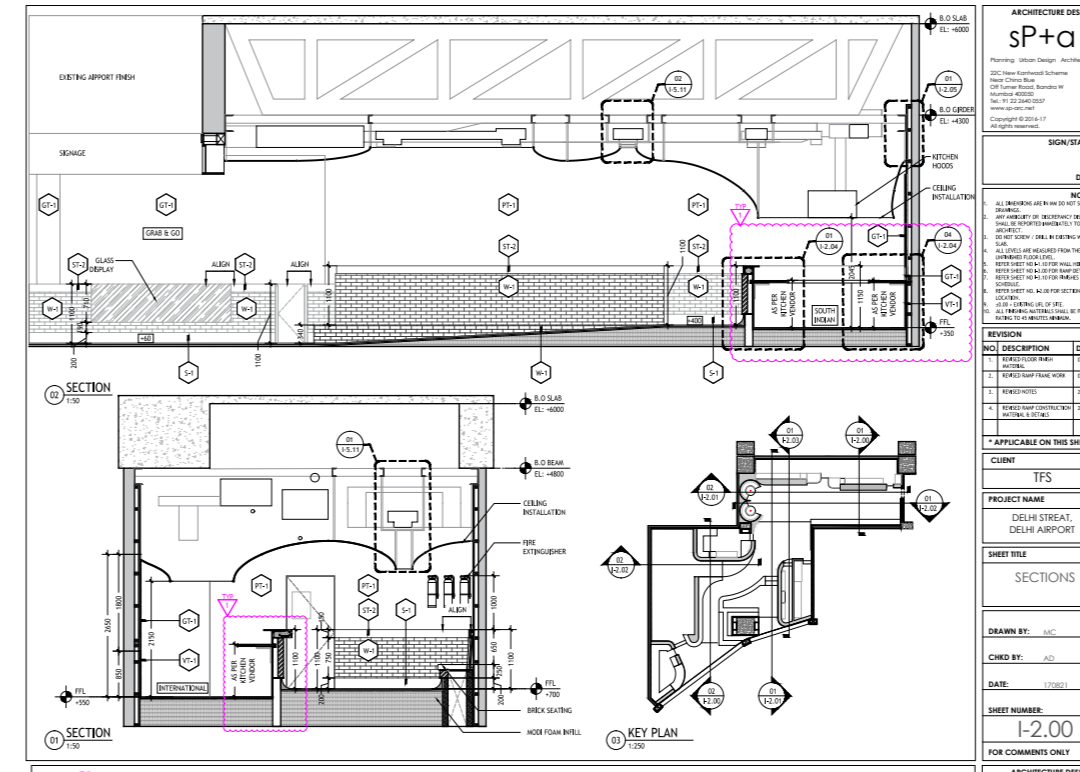
Location: Delhi Airport terminal T3  
[Rhino, Autocad, Photoshop]

This is the one of main project I was majority involved throughout my Professional internship journey.

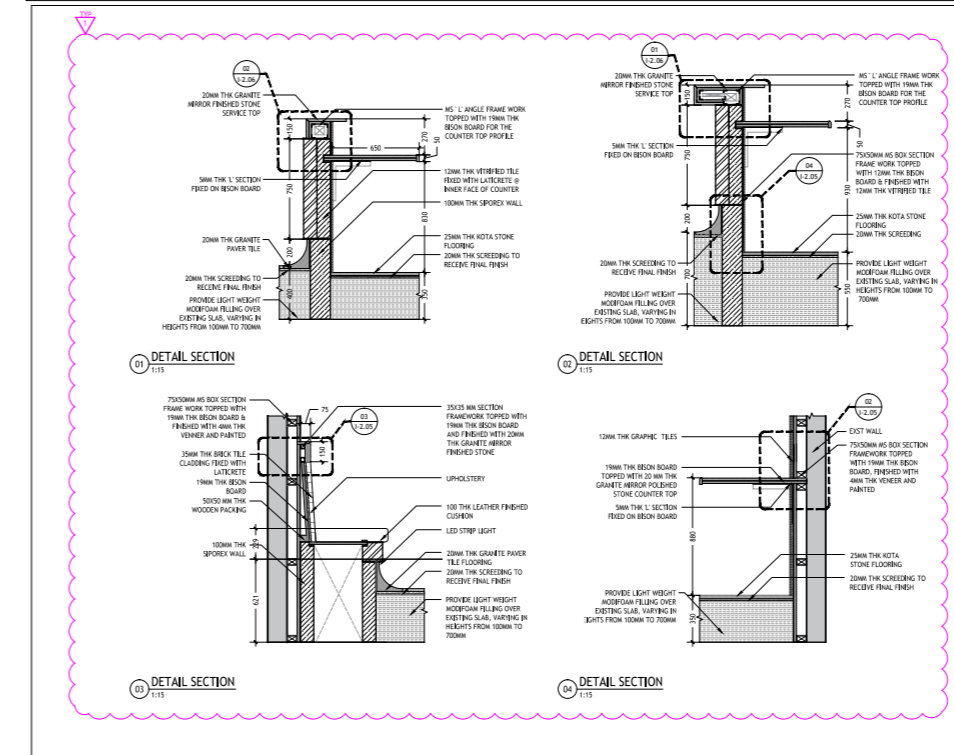
My main role was to design the floor plan and in such a way that it maximize the number of seating. Later, have also produced all the required drawings and 3d model as the job demanded.



Floor Plan



ARCHITECTURE DESIGN		
sp+a		
Planning Urban Design Architecture 2/101 Connaught Place, New Delhi 110087 India Tel: +91 11 26460000 www.sp+a.in		
NO.	DESCRIPTION	DATE
1	DESIGN DEVELOPMENT	01/01/17
2	DESIGN DEVELOPMENT	01/01/17
3	DESIGN DEVELOPMENT	01/01/17
4	DESIGN DEVELOPMENT	01/01/17
* APPLICABLE ON THIS SHEET		
CLIENT		TFS
PROJECT NAME		DILLI STREET, DELHI AIRPORT
SHEET TITLE		SECTIONS
DRAWN BY:		AMC
CHKD BY:		AD
DATE:		170921
SHEET NUMBER:		1-2.00
FOR COMMENTS ONLY		



ARCHITECTURE DESIGN		
sp+a		
Planning Urban Design Architecture 2/101 Connaught Place, New Delhi 110087 India Tel: +91 11 26460000 www.sp+a.in		
NO.	DESCRIPTION	DATE
1	DESIGN DEVELOPMENT	01/01/17
2	DESIGN DEVELOPMENT	01/01/17
3	DESIGN DEVELOPMENT	01/01/17
4	DESIGN DEVELOPMENT	01/01/17
* APPLICABLE ON THIS SHEET		
CLIENT		TFS
PROJECT NAME		DILLI STREET, DELHI AIRPORT
SHEET TITLE		DETAIL SECTIONS
DRAWN BY:		AMC
CHKD BY:		AD
DATE:		170921
SHEET NUMBER:		1-2.04
FOR COMMENTS ONLY		

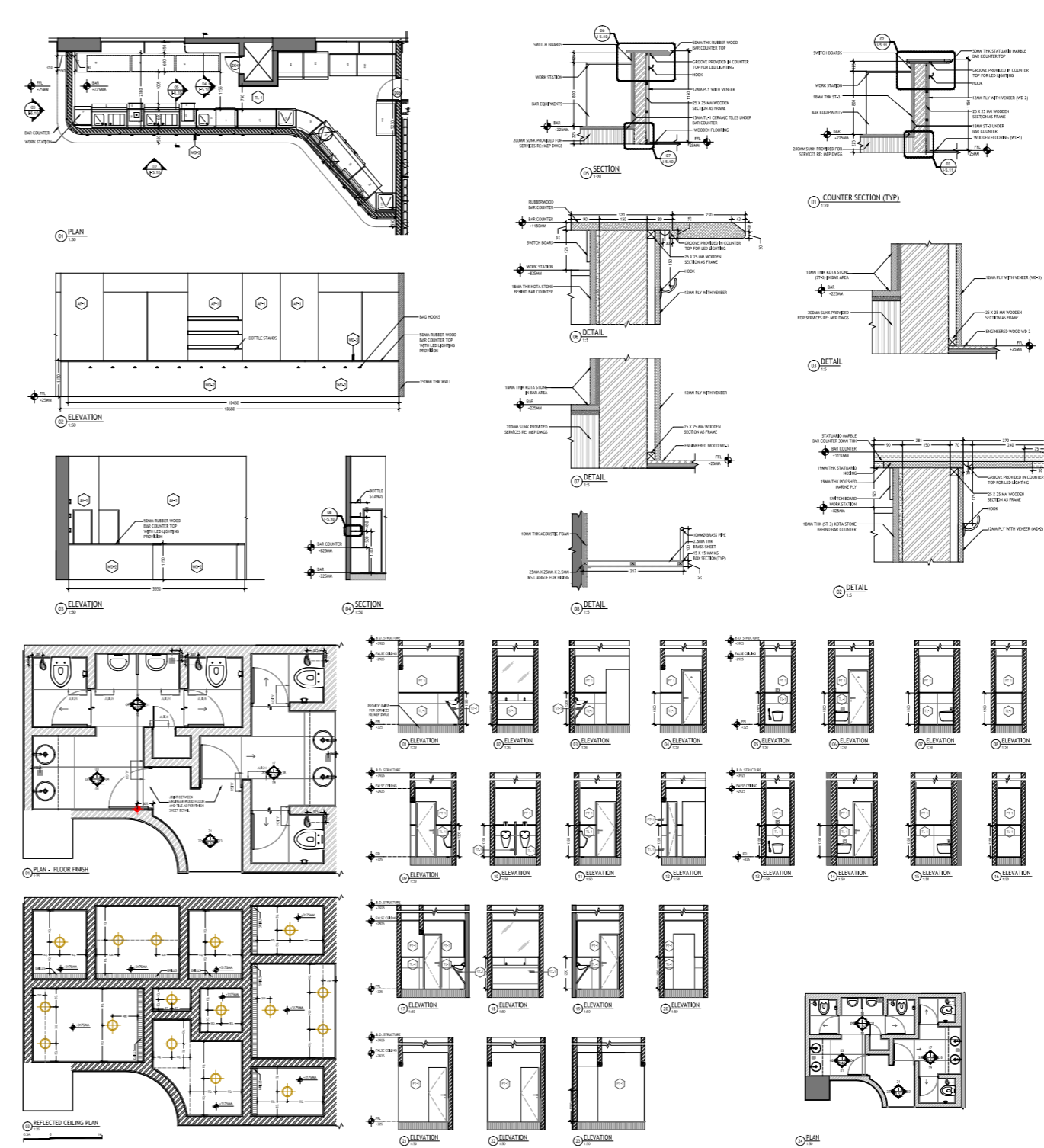
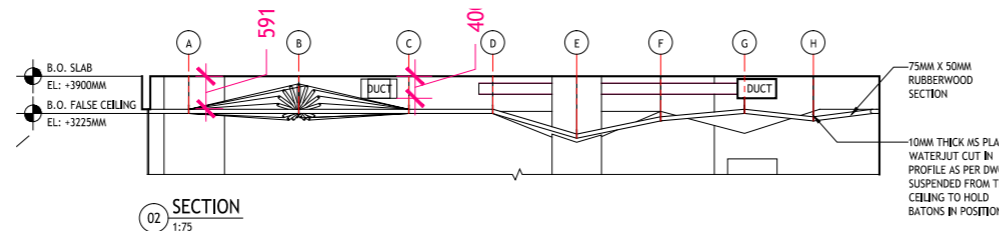
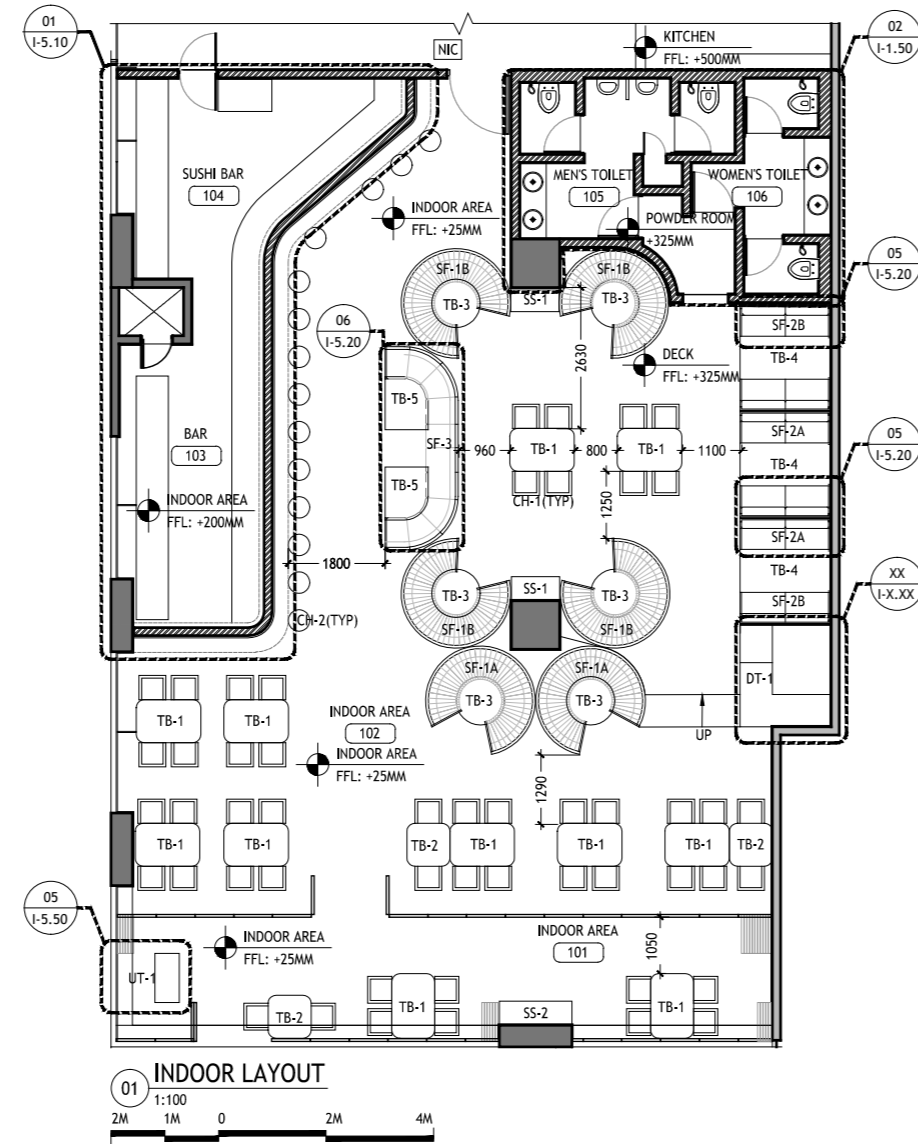




**PA PA YA** by  
**Massive Restaurants**  
 Location: **Bandra Kurla Complex, Mumbai**  
 [Rhino, Autocad]

This is the project I was majorly involved throughout my internship journey.

Intense involvement in designing and execution with constant discussun with associaates. Later my main role was to produce all the required drawings for the site work.





## 4 Acre Puri

Program: Housing and Hotel

Location: Bhubaneswar, Odisha

[Autocad, Photoshop]

My main role in this project was to understand the required units for residential and hotel block and their connection with the functions.

Also, have produced Autocad drawings and Photoshop work as the job demanded.



Site Plan





### Residential Block



2nd floor podium level plan

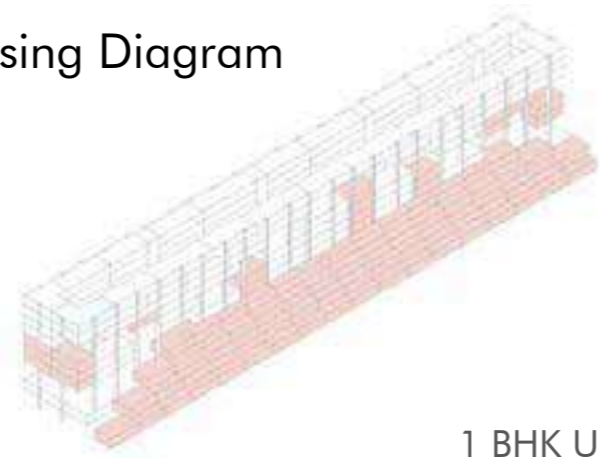


4th floor plan

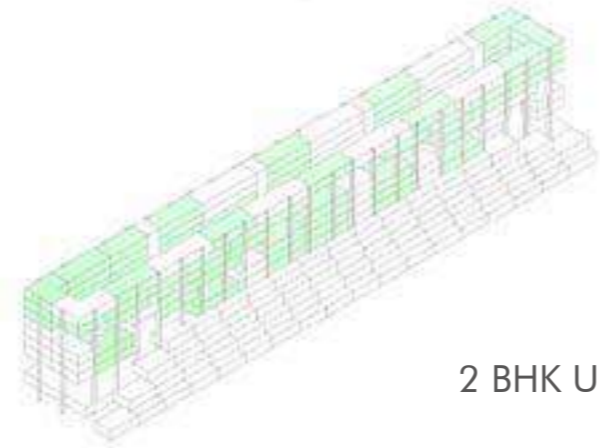


10th floor plan

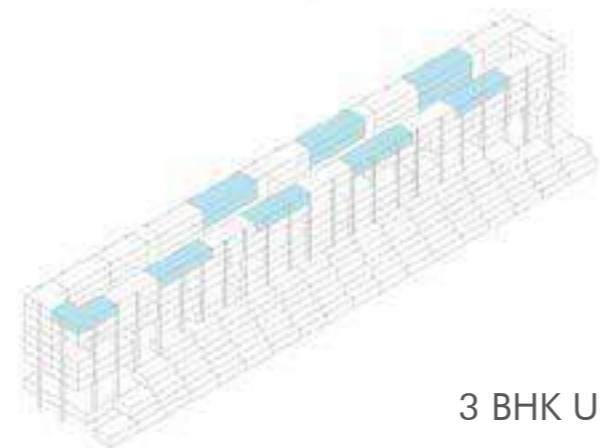
### Massing Diagram



1 BHK Units



2 BHK Units



3 BHK Units

### Hotel Block



2nd floor podium level plan

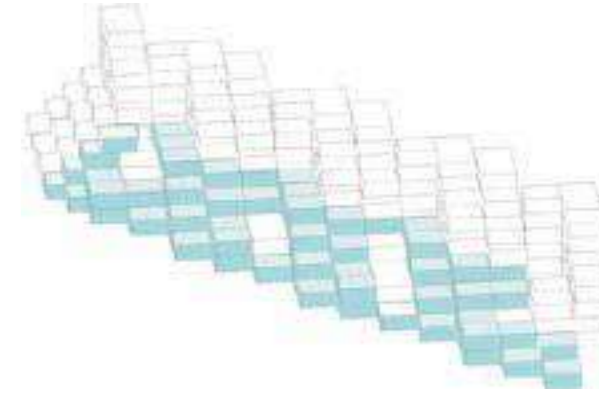


4th floor plan

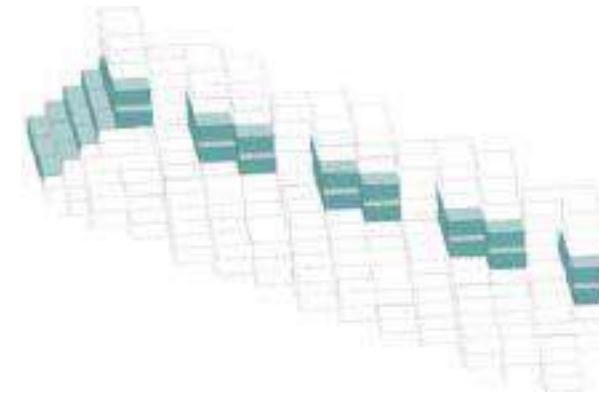


6th floor plan

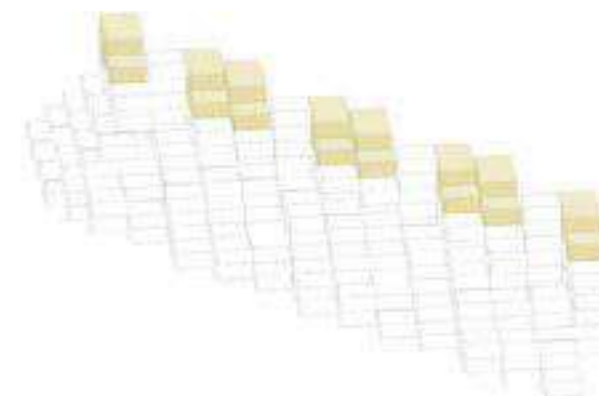
### Massing Diagram



Studio Units



1 BHK Units

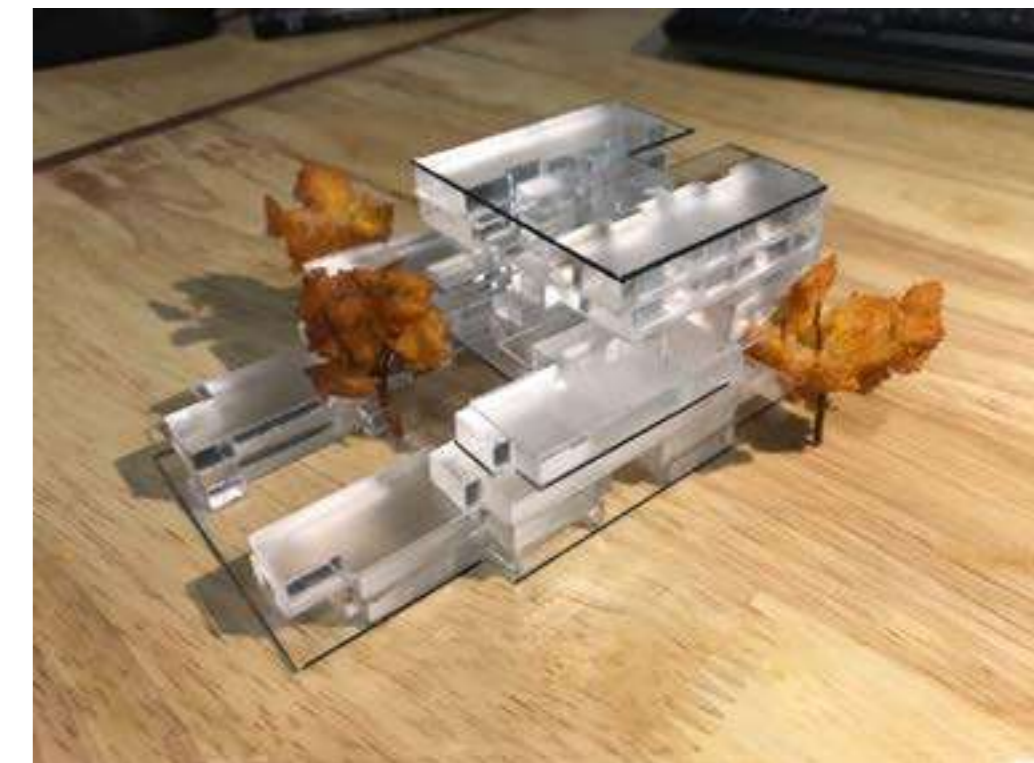
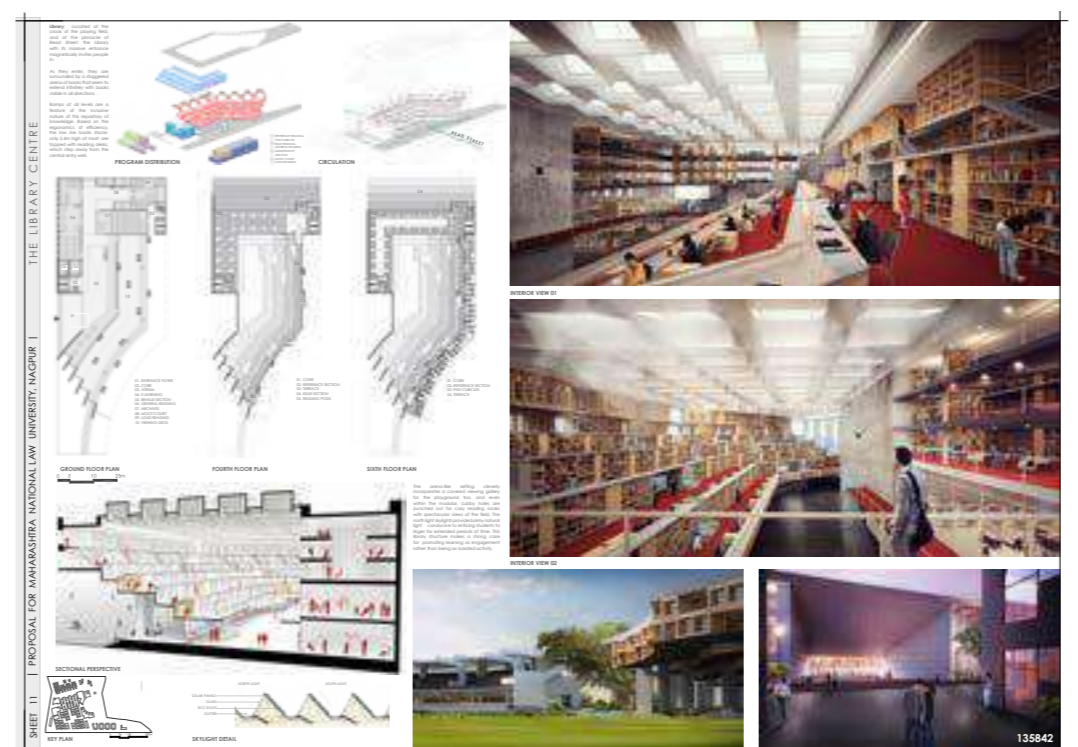


2 BHK Units



**Maharashtra National Law University**  
 Competition entry  
 Location: Nagpur, Maharashtra  
 [Physical model]

This is a competition entry and I was given a responsibility for physical model. I was involved in making all the laser cutting files and yes, have made the model with rubber wood in base and acrylic for the built mass.









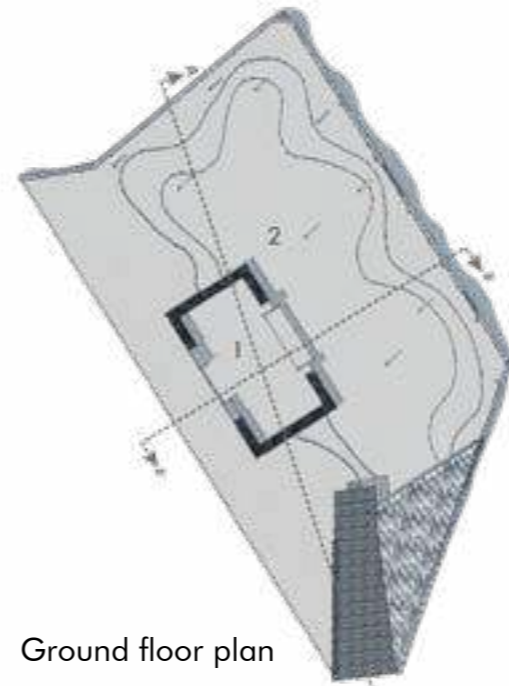
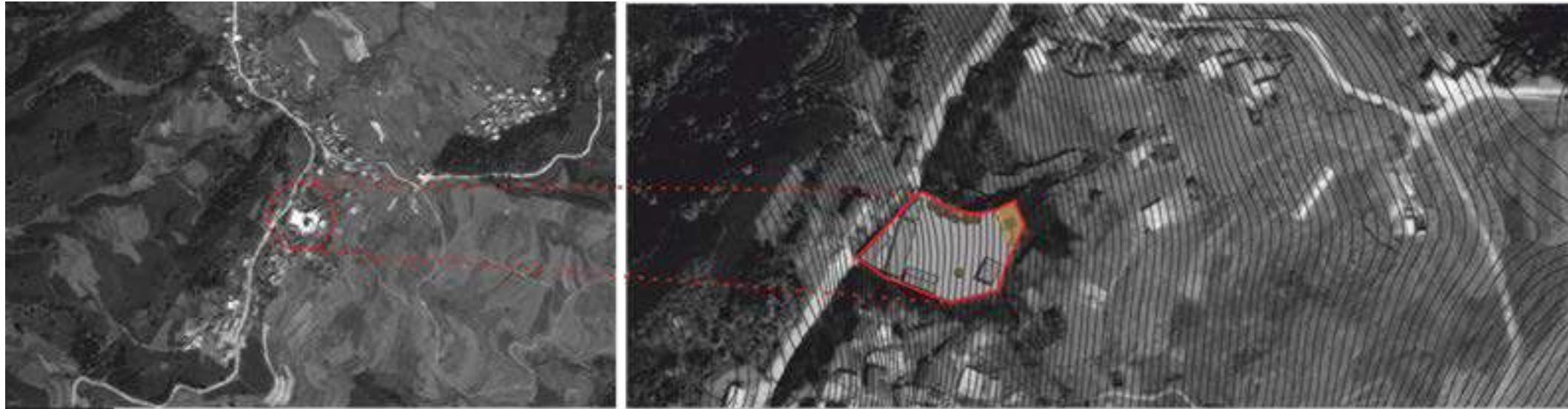
# 120 Hours Competition

*Ant-Garden*

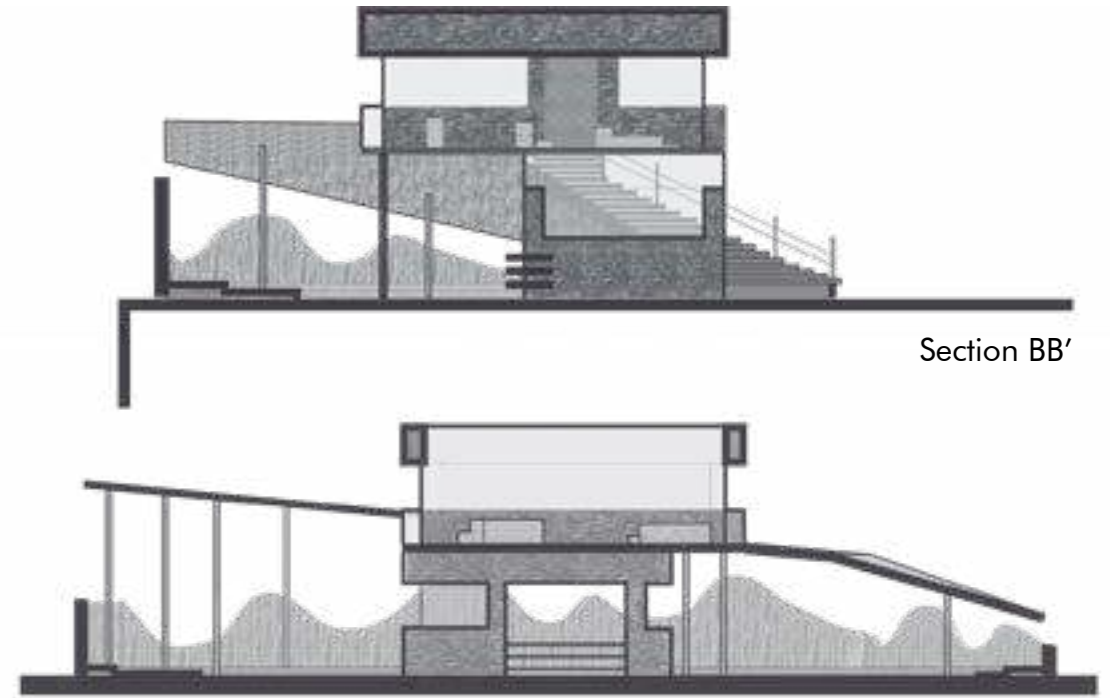
## THE WAY OF THE BUYI

Location: Puan city, Guiyang, China

The programme was to design Canteen and Library building for the LiangMeng school complex. This Primary school faces a beautiful valley located in the rural area of Puan City, China. The whole region is home to many Chinese ethnic groups, but the one that inhabits this underdeveloped rural area is known as the BUYI minority.

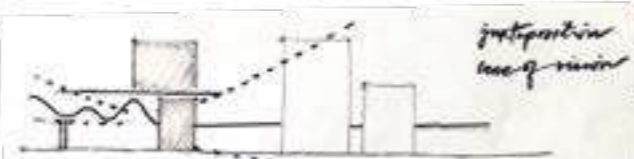


Ground floor plan



Section BB'

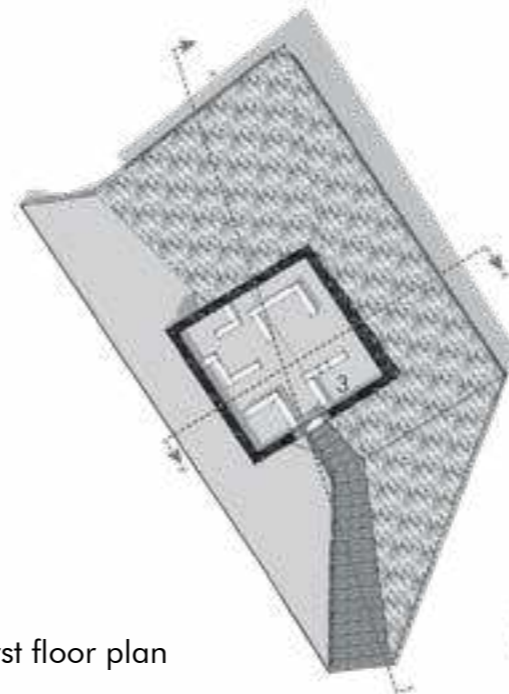
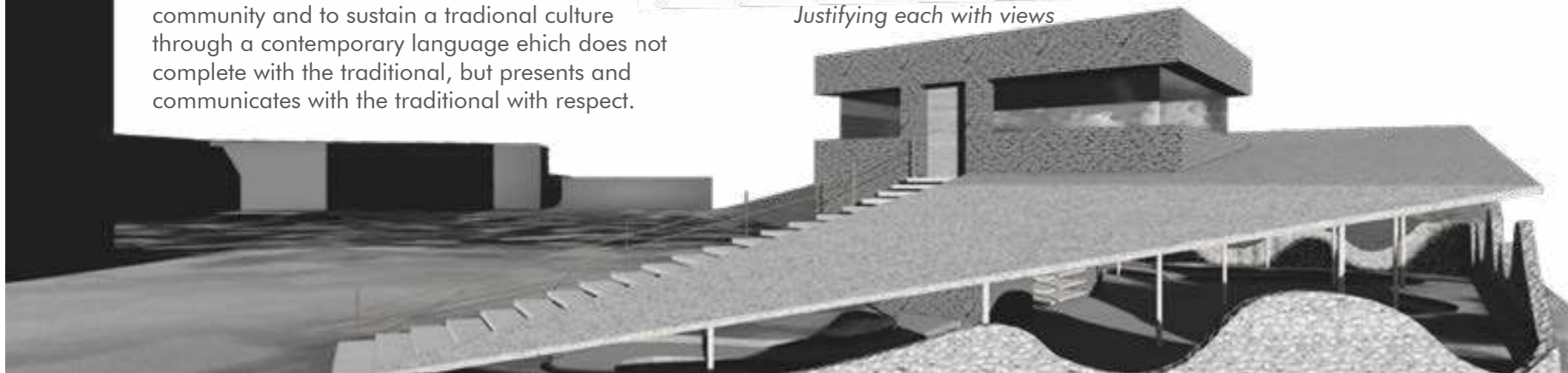
Section AA'



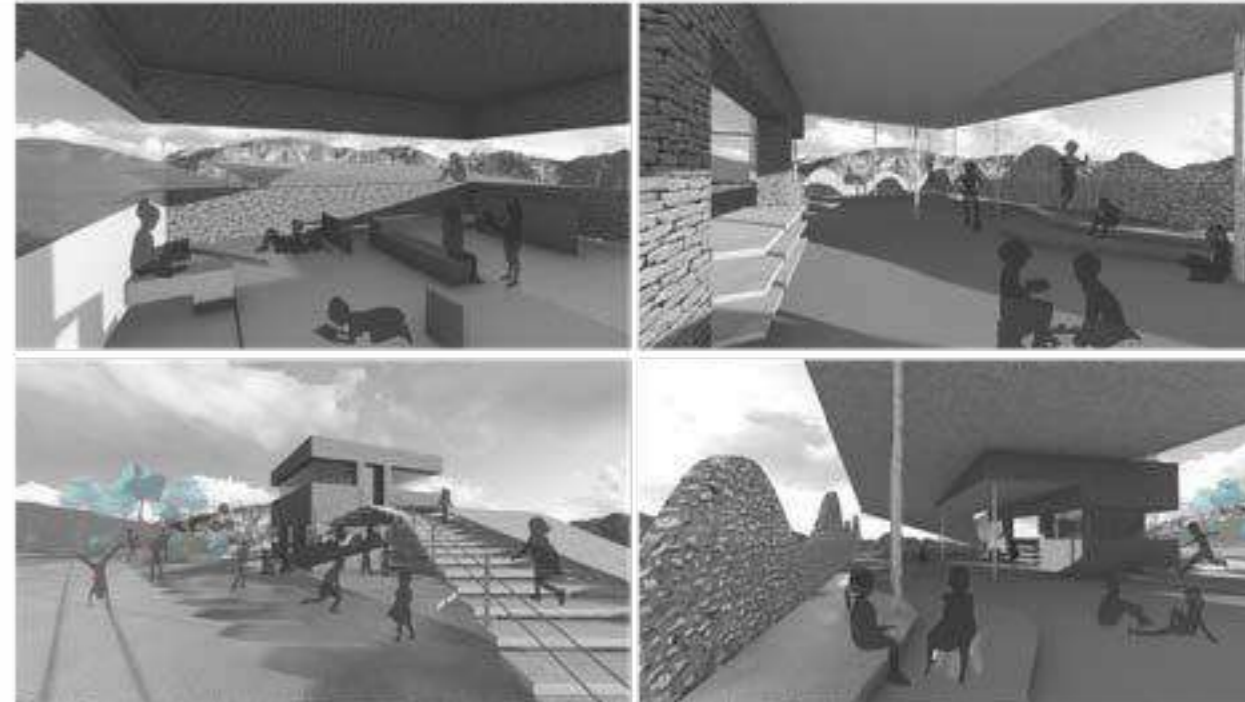
The essence of the project is to enliven an old community and to sustain a traditional culture through a contemporary language which does not complete with the traditional, but presents and communicates with the traditional with respect.

*Juxtaposition of two activities, Justifying each with views*

*merging with the landscape*



First floor plan





# Physical Models

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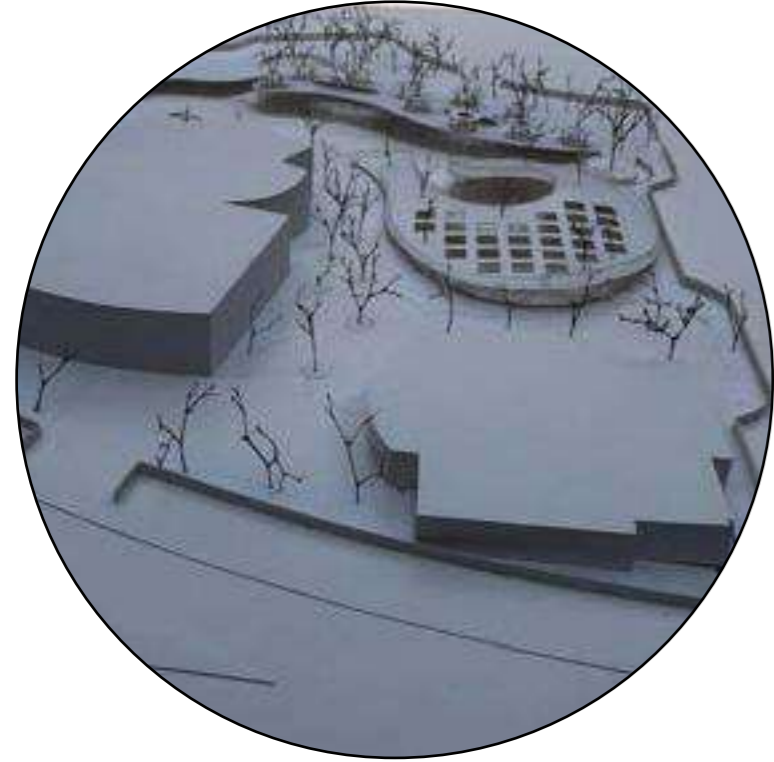


Academic Model  
1' = 1/500'

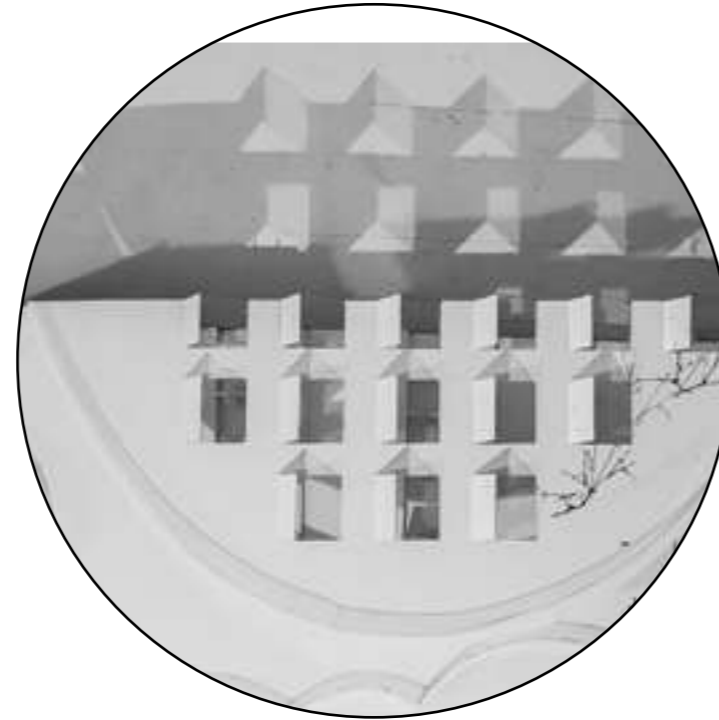


Academic Model  
1' = 1/500'





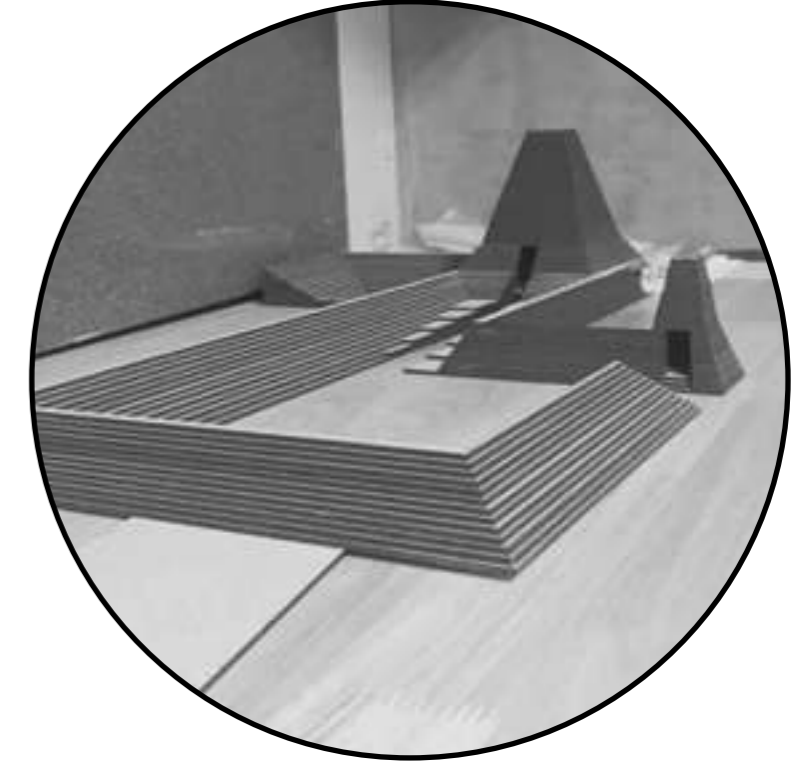
Academic model  
1' = 1/500'



Academic section model  
1' = 1/200'



Professional model  
1' = 1/500'  
Maharashtra National Law University



Professional model  
1' = 1/500'  
Balaji Temple, Andhra Pradesh



Thank you

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