MUSIC THERAPY CENTER AND RESORT
at KHAIRABERA, PURULIA, WEST BENGAL

Bird's Eye View

Site- Khairabera Rd, Baghmundi, West Bengal 723212
The site is located at Purulia has rich cultural heritage. It has the mixed culture of Bengal, Jharkhand, and Orrisa as it was a part of these areas for various times

Location

Climatology

Purulia has a sub tropical climate nature and is characterized by high evaporation and low precipitation.

Temperature is average in summer and low in winter which varies from 2 degrees in winter to 35 degrees in summer. Rainfall defines the climate of the district.

Schematic Site Sections

Bubble Diagram

Zoning

Design Philosophy

LEGEND
- Zone 1
- Zone 2
- Zone 3
- Zone 4

SITE PLAN

LEGEND	
01	THERAPY UNIT WITH THERAPIST'S ROOM
02	COTTAGE
03	PRIVATE DINING AND CAFETERIA WITH KITCHEN
04	RECEPTION AND ADMINISTRATION BLOCK
05	PARKING
06	WORKSHOP CUM EXHIBITION UNIT
07	SEMINAR ROOM
08	DORMITORY WITH KITCHEN FOR ARTISTS
09	OPEN AIR THEATRE
10	MEDITATION SPACES
11	BUILT FREE ZONE FOR VARIOUS ACTIVITIES
12	INTERACTIVE ZONE
13	ELECTRICAL ROOM, HT, LT, GENERATOR
14	SERVICES

- KUSUM
- KENDU
- SHIMUL
- NEEM
- MOHUA
- PALASH
- MULTICOLOURED SHORT TREES
- SHORT SHRUBS
- TALL TREES WITH LARGE CANOPY
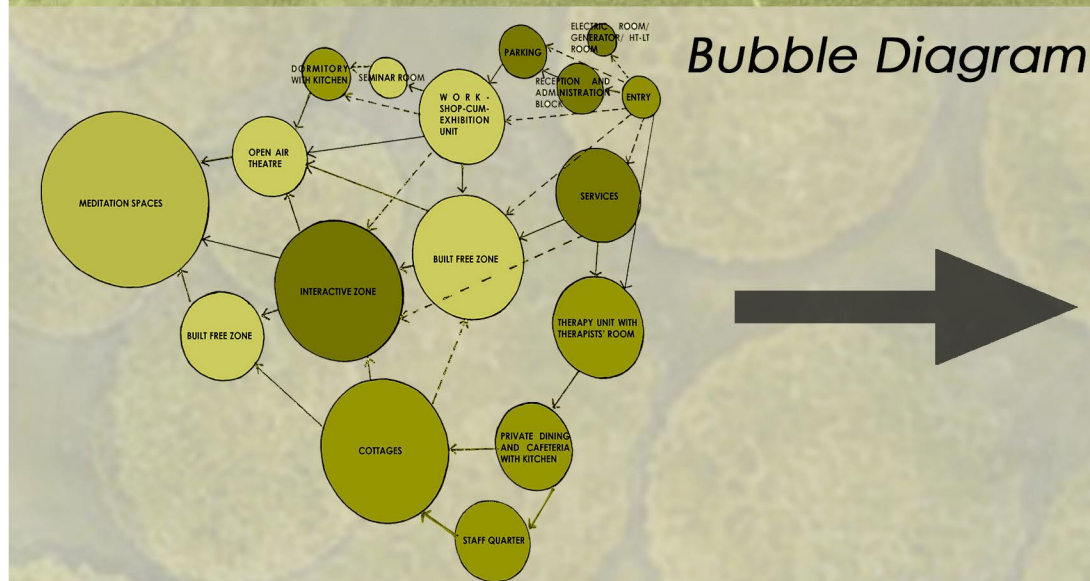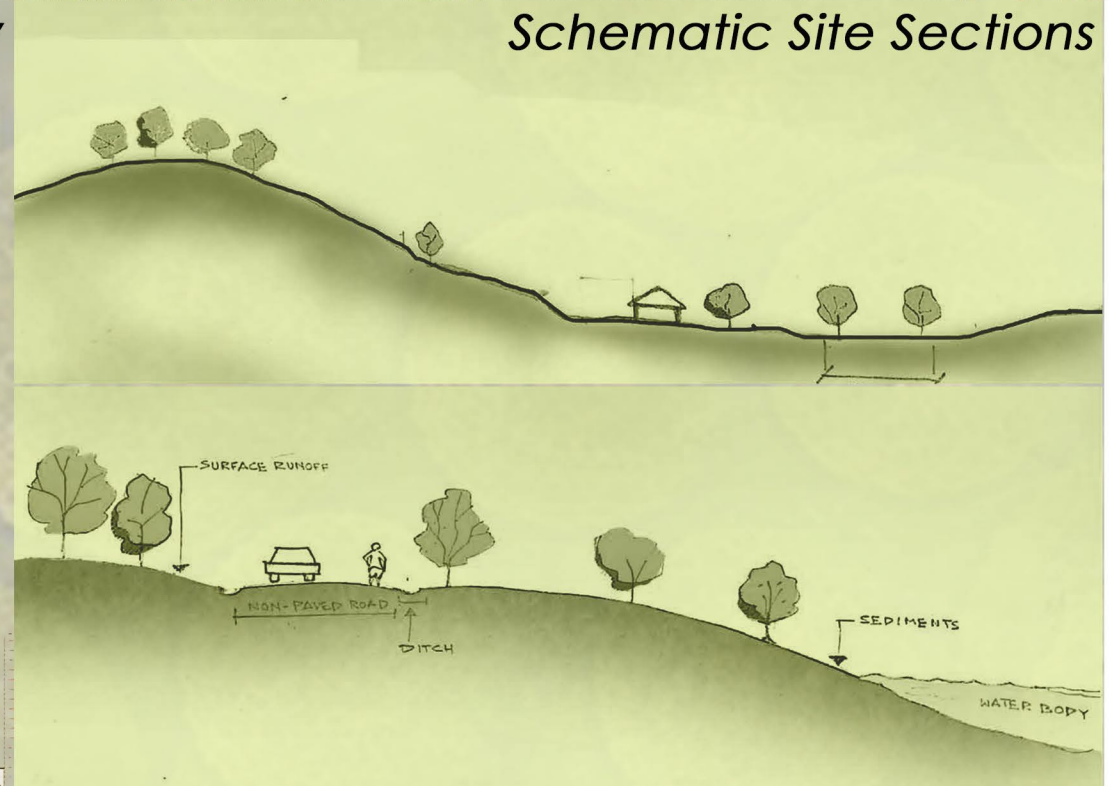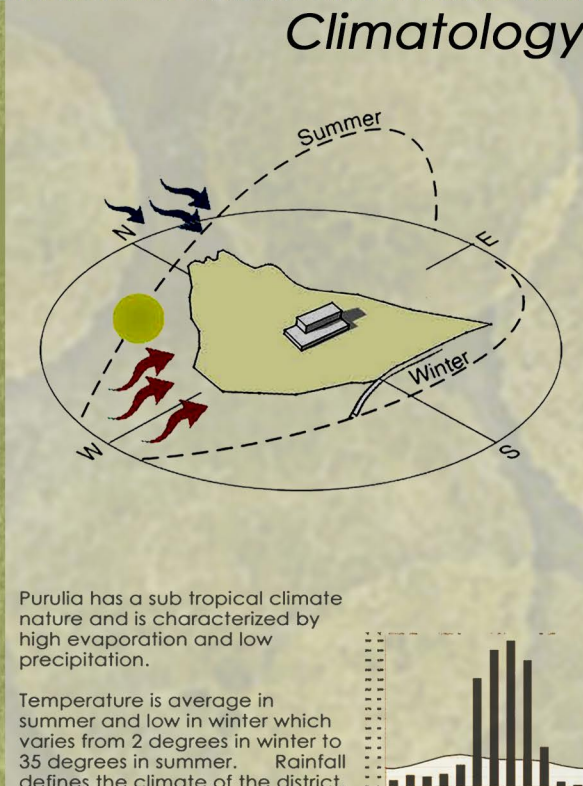
ZONE 1
The first zone which is along the boundary is a CHAOTIC ZONE which is influenced by both the outside and inside of the site. It can be termed as a psychological and physiological chaotic zone as both the influences on the zone are not prominent, thus the zone cannot be fully interpreted at this stage.

ZONE 2
The perception of the site starts as we go along the workshop and other buildings of the site. We get an idea of what is actually happening inside the site. This second stage is the stage of understanding and comprehending the site.
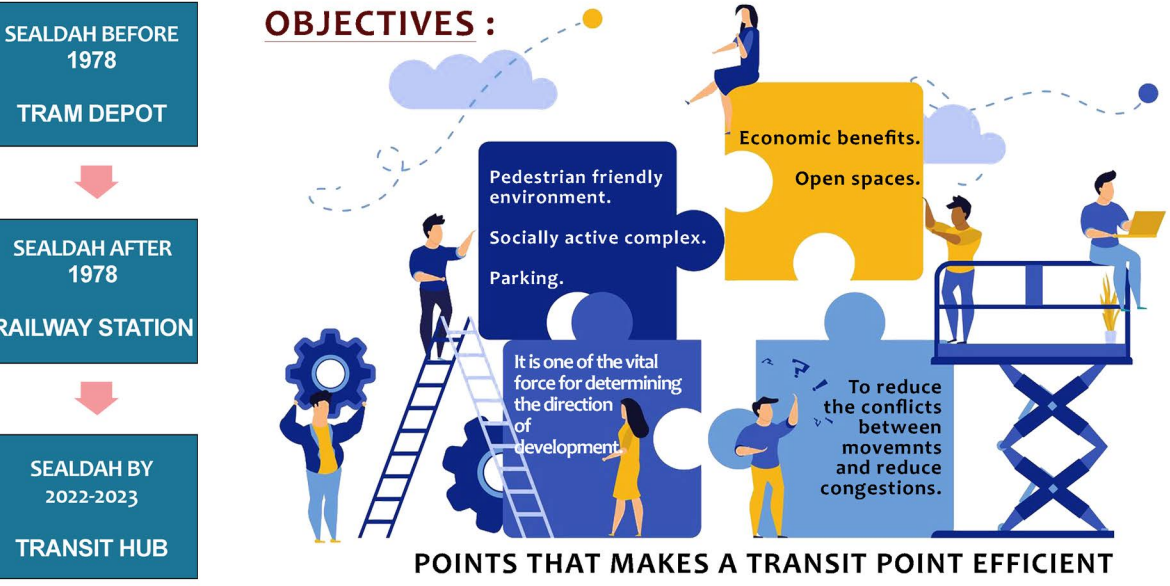
ZONE 3
The two built free patches can be considered as the third stage of perception of the site. This zone is a productive zone as it allows activities to take place inside them. The meditation area near the water body is also an activity area as meditation is a part of the therapy routine.

ZONE 4
The fourth stage is the ULTIMATE STAGE that is the central circle, the circle of the six zones. The six zones of the central circle have their own individual identity. The centre of these six zones is called the ultimate stage of NIRVANA or the meditative zone, the ultimate zone of calmness and serenity. The trees placed in the six zones have different significances and the spaces compliment them giving them an identity as a whole.
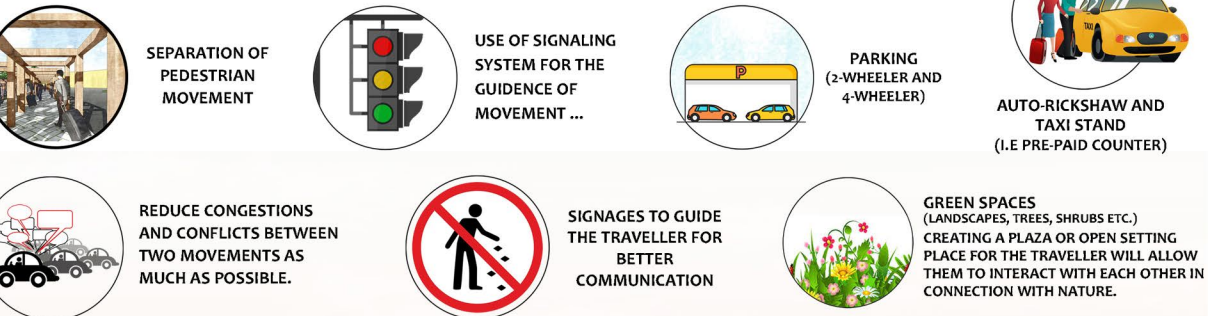

SITE SECTION X-X'

ANIRUDHYA DAS | BATCH 2015-2020

SEALDAH : TRANSIT HUB
as we travel ,we travel to future . . . .

SEALDAH BEFORE 1978
TRAM DEPOT

SEALDAH AFTER 1978
RAILWAY STATION

SEALDAH BY 2022-2023
TRANSIT HUB

OBJECTIVES :

Pedestrian friendly environment.

Socially active complex.

Parking.

Economic benefits.

Open spaces.

It is one of the vital force for determining the direction of development.

To reduce the conflicts between movemnts and reduce congestions.

POINTS THAT MAKES A TRANSIT POINT EFFICIENT

S STRENGTH — Large site area would facilitate different transit modes . And give the people opportunity to choose for themselves .

W WEAKNESSES — Limits the scope to change few things within the site i.e basic built form of the railway station.

O OPPORTUNITIES — Planning of the station (Metro and Railway) and transport management to reduce the congestion and conflicts as much as possible. (To remodel link airport)

T THREATS — As it is a Transit point it deals with huge population which will vary from time to time and population will grow with the time .
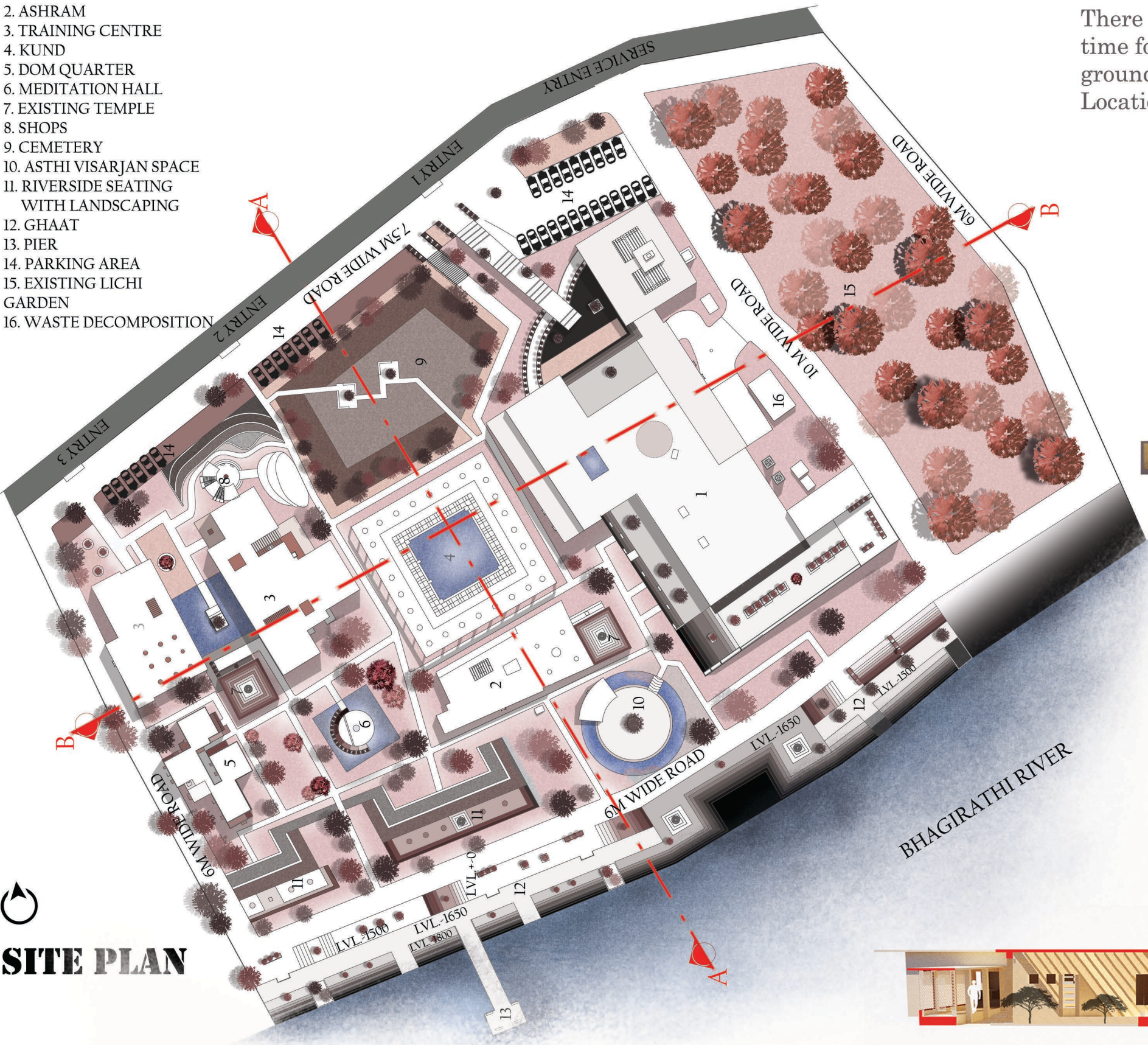
DESIGN IDEAS

SEPARATION OF PEDESTRIAN MOVEMENT

USE OF SIGNALING SYSTEM FOR THE GUIDENCE OF MOVEMENT ...

PARKING (2-WHEELER AND 4-WHEELER)

AUTO-RICKSHAW AND TAXI STAND (I.E PRE-PAID COUNTER)

REDUCE CONGESTIONS AND CONFLICTS BETWEEN TWO MOVEMENTS AS MUCH AS POSSIBLE.

SIGNAGES TO GUIDE THE TRAVELLER FOR BETTER COMMUNICATION

GREEN SPACES (LANDSCAPES, TREES, SHRUBS ETC.) CREATING A PLAZA OR OPEN SETTING PLACE FOR THE TRAVELLER WILL ALLOW THEM TO INTERACT WITH EACH OTHER IN CONNECTION WITH NATURE.

LEGENDS — Private Vehicles — Pedestrian Movement — Public Vehicles — Conflict points

ON-GROUND MOVEMENTS

PLAN ZONING

ABOVE THE GROUND LEVEL

- Passenger circulation space
- Roof covered at different levels
- Ticket counters and Reservation counters
- Enquiry , Medical unit , Parcel office (loading/unloading unit)
- GRP office and Cloak room
- Staircase and lift i.e Servive lane
- Food court area (JANAAHAR AND FOOD KIOSKS)
- TOILETS
- Waiting areas (open public sitting , executive waiting lounge, 1st class and general waiting rooms)
- Rest Rooms (DORMITARY AND RETIRING ROOM)
- PLATFORM AREA

RAILWAY STATION (ABOVE THE GROUND LEVEL)

SECOND FLOOR PLAN
FIRST FLOOR PLAN
GROUND FLOOR PLAN
BASEMENT PLAN

UNDERGROUND

- Passenger circulation space (UNGROUND LEVEL)
- Local Vegetable Market area
- FOOD ZONES (cafe , kiosks , shops)
- AFC GATE LOBBIES (Automatic fare collection system)
- Security checking zone
- Small green area
- Ticket counters
- Staircase, lift and escalators
- Platform area

METRO STATION (UNGROUND LEVEL)

FACTS
Sealdah was always a transit point right from the starting previously it was train and tram after 1978 tram termial station was demolished . Present situation - Train and Paratrasits (taxis and auto-rickshaws) Future - Train , Paratrasits (taxis and auto-rickshaws) and Metro (line 2)

MACRO LEVEL MAP POINTING

SURROUNDING AREA

CONNECTING ROADS

GREEN PATCHES (TREES / GARDEN / LANDSCAPE AREA)

PAVED AREAS

BUILDING BLOCKS

SITE MOVEMENTS

PARKING AREA MOVEMENT

PRE-PAID STAND MOVEMENT

LEGENDS — Private Vehicles — Pedestrian Movement — Public Vehicles — Conflict points

MICRO LVL MAP POINTING

PRE-PAID AUTO AND TAXI STAND

WAY TO METRO BLOCK

RAILWAY BLOCKS

PARKING AREA

SITE PLAN

- SEALDAH NORTH DIVISION PLATFORM AREA
- SEALDAH RAILWAY STATION BUILDING
- SEALDAH MAIN PLATFORM AREA
- RESERVED PARKING
- FOOD PLAZA
- GENERAL PARKING AREA
- TAXI PARKING AREA
- LANDSCAPE AREA
- PRE-PAID STAND

NORTH

PEDESTRIAN SKYWALK

F.O.B CONNECTING FROM SKYWALK TO WAITING AREAS

BRIDGE DIRECTLY CONNECTED TO THE TAXI STAND

SKYWALK FOR PEDESTRIAN MOVEMENT

F.O.B (FROM PLATFORM TO METRO GATE NO.2)

F.O.B CONNECTING FROM SKYWALK TO WAITING AREA

BRIDGE DIRECTLY CONNECTING TO THE TAXI STAND

MULTI-LEVEL MOVEMENT
- TO REDUCE CONFLICTS BETWEEN MOVEMENTS.
- TO REDUCE THE TRAVEL TIME.
- PROVIDES DIRECT ENTRY TO FIRST FLOOR TO ACCESS WAITING AREA.
- LESS TIME AND EFFORT.
- COST REDUCTION.
- HANDLING AND DELIVERY TIME EFFICIENCY.
- EASIER FREIGHT TRACKING.

SITE ELEVATION

SEALDAH METRO STATION

LANDSCAPING AREA

PARKING LOT

PEDESTRIAN WALKWAY

SEALDAH METRO STATION

RESERVED PARKING LOT

RAILWAY STATION

SEALDAH : TRANSIT HUB
(REDEVELOPMENT OF STATION AREA WITH METRO IMPACT)

NAME : ANKITA DAS
ROLL NO. - 27502315003

samskara
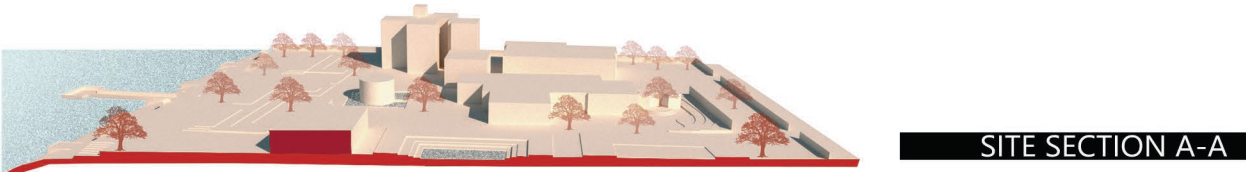
1. CREMATORIUM
2. ASHRAM
3. TRAINING CENTRE
4. KUND
5. DOM QUARTER
6. MEDITATION HALL
7. EXISTING TEMPLE
8. SHOPS
9. CEMETERY
10. ASTHI VISARJAN SPACE
11. RIVERSIDE SEATING WITH LANDSCAPING
12. GHAAT
13. PIER
14. PARKING AREA
15. EXISTING LICHI GARDEN
16. WASTE DECOMPOSITION

Development of Crematorium & Ashram in Murshidabad.
Integration of architecture with emotions. Because, people who are dead, they also need a proper space for the rest of their soul.
There is only one wooden cremation area & due to this locals wait for a long time for their turn to come. Sometimes they also bury the dead bodies under ground.

Location: Jangipur, Murshidabad, West Bengal
Beside Bhagirathi river

SITE PLAN
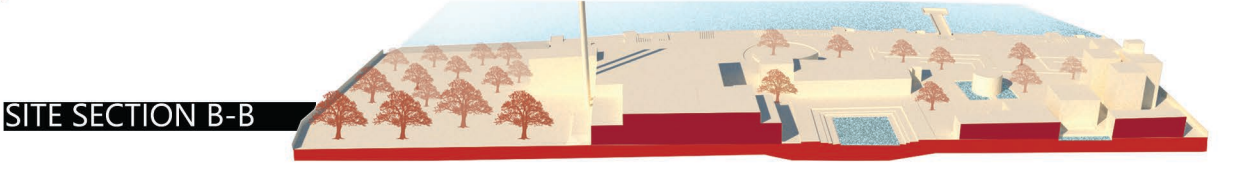
SITE SECTION A-A

SITE SECTION B-B

CREMATORIUM SECTIONAL VIEW C-C

ASHRAM SECTIONAL VIEW C-C

TRAINING CENTER SECTIONAL VIEW D-D

TRAINING CENTER SECTIONAL VIEW E-E

BHAGIRATHI RIVER
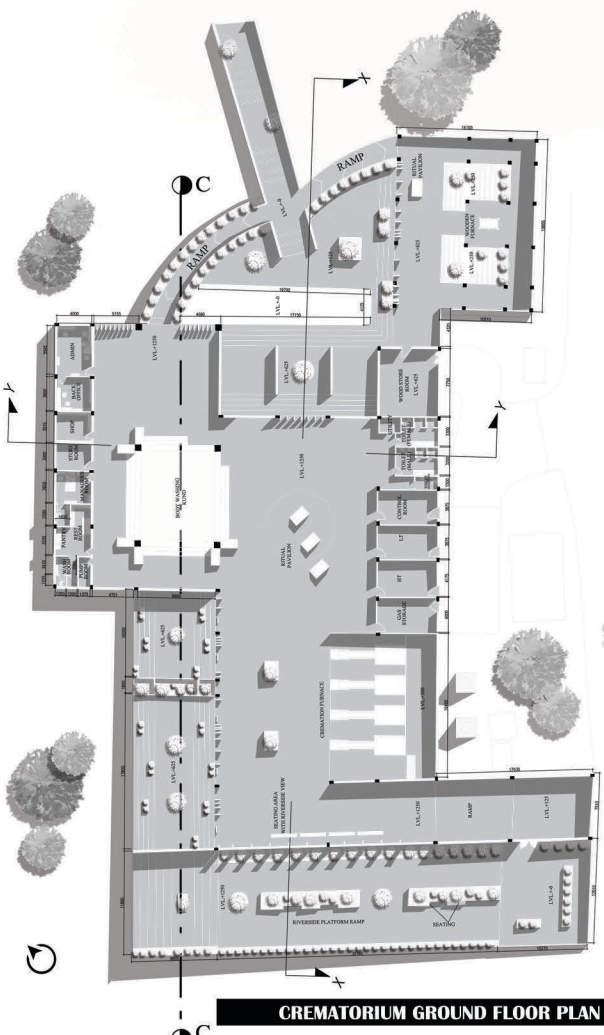
CREMATORIUM GROUND FLOOR PLAN
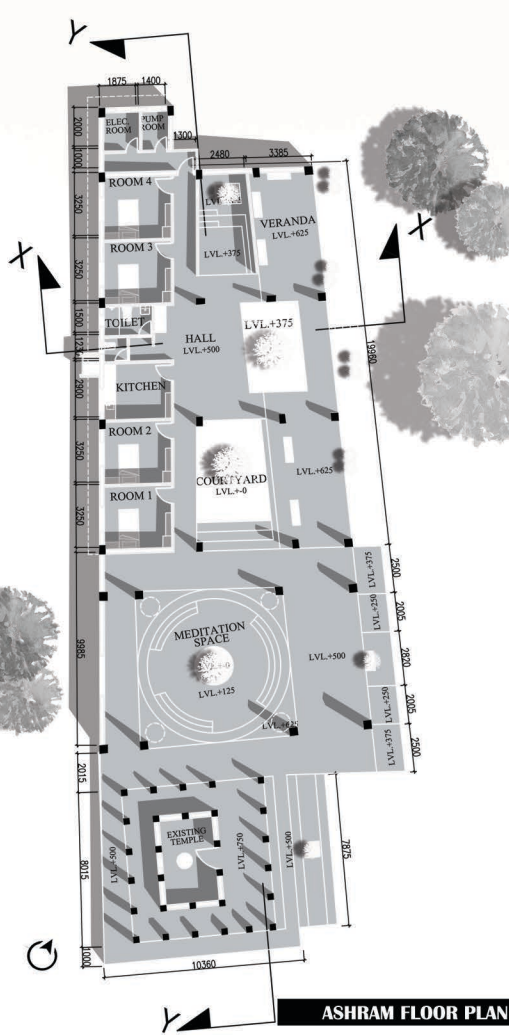
ASHRAM FLOOR PLAN
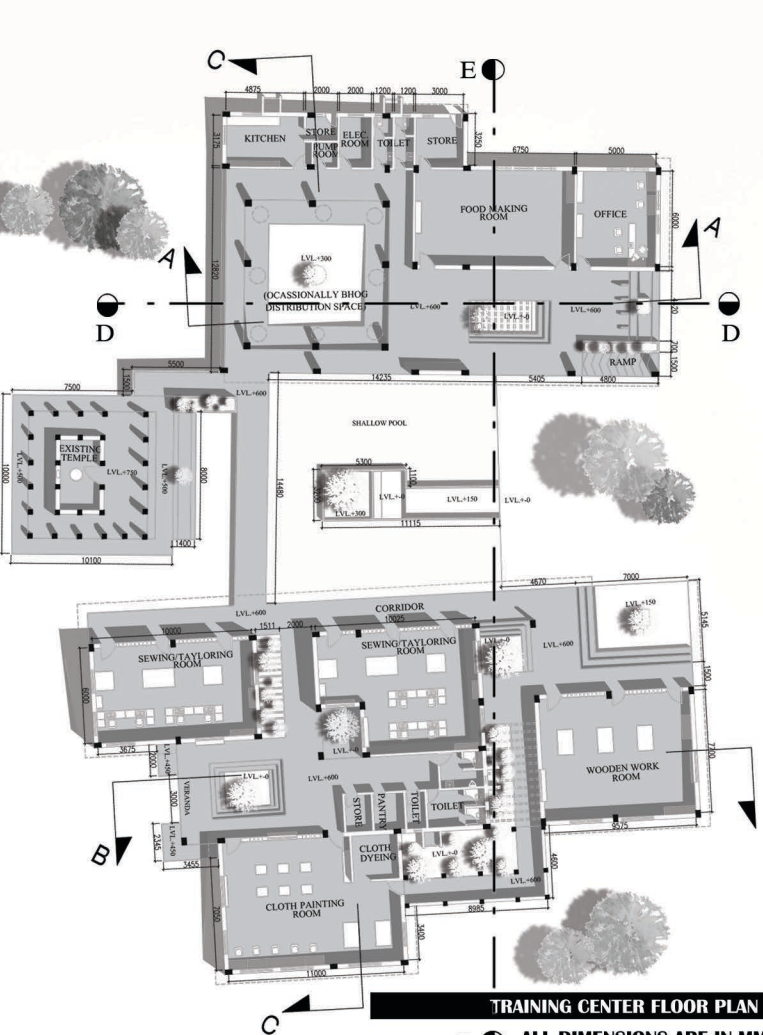
TRAINING CENTER FLOOR PLAN

ALL DIMENSIONS ARE IN MM
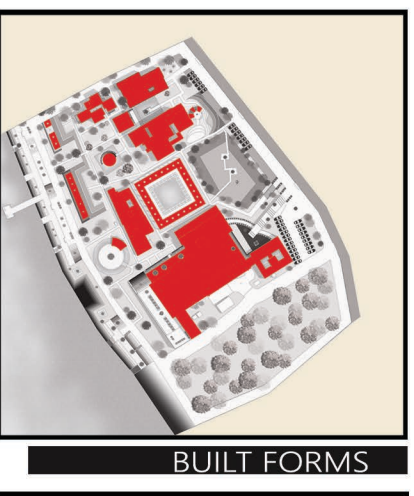
BUILT FORMS
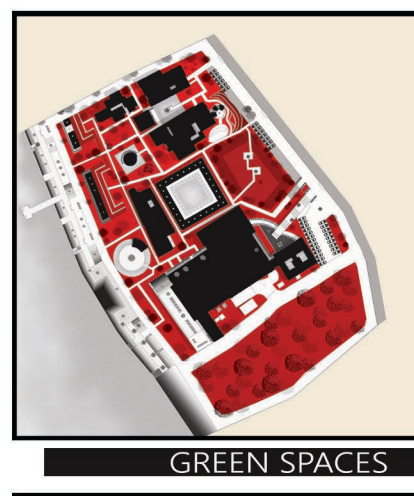
GREEN SPACES
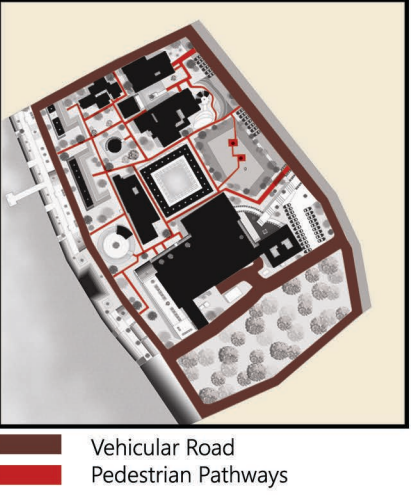
Vehicular Road
Pedestrian Pathways
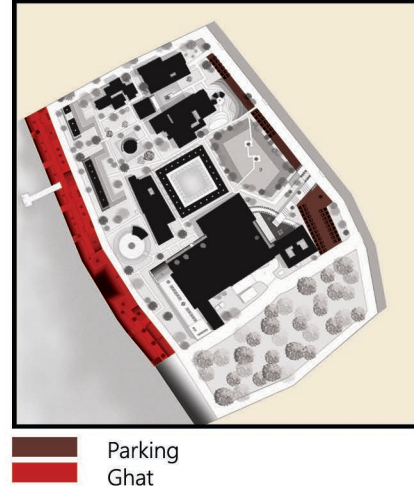
Parking
Ghat

CREMATORIUM ENTRANCE

AYANTIKA ROY
BATCH: 2015-2020

TEMPLE COMPLEX

L O C A T I O N - Shapoorji Bus Terminus, Action Area III, Newtown, Kolkata, West Bengal

SITE

N

ULTIMATE JOURNEY FROM MAYA TO SATYA
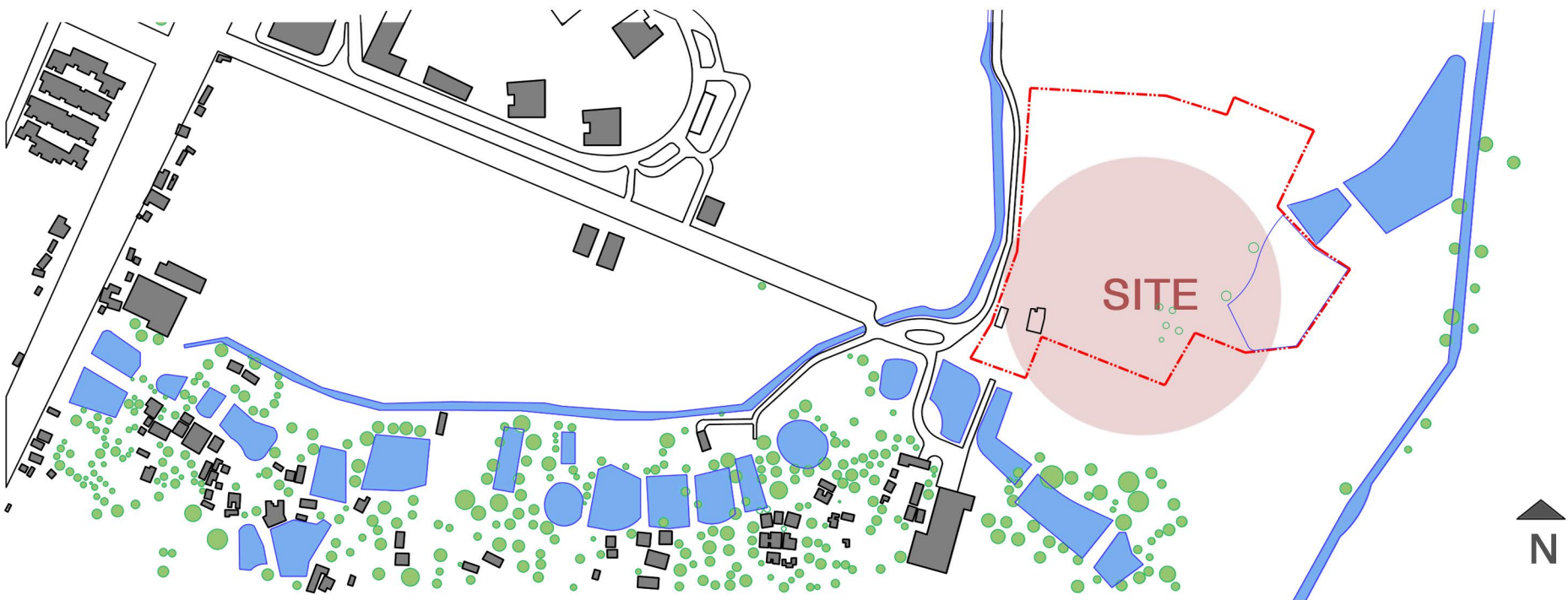
The concept is to create a path which leads to the Satya and understand that we humans are most advanced, but not the supreme, in this world. Nowadays lifestyle makes humans easily distracted from their roots which is the main problem in today's society. To take a glance at oneself and to enlighten with truth by three sequences of the journey to Satya which are entering nature, to concentrate on an inner journey and seeing the truth through peaceful mind. Therefore, people may realize that they are only a small part in the nature.

SITE PLAN

SCALE - 1:1500

LEGEND -   1. Temple, 2. Guest House 3. Information centre and Toilet 4. Restaurant 5. Pavilion 6. Shops 7. OAT 8. Admin 9. Museum 10. VIP Guest houses 11. Goshala 12. Diary Preparation area 13. Gurukul 14. Ground 15. Organic Farming 16. Parking.

Chandrika Dey
Batch of 2015-2020

B L U R R Y HYPOTHESIS

The Emerging Essence of the Society

Conglomeration of humanity through Thoughts

Unity of Spaces

Thoughts of Positivity

This Project is solely based on the Religous Studies and no other reason are interlinked with the topic mentioned or the substances induced. This attempt is a result of unhealthy Indian practices done to sabotage the public on certain bases. The Topic *Blurry Hypothesis* has been named with a reason that we the people are blind to judge our unreal consequences and that every incidences turn to be fictional to the rest of us. If we consider ourselves to be equal then we have a Religion that gives us the space to live for a motive before which comes the *Humanity*.

FINDING THE SPACE OF MIND
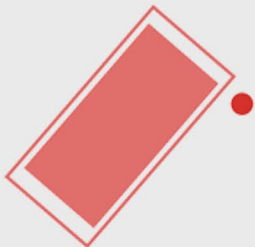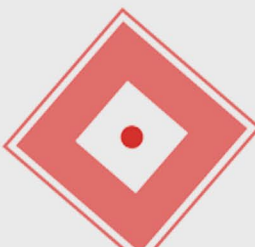
| Islam | Hinduism & Jainism | Christianity | Sikhism | Buddhism | Zoroastrianism |
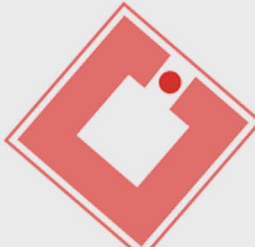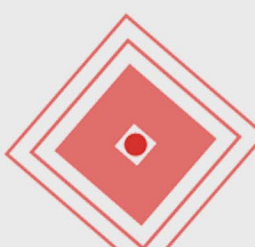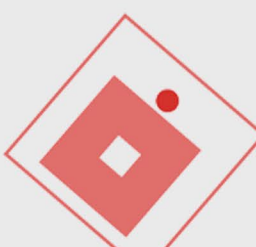
The Foci :

Every single religion as a center of focus as an ultimate point of Worship. The small red dot denotes that Focal point, though this theory cannot be generalised, it may change depending of the observation of the viewer. But to proceed further the maximum percentage of beliefs has been taken in account. Islam has a silent prayer system in Masjids but their verbal conglomeration occurs around the masjid, a place deicated for the same. Hinduism & Jainism has a point of focus in the center surrounding spaces of formal-informal conglomerations. Christianity, crossing the isle and the nave lies the idol of Jesus at the very end. Sikhism, geometrically placed Gurudwaras have now scattered all over whose centre point would the Golden Temple as taken the final spot of their worship. Buddhism is kind of similar to that of Hinduism and Jainism but they have serial hierarchy to their space of worship prevalent with silence and slowly decremented to the scattered point of conglomeration. Last but not the least, Zoroastrianism is of very low percentage in India, but this evry bit matters, this had to considered. Zoroastrianism has divided their worship in two singuarities (powers) - Fire & Water. And Water is situated out the Temple whereas Fire houses in the Temple.

'Site : Space' divisions :

1. INTER RELIGION RELIGIOUS DICUSSION AREA | 2. OPEN SEMINARS | 3. RESEARCH ON RELIGIOUS INTERFERENCE | 4. CONFIDENTIAL RESEARCH WORK ON HOLY SCRIPTURES | 5. SPACE OF CONGLOMERATION [FOR PUBLIC] | 6. RELIGIOUS MUSEUM

GUEST HOUSING AREA
GUEST PARKING
GATE 4
GATE 2
MUSEUM
GATE 1
THE RESEARCH CENTRE
GATE 3
GATE 5
PARKING
MEETING AREA
TOILET
CENTRAL LIBRARY
OPEN AIR DISCUSSION
OPEN AIR SEMINARS
PARKING
BANQUET
SOCIAL MEDIA ACTIVISM & VIDEOGRAPHICS ROOM
ADMINISTRATION
AUDITORIUM
GATE 6
SPACE OF SILENCE
OPEN EXHIBITION FOR PUBLIC
CYCLE STAND
CHIMNEY OF LIGHT
RESACH CENTRE SITE
ELECTRICAL SERVICES
MULTIPLE SERVICES
PARKING
PARKING
PARKING
PARKING
GATE 2
GATE 1
GATE 7

Site Location- Gurgaon
Site Area- 70 Acres
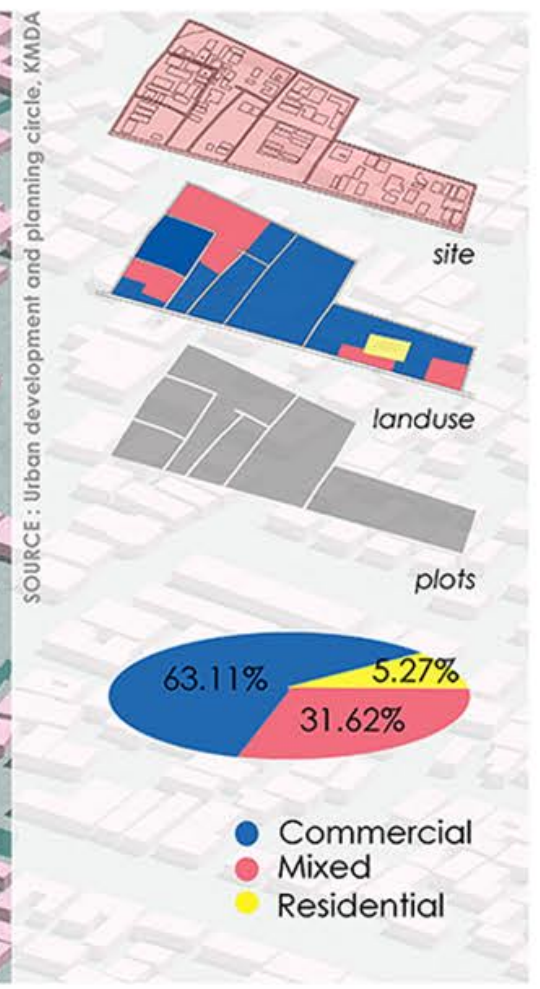Drawing Scale- 1 : 2400

Kolkata, WB   Bhawanipore

Assessing target problems

- Most of the structures within the study area are in old and dilapidated condition causing fire hazards.
- Existing market is mostly spread over ground floor with temporary sheds
- Costly land of such an important CBD is underutilised with low FAR
- Hawkers are settled on the footwalks forcing pedestrians to come down to carriageway leading to vehicular and pedestrian conflict
- Indiscriminate and unrelated spurt of development activities by private promoters has come up in chaotic manner

INFERENCE

It may thus be concluded that the studied area has matured enough for urban redevelopment

site context   ▭ Site

SITE - A major CBD of South Kolkata
Area - 13.1 acres

Site Location

SOURCE : Urban development and planning circle, KMDA

site

landuse

plots

63.11%   5.27%
31.62%

● Commercial
● Mixed
● Residential

15 40 60
Nodes   all dim in m

Observation Timeline

1888	1950			1990				2020

Under jurisdiction of Calcutta Corporation later under proposal of KMDA	Middle and low income group settlements	Served only local needs	Improvement works on the vacant lands	Introduction of metro(Netaji Bhavan)	Built up areas left untouched	Incompatible uses like 'khatals' and motor repairing garages occupy large parts of cost -ly land	Indiscriminate and unrelated spurt of development activities growing in chaotic manner	Developments are done in an unplanned and unorganized manner

Sketch 1   Sketch 2   Sketch 3

Sketches of site done by author
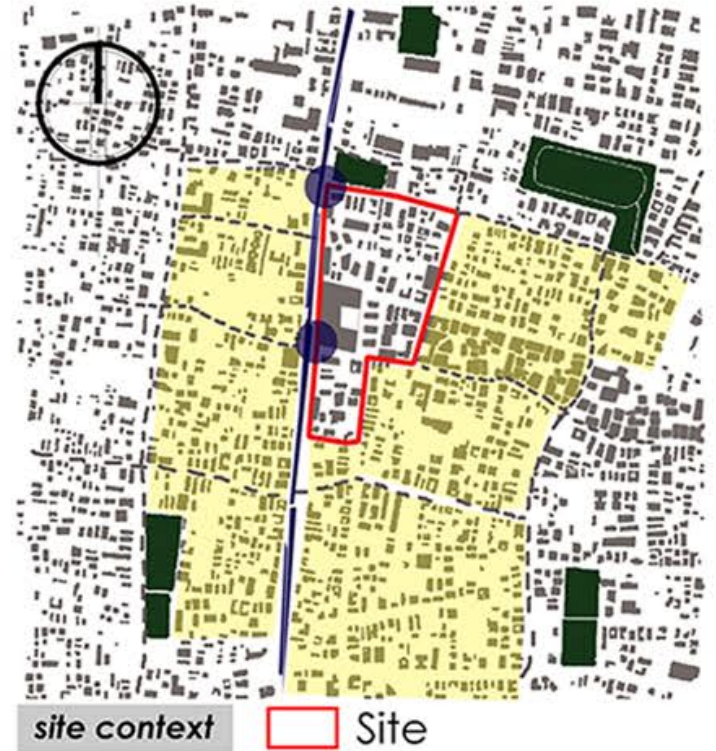
community rampant

Most of the structures in the site is old and in dilapidated condition and there is indiscriminate and unrelated spurt of development activities coming up in a chaotic manner with the existing market spreading over mostly ground floor with temporary shades.

Also hawkers are settled on the footwalk forcing pedestrian to come in the vehicular way causing pedestrian and vehicular conflict.

Using different levels vertically with a moderate horizontal spread using ramps and cutouts with pergolas, mostly keeping it open to sky creates an interesting sciography and retains the original fabric of the existing market yet trying to elevate the design....
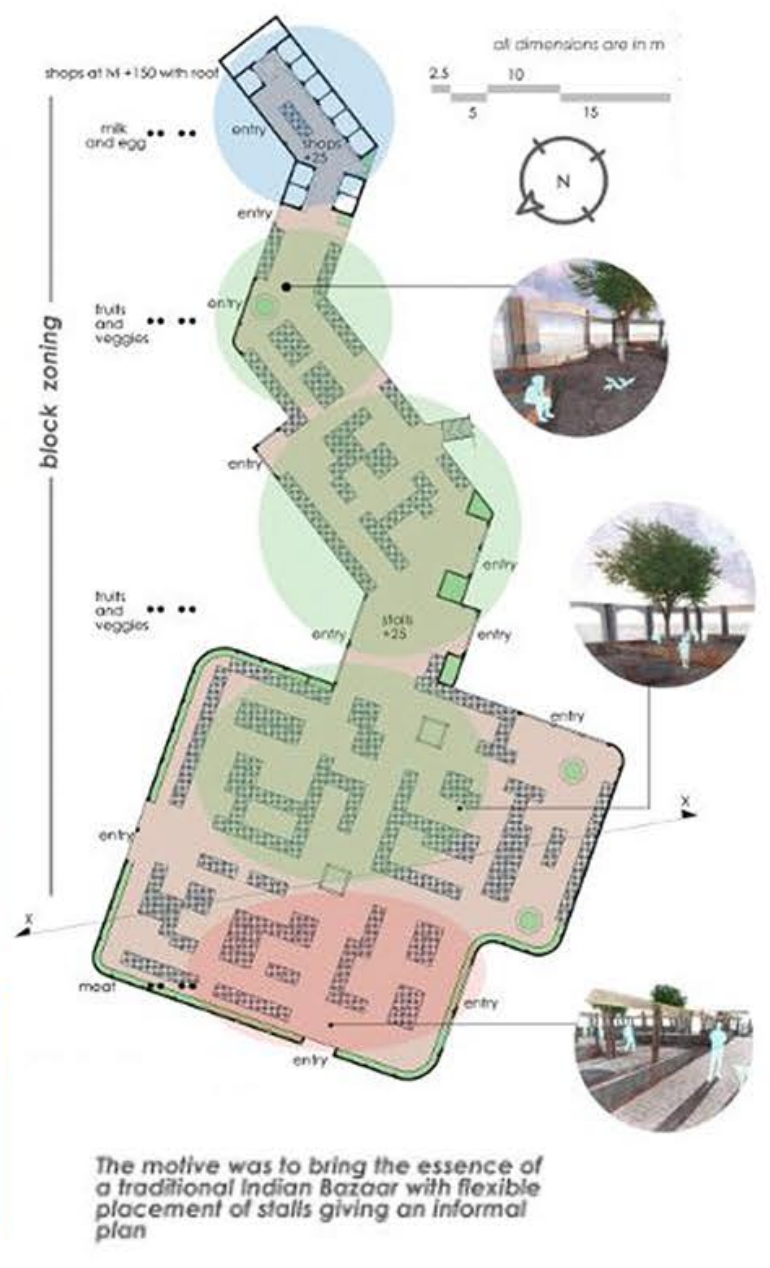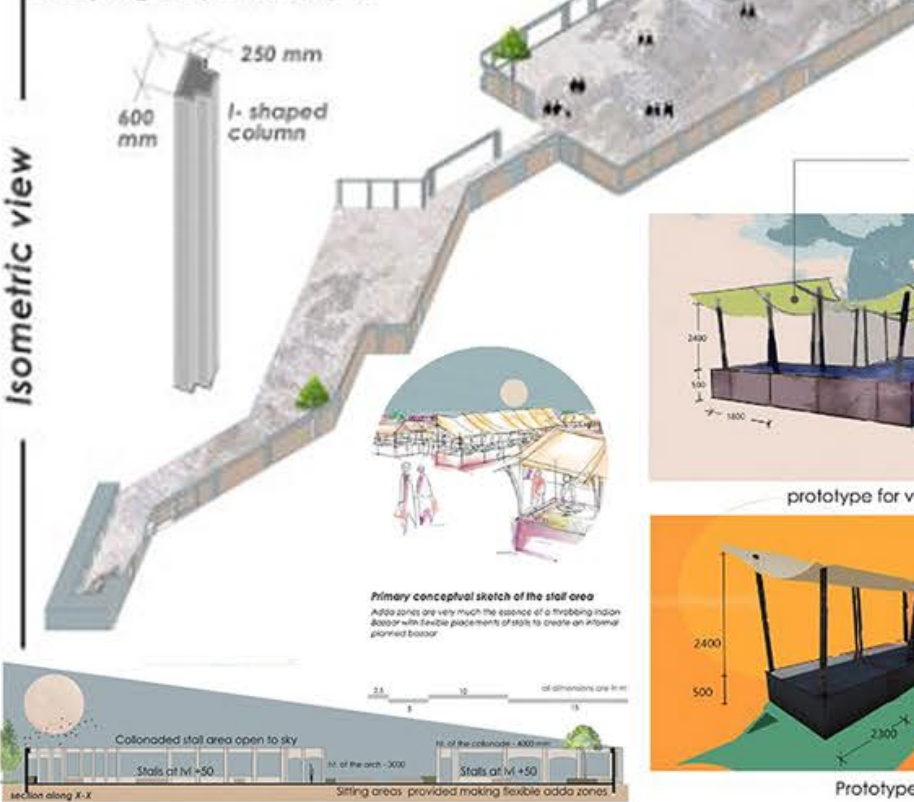
Public spaces acting as catalysts for social integration

bazaar | modern take on traditional market

block zoning

concept and formorphosis

Lower level plan
Floor area - 5568.08 sq. m

SITE PLAN

Public spaces act as integrating spaces for social interaction. The main aim of this redevelopment was keeping in mind the urban fabric of the area, yet redeveloping the market keeping the essence of a traditional Indian market.

flexible disposition

There is imdiscriminate and unrelated spurt of development activities coming up in a chaotic manner with the existing market spreading over mostly ground floor with temporary shades. Hawkers are settled on the footwalk forcing pedestrian to come in the vehicular way causing pedestrian and vehicular conflict.

3 types of sellers in the stalls have been found. They are local shopkeepers, permanent hawkers and non permanent hawkers. The spurt of non permanent hawkers is more observed.

The chwal area showing the colonaded boundary yet giving an informal look and keeping it open to sky ...
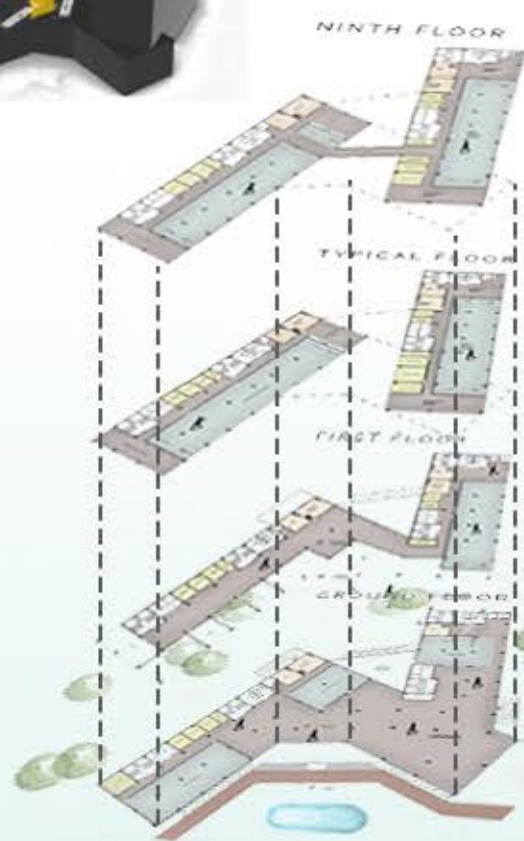
250 mm

600 mm   I- shaped column

Isometric view

block zoning

Primary conceptual sketch of the stall area

Prototype for vegetable and fruit mandi

Colonaded stall area open to sky

Prototype for meat and fish mandi

SECTION AT A-A

SECTION AT B-B

SECTION AT C-C

The motive was to bring the essence of a traditional Indian Bazaar with flexible placement of stalls giving an informal plan
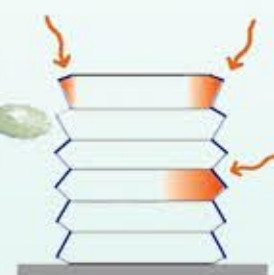
THE LEGION CAMPUS

GLOBAL GREEN DATA CENTRE AND SUPPORTING FACILITIES


THE LEGION TOWERS

The main building surrounding which all other subsidiary facilities are provided. Can accomodate upto 1000 employees and has two towers support- ing 6 different facilities in total. The towers are connected additionally on the 9th floor via a skybridge

**Solar radiation**
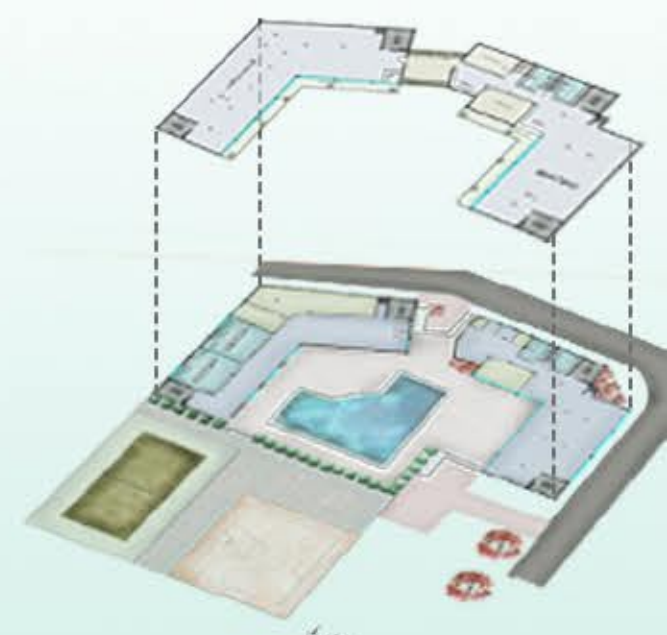Minimizing heat transfer inside a building

Light
Maximizing the utilization of day light to light the interiors
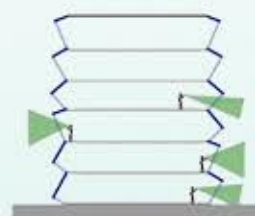
Visibility
Maximise the visibility

THE LEGION CLUB

The fun and relation zone of the campus complete with swimming pool, pool room, lounges and dining facilities. Also houses a sky bridge along with a practice basketball court and a tennis ground.
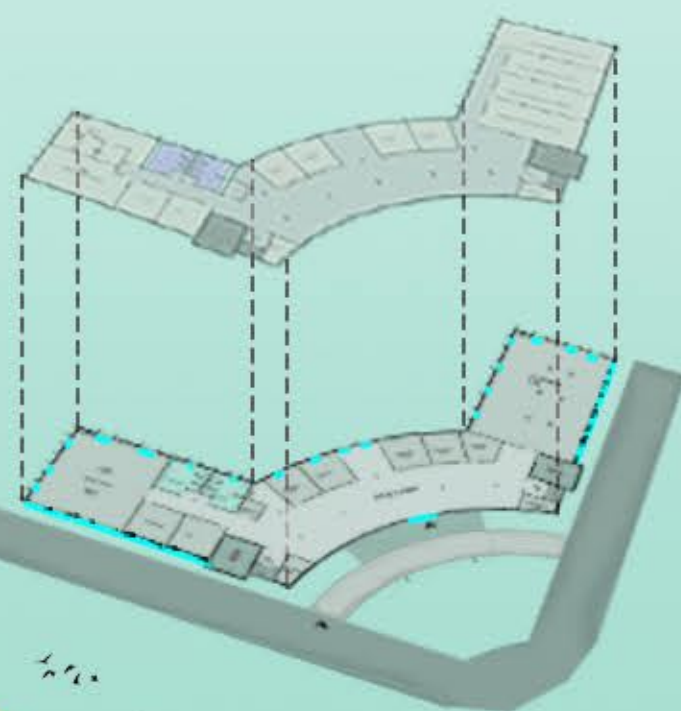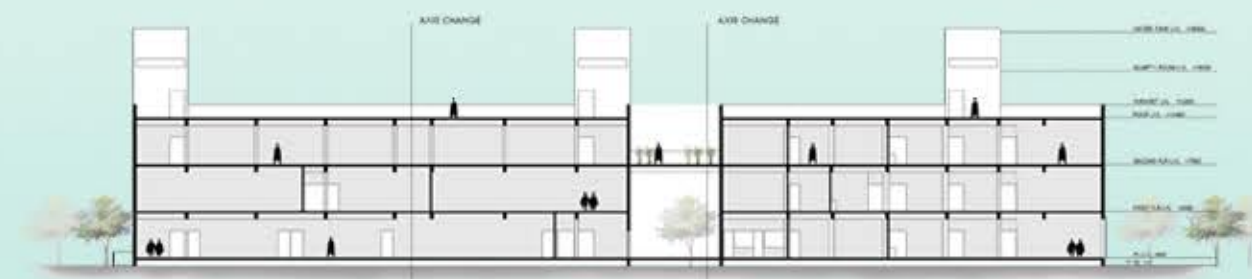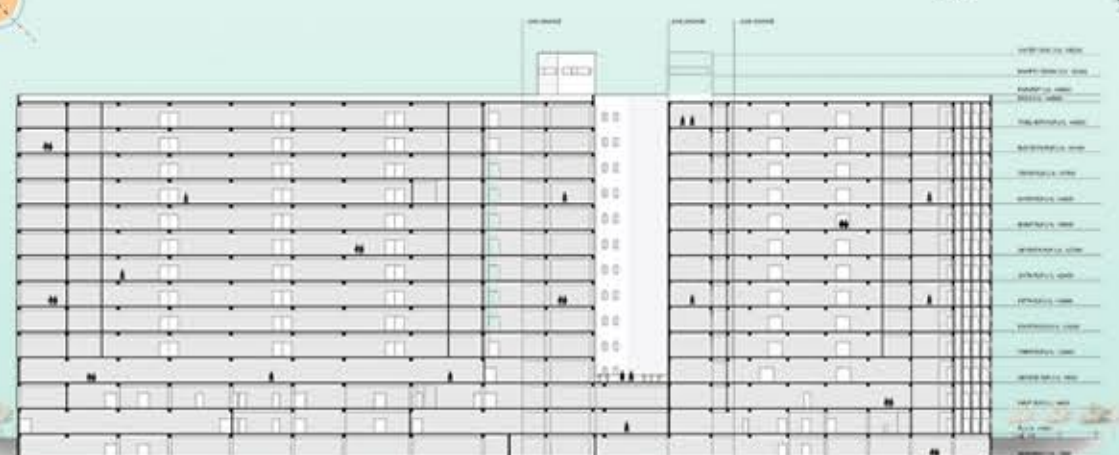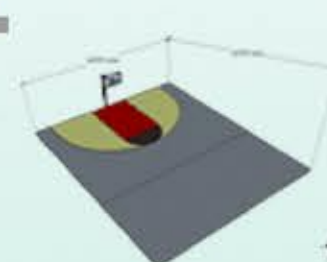
THE LEGION TRAINING

A global IT education centre with a training facility of 400 trainees. Also Houses an auditorium having 300 people capacity completely barrier free along witha spacious owrlclass library spanning two floors and facilies such as sourcing and employee interview.

THE LEGION RESIDENCE

A luxurious accomodation facility for trainees and guests with a total capacity of 398 trainees and 10 guests. There are seperate men and ladies wings complete with self serviced pantry and laundry. Other facilities include open air relaxation in front of water body and jogging track.

OINDRILLA CHATTERJEE
THESIS2020
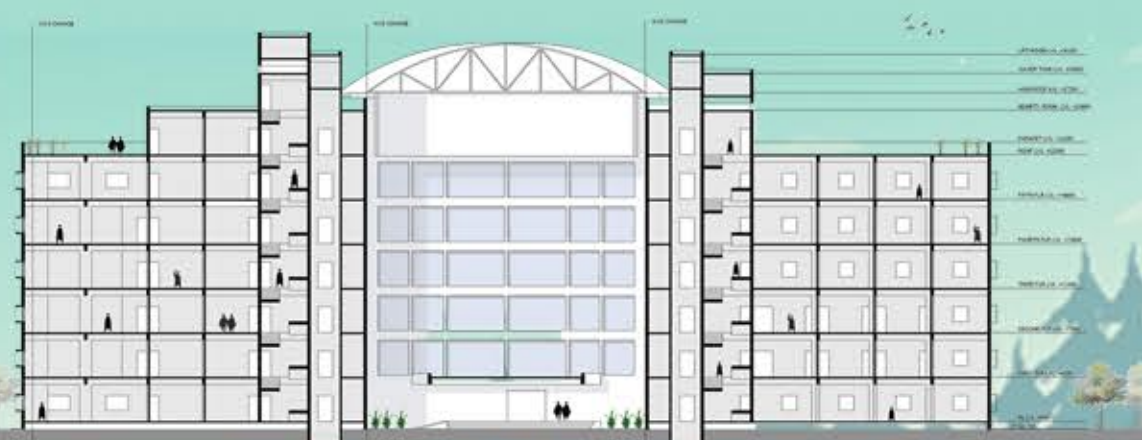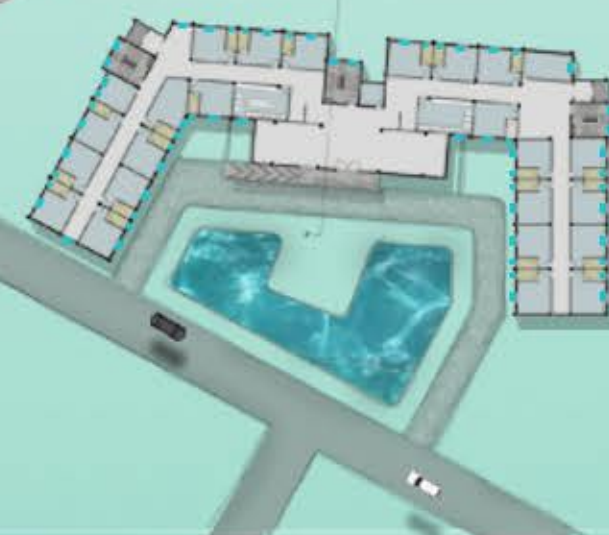
ANIMAL CARE CENTRE AT NEWTOWN, KOLKATA

It is a centre for animals which provides all the nessessary facilities and other facilities like rehailitative, restorative, ongoing skilled nursing care to patients or residents. Animal Care Centre includes long term care hospitals, research lab, shelters,training cemetry, adoption.

- Veterinary hospital for all types of domestic animals.
- A facility of dog, cat, bird and fish crèche.
- A facility of training of dogs and cats.
- Shelter for stray and adoption centre
- A pet shop
- Grooming salon
- A playing area of individual animal
- Burial ground
- Renewable energy plant
- Service block, admin block
- Staff accommodation

DEVELOPMENT SKETCHES
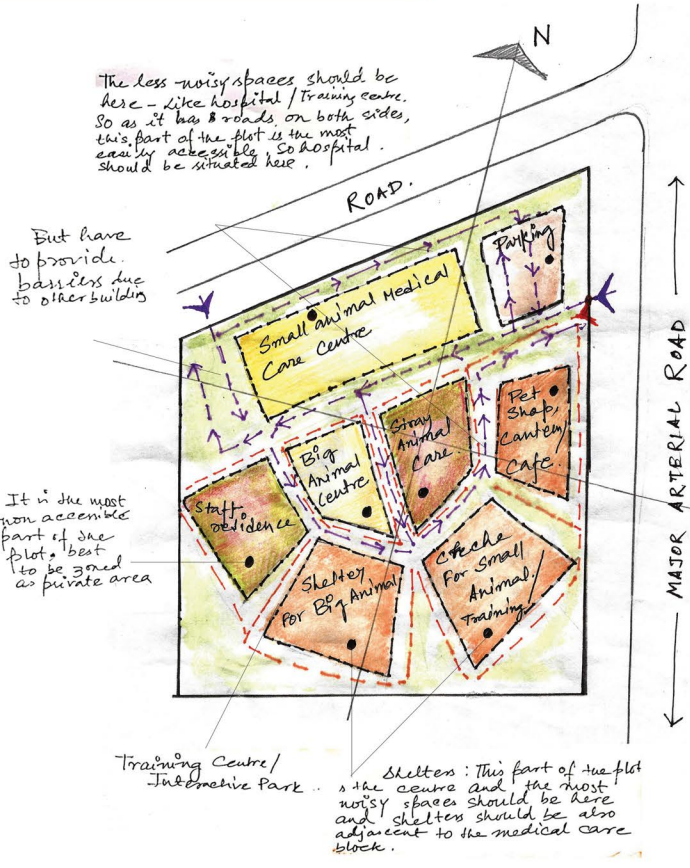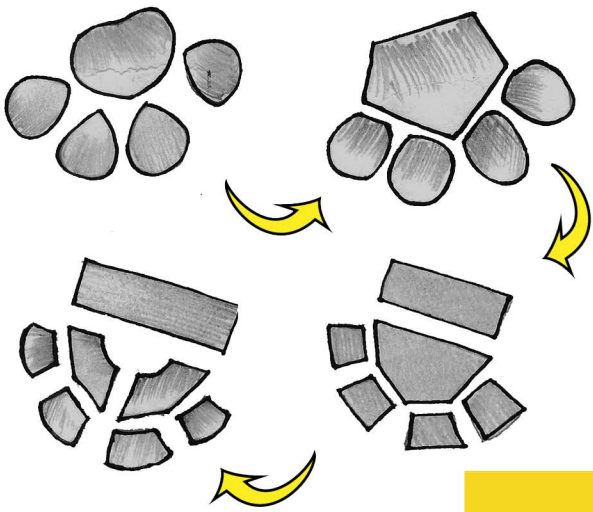
ZONING

COURTYARD CONCEPT FOR BUILDINGS

NIGHT TIME

DAY TIME

EVENING TIME
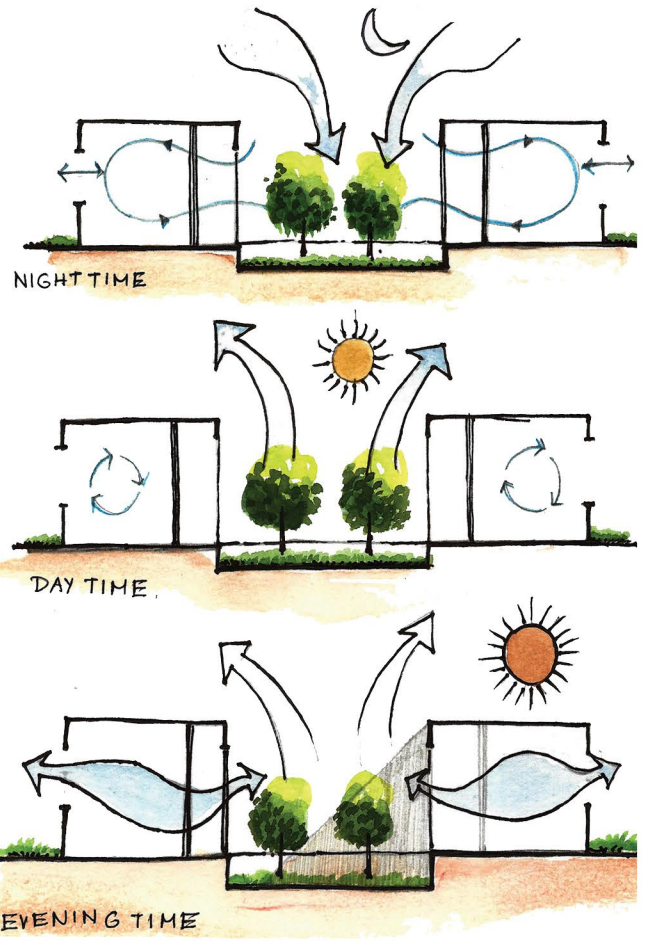
CONCEPT

THE PAWS OF AN ANIMAL ARE ITS FEET OR HAND WHICH HAVE CLAWS FOR WALKING ON. AS WE CAN DESCRIBE SOMEONE'S HAND AS THEIR PAW . AND ANIMALS ALSO HAS SAME RIGHTS TO LIVE IN THIS WORLD FREELY SO WE, HUMANS HAVE TO KEEP THEIR HAND ON THEIR HAND AND GIVE THEM A BETTER LIFE.

VIEW OF SMALL ANIMAL HOSPITAL

FRONT ELEVATION

TARGET ANIMAL

Small animal group

DOG   CAT   RODENT   BIRD   FISH

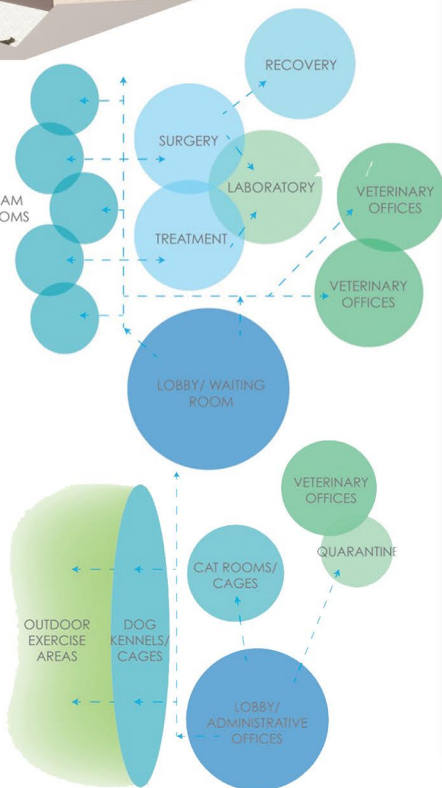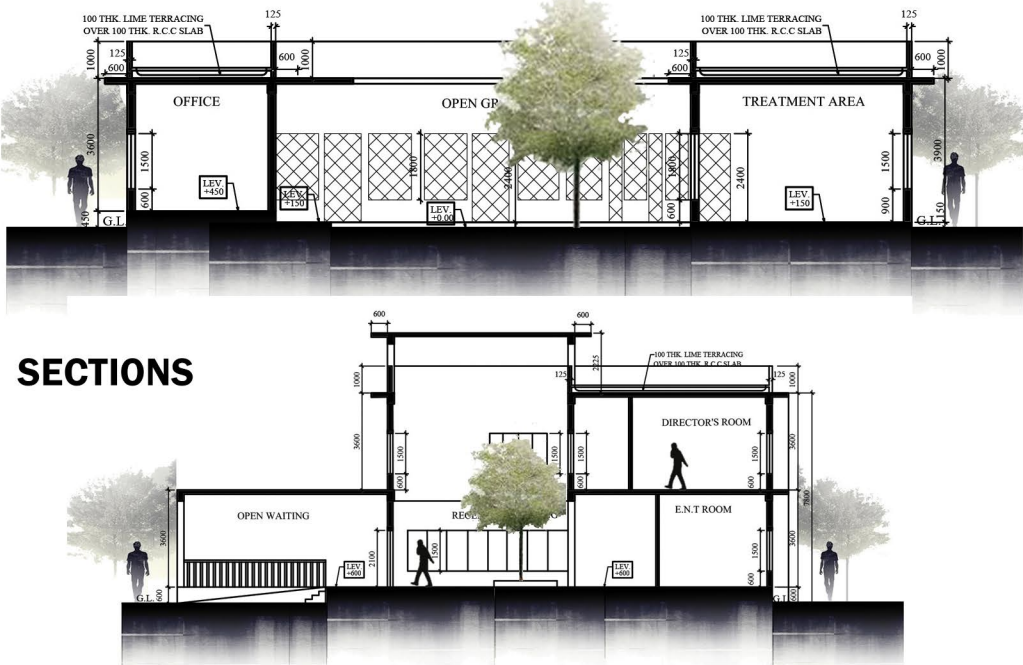**Big animal group**

GOAT   PIG   COW   HORSE
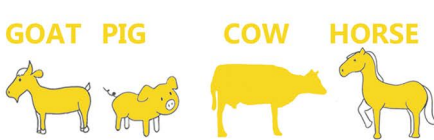
BIRDS EYE VIEW

- SMALL ANIMAL HOSPITAL
- BIG ANIMAL HOSPITAL
- STRAY ANIMAL HOSPITAL
- CAFE, PET SALON,PET SHOP
- PET ANIMAL CRECHE
- STRAY ANIMAL SHELTER
- CATTLE SHELTER
- STAFF RESIDENCE

SECTIONS

BUBBLE DIAGRAM

SITE PLAN

JATRAGACHI RD.

MAJOR ARTERIAL ROAD

185600

226385

172275

SPACE FOR BURIAL GROUND

MULTI PURPOSE GROUND

INDIAN INSTITUTE OF MANAGEMENT SAMBALPUR (IIMS) . ODISHA

PROJECT DETAILS

Indian Institute of Management Sambalpur (IIM Sambalpur) belongs to the prestigious IIM family of business schools. It is a **new generation IIM**, set up by the Government of India in September 2015. One of the key objectives of IIMs is to provide quality management education in the country to cater to the needs of corporate and non-corporate sectors and public systems.

The temporary campus of IIM Sambalpur is functioning in a state of the art building at Burjeet Vihar, Burla. **The permanent campus** of Indian Institute of Management Sambalpur is bebe developed in an area of land measuring approximately about **90 Acres at Basantapurvillage near Gosala near Sambalpur City** for 300 students. The site is situated in the close proximity ofNational Highway (No.53) & State Highway. Most of the land is non-agriculture inin Phase-1, only 60,383 sqm approx. built-up area under various buildings of the Project shall be constructed as given here in after.

WHY IIM Sumbalpur needs a new campus ?

- Like the other Present campuses of IIMs, IIM Sambalpur doesnt have its own campus so the institution is suffering from lack of infrastructure.
- The institute begin its operations, IIM Sambalpur accommodate 60 students in its campus. Beginning this year, the institute doubled its intake capacity to 120 despite working from a temporary campus at the Sambalpur University. Peeved with the lack of hostel facilities, 11 students from the 2018-20 batch of IIM-Sambalpur had decided to leave their courses last week.
- "When they found that there are no facilities, they might have taken the decision. But more students staying in the dormitories of the University hostel are now asking for more hostel rooms. We have promised to provide the accommodation by September. But the Sambalpur University Vice Chancellor is refusing to give any more accommodation facilities", said Mahadeo Jaiswal, director of IIM-Sambalpur.

DESIGN SCOPES

1. Designing interactive classrooms, li- braries and influential study spaces were one of the main scopes of college, which can be exhibited through the integrated designs and plan. But apart from design momentous classrooms for learning, captivating and interacting spaces can be created such as hallway,plaza, as the center of academic thought.

2. Space integration is also a major scope of work and a dead and dull space can be made into a living space through circulation & movement pattern.

3.Design may follow the style of Orissan Temple archi- tecture that would depict the traditional orissan cultural heritage.

4. Designing space by utilising natural light & creating inter- esting open spaces is also an important design aspect and providing porous and aerated facades that acts as fil- ters for sunlight and ventilation allows creation of gathering spaces.

5.Since we have 200 acres of site area, landscaping & site planning is one of the major aspect which makes a living business school into a living being.so landscaping is one of the major scope of work which can be exhibited

6.As the site in the outskirts area, it is away from market places and other necessary requirements facilities. Thus providing amenities to in- crease the importance of the location is also a major scope of the project.

IMAGES OF SITE
CLIMATE

Sambalpur district experiences Dry sub-humid **extreme type** of climate. Rainfall : 66 rainy days , 153 mm rainfall on an average per annum. Most of the rainfall is confined to the months from June to October visited by south west monsoon.The rainfall is highly uneven and irregular. Temperature : Mercury rises up to 47° Celsius during May with intolera- ble heat wave and falls as low as 11.8° Celsius during December with ex- treme cold.

SOIL PROFILE :

The district is mostly undulated com- prising ridges and valleys. The soil type ranges from medium to deep black, red and yellow. Mainly two types of soils occur in the district, i.e. Uttsols consisting of red, yellow and lateritic soils, mixed grey soil (Inceptisols) and Alfisolspredominantly include red gravelly, sandy, loamy, red earth mixed with black soils.

VEGETATION

LOCATION
LOCATION : Basantapur village near Gosala near Sambalpur City,Odhisa. The site located 15 km away from Sambalpur in Burla city on the foothills of world famous Hirakud Damp.

SITE CONNECTIVITY :
Nearest railway station : hirakud rail way station which is located 7 km from the location.
Nearby bus-stand :Goshala ,1.72 km from the site.

SITE AREA : 90 Acre.

PRIMARY ACCESS : Through 17m wide (proposed road that has been constructed) road from the north-eastern side of the site. it is con- nected to the M.G ROAD GOSHALA.

SECONDARY ACCESS : A 5m wide road crosses the site connecting vil- lages that situated in north-south boundary of the site.

SITE SURROUNDINGS : The site is surrounded by small villages,Bar- ram lands & small hills and muhanadi is located near 900m. away from the site site is located in the non-agricultural land.

BUILDING USE MAP
BUILDING HEIGHT
FIGURE GROUND

OPPURTUNITY:
1. can become a iconic building and landmark of that area.
2.Interesting landscape.
3.Being the site is in the outskirts area, it is away from market places and other necessary requirements facilities. Thus providing ameni- ties to increase the importance of the loca- tion.
4.have potential to become an studyhub.

WEAKNESS:
1.Low density of people around the site.
2.Far away from the city and its infrastructure.

STRENGTH :
1.No air and sound pollution.
2.Good buildable land available for development.
3.Low skyline due to its rural context.
4.Located away from the city life.

CONCEPT DEVELOPMENT

SITE ZONING -
1. **INSTITUTIONAL COMPLEX** with the library, administration, faculty block, class room block,computer centre, incubation centre,cafeteria.
2. **RESIDENTIAL AREA** for student,faculty and clerical staff. Influenced by the manage- ment philosophy and students busy schedule the living and learning space has been inte- grated.
3.SOCIAL SPACES & GREEN AREAS are provided in between both the institutional complex & residential areas.

ACTIVITY PATTERN

The day time activity is concentrated in ac- ademic and administration zones.
More use of interaction and transition area like, corridors, galleries and courts and foyers through out the campus.
Activities tend to flow between classrooms, li- brary, computer, center, canteens and students Dormitories.

Night time activity shifts to library , comput- er centre and hostel blocks and to the court- yards and foyers.
Seasonal activities of large social gathering happens in central plaza.

CIRCULATION PATTERN :

Circulation in IIM campus is through three major roads-
1. Peripheral
2. Internal
3. Smaller internal roads
Separate accesses are pro- vided for the institutional complex and the residential area.

DESIGN ELEMENTS
SCREEN · BUILDING NATURE CONNECTIVITY · WATER BODIES · COURT YARD · LEVELS & STEPS · CORRIDORS & VERANDAS

PEDESTRIAN & PUBLIC SPACES
- Pedestrian-friendly design elements are incorporated throughout the campus, including its sur- rounding parking lots and street crossings. Varying scales of plazas, formal and infor- mal gathering spaces, and amenities catering towards pedestrians are encouraged to facil- tate spontaneous interactions and a sense of community.
- Informal, visible, and accessible plazas, courtyards, and outdoor gathering areas are provided in between buildings.
- Sculptural elements are encouraged in appropriate public areas as they enhance the building and site design and also work as a memory point.
- Visual Connectivity.

LANDSCAPE ELEMENTS
- Open space for linkage and community use.
- Low maintenance spaces for community and rec- reational use in residential.
- Interconnectedness — an interconnected hierarchy of green spaces at a variety of scales including major spaces, courtyards, walks, corridors etc.
- In the proposed design each zone has been designed to give it a unique sense of place within the campus. Within the zone itself, each building has a specific identity due to its particular loca tion and relation to the landscape.
- Different type of Site Furniture for multpal use.

PHYSICAL SEPARATION · MULTI-USE PATH

FUNCTIONAL ZONING PLAN

SCALE : 1 : 1500

SITE PLAN

GUEST HOUSE · MARKET AREA · FACULTY RESIDENCE · HOSTELS · COMMUNITY CENTRE · DINING BLOCK · ENTRANCE 2 · SPORTS COMPLEX · STAFF RESIDENCE · GROUND · GREEN SPACE WITH PAVING · GREEN SPACE · ACADEMIC WING · WATER BODY · AUDITORIUM · GREEN SPACE · PAVING · GARDEN · MAIN ENTRANCE

17 M. WIDE ROAD

CLASSROOM BLOCK

GROUND FLOOR PLAN · TYPICAL FLOOR PLAN 1st,2nd,3rd,4th
SECTION-BB(CLASS ROOM BLOCK) · SECTION-AA(CLASS ROOM BLOCK)

TYPICAL FLOOR PLAN 1st,2nd,3rd(FACULTY BLOCK) · TYPICAL FLOOR PLAN 1st,2nd(ADMIN BLOCK)
GROUND FLOOR PLAN (FACULTY & ADMIN BLOCK)
SECTION-AA(FACULTY BLOCK)

CENTRAL PLAZZA

SECTION 1-1'

PLAN OF PLAZZA

LIBRARY BLOCK
LIBRARY 1ST FLOOR PLAN
AXONOMETRIC VIEW OF ACADEMIC WING WITH CENTRAL PLAZZA FRONT SIDE
PLANS SCALE : 1:400
SECTION(LIBRARY)
GROUND FLOOR PLAN

ADMINISTRATION & FACULTY BLOCK
VIEW FROM INSIDE
FACULTY & ADMIN BLOCK (FRONT VIEW)
SECTION-BB(ADMIN BLOCK)

SECTION 2-2'

VIEWS
AXONOMETRIC VIEW OF ACADEMIC WING WITH CENTRAL PLAZZA
VIEWS OF CENTRAL PLAZZA
SOUTH SIDE VIEW
SOUTH-EAST VIEW

COMPUTER CENTRE INCUBATION CENTRE & CAFETERIA
SECTION-BB(CAFETERIA)
SECTION-AA(CAFETERIA)
COMPUTER CENTRE
SECTION-AA(COMPUTER CENTRE INCUBATION CENTRE)
CAFETERIA
GROUND FLOOR PLAN · INCUBATION CENTRE
1st FLOOR PLAN · INCUBATION CENTRE
PLANS SCALE : 1:400,SECTIONS , SCALE : 1:200

AUDITORIUM
PLAN
VIEWS FROM DIFFERENT ANGLES
PLAN & VIEWS OF MARKET
AXONOMETRIC VIEW OF AUDITORIUM

A **CENTRE FOR LEARNING**
AT KOLKATA

"No building type has been more sensitive to changing trends, philosophies, or even fads than the schoolhouse."
– Ben E. Graves, School Ways (1993)

The **AIM** of this thesis is to design a school that is custom-fit to the needs of students.

The study of this thesis focuses on three control features.

WHO: Users with dissimilar cognitive and social capibilities due to age.
**Critical few:** Users with maximum need of a safe space in an evironment.

WHERE: Spaces designed for both individual learning and group learning, spaces for interaction and retreat for safety.

WHY: To foster individuality within a school environment and form an emotional attachment with its users.
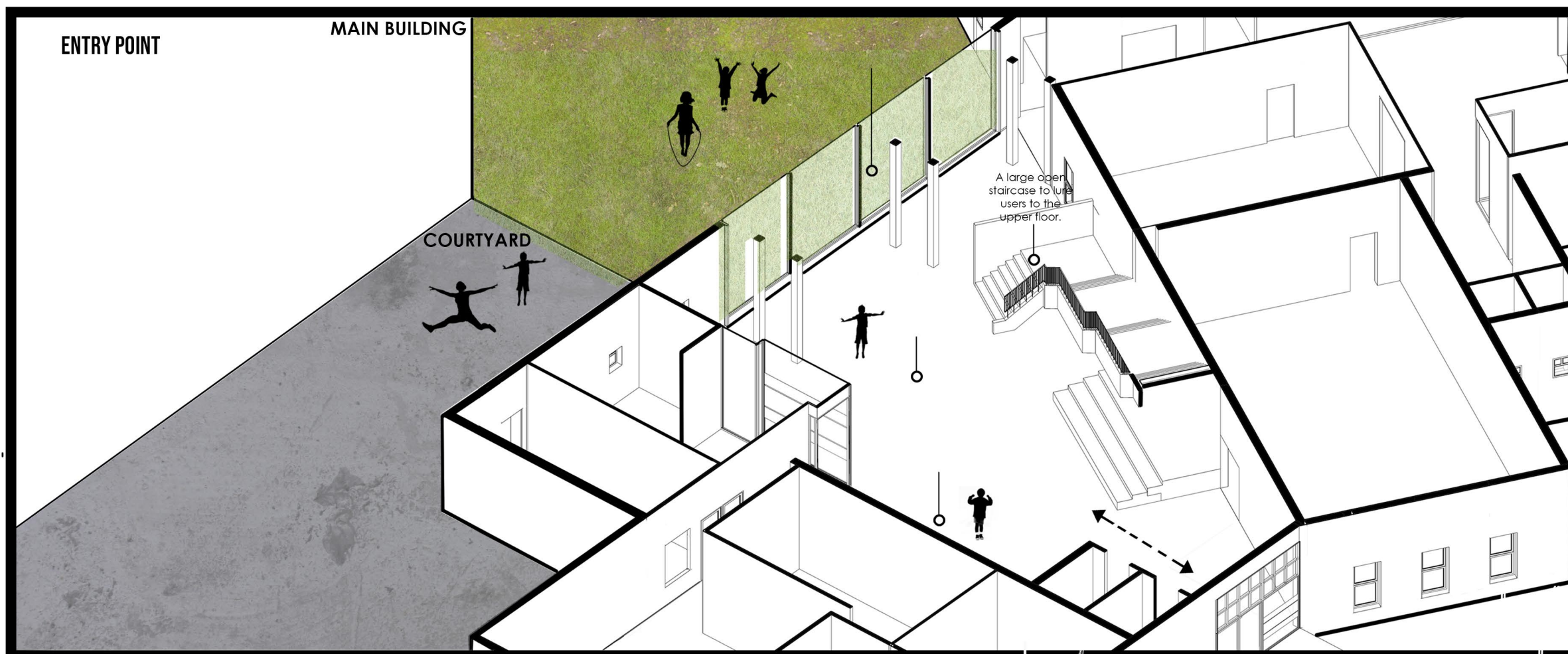
DESIGN QUESTIONS:

■ How are the functional elements of a school aligned in relation to each other?
What are the levels of visibility in between spaces? Is it open, semi-open, closed?

■ Where should the interation spaces be situated within a school?

■ How does visual connection in between spaces(horizontal/vertical) relate to the social/psychological aspects of curiosity, emotional attachment, privacy and trust among its everyday users?

AXIONOMETRIC PLAN - CLASSROOM BLOCK (PRIMARY SCHOOL)

LEVEL FOUR

LEVEL THREE
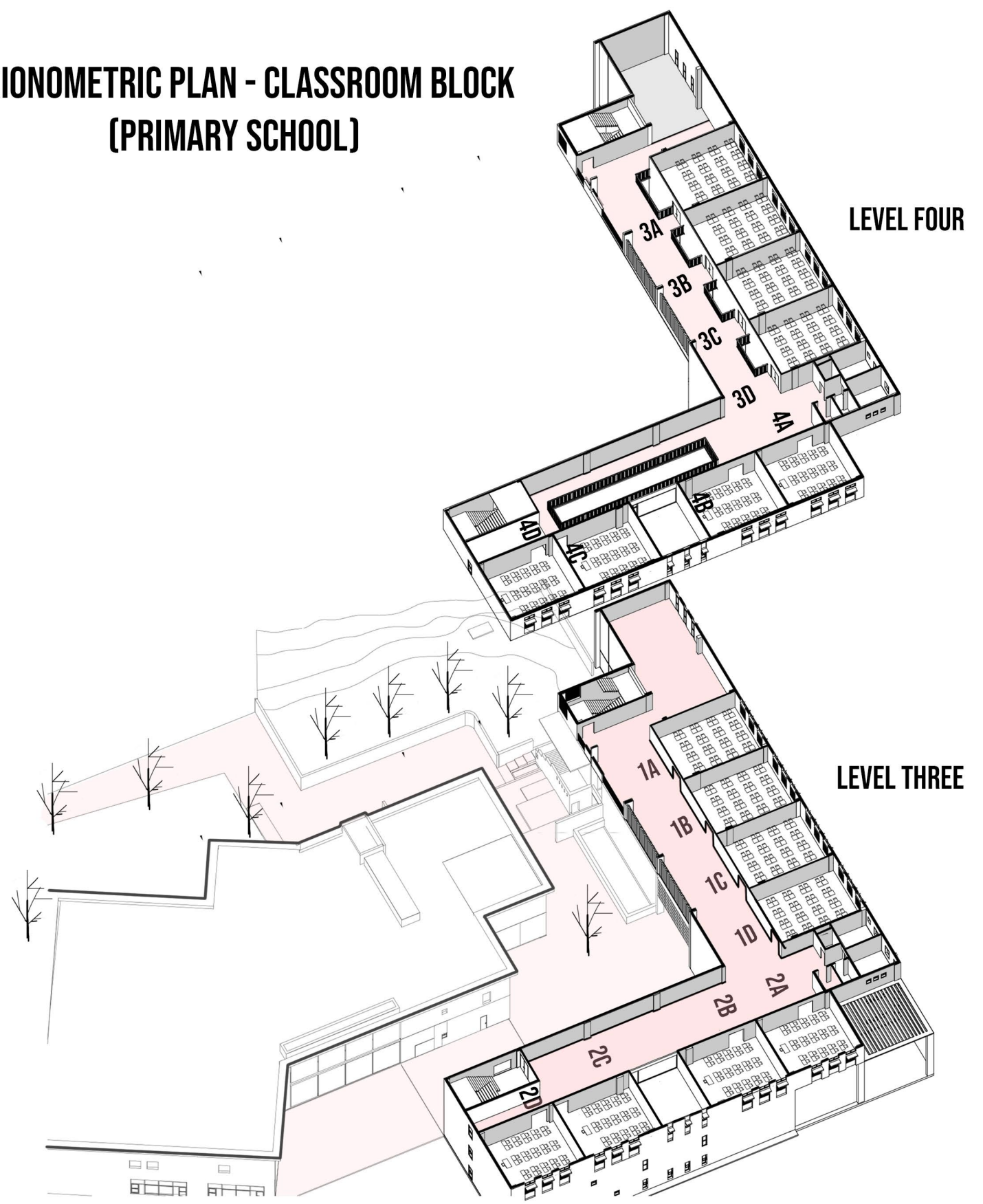
AXIONOMETRIC PLAN - ADMIN BUILDING

ENTRY POINT

MAIN BUILDING

COURTYARD

A large open staircase to take users to the upper floor.

DESIGN PRINCIPLES USED TO CHANGE PERCEPTION OF SPACE

BIOPHILIA
Environments rich in nature views and imagery reduce stress and enhance focus and concentration.
APPLICATION : Corridors directly open to greenery

CATHEDRAL EFFECT
High ceilings promote abstract thinking and creativity. Low ceilings promote concrete and detail-oriented thinking.
APPLICATION : Studios and differents are not the same ht

PROSPECT AND REFUGE
People prefer environments where they can easily survey their surroundings and quickly hide or retreat to safety if necessary.

ENTRY POINT
People do judge books by their covers, and buildings by their lobbies. This initial impression of a system or environment greatly influences subsequent perceptions and attitudes, which then affects the quality of subsequent interactions. This impression is largely formed at the entry point to a system or environment

ELEVATION

ADMIN BUILDING

CLASSROOM BLOCK

GROUND FLOOR PLAN-LEGEND

1 Entrance
2 Multi-purpose Hall
3 Staff Room
4 Studio(single)
5 Studio(double)
6 Studio(single)
7 Office
8 Meeting Room
9 Toilets
10 Foyer
11 Nurse Room
12 Exhibition space
13 Stationery shop
14 Waiting Hall
15 Vice-Principal's Cabin
16 Principal's Cabin
17 Finance & Accounts Office
18 Meeting Room
19 Assembly Hall
20 Multi-purpose Hall
21 Service Room
22 Lift Foyer
23 Library
24 Staff Room

SITE PLAN

SCALE : 1:500

SITE SECTION

STUDIO (DOUBLE)

STUDIO (SINGLE)

ENTRY PLAZA

CONSULTATION ROOMS

CENTRAL COURTYARD

CORRIDOR

ASSEMBLY HALL

CLASSROOMS

zone 2

sitting area
sitting area
lvl. -4525
down
down
lvl. -4525
lvl. -3600
up
platform for arati
pump room below
lvl. ±00
cluster type 2
cluster type 2
platform lvl. +150
existing trees
existing hanuman temple
cluster type 5
cluster type 4
cluster type 8
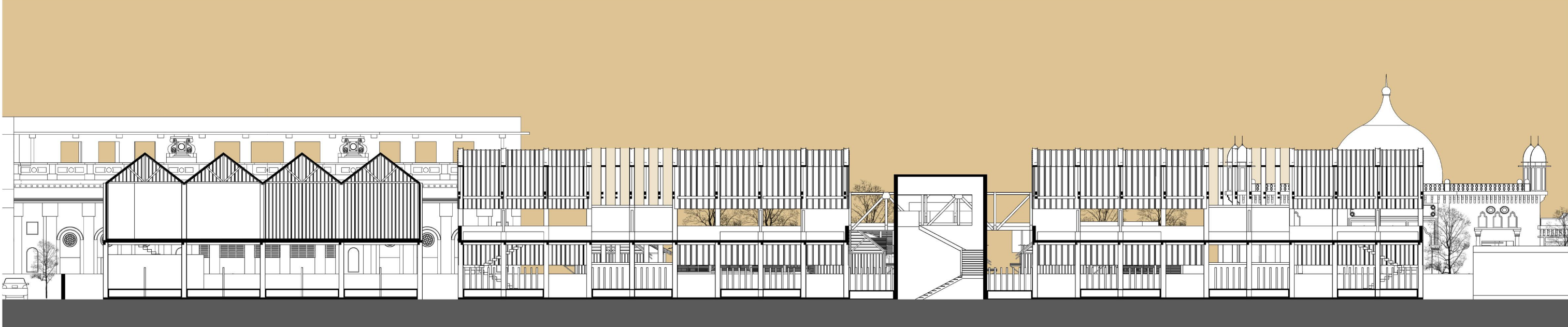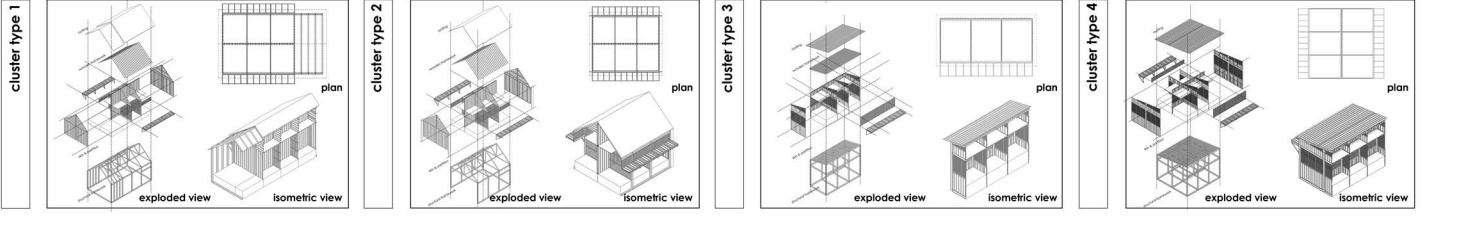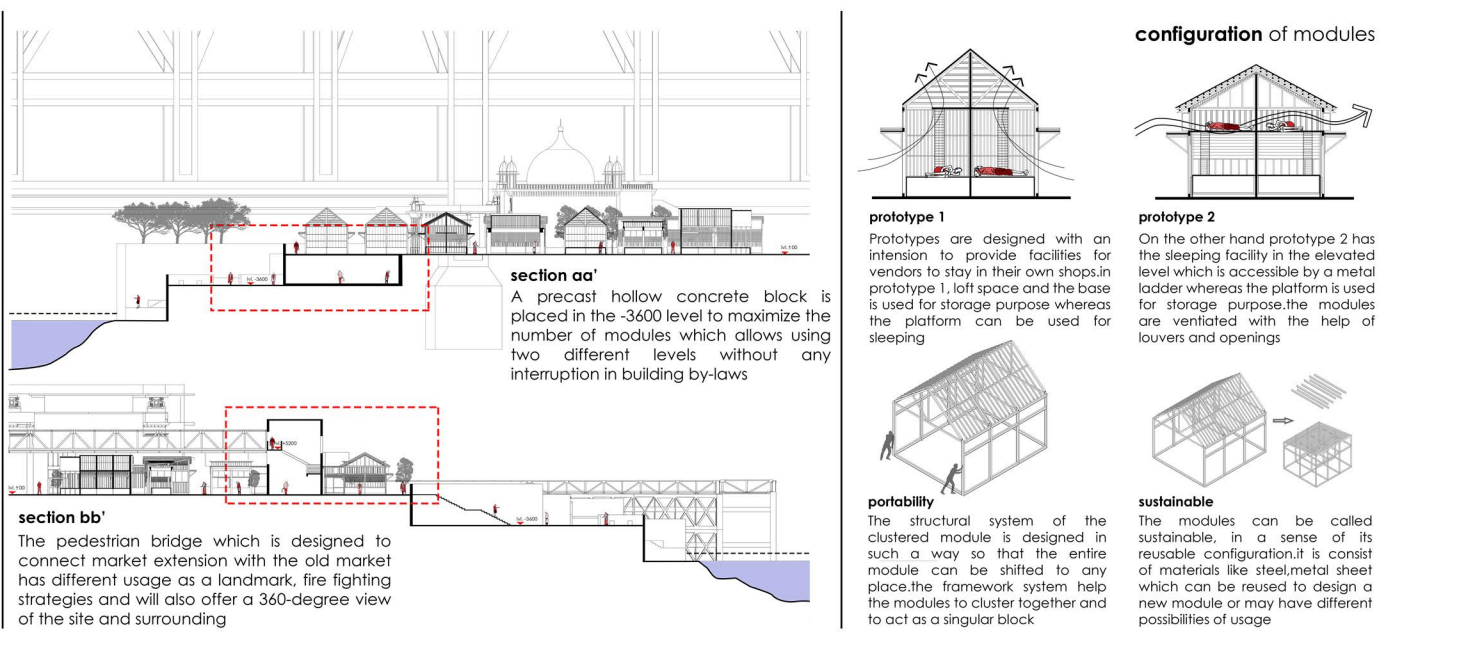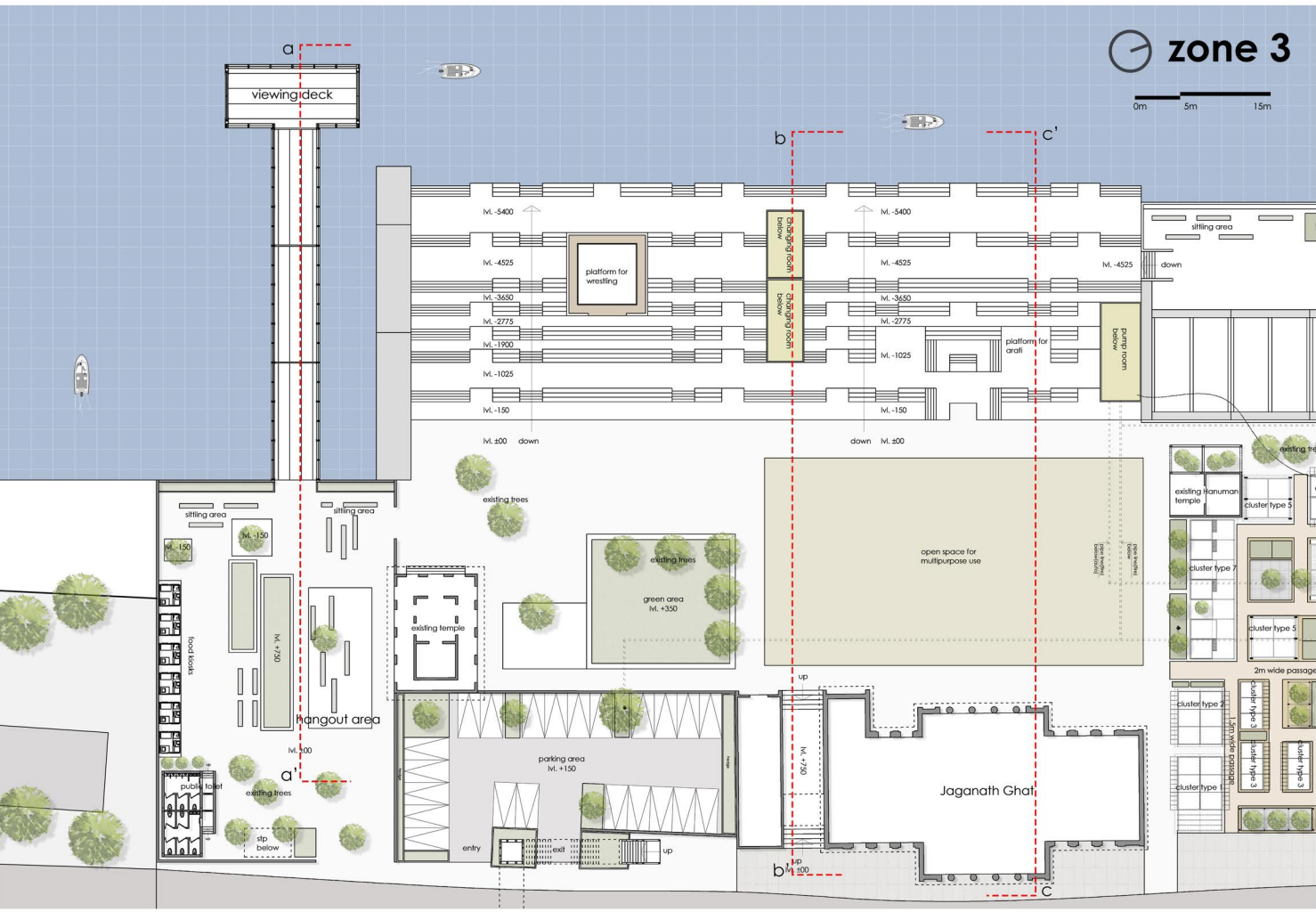cluster type 8
1.5m wide passage
up
up
cluster type 7
cluster type 6
cluster type 6
1.5m wide passage
cluster type 3
Mullick Ghat
lvl. +900
2m wide passage
cluster type 1
up
cluster type 5
cluster type 3
1.5m wide passage
cluster type
cluster type 5
cluster type 3
cluster type 2
lvl. +900
lvl. ±00
Jaganath Ghat

zone 3

viewing deck
lvl. -5400
lvl. -3400
platform for wrestling
lvl. -4525
lvl. -4525
lvl. -3600
sitting area
lvl. -3630
lvl. -2775
lvl. -2775
lvl. -1025
lvl. +150
down
lvl. +00
sitting area
hangout area
open space for multipurpose use
lvl. +150
existing temple
green area lvl. +350
existing trees
parking area lvl. +150
entry
Jaganath Ghat

phase 1
with the existing site topography,the area is divided into two parts which have a level difference of about 4m
lvl. -4000
lvl. ±00

phase 2
simple grid iron pattern has been followed to design the elevated lvl. with the help of two major axis

phase 3
clustered modules have been placed based on strategies to maintain a free flow movement pattern within the site

phase 4
open space or gree space is designed along an imaginary line that connects the existing temple & node

architectural influences
the forms of the clustered module are inspired by the architectural features of the site and the surrounding which help to blend the proposed market with its context

existing section aa'

the concept of cut and fill has been applied to minimize the project cost and to design with the micro topography within the site,retaining walls have been proposed to encounter erosion in the riverfront

section aa'
A precast hollow concrete block is placed in the -3600 level to maximize the number of modules which allows using two different levels without any interruption in building by-laws

section bb'
The pedestrian bridge which is designed to connect market extension with the old market has different usage as a landmark, fire fighting strategies and will also offer a 360-degree view of the site and surrounding

configuration of modules

prototype 1
Prototypes are designed with an intension to provide facilities for vendors to stay in their own shops.in prototype 1, loft space and the base is used for storage purpose whereas the platform can be used for sleeping

prototype 2
On the other hand prototype 2 has the sleeping facility in the elevated level which is accessible by a metal ladder whereas the platform is used for storage purpose.the modules are ventilated with the help of louvers and openings

portability
The structural system of the clustered module is designed in such a way so that the entire module can be shifted to any place.the framework system help the modules to cluster together and to act as a singular block

sustainable
The modules can be called sustainable, in a sense of its reusable configuration.it is consist of materials like steel,metal sheet which can be reused to design a new module or may have different possibilities of usage

cluster type 1
exploded view
plan
isometric view

cluster type 2
exploded view
plan
isometric view

cluster type 3
exploded view
plan
isometric view

cluster type 4
exploded view
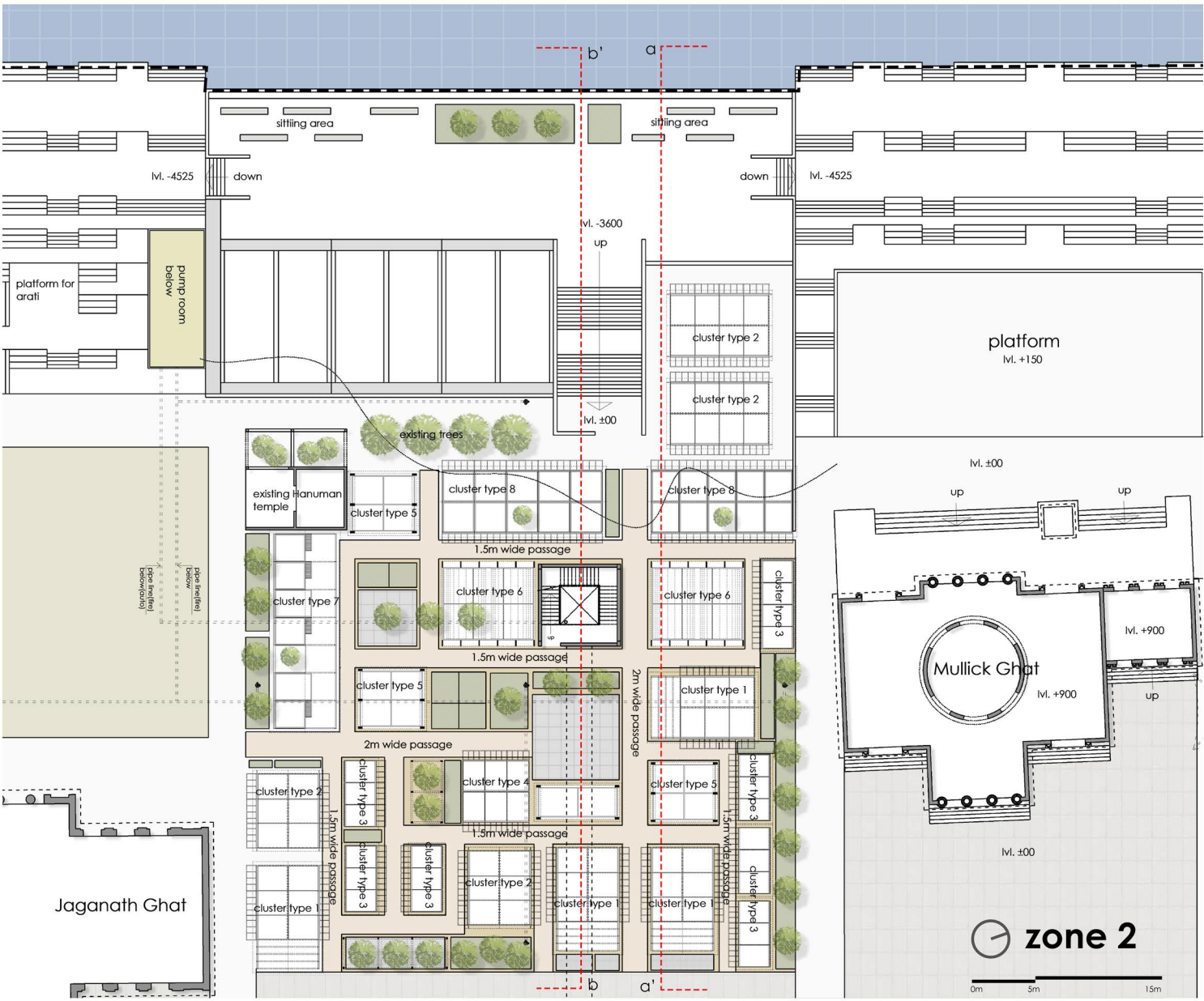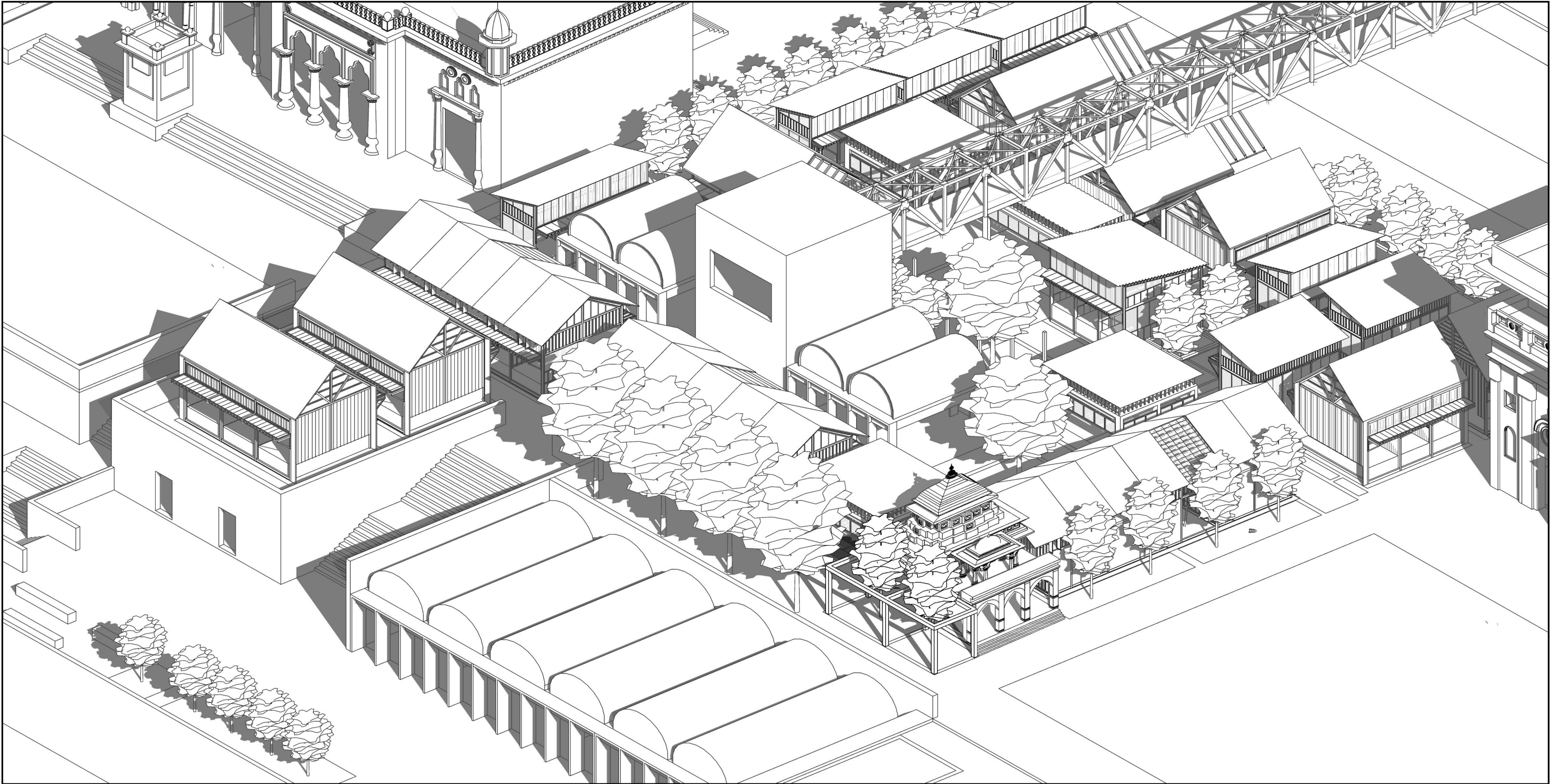plan
isometric view

Anchorage
A composite funerary space
at Thane, Maharashtra

The thesis aims to unify mankind and create stronger cultural bonds. A space that belongs to the deceased, mourners and the people of the city. A memory of the past that gives meaning to the present. It also looks into enabling funerary spaces to be a part of the urban realm and act as a positive catalyst towards personal interactions which have become blurry in the present urban environment.

Can we forget religious boundaries for once and address aspects of bereavement simply as a human race?
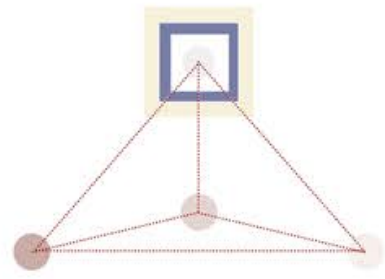
the giant white cylinder : Grief and pain has no religion. Realizing that we are a part of a bigger universe.

the water element : helps to calm the mind soul from the agony it is going through

intimate space for self introspection and acknowledgment forms an important part in overcoming grief.
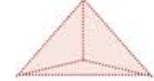
the fire element : it is said that one that is born shall one day die (cremated or buried)

These forms are amalgamated to create spaces for cultural diversity while respecting the individual grief process.

funerary space

WATER — calm, reflection, adds emotional quality, sound of water-sound barrier

socio-cultural space

TREES — sweet smelling flowers and shady trees to help comfort the grieving

green belt

DRY LANDSCAPE — allows one to feel the grief and pain associated with death, while providing shade from above.

entry

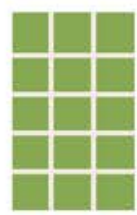HOPE — new plants, fruiting or flowering trees to bring hope. plantation area

LIFE

outside: hectic, loud, noisy, in motion

exit

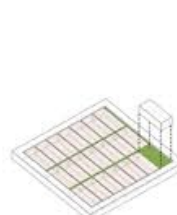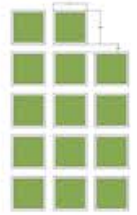regular burial plots: not planned, haphazard resulting in marshy lands and water clogging.

division of plots into modules for better organization and order.

each module is 7700mm x 7700mm which can accommodate 21 graves.

1800mm pedestrian pathway on either sides along with 200 mm curbing.

Hindu - no. of graves - 750
Christian - no. of graves - 708
Muslim - no. of graves - 800

Reuse of graves: Each grave can be reused after 6 months and the remains are either handed over to the family or deep buried (over 6ft) in the site. No permanent graves and hard wood coffins. Eco burial practices for reducing waste and fast decomposition of the body.
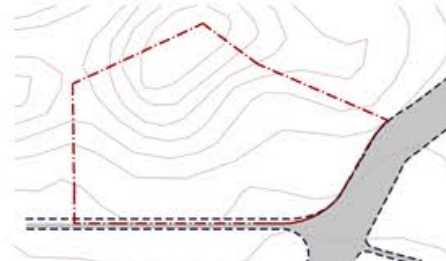
site plan

Built up area - 22%
Ground coverage - 14%
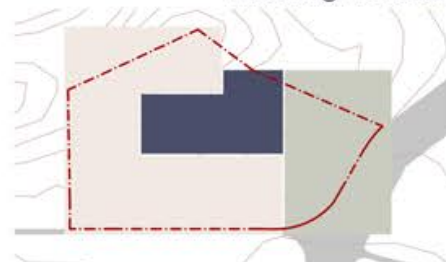
basement

scale
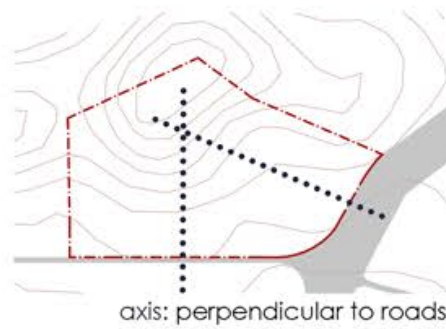
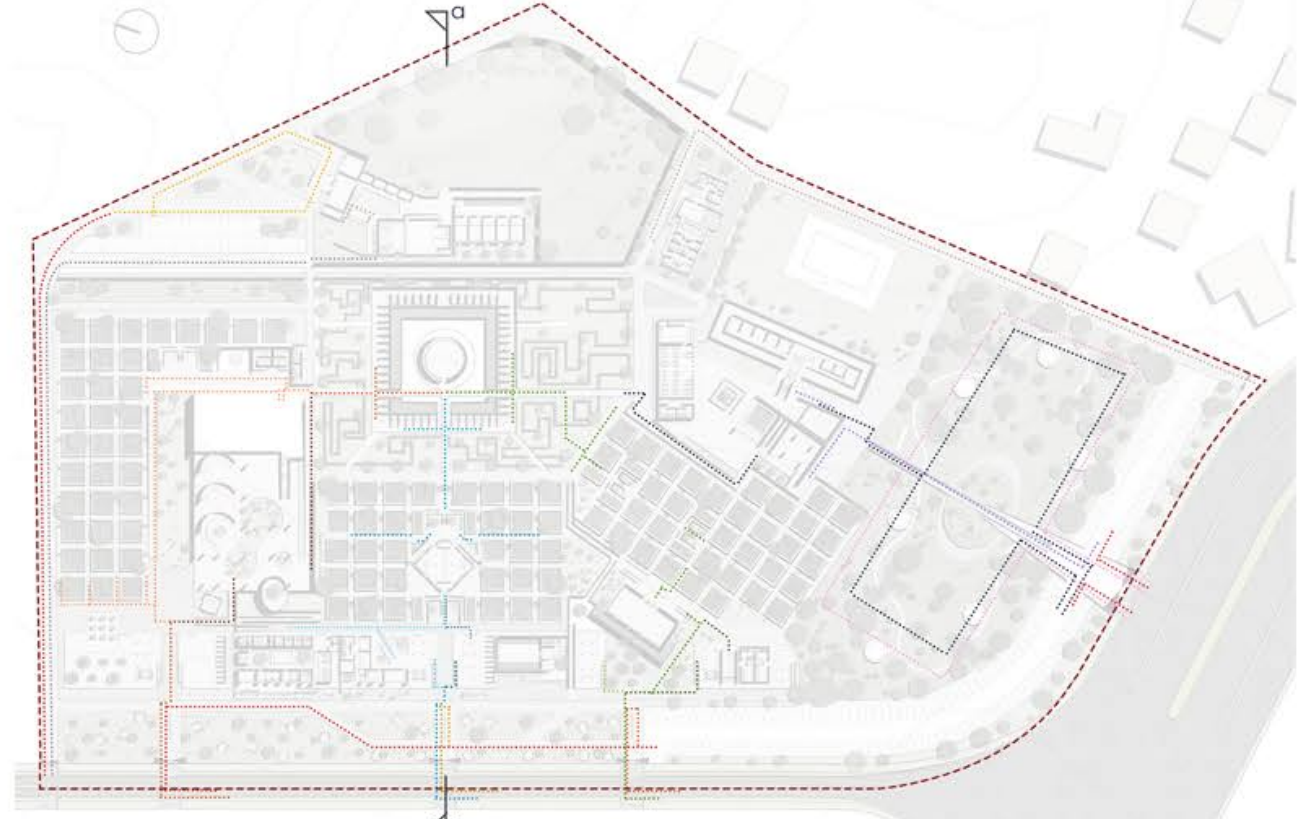axis: perpendicular to roads
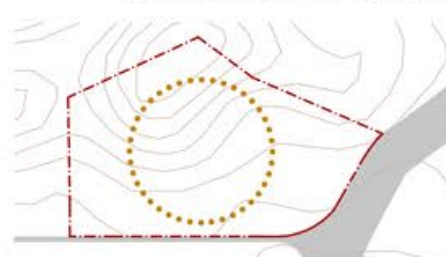
the loop: the circulation allows a bereaved to follow a sequential path, differentiation of entry and exit pathways

widening the road

the three zones: funerary zone
socio-cultural zone
green belt

| hindu family relatives/friends | christian family relatives/friends | muslim family relatives/friends | vehicular path secular path visitors for contaminated zone | service entry neighbourhood visitors for museum, library, seminar and meditation |

User movement is the site play a crutial role in oder to avoid chaos in the site. Each user group has been allowed to enter through particular entries and culminate in th center point. The thought : "grief has no religion" and "consoling should be done as mankind" and not just as religous groups has been implemented for better community building while respecting religious views. The funerary space is the last memory we share of the deceased and thus this space should be sacred and should evoke a better remembrance for the future. The site allows user to go through various stages of the initial healing process which shall later become a better memory.
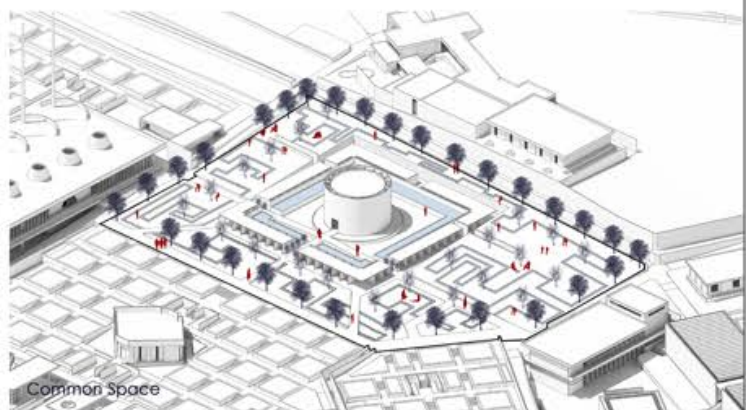
section aa

Hindu funeral space
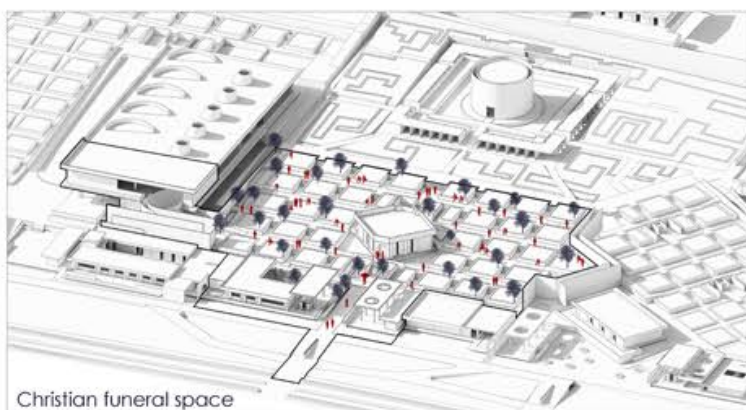
Christian funeral space

Muslim funeral space

Common space

Hindu Crematorium

Museum Of Memories

Common Hall

B. Arch Thesis 2020 Vidisha Das