COVER PAGE FOR THE APPLICATION PACKAGE

BY MADHURJYA MEDHI



GRADUATE ARCHITECTURAL

Portfolio

BY MADHURJYA MEDHI

IT'S ME

My hobbies of writing and drawing have given a new perspective to look at things, they have encouraged me to look at architecture as stories, poems or even paintings of the people and nature bearing its own identity. Someday, in near future I wish to write a book exploring architecture with people, their stories and nature.

Throughout this portfolio I have tried to Showcase my design as well as exploration process that are documented.



CONTENT-

The elements of the portfolio are arranged depicting my design process and how I arrive at them. There are mainly three phases I go through while designing- The phase of Inspiration and consumption, then the phase of Expressing and Processing and lastly the phase of designing

01. Inspiration & Consumption

02. PROCESSING & DEPICTION

03. DESIGNING -

A. A POET'S ESCAPE



C. FOUR STAR HOTEL



B. International School



A. ART & CULTURE HUB



1. Inspiration & CONSUMPTION



Before the flight Photograph by Madhurjya Medhi Near Qutb Minar, New Delhi, India



Full Bloom Photograph by Madhurjya Medhi Lodhi Gardens, New Delhi, India



Layers of Stories Photograph by Madhurjya Medhi Goa. India

A. Photography

Photography is been a means for me to capture moments with the portrayal of a story. I tend to click pictures of the moments that calls out to me, which have always inspired me in the creative fields I am associated with. Every answer, every solution is around us somewhere, we just need to be a little more observant to find those.

Capturing the moments creates the opportunity to revisit a moment each time we look, which has made the ingestion of ideas a lot easier and meaningful for me.

- a. Before the filght(taken at a public place in Delhi) Before spreading the wings the bird is feeling the breeze, the direction of wind, the intensity of the wind.
- b. Full Bloom(taken in Lodhi Gardens, New Delhi) This water lily was radiating its beauty irrespective of its location.
- c. Layers of stories (taken at a port in Goa) Each wave is a result of something that is happening in the sea, be it underwater or the surface.
- d. One point perspective(taken in Fatehpur Sikri) Though one can see only one path behind, there are multiple paths lying ahead of oneself to go in the right direction.

B. Watching FilmsWatching films has been of a hobby of mine as well as one of the source of inspiration since my childhood. Besides, watching movies from different countries have influenced my work to have a new direction instead of the same conservative way.

C. Reading

b

Another one of my hobbies is reading. With reading I almost get a blank slate to imagine with my own experience, my own mindset as there lays only a narration or a description with less visual interpretation unlike movies.



One Point Perspective Photograph by Madhurjya Medhi Fateh pur Sikri, India

After grasping the moments, in the processing phase I depict my inner thoughts in the form of paintings, drawings, poems..

2. PROCESSING & DEPICTION

The Night

by Madhurjya Medhi© , 2020 Near the window, When the urge of getting flown away WIth the river Was calling out to me, Staring at me, the bright light Of the far away land, was Making the utmost contrast With the dark night Proudly... The spell it used to capture me Worked perfectly.... Shinning more and more With the depth of the night It spellbound me, So deeply

.....

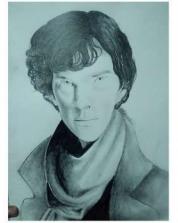
With the experience of the night's darkness
And the river touching horizon....
I remained still throughout
The silence of the whole night
Witnessing the mysterious beauty
Of the darkness....
And with the promise
We departed.....
To meet again,
To share a silent
And sleepless night again......

That the silvery sparkles in the river

Started disappearing.... Murmur of the river

P-1.04/ Madhurjya Medhi

Was telling me to reach it!!!



Portrait of Benedict Cumberbatch by Madhurjya Medhi, Medium: Pencil Shading



A two-point perspective drawing from a photo by Madhurjya Medhi, Medium: Ink, graphite



Painting of a fox by Madhurjya Medhi, Medium: Water color

Newspaper



A landscape by Madhurjya Medhi, Medium: Wood carving





Portrait of Timothée Chalamet by Madhurjya Medhi, Medium: Pencil Shading





A two-point perspective drawing from a photo by Madhurjya Medhi, Medium: Ink, graphite

3. DESIGNING

A. A POET'S ESCAPE

4th semester, sessional paper, **Individual** Studio, 2018 (January-April) AR454, Landscape and Site Planning Practice



Site Plan





Pathway under the trellis connecting the two buildings



Stepped formation (inspired from "Jhoom Cultivation") by using the contour of the site



Steps leading to embrace the flowing river

Project Type: Hypothetical

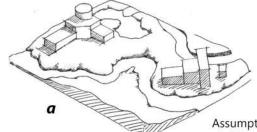
Project Background: As the name suggests, we were given the task to create a recreation space as an escape for a poet away from the mechanical world. The site for this project was considered to be located in Darjeeling, West Bengal, India, due to its popularity as a travel destination amidst the hills embracing nature.

About the project: People has a longing for an escape for a while from their busy lives. A person who is a poet inside and is working day and night, will surely appreciate and embrace nature if given a chance to escape. This project is designed keeping in mind the poet's perspective and how he/ she/ they will cherish it.

About the design: While designing, it is kept in mind that there are many nature embracing points. There are spaces where one can sit looking through the branches of the trees at the fragmentation of the sky, which gives the sense of the vastness of it, there are areas where one can hear the murmur of flowing water, but can't see it making the view of the river more desirable, also there is an area in the form of a Zen Garden where one can meditate to release oneself from stress, anger etc.

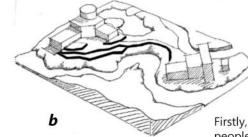
The design process is briefly depicted through "a-e".

Design Evolution



Phase 1

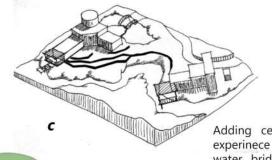
Assumption of a contour site with a difference of 0.5m between 2 contour lines. Different techniques are used for the designing of the landscape keeping in mind the climate and place as well as the poetic theme.





Phase 2

Firstly, the method of "Jhoom cultivation", people use in the hilly terrain, is used to create the stepped formation with the help of the contour of the site.





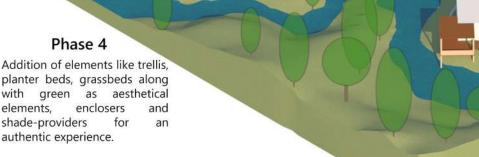
Phase 3

Adding certain elements to enhance the experinece of nature such as platforms over water, bridge over water, creation of a zen garden for meditation.

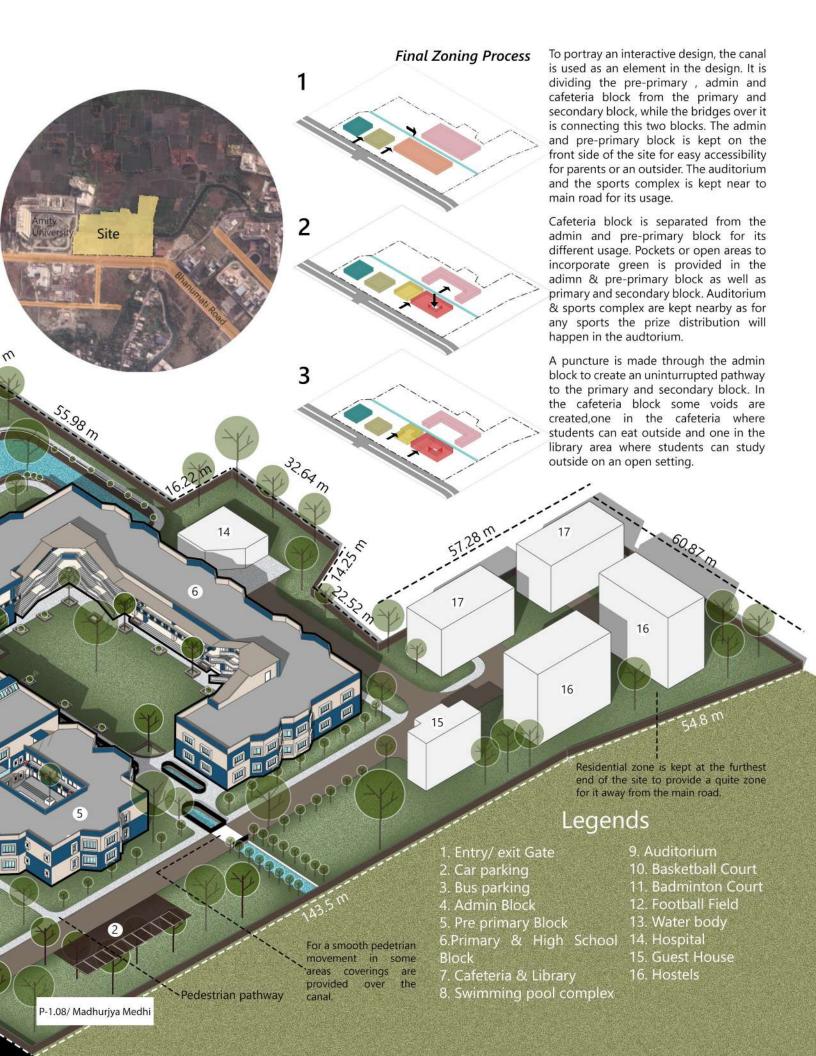


green as with elements, enclosers shade-providers authentic experience.

P-1.06/ Madhurjya Medhi

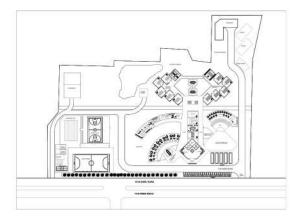


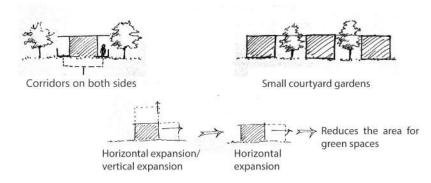




Design Evolution

Stage 1

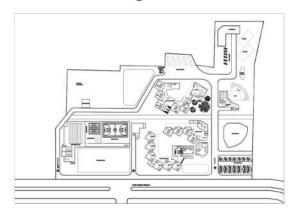


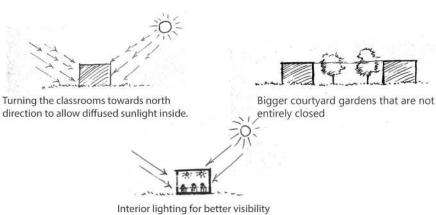


At this stage, the aesthetical factor from outside was not fully considered, only an insider's perspective was taken into account. In this design the distribution of solid and void was not acting in a good way. Also, the demand of some areas for the connection with outdoors wasn't established properly which led to a design which is not site inclusive.



Stage 2

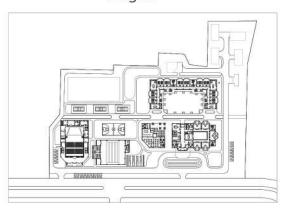




Not every classroom was getting an open interaction area. The concept to rotate the classrooms toward the north direction didn't seem very essential, as there will be artificial lights inside the classrooms, and also the amount of incidental unused areas got increased.



Stage 3





To keep an eye on the students, teachers' rooms are placed in between classrooms, the rendered areas are the teachers' room

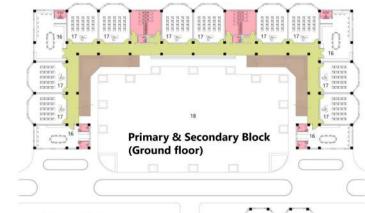




Library on the 1st & 2nd Including the canal as a landscape element

In this design the interactions among the buildings are tried to be maintained. For better and easier distribution of surveillance on the students open spaces are provided in smaller pockets and made visible from the teachers' room.

Including the canal as a landscape element





Cafeteria & Library Block (Ground floor)

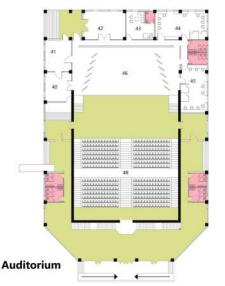
Legend

Horizontal Circulation

Toilet

Vertical circulation

Admin & Pre-primary Block (Ground floor)



Ground Floor Admin & Pre-primary Block

- J. Reception
 2. Waiting area
 3. Finance section
 4. Teachers' room
 5. Janitor's room
 6. Meeting room
 7. Nursery classroom
 8. LKG classroom
- B. LKG classroom
- 9. UKG classroom 10. Play garden

Cafeteria & Library Block 11. Cafeteria 12. Outside eating zone

- 13. Kitchen 14. Cold storage 15. Dry storage

Primary & Secondary Block 16. Teachers' Room 17. Classrooms 18. Playfield

First Floor

- Admin & Pre-primary Block
- Academic evaluation section
 Examination section
 Principal's office

- 21, Principal's office
 22. Waiting area
 23. Vice-principal's office
 24. Counsellor's office
 25. Balcony
 26. Seminar room

Cafeteria & Library Block Primary & Secondary Block 16. Teachers' room 17. Classrooms

Second Floor

Admin & Pre-primary Block

- 28. Dance Studio 29. Art Studio 30. Music Studio 31. Roof

Cafeteria & Library Block

27. Library(inside) 28. Library(outside)



Cafeteria & Library Block (First floor)



Cafeteria & Library Block (Second floor)



Ground Floor Swimming Pool Complex

- 32. Swimming Pool Col 33. Male Changing room 34. Male shower area 35. Female Changing room 36. Female shower area 37. Coach's office 38. Swimming Instructor

Auditorium

- 39. Entry Lobby 40. Light room 41. Sound room 42. Store room 43. VIP guest room

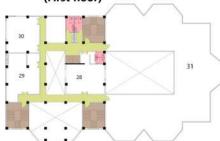
- 44. Green room(male)
 45. Green room(female)
 46. Stage
 47. Area for specially abled people 48. Middle aisle



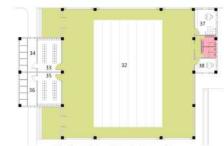
Primary & Secondary Block

(First floor)

(First floor)



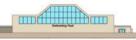
Admin & Pre-primary Block (Second floor)



Swimming Pool Complex











C. FOUR- STAR HOTEL

6th semester, sessional paper, **Individual** Studio, 2019 (January-March) AR651, Architectural Design Practice V

Location

The site is located on the Rowland Road, which can be accessed from the Sarat Bose Road. The Mullen Road is just behind site. The commercial places in the city like Forum Mall etc. are very near to the site. The neighbourhood of the site is mainly a residential area.

ADDRESS: 26, ROWLAND ROAD, BALLYGUNGE, KOLKATA,WEST BENGAL 700020

SWOT Analysis

STRENGTH-

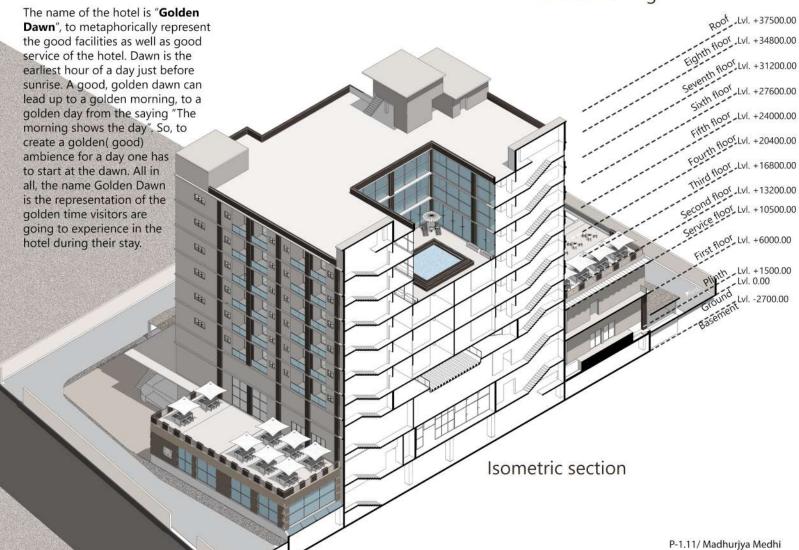
- -Due to its location people staying in the hotel will feel more comfortable as well as safe.
- Very near to the Forum Mall and the commercial areas in the city.

WEAKNESS-

- No open areas around the site, lack of natural landscape. OPPORTUNITIES-
- -Creating an interactive environment with the surroundings will make the visitors feel homely..
 THREATS-
- -The one directional traffic flow at certain hours may become a concern for the visitors

6th-7th Floor: Visitors' guest room. 5th Floor: Visitors' quest room with an interaction zone. 2nd-4th Floor: Visitors' guest rooms along with VIP guest rooms. Service Floor: Service core of the whole building Visitors' interation zone First Floor: A public Visitors' residential zone: interaction zone with VIP quest rooms as well the facilities of as normal guest rooms. cocktail lounge, health club, cyber Service zone cafe etc. Public Interaction zones: Ground Floor: Restaurants, cafe, banquet hall etc. public interaction zone with the Vertical movement: Lifts, facilities of restaurant, Staircases banquet hall, cafe etc.

Vertical Zoning



Legends

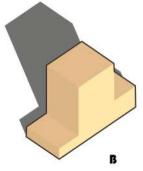
- 1. Banquet entry/ guest entry
- 2. Security kiosk
- 3. Basement entry
- 4. Banquet drop off
- 5. Guest entry
- 6. Service entry
- 7. Site level service zone
- 8. Roof Garden
- 9. Guest interaction zone
- 10. Basement exit
- 11. Lawn for partying near banquet hall
- 12. Pocket garden
- 13. Roof
- 14. Lift Machine Room(LMR)



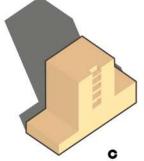
Evolution of the form



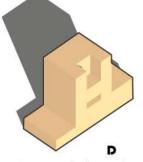
A uniform cuboid as the form considering the stability



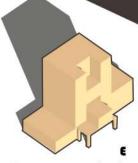
Horizontal extension to incorporate green on the roofs and to increase its stability.



Providing cutouts on alternate floors for natural light as well as aesthetics



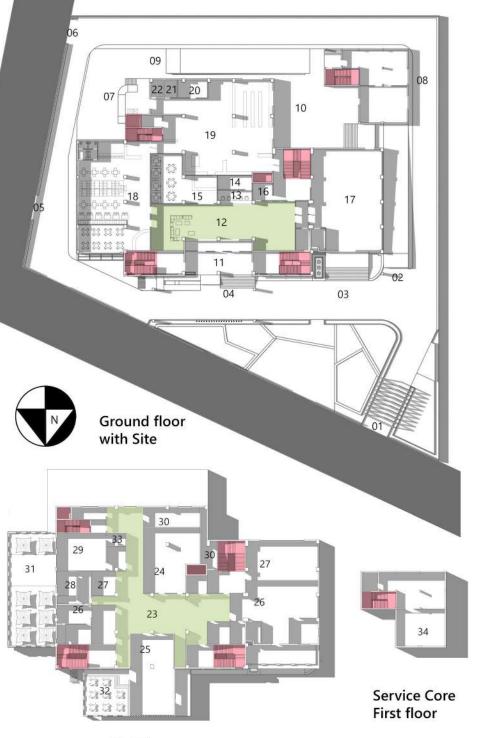
To maximize the floor area and to create an open interaction zone a large puncture is provided instead of the smaller ones.

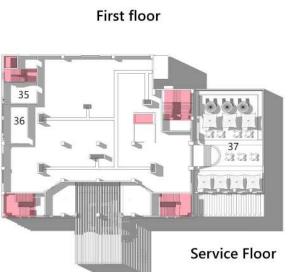


To attract people, the cocktail lounge along with a stting area is extruded out towards the front, visible from the main road.



3D rendered view

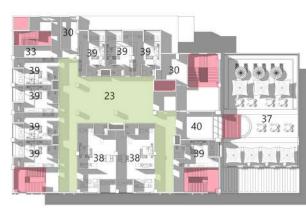




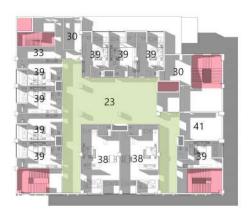


Horizonatl circulation

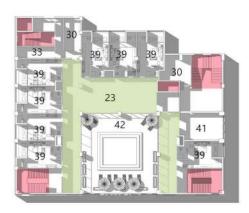
Vertical circulation



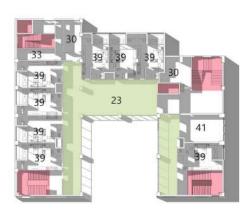
Second Floor



Third- Fourth Floor



Fifth Floor



Sixth- Seventh Floor



Site level

- 1. Banquet entry/ Visitors' entry (site)
- 2. Basement entry
- 3. Banquet drop off
- 4. Visitors' drop off (building)
- 5. Visitors' entry/ exit (site)
- 6. Visitors' exit/ Service entry
- & exit (site)
- 7. Loading/unloading
- 8. Service core (site level)
- 9. Basement exit

10. Party lawn Ground Floor

- 11. Entry foyer
- 12. Entry lobby
- 13. Reception
- 14. Office
- 15. Themed Restaurant
- 16. Lift lobby
- 17. Banquet Hall
- 18. Restaurant cum Bar
- 19. Kitchen
- 20. Store
- 21. Dry storage
- 22. Cold storage

First Floor

- 23. Lobby
- 24. Health club
- 25. Cocktail Lounge
- 26. Manager's apartment 27. Admin office/ meeting room
- 28. Lobby for the rooftop garden
- 29. Manager's office
- 30. Room service staff
- 31. Roof garden
- 32. Rooftop Cafe
- 33. HVAC room

Site level service(first floor)

Site level service 34. Service core

Service Floor

- 35. House keeping staff
- 36. Cleaning staff
- 37. Roof garden (accessible from

the upper floor)

Second Floor- Seventh Floor

- 38. VIP guest rooms (6 in numbers)
- 39. Guest rooms (48 in numbers) 40. Entry veranda (to the roof
- 40. Entry veranda (to the roof garden)
- 41. Study room
- 42. Roof garden

About the design

The first two floors are open for all the people coming to the hotel (to dine in, to have a drink etc.). From the second floor to the seventh floor, these are floors for the guests only where visitors can enter with permission.

There is a small garden in front of the hotel building as a pocket garden amongst the concrete jungle. To have more green areas two roof gardens a created on the extensions on both sides of the building.

Elevation (North)

In the elevation of the building Porcelin Ceramic Rainscreen Cladding is used because of its durable nature in the harsh weather.



D. ART AND CULTURE HUB SRI SRI MADHABDEV KALAKSHETRA

10th semester, sessional paper, Individual, (work from home, online), 2021 (January-May), AR1071, Architectural Thesis II

Madhabdev was the prime disciple of Srimanta Sankardev and was a prime preacher of the movement "Ek Saran Naam Dharma", through which Sankardev started bringing the idea of democracy among the people of Assam. Also, Sankardev and Madhabdev contributed many authentic elements to the Assamese culture and literature such as 'Bhaona', 'Borgeet', 'Holigeet' and 'Ghosha'.

The primary design was proposed in Narayanpur in 2007 and some areas are contructed also, But due to different reasons the work was postponing further. Currently, the phase III of the construction is happening.

Note: According to the suggestion of the jury members, the whole site is redesigned with the built and non-built parts.

Design Methodology

Research Ouestion? Areas of Research How to create an authentic A. Development of art & Kalakshetra justifying the culture of Assam of Madhabdev B. Madhabdev's contribution different from the Sankardev to the Assamese society Kalakshetra C. Architecture of Assam D. Activities of an active satra **Design Questions** How the architecture shapes the interaction between the built environment & people Human scale buildings for people to interact comfortably How will the design serve in future Conservation of art and culture and history of Assam for many generations to How the design will respond to its surroundings An ecological corridor is incorporated connecting the paddy fields around for

Will the forms follow function
Buildings are chronologically arranged in the site

conserving bio-diversity.

How it will help in the social & political context
Exposure to the works of local art and craftsman as well as for the local artists
to showcase their talents.

Architectural expressions in Assam



Traditional Assamese houses



Stilted houses with vernacular materials in the hills



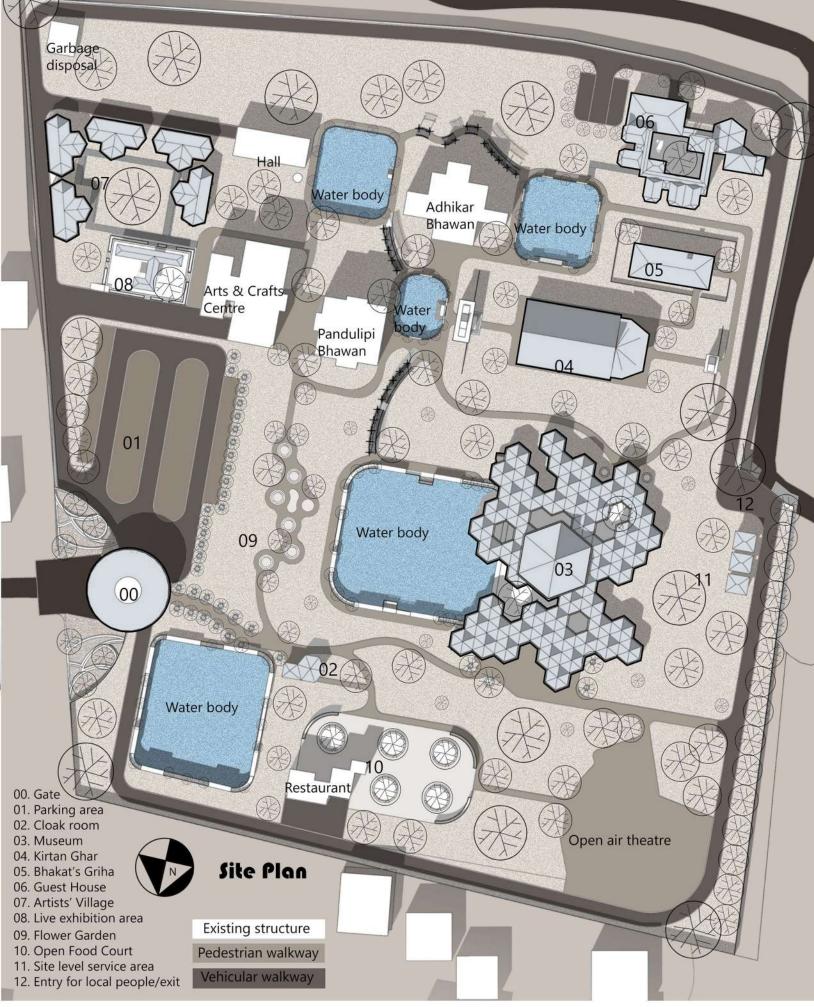
Pavilions built near paddy fields to keep an eye on the crops.

· · · · Case Studies

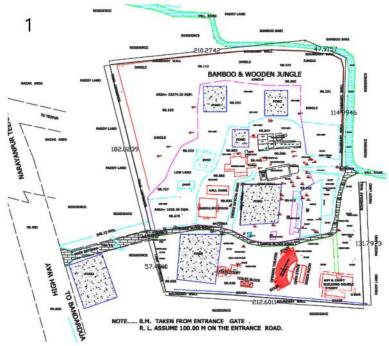
- Srimanta Sankardev Kalakshetra Guwahati (primary)
- Jawahar Kala Kendra, Rajasthan (secondary)
- Salar Jung Museum Hyderabad (primary)
- Madhabdev Kirtan Ghar Barpeta (primary)
- 5. Sankardev Kirtan Ghar Patbaushi (primary)

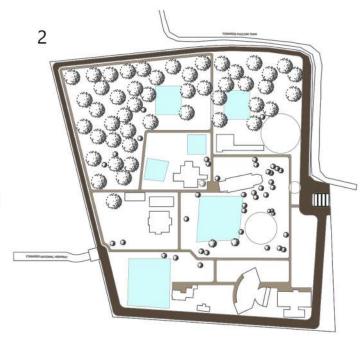
Inclined roof for the heavy downpour, to grow creepers.

Addition of a buffer from outside in the form of a veranda where people can interact



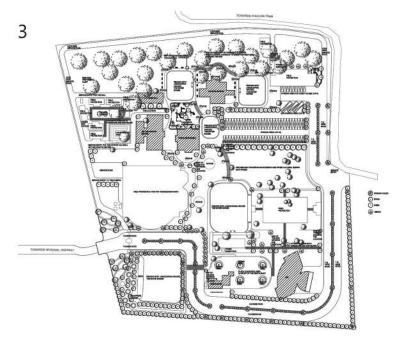
Design Evolution

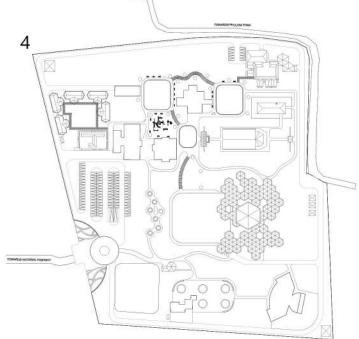




This is the current condition of the site. The site for the project of Madhabdev Kalakshetra was taken around the campus of Badla Padma Aata Satra (Badla Padma Aata was the prime disciple of Madhabdev). The Kirtan Ghar and disciple centre were to be redesigned and the Pandulipi Ghar, Adhikar Ghar, Art & Craft Centre, Hall etc. are newly designed.

In the first stage of the design, the road network was proposed with the clear distinction between vehicular and pedestrian pathways. It was kept in mind that the vehicular roads are not crossing the pedestrian pathways to create a pedestrian friendly environment. The areas for the museum and the guest were proposed.





The third phase of the design with the distinction between the vehicular and pedestrian paths, included the chronological sequencing of the buildings. This design was lacking the appreciation spaces for the buildings, specifically the museum. In the final phase of the design, a one directional flow of visiting the buildings is proposed keeping the Kirtan Ghar of Badla Padma Aata at the heart of the activities of the site.

Conceptual Thoughts

Madhabdev was one of the prime preacher of

"Ek Saran Naam Dharma"

"A religion which accepts everyone irrespective of the statification of the society, under which religion everyone is equal and safe"

Traditional Assamese umbrella

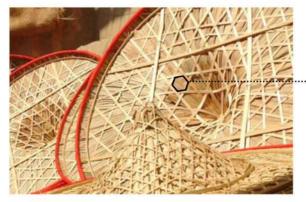
'Japi'

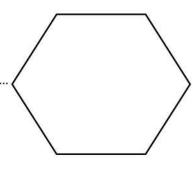
"An object farmers use to protect themselves from rain, the sun in the fields while working, also used as a traditional gift as well as a decorative element"

Ek Saran Naam Dharma = The idea of Japi

Metaphorically "Ek Saran Naam Dharma" is depicted through the idea of a Japi, an umbrella under which everyone is safe from the rain, umbrella being the religion and the rain being the conservative tradition and beliefs, society as well as stratification.







Japi is created following the pattern of a hexagons and triangles where hexagons are dominant visually. From this idea the hexagons are taken as the prime shape of the design in plan. To maintain a cohesive nature of the buildings, hexagons are incorporated with each of the plans of the buildings.



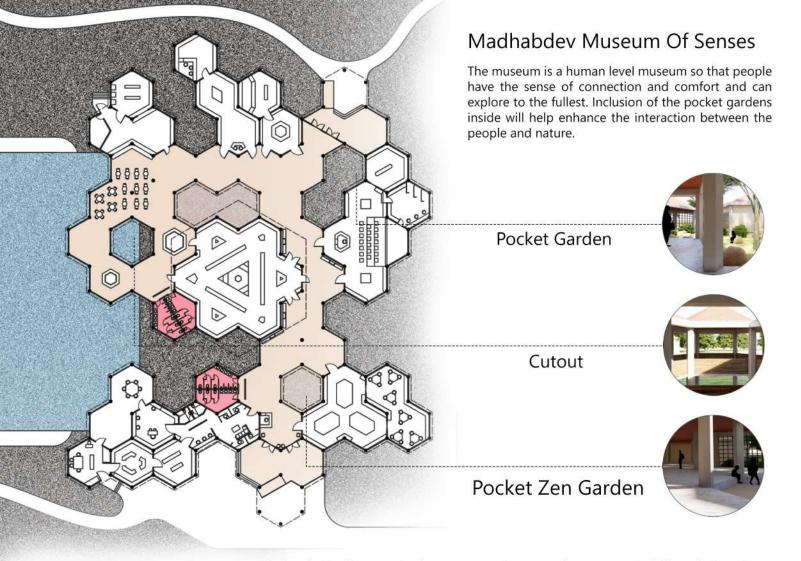
3D render of Artists' Village

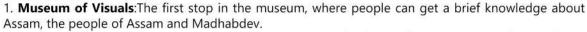


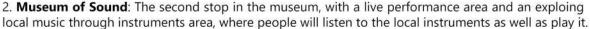
3D render of Kirtan Ghar



P-1.18/ Madhurjya Medhi

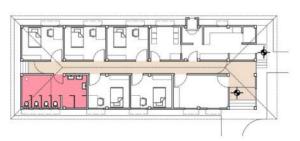






- 3. **Museum of Smell**: The third stopin the museum, housing different unique fragrances of Assam in the form of perfume, incense sticks etc. which will be sellable.
- 4. **Museum of Touch**: The forth stop in the museum, where people can touch things and experience them. Different varieties of fabrics, crafted things will be kept which will be sellable.
- 5. **Museum of Taste**: The last stop in the museum, where people will get to experience authentic Assamese cuisine.



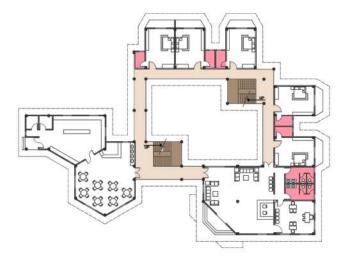


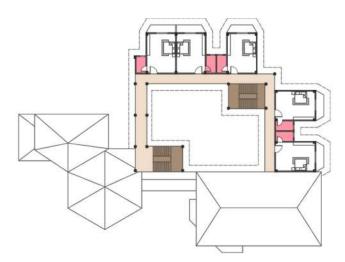
Bhakat Griha

The Bhakat Griha is for the devotees and disciples of Sankardev and Madhabdev.

This area is kept isolated from the visit of outsiders. It is kept as a private area for the Bhakats only adjacent to the Kirtan Ghar.







P-1.2/ Madhurjya Medhi

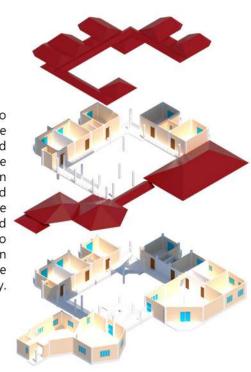
Badla Padma Aata Satra Kirtan Ghar

This is a safe place for everyone as through these 'kirtan ghar's Sankardev and Madhabdev used preach the "Ek Saran Naam Dharma" movement. The main aim of that was to provide a shelter for everyone irrespective of their religion, social place etc. This is a redesign of the previous Kirtan Ghar of Badla Padma Aata, disciple of Madhabdev.



Guest House

The guest house is designed to acheive an organic design. The interaction between the built and nature is kept in mind while designing this guest house. An interior open court is provided which is visualy conected with the outer spaces. Rooms are arranged in a way so that while walking upto their rooms, people go through an open corridor enjoying the ambience the surroundings portray.



Artists' Village

The Artists' Village is the representation of the traditional Assamese villages. Houses are arranged creating a open space in the middle as an interaction space, a place for children to play.

The live exhibiton hall will be a place where the artists will be working and the visitors can visit, have a look at their works and that way the artists can reach a market for the local, traditional goods.







THANK YOU.....

