

**SHREYA
DADHANIA**



**ARCHITECTURAL
PORTFOLIO**

Curriculum Vitae ..

Objective :

Architecture is not only about designing a build form or structure , its also about how to design surrounding space & proper management for execution of work. Also to experience working environment of an architecture firm and to gain overall development and gain as much amount of knowledge in this given 1 year.

Education :

2013'-14 : Class 10th , Ryan International School(C.B.S.E),Surat , India
2014'-16 : Class 12th , Ryan International School(G.S.E.B), Surat , India
2016'-21 : Vidyamandir College Of Architecture For Women, Surat , India
2023'-25 : Illinois Institute Of Technology, Chicago, USA

Qualifications :

B.Arch (2016-21) - GPA (3.75)
M.Arch (2023-24) - GPA (3.6)

Relevant Experience :

Case study 1: Documenting temple and street of jaisalmer fort,Rajasthan
Case study 2: Documenting housing typology of tamil residence,pondicherry
Case study 3: Documenting tebtian style architectural office and temple ,norbulinka,dharmshala

ANCILLARY:

Participated in Industrial trophy-2018 (NASA)
Selected for panel discussion-2018 (NASA)
Attended C.S.E.B block workshop auroville
NOMAS Association member & AIA student membership

**Shreya
Dadhania**

23.04.1998

**Student of
Master in architecture (M.arch)**

 LOCATION : Chicago, IL

 EMAIL : shreyadadhania23@gmail.com

 PHONE : +1 630 999 0261

Languages :

English
Hindi
Gujarati

Profile :

Architecture is about a practical study of many aspects and it can never be studied in four walls. I would like to broaden up my vision and explore various areas of creativity.

Design Understanding
Concept Leadership
Exposure Team work

Skills :

Manual

 Model Making
 Sketching
 Drafting

Technicale

 Autocad
 Google sketchup
 Adobe photoshop
 MS Word
 Lumion
 Rhinoceros
 Ms Excel
 Autodesk revit

Interests :

 Traveling
 Books
 Music
 Photography
 Sports
 Dance

Attended Workshops :

Wall painting
Rhino and grasshopper workshop
Vernacular workshop
Wall clock
Pop workshop

Contents ...

Design Statement ..

Architecture is about creating a journey from the beginning to the end of a building, a journey which would stay with people and make an impact on their minds. Architecture creates an illusion. Perception of place is important, it embeds within occupant's mindset and influences an occupant's learned history or experience of that space. An illusion creates an element of surprise and inquisitiveness in the journey of a layman. This illusion differs from person to person, after all architecture is about perceptions. A space perceived by a layman is different from an architect's perspective. Architecture is about generating spaces which remain true to its form, context and most importantly to its people. A space which would invite people over and over again to maintain its timelessness. Architects have created spaces which have lost its timelessness, people visit these spaces once, but lose interest in visiting these places again and again. These have given rise to negative spaces in the urban fabric. Architecture is about creating spaces which have a scale relative to a layman and the scale gradually increases as per the transition of a space. The best example of low cost housing should be seen from the works of Lauri Baker.

"I have my own Principles, which I am unwilling to abandon. I dislike falsehood and deceit. A building should be truthful."

- Lauri Baker



Undergraduate

1. Anthropometric Design
2. Housing Design Studio
3. Residential Design
4. Working Drawing
5. Thesis

Masters

6. Hybrid-Mix

Trophies & Documentation

Documentation of Jaisalmer, Pondicherry and Dharmshala
Industrial trophy competition (N.A.S.A)
Panel discussion
Annual NASA Design Competition

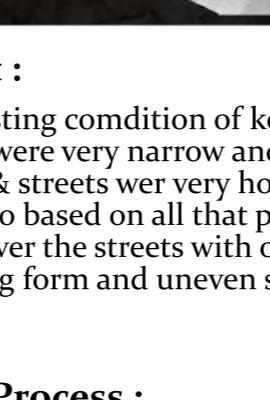
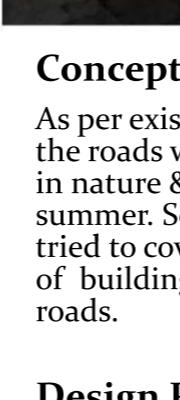
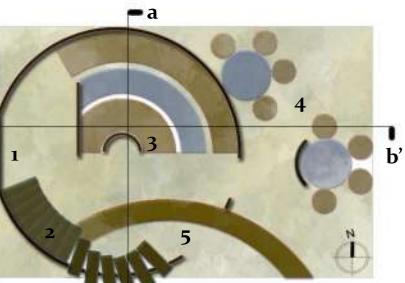
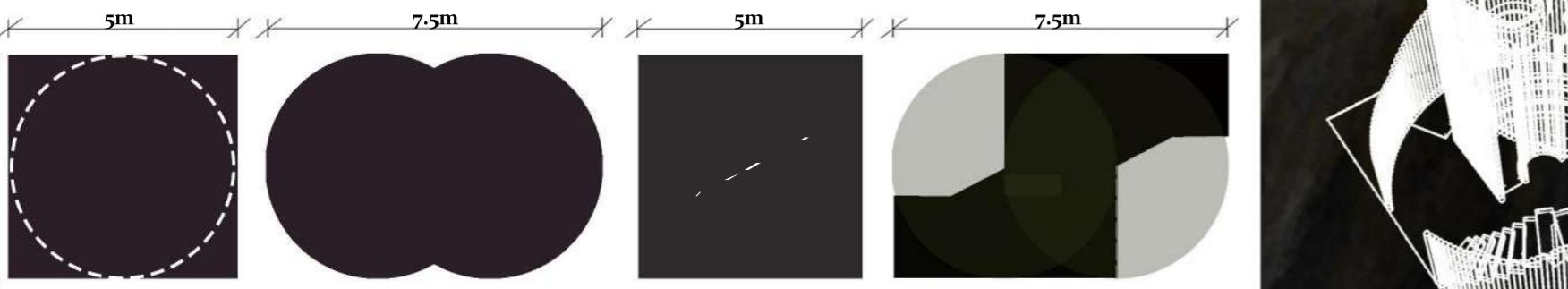
Skills

Basic Design
Model Making
Photography
Sketches

Cafe Deesign

The main objective of the studio was to experiment with different forms with intersection of two same or different forms. A specified volume of 5x5x7.5 meters was given which could be modified as per our convenience. The site was located in Kevdi village near Vyara next to a river.

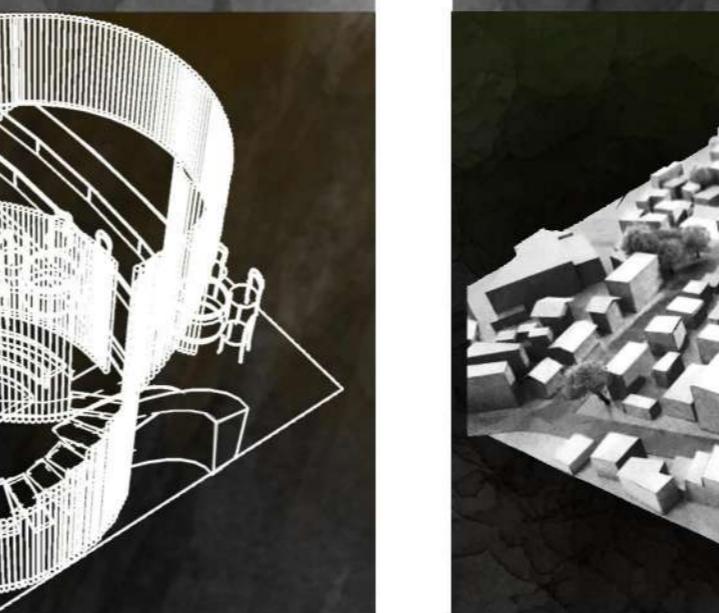
Form & Process:



Legend :

- 1. Entrance
- 2. Stairs
- 3. Indian Seating
- 4. Outdoor Seating
- 5. Serving Bar
- 6. Upper Approach
- 7. Step Seating
- 8. High Chairs

"Tawny Cafe "



Housing

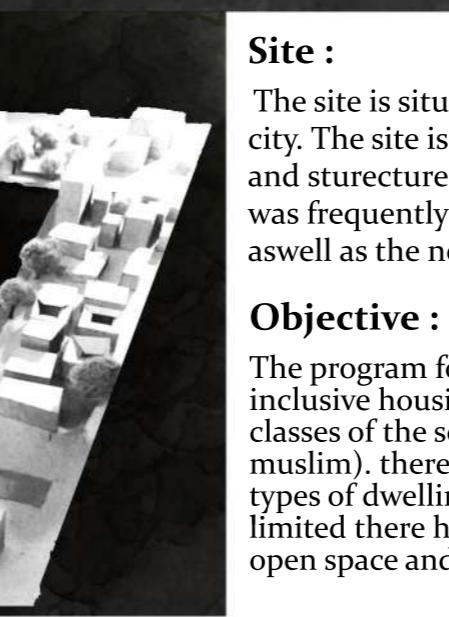
"Asperous - Form denotig equivalence blind alley"

Site :

The site is situated near the market of city. The site is already having some trees and structures. Main context of the site was frequently used mosque and cinema, as well as the near market place.

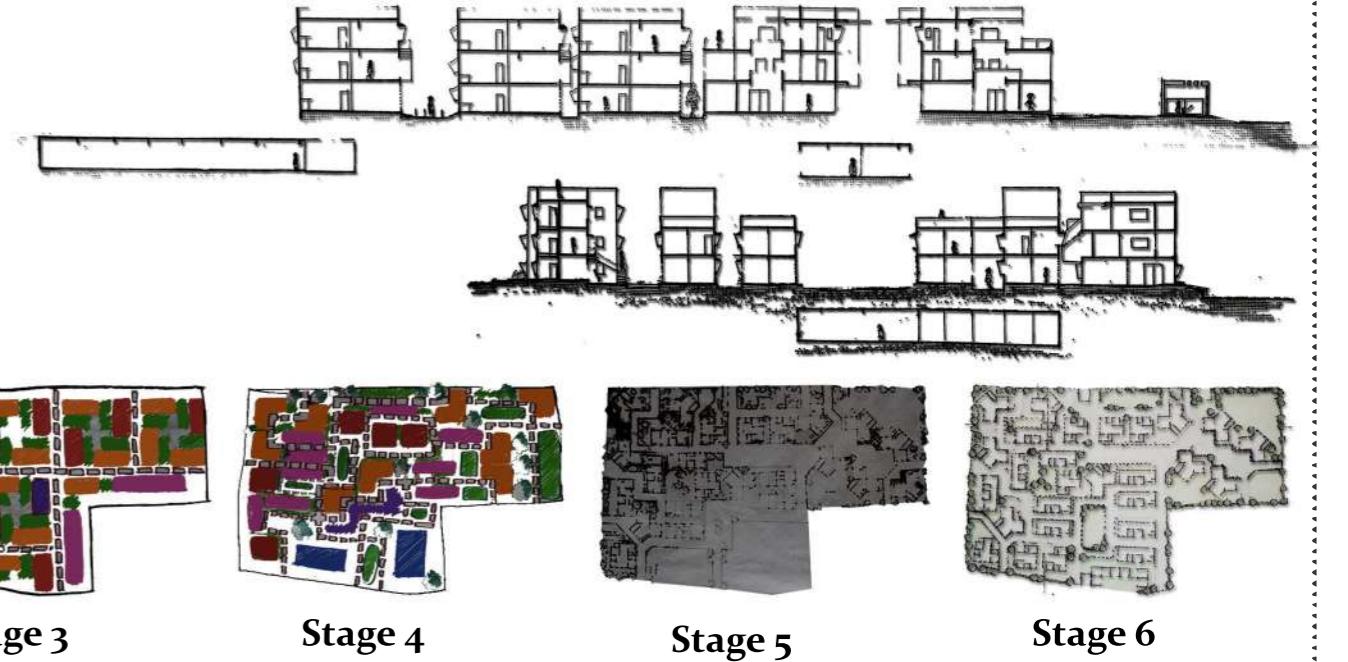
Objective :

The program focuses on designing an inclusive housing community for all the classes of the society (mainly hindu and muslim). There were to be designed three types of dwellings. Hence the area was limited there had to be balance between open space and built space.



Concept :

Design Process :



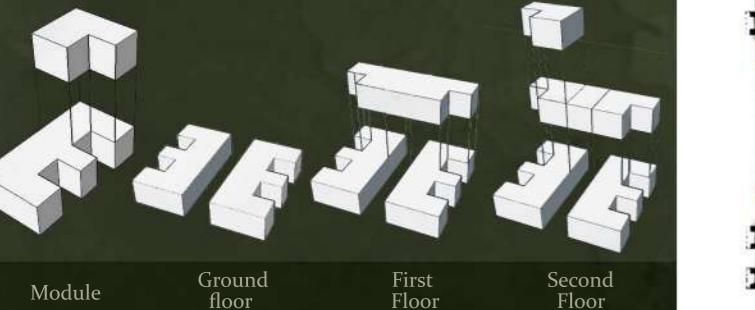
Unit 1 :



Module Ground floor First Floor Second Floor



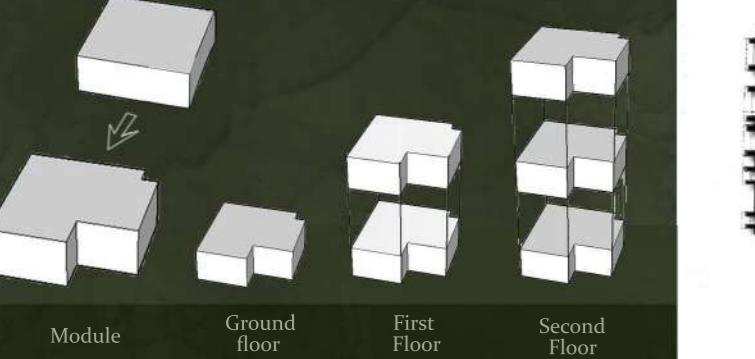
Unit 2 :



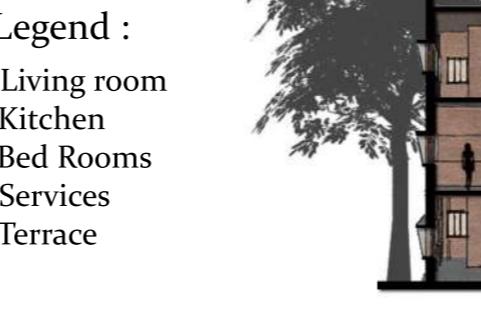
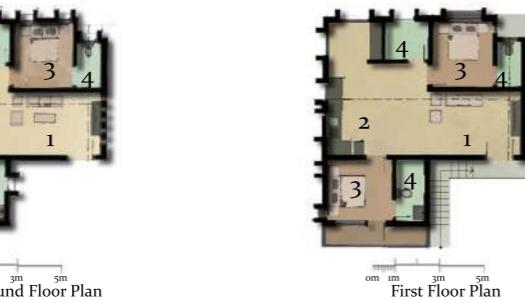
Module Ground floor First Floor Second Floor



Unit 3 :



Module Ground floor First Floor Second Floor



Legend :

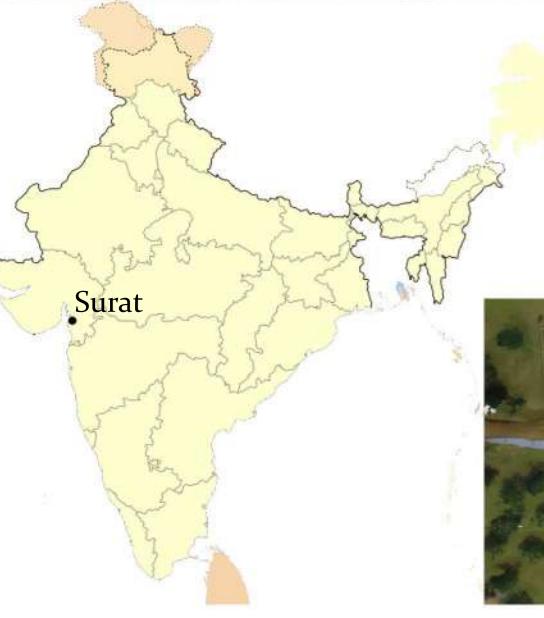
1. Living room
2. Kitchen
3. Bed Rooms
4. Services
5. Terrace



Housing

"Asperous - Form denotig equivalence blind alley "

Residence



"Reconing - The house of sight"

Site :

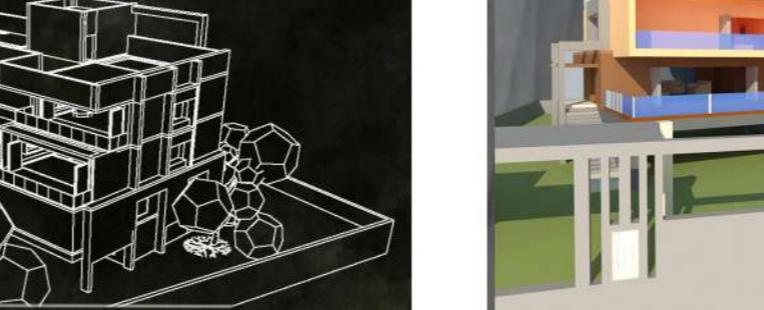
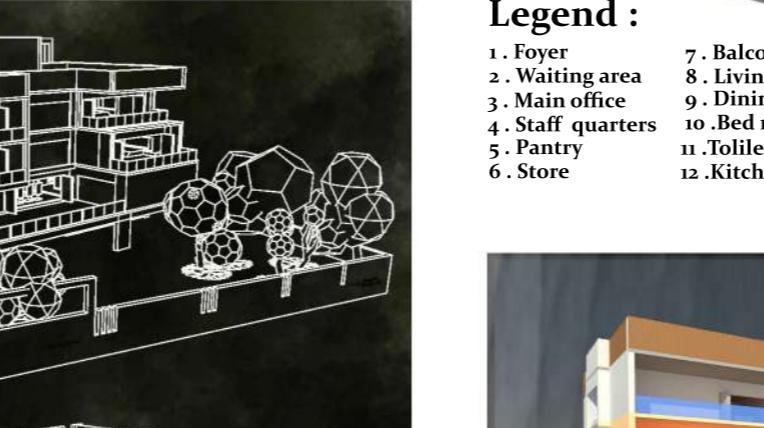
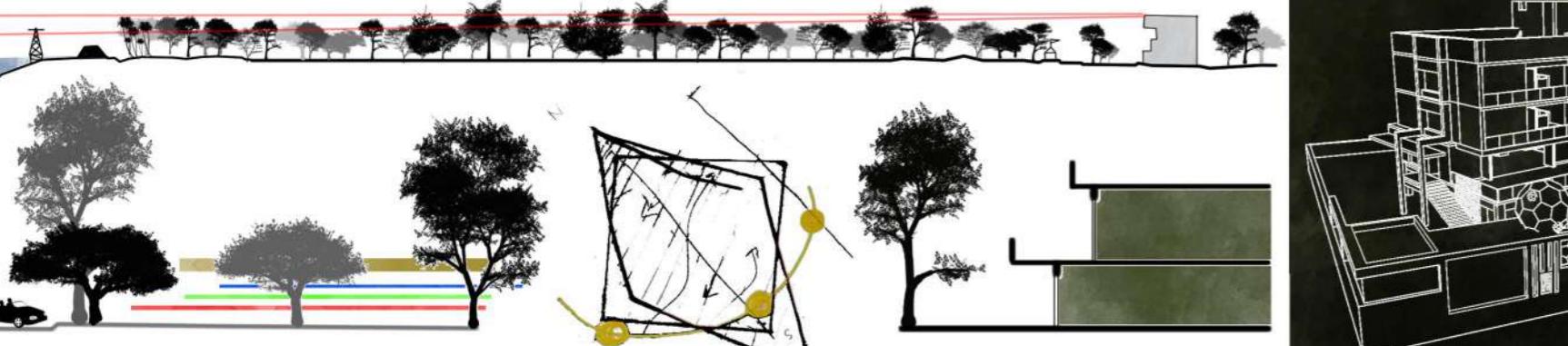
This site is surrounded with lush green trees and facing the large alluring sea. It has acacia and eucalyptus trees with sufficient level of height. Therefore sea and trees become the strong context for derivation of design

Objective :

The client was a well known architect & professor with simple and strict behaviour. He has a nuclear family and is a married. His both children were also architect and wife was meditator. though the client was strict ,he was nature lover also. Keeping all these criterias the entire project was formulated.

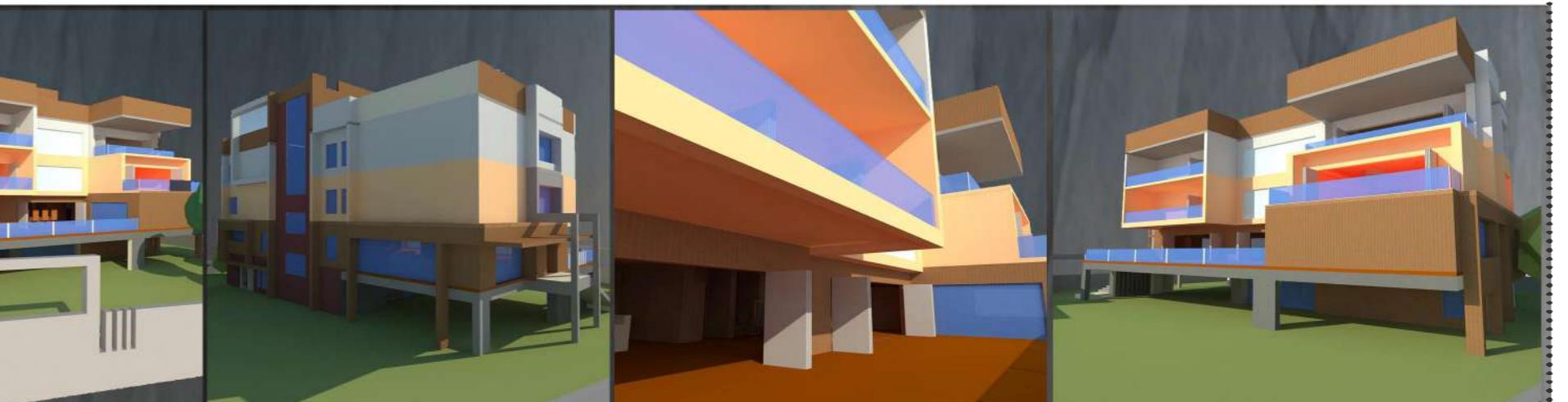
Concept :

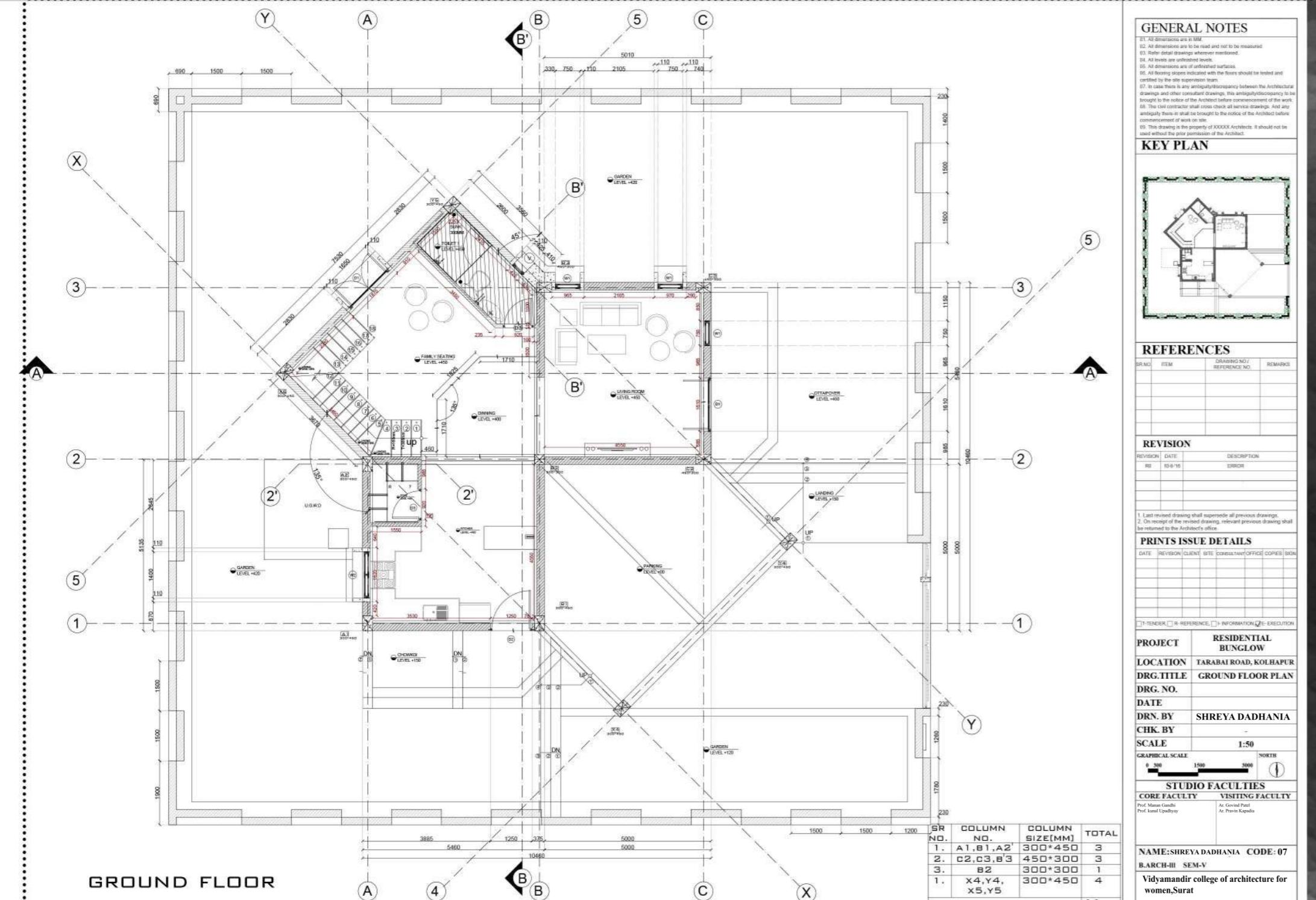
The main idea was to focus at macro and micro level of site & sight. To connect the office building and residence and at the same time to maintain the privacy of each space. Also to bring optimum amount of sunlight and wind breeze inside the house through voids.



Case Study :

Koba House	Site Response	Orientation & climate	Form	Feature	Quality of Space	Material





GENERAL NOTES

1. All dimensions are in MM.
2. All dimensions are to be read and not to be measured.
3. Refer detail drawings wherever mentioned.
4. All levels are unfinished levels.
5. All dimensions are in unfinished surfaces.
6. All dimensions are of unshaded surfaces.
7. All floors slopes indicated with the floors should be tested and certified by the site supervision team.
8. In case there is any discrepancy/inconsistency between the Architectural drawings and other consultant drawings, the Architectural drawings shall prevail.
9. The civil contractor shall cross check all service drawings. And any ambiguity, if any, shall be brought to the notice of the Architect before commencement of the work.
10. The civil contractor shall cross check all service drawings. And any ambiguity, if any, shall be brought to the notice of the Architect before commencement of the work.
11. This drawing is the property of XXXXX Architects. It should not be used without the prior permission of the Architect.
12. This drawing is the property of XXXXX Architects. It should not be used without the prior permission of the Architect.

KEY PLAN

REFERENCES

SR.NO.	ITEM	DRAWING NO./REFERENCE NO.	REMARKS
1			

REVISION

REVISION	DATE	DESCRIPTION
RD	10-8-16	ERROR

PRINTS ISSUE DETAILS

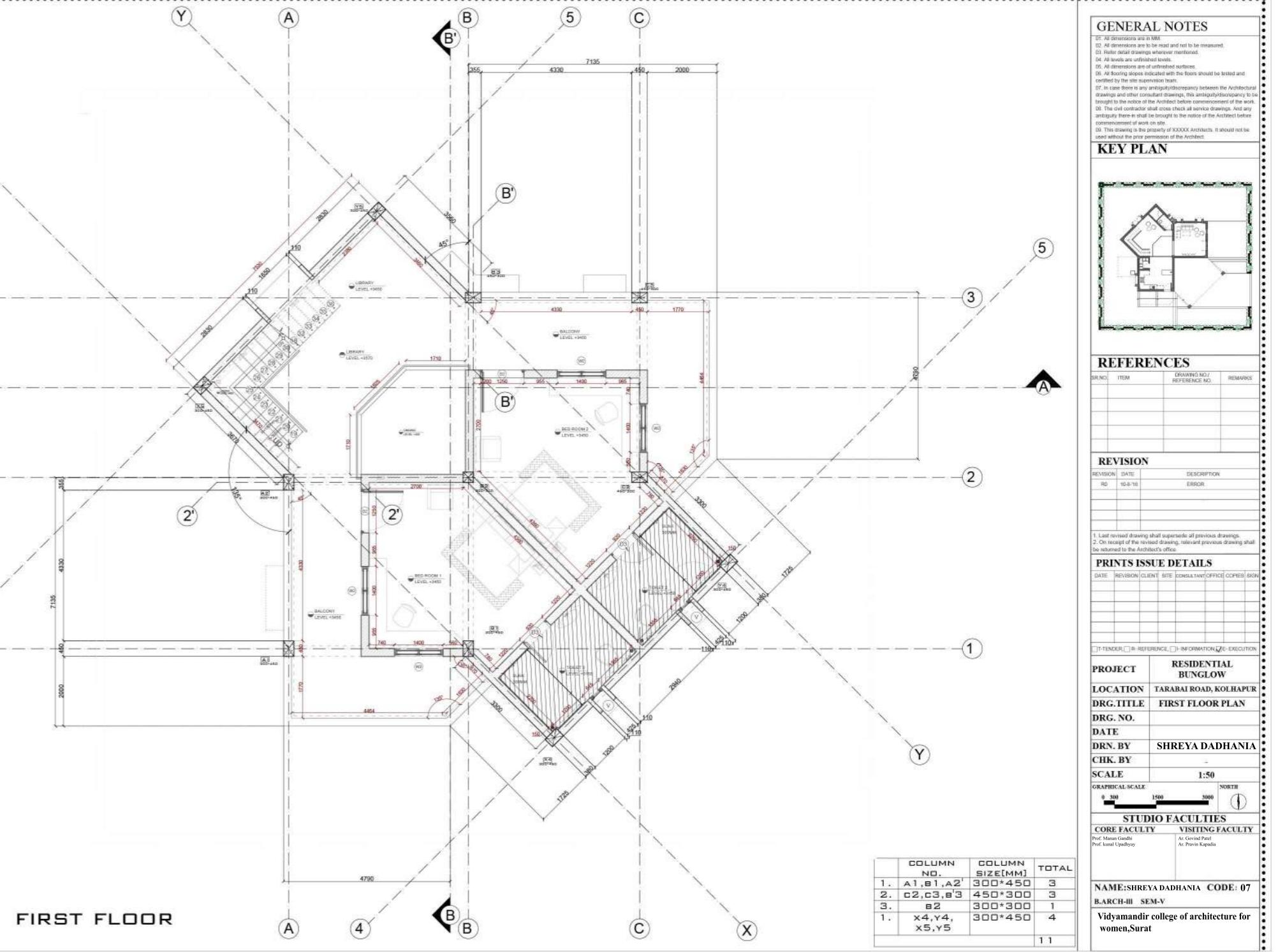
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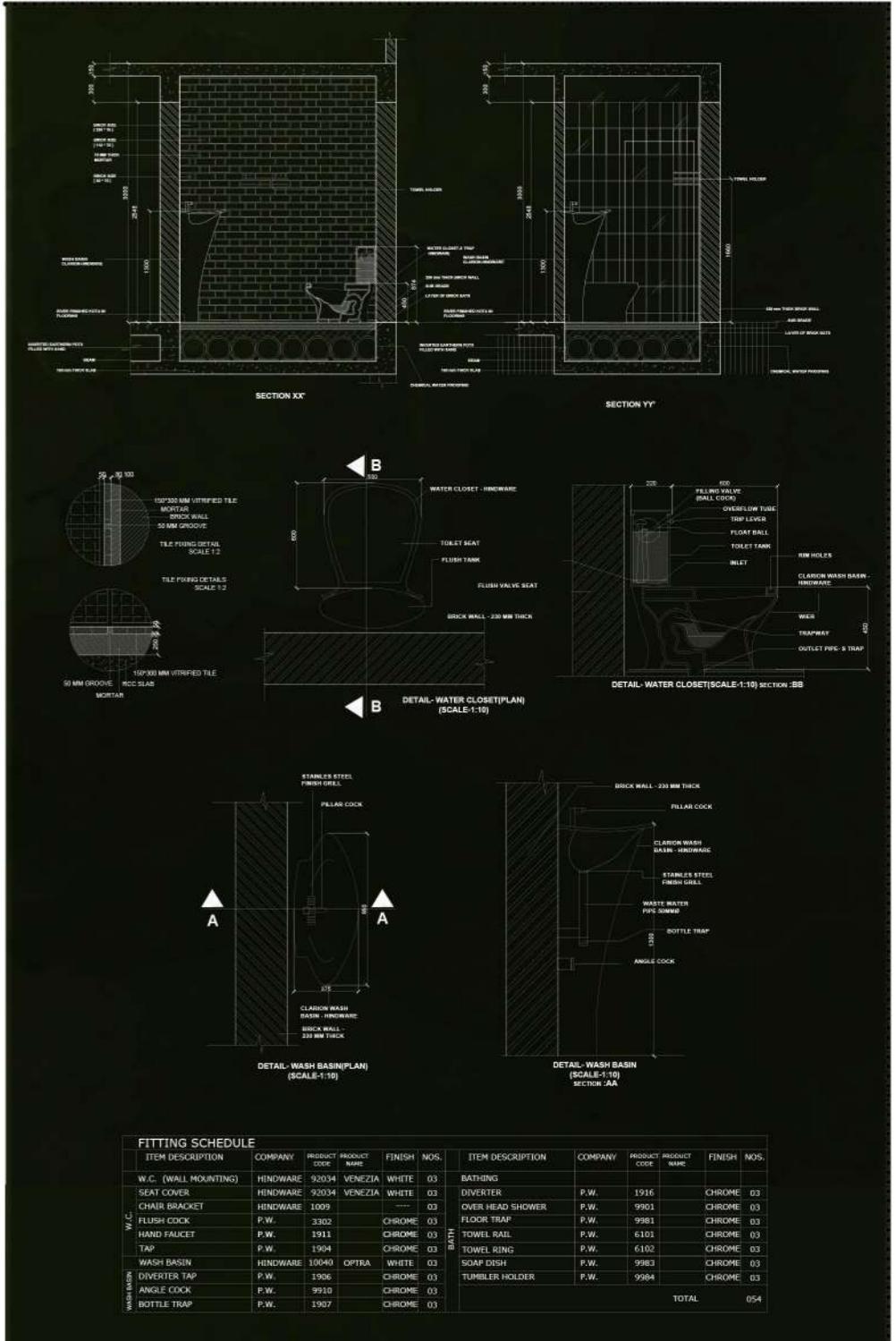
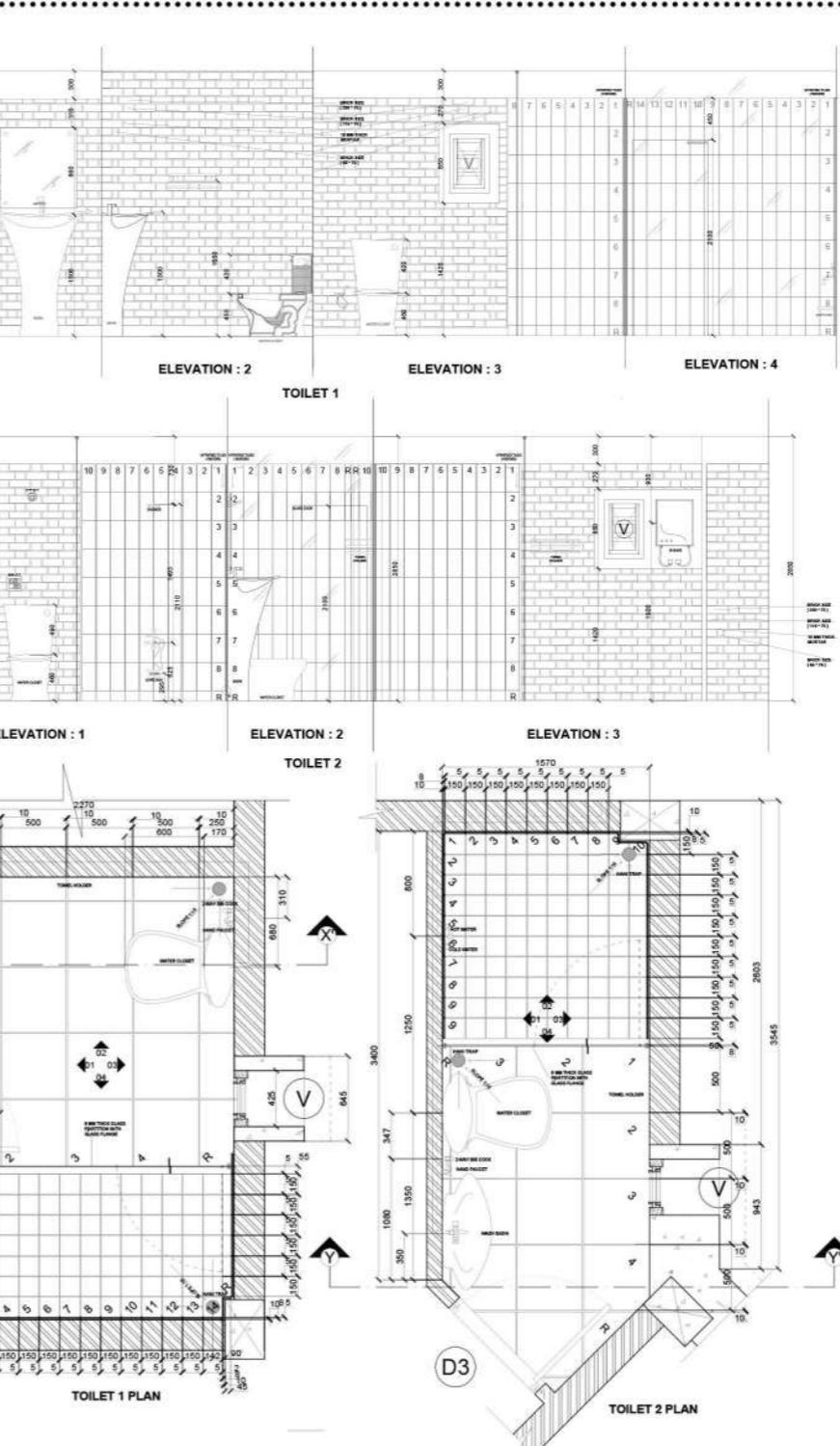
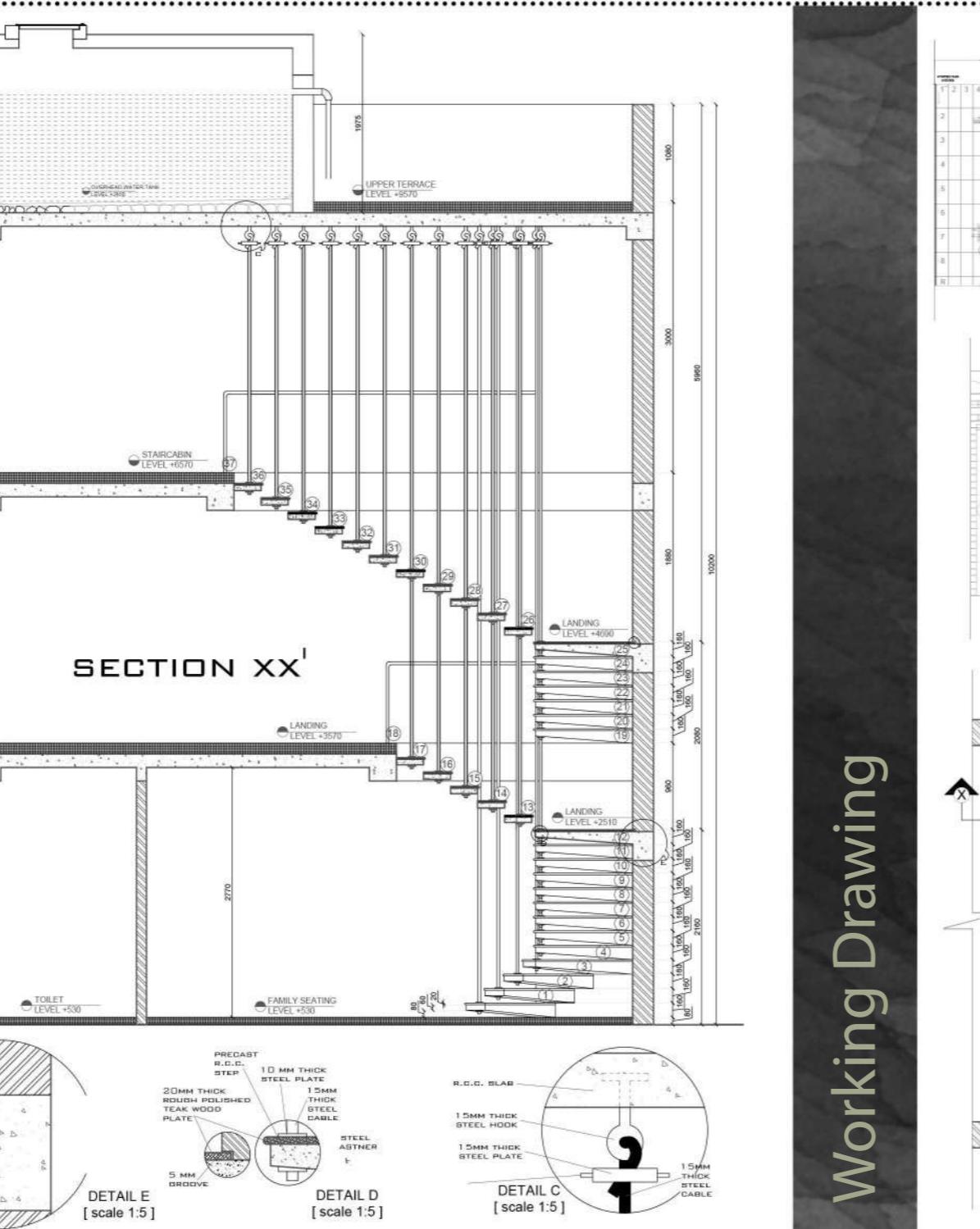
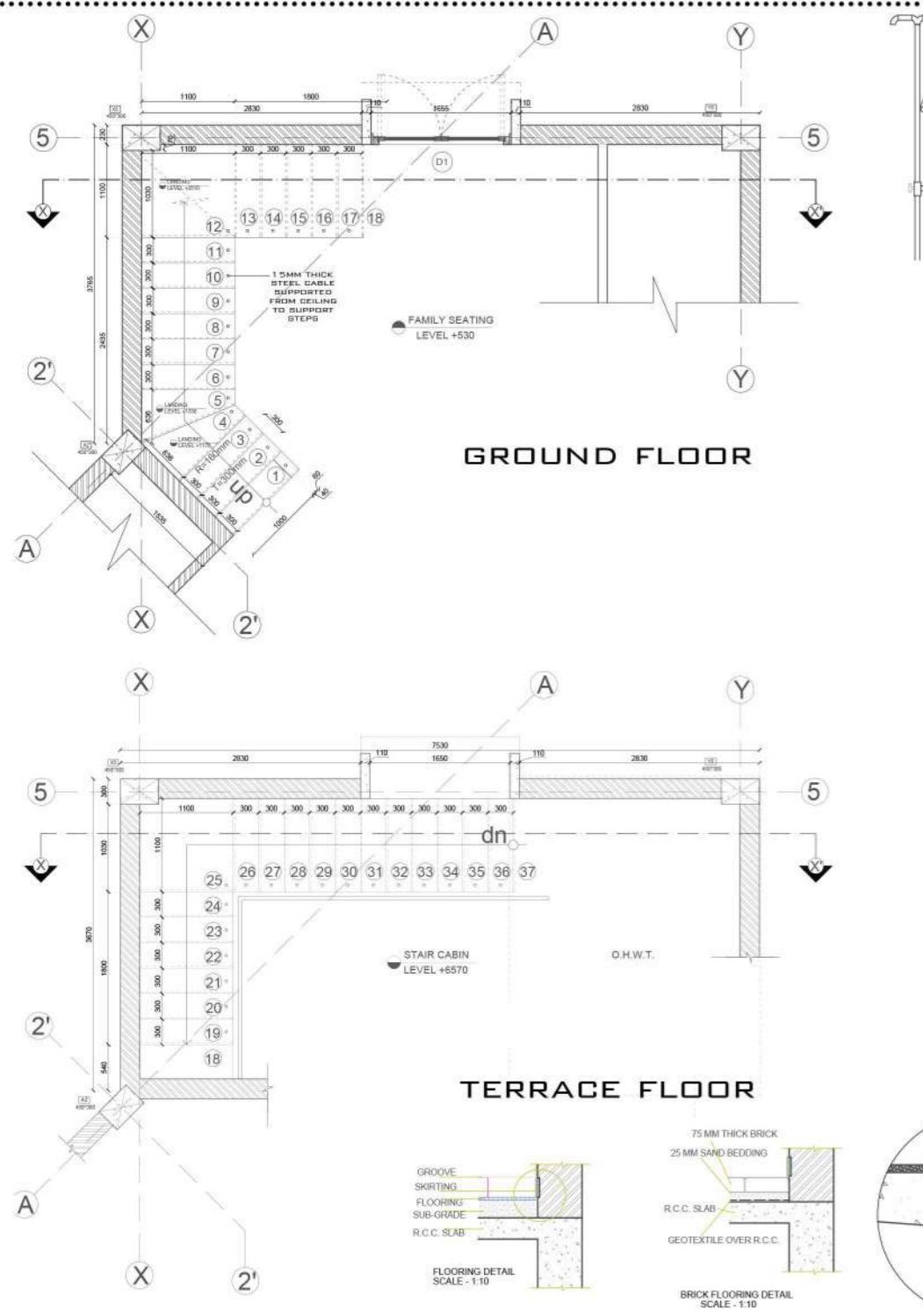
PROJECT RESIDENTIAL BUNGLOW
LOCATION TARABAI ROAD, KOLHAPUR
DRG. TITLE FIRST FLOOR PLAN
DRG. NO.
DATE
DRN. BY SHREYA DADHANIA
CHK. BY
SCALE 1:50
GRAPHICAL SCALE 0 500 1000 1500 2000 2500 3000 NORTH
STUDIO FACULTIES
CORE FACULTY Prof. Manu Gandhi
Prof. Kunal Upadhyay
VISITING FACULTY Ar. Govind Patel
Ar. Pravin Kapadia

NAME: SHREYA DADHANIA **CODE:** 07
B.Arch-III SEM-V
Vidyamandir college of architecture for women,Surat

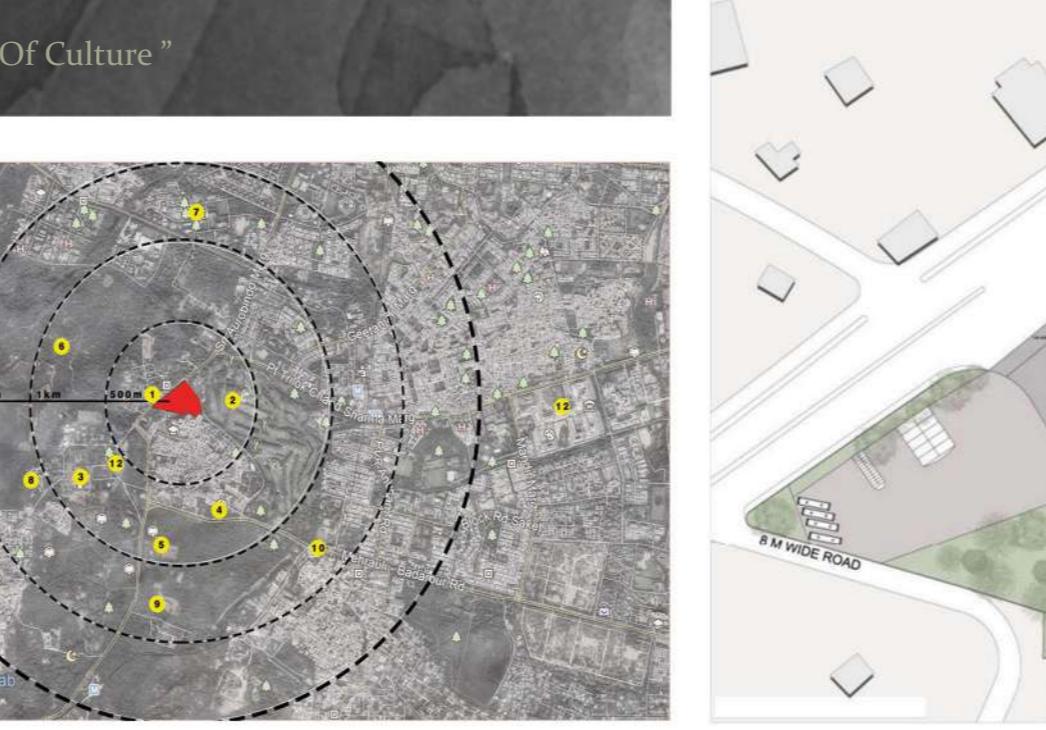
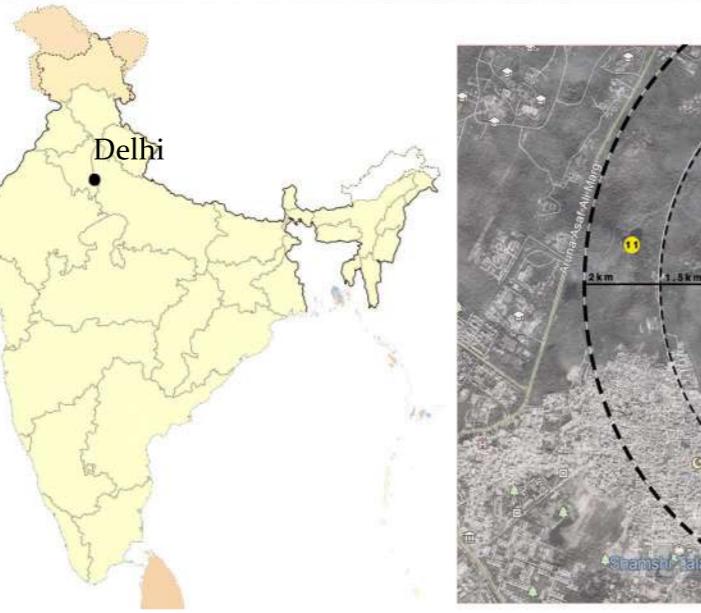
Working Drawing

FIRST FLOOR

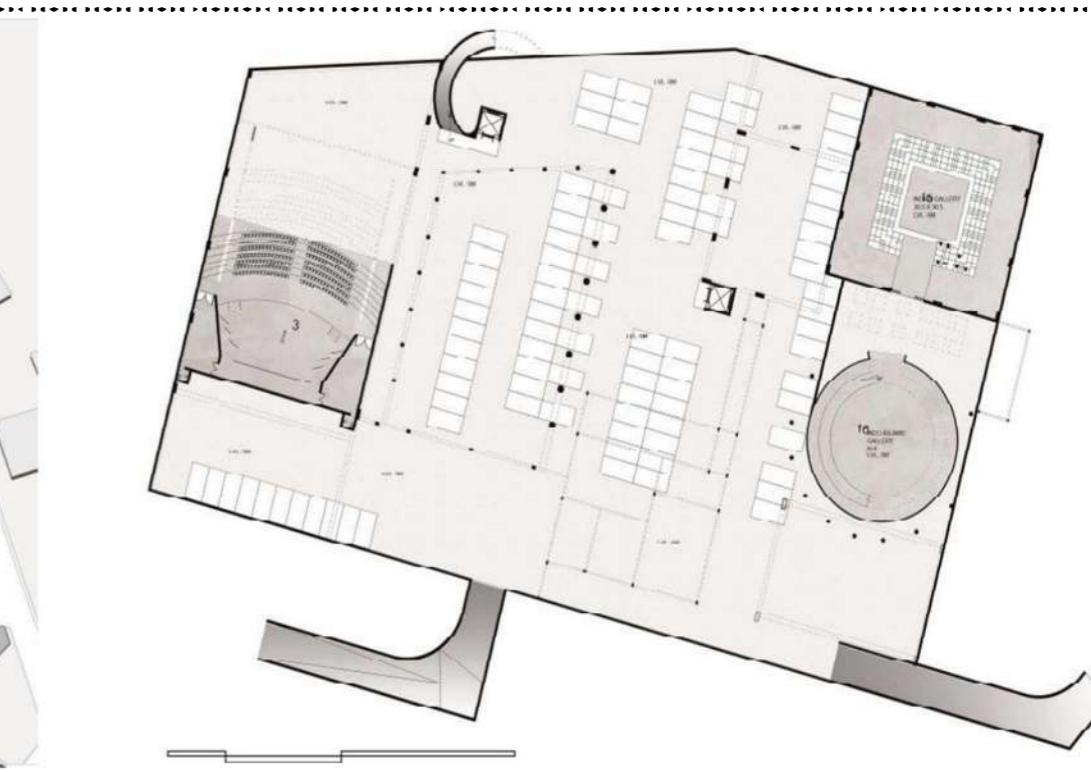
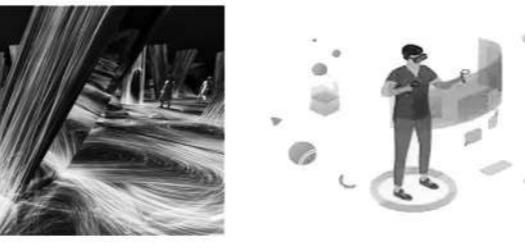
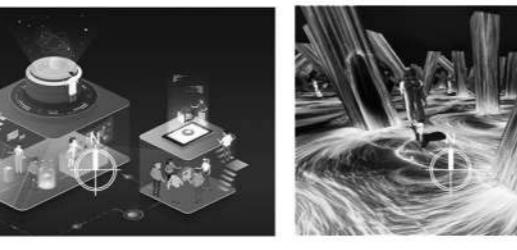
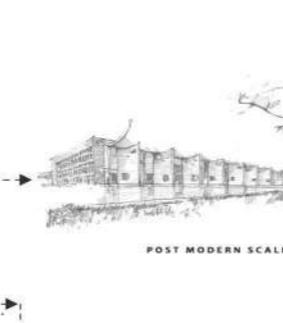
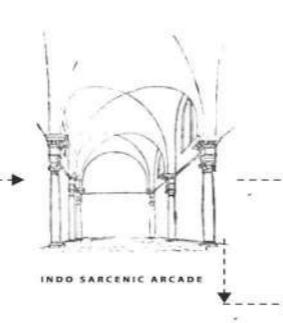
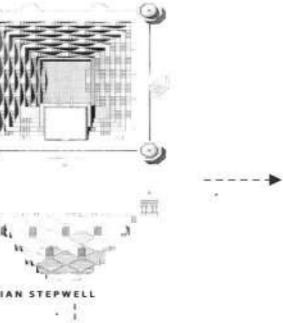




Thesis



Design Concept



VIEW OF INDO-ISLAMIC GALLERY-DIGITAL DISPLAY



VIEW OF INDIAN GALLERY-HOLOGRAM DISPLAY

Site :

Delhi, officially known as the National Capital Territory of Delhi (NCT), is a city and union territory of India containing New Delhi, the capital of India. The city has been continuously inhabited since the 8th century BC.

Objective :

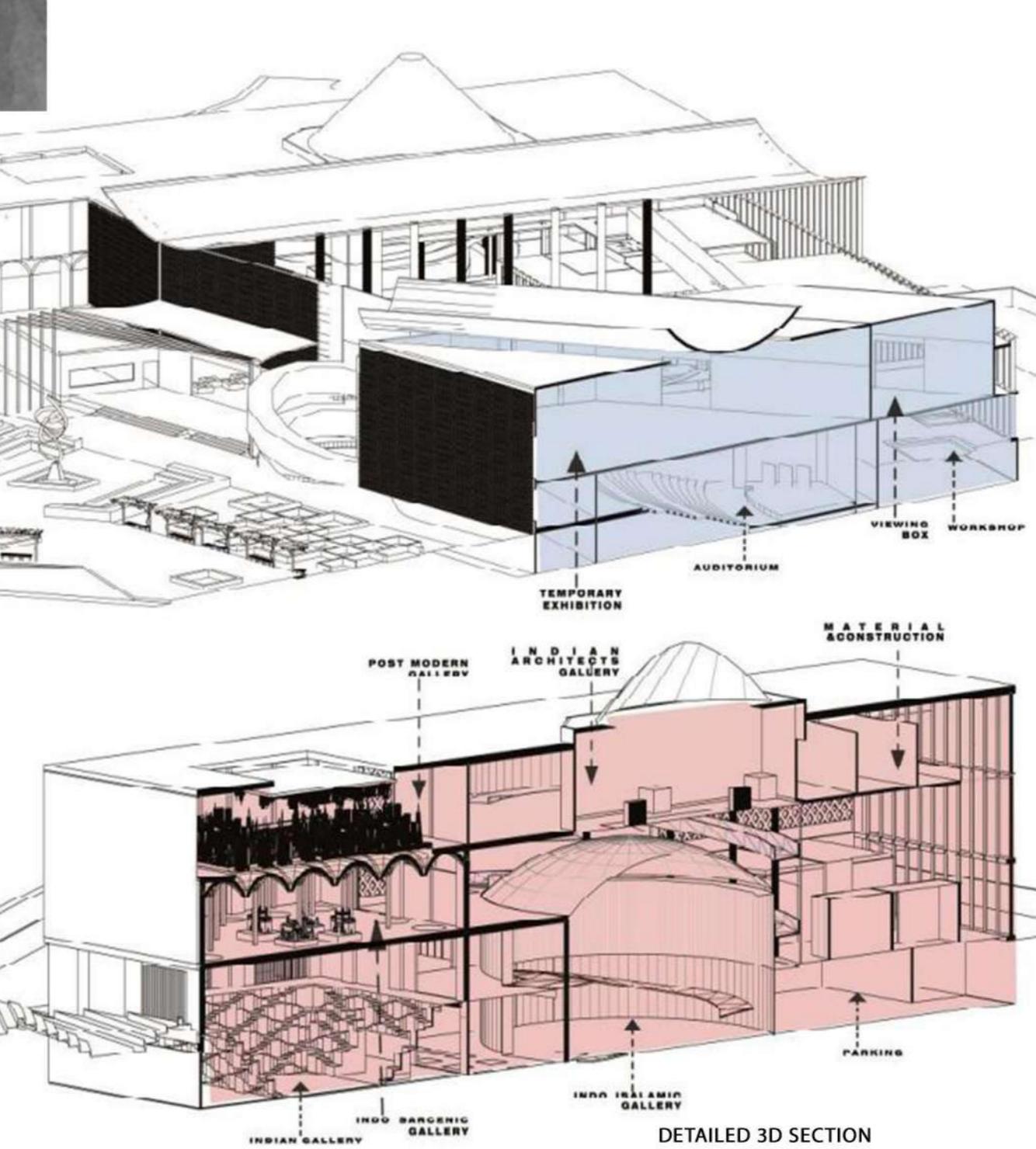
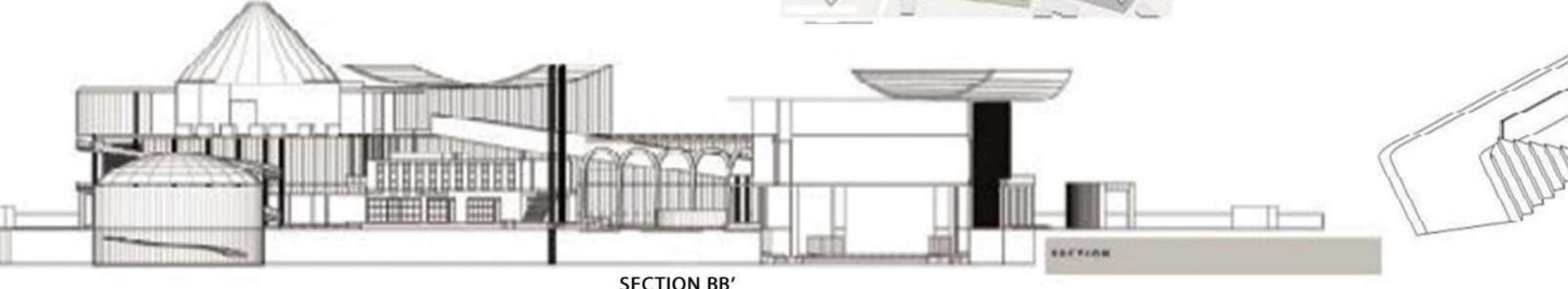
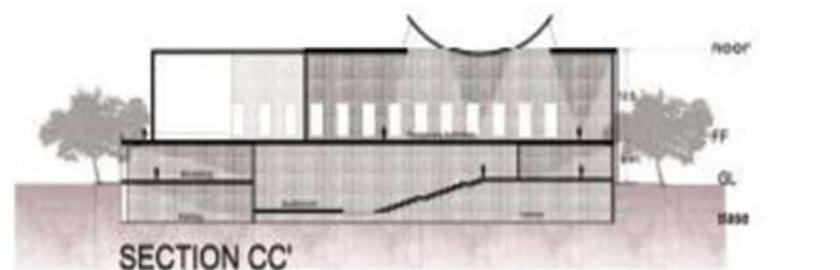
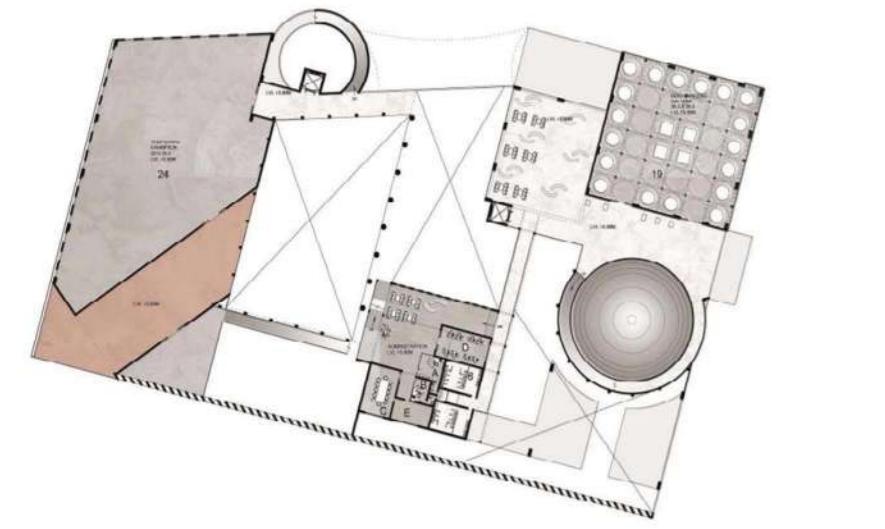
Museum is an institution that tells the story of human kind. Education is one of the most important criteria for development and one of the fundamental objectives of museum education..

Concept :

The aim is regarding from past our educate people Indian Architecture present and its evolution. The purpose of the museum is to showcase for the work of important regional, national and international designers.

Thesis

"Museum Of Culture "



DETAILED 3D SECTION



BIRD EYE VIEW OF MUSEUM

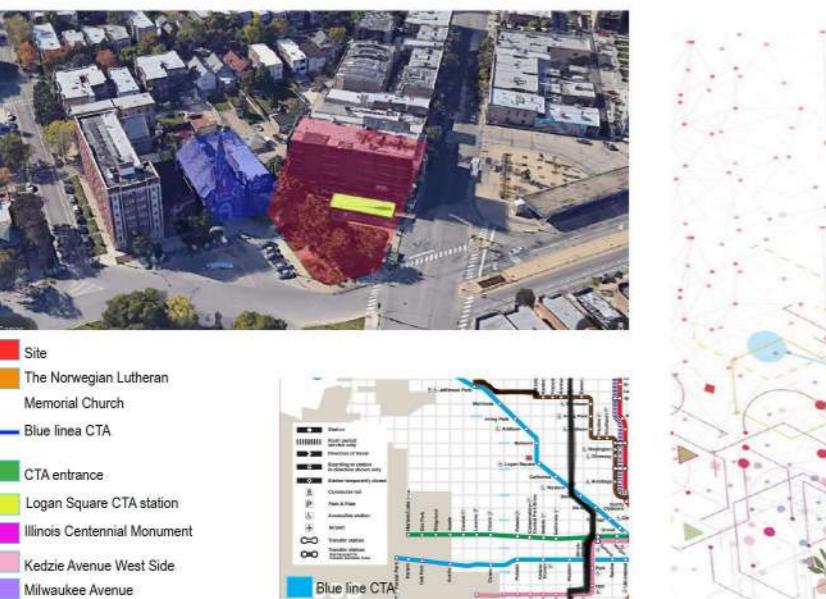


SOUTH WEST VIEW OF MUSEUM

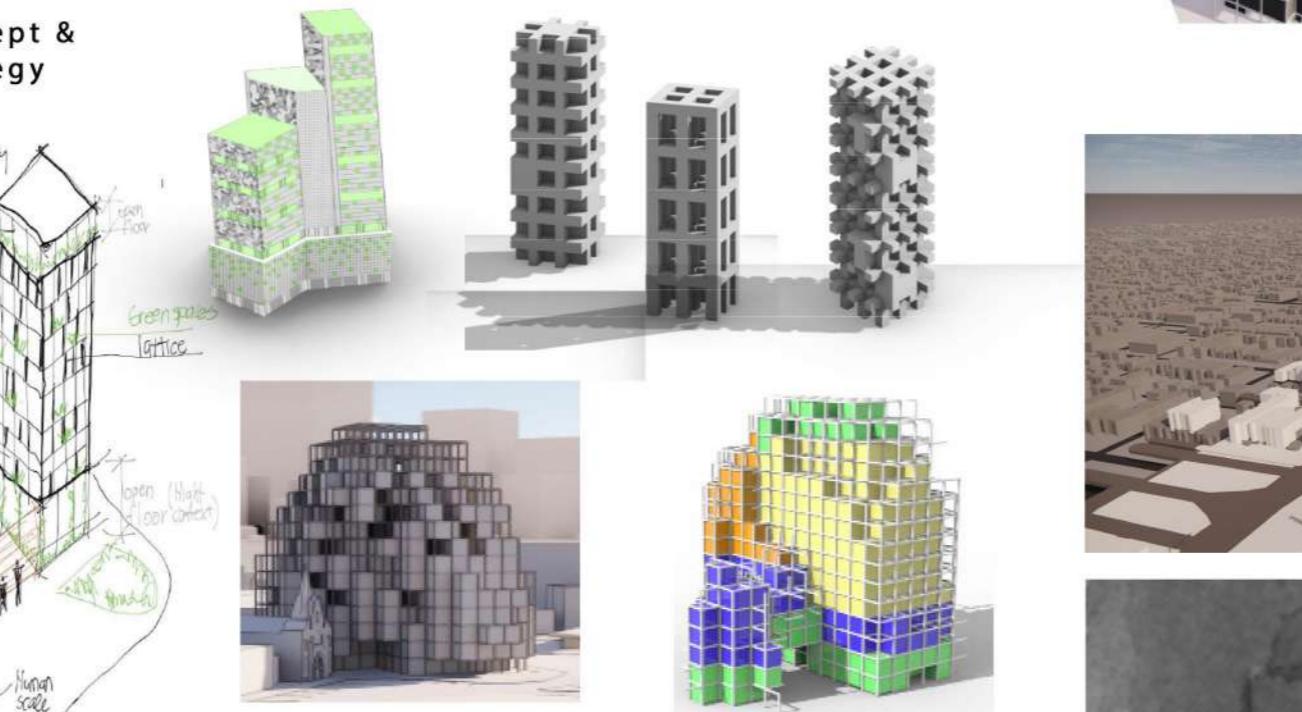


VIEW OF WAITING AREA AND VIEWING BOX

Hybrid - Mixed



Concept & Strategy



Site :

The site is situated near Chicago in Logan Square, bordered by two prominent roads: N Kedzie Ave and N Milwaukee Ave. Adjacent to the site stands a charming church, while across from it lies the picturesque Logan Square garden.

Concept - Connected :

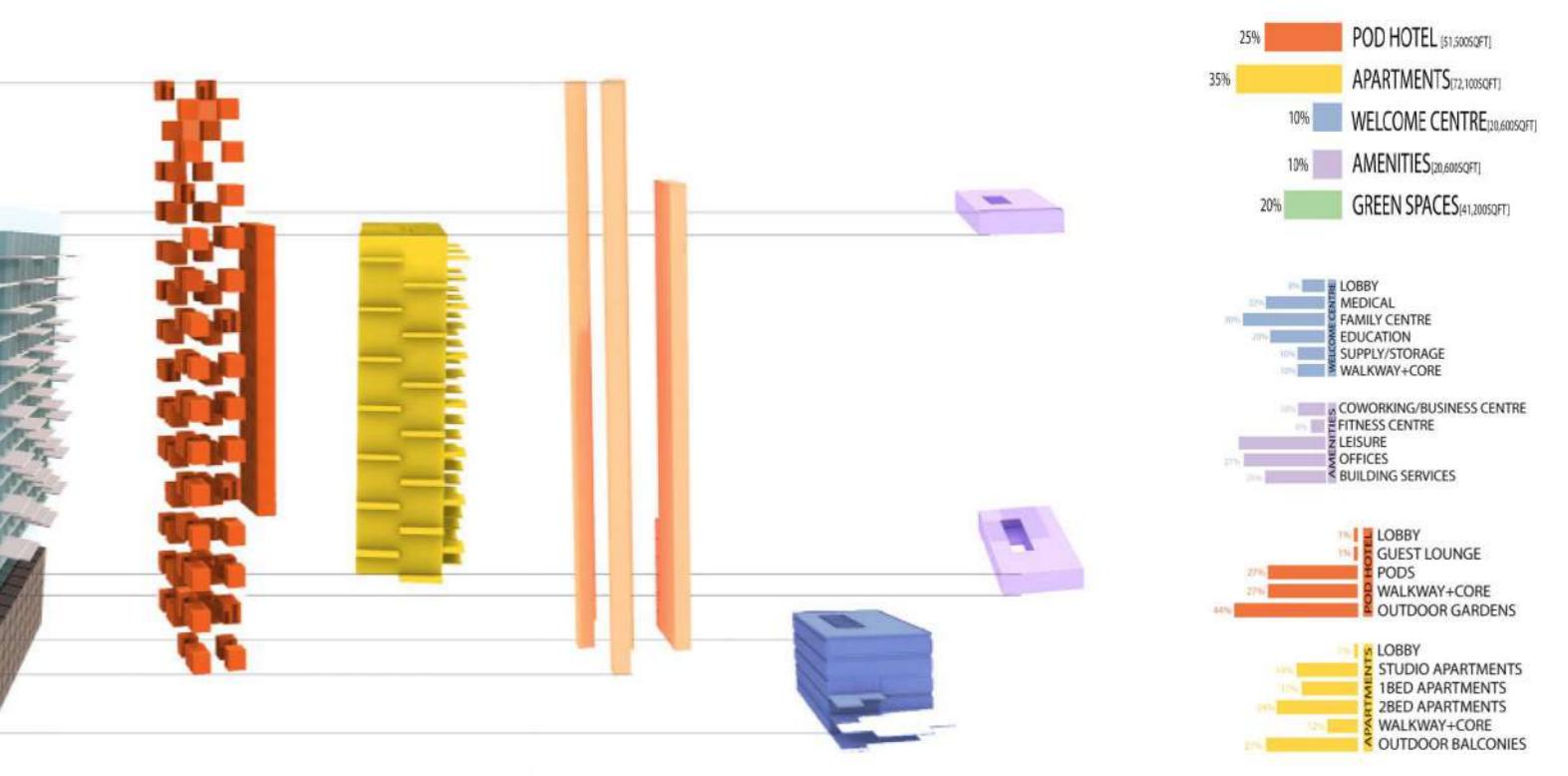
Equality, dignity, transition, bridge.
This project is one in which different programs and different communities are connected. While each function are interconnected by bridging gap between spaces.

Strategy - Porosity :

Vold, penetrate, absorption.
Porosity speaks to voids rather than to bridges, porosity represents the spaces between programs. In this project these voids function as the connection, using what might an empty spaces can used as an meaningful connection.

"The Future Mixed -Income High Rise Housing "

Program



Hybrid - Mixed



DETAILS: POD HOTEL



DETAILS: WALKWAYS / GARDENS



DETAILS: WELCOME CENTER / APARTMENTS



1. Welcome Center
2. Pods

"The Future Mixed -Income High Rise Housing "

ARCHITECTURAL EXPLODED AXO

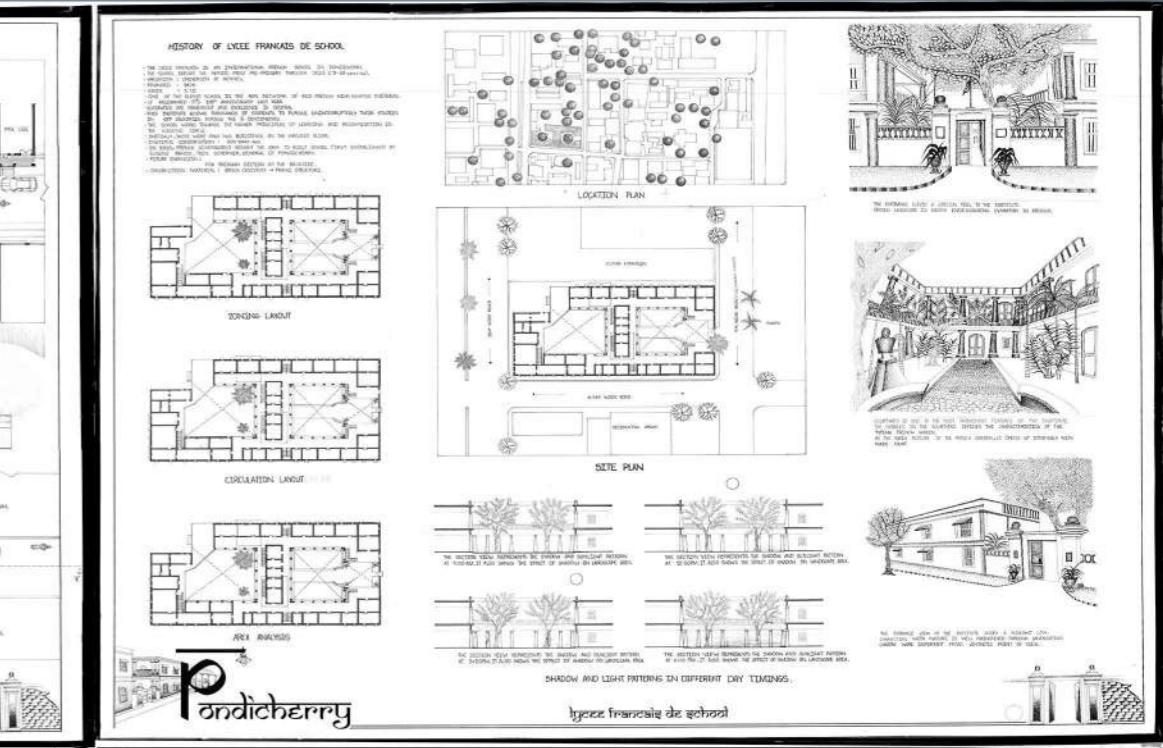
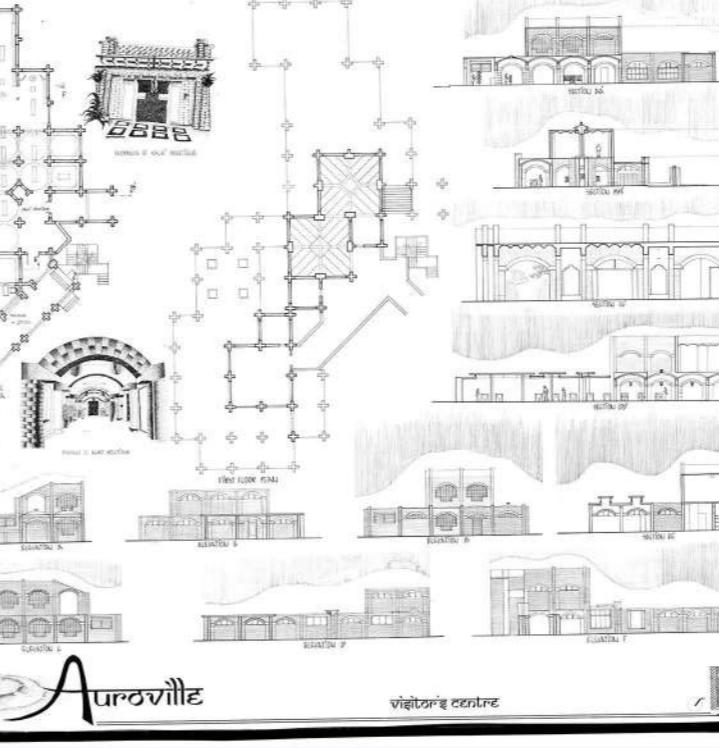
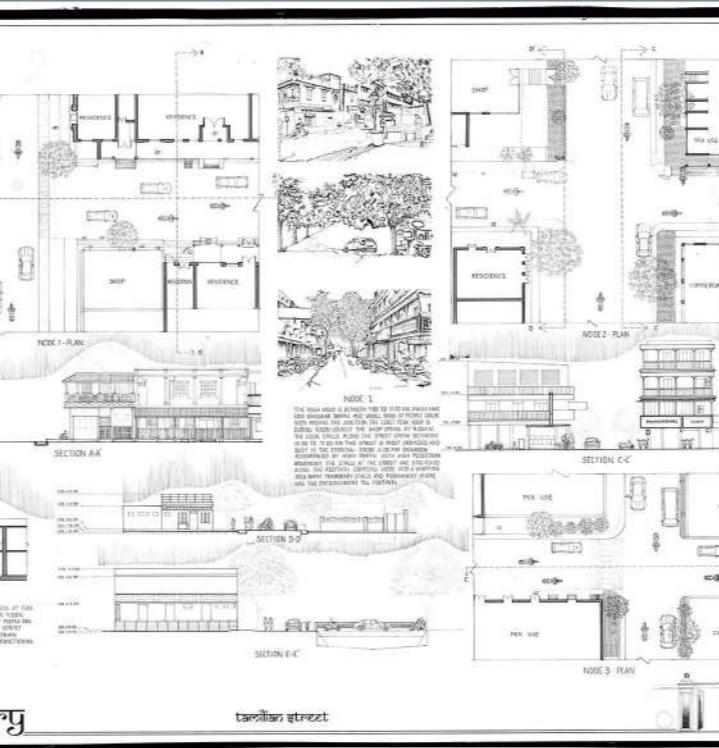
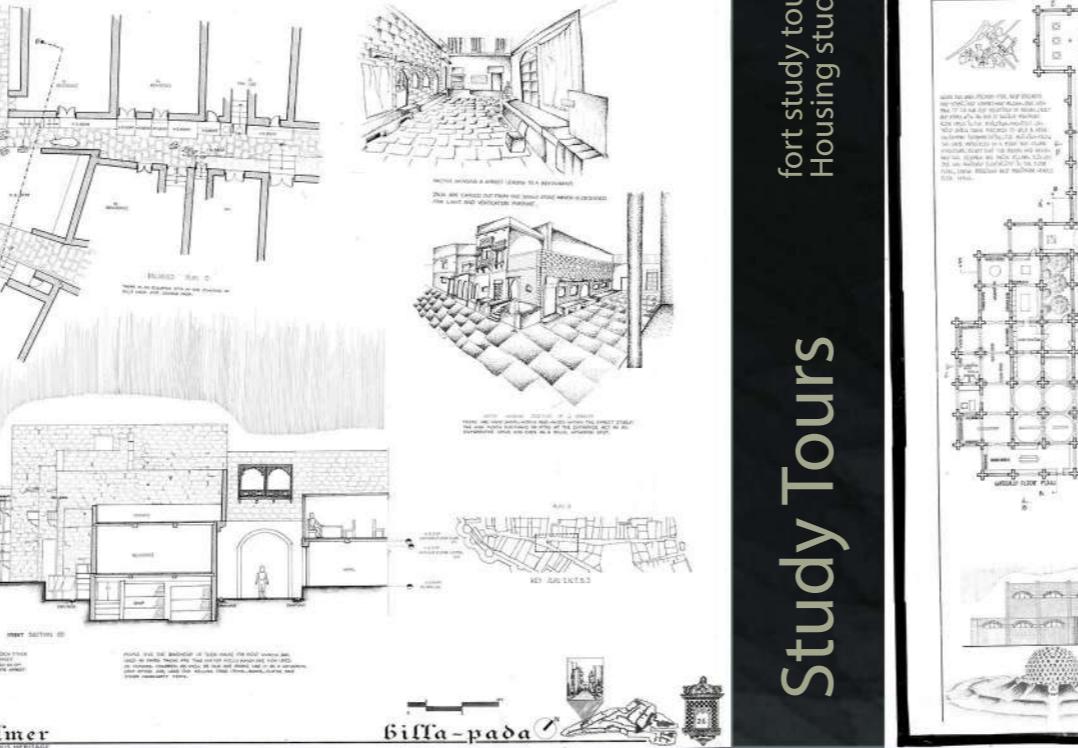
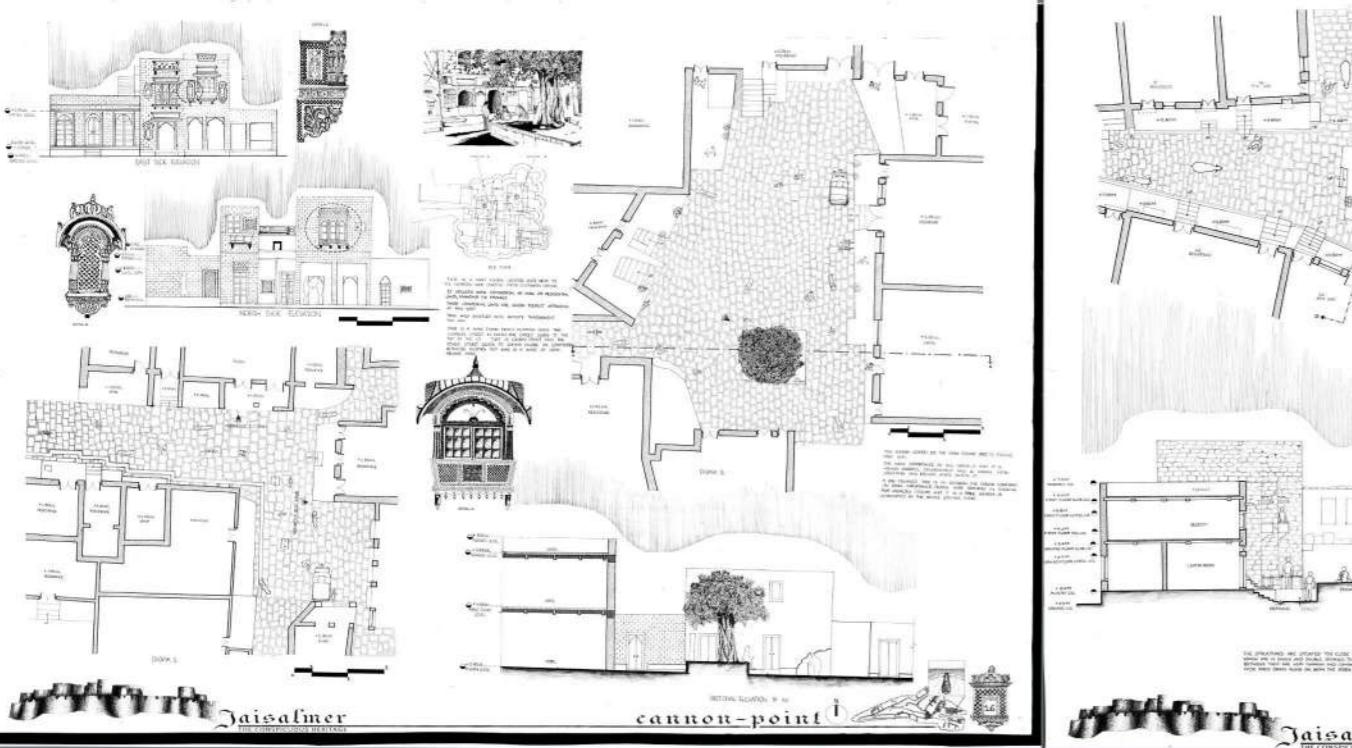
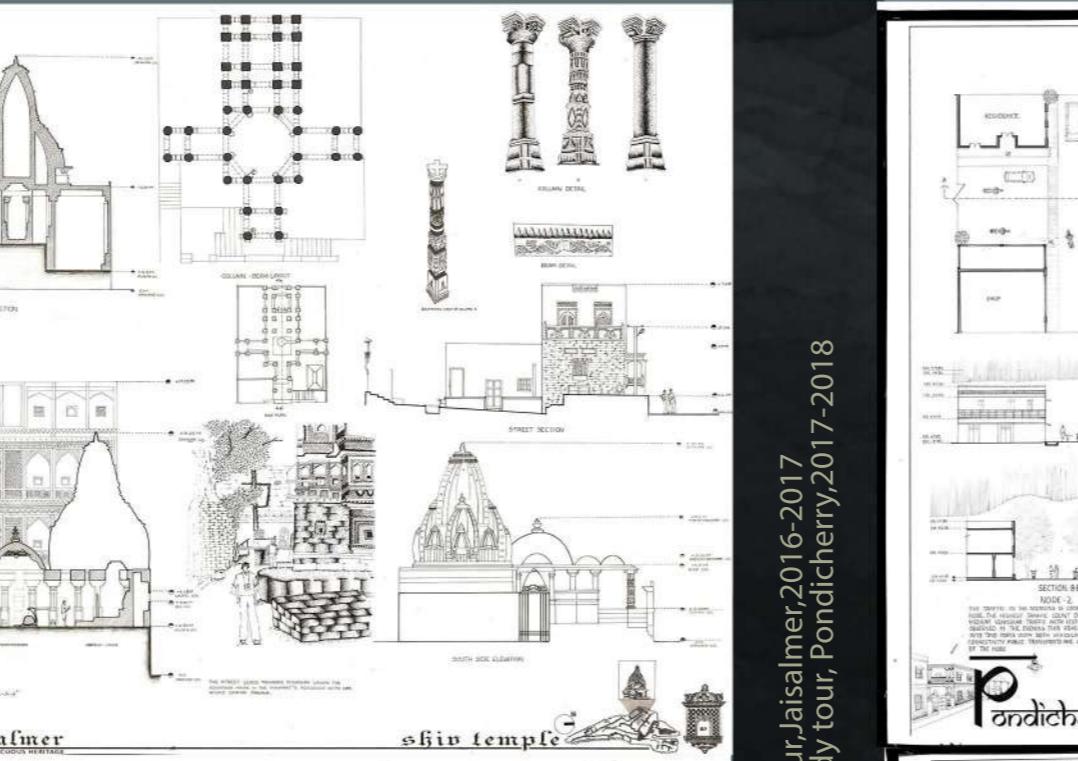
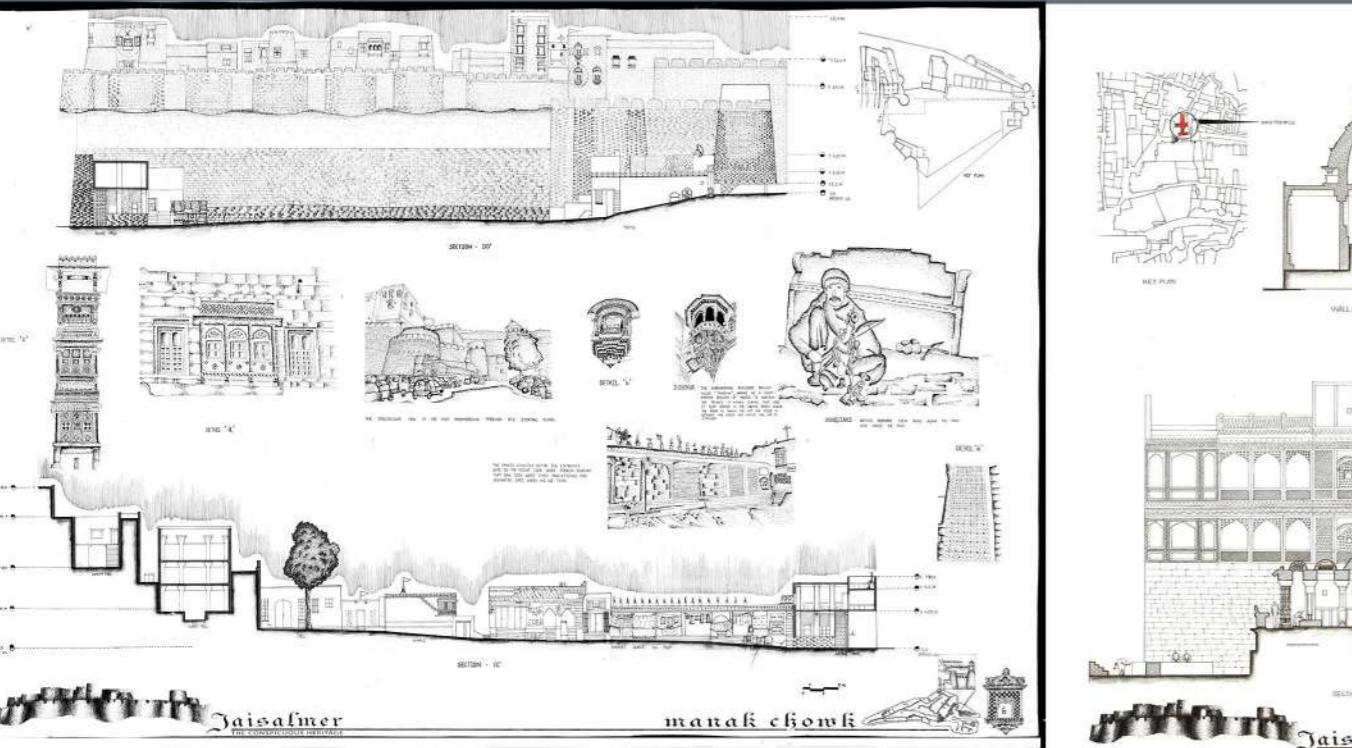


ELEVATIONS AND SECTION



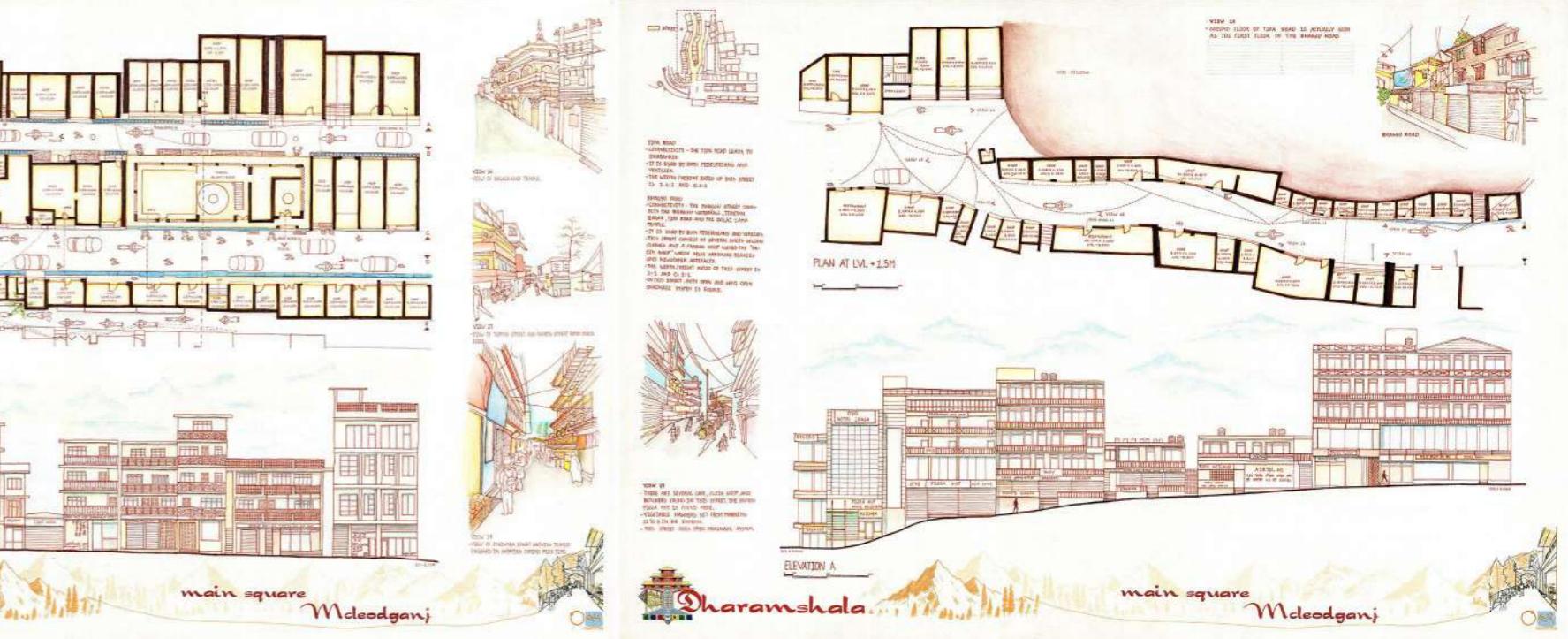
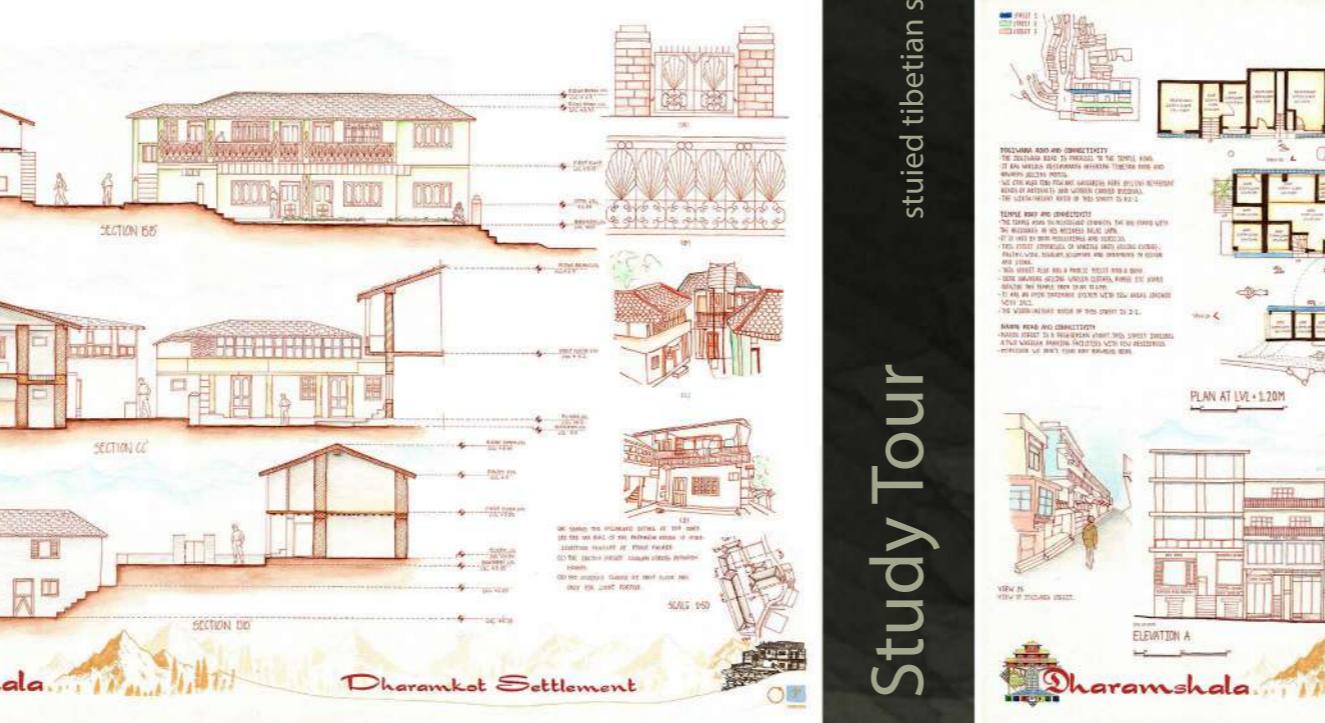
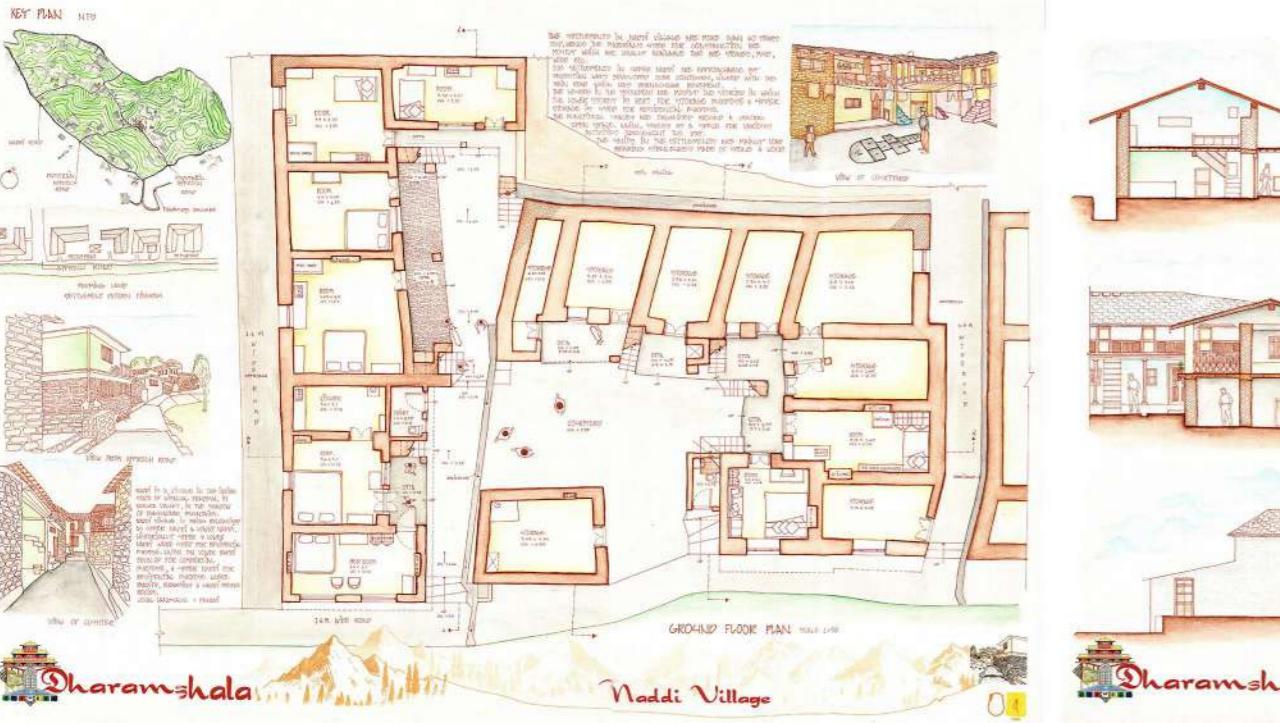
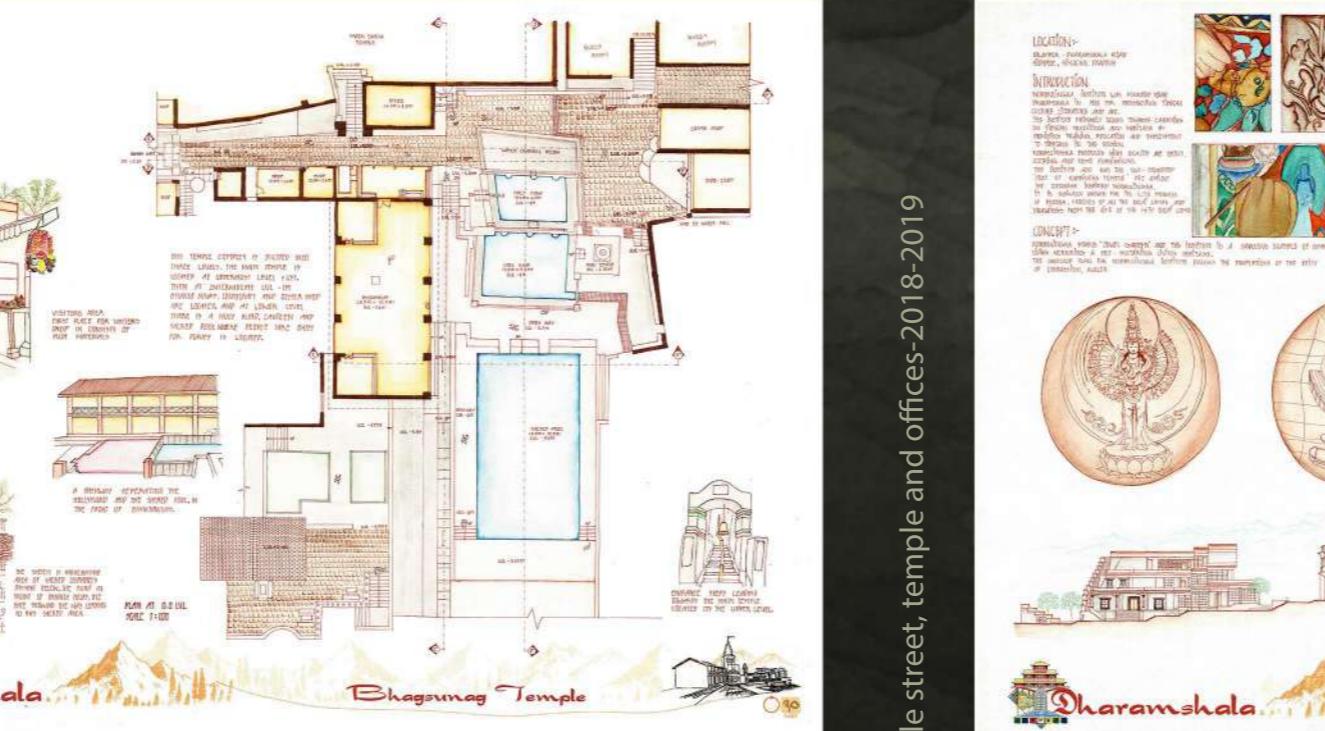
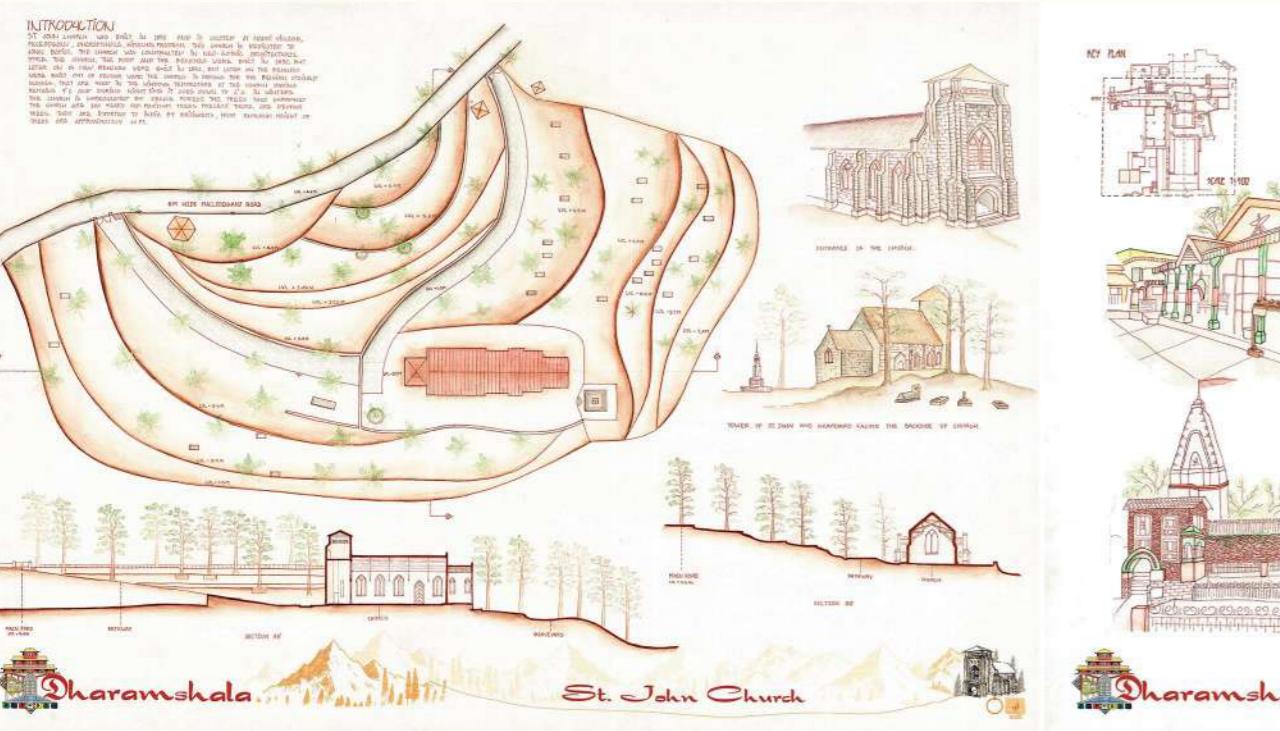
Study Tours

fort study tour,Jaisalmer,2016-2017
Housing study tour,Pondicherry,2017-2018



mo

A vertical key plan diagram on the left side of the page. It shows a long, narrow rectangular area with a small tree at the bottom. A horizontal line extends from the right edge of this area to the right margin of the page. The word 'LOCATION' is written vertically along the left side of the diagram, and '2000' is written below it.



BRIEF
THIS PROJECT INVOLVES IN THE APPREHENSION OF A PARTICULAR SPACE WHICH HAD BEEN IN USE BUT YET NEGLECTED. SO, THE DESIGN PERSPECTIVE OF THIS PRODUCT IS TO REASSSESS SUCH LIVELIHOOD SPACES AND RETAIN ITS VALUE TO PEOPLE.

LOCATION

HISTORY
RANGER DAYS BACK TO AD 260 BEING AN IMPORTANT PORT FOR BUSINESS WITH ARABIAN SEA AND OTHER WESTERN COUNTRIES. THE EXPANSION OF RANGER TAKES PLACE IN THE LATE 1800'S.

SITE JUSTIFICATION FOR LAKE
THE SITE SELECTED WAS ABANDONED A FEW YEARS BACK DUE TO COMMUNAL ISSUES AND FLOOD 2006 AND ALL THE CONGESTION INFERRED TO THE BOTANICAL GARDEN NEWLY PUT UP FOR MARKET.

EVOLUTION
THE MARKET ON THE OTHER SIDE, CREATES A COMPLETE ATTRACTION ALONG THE ROAD SIDE AND BLOCKS A COUPLE OF INTERNAL ROADS TO ACCESS & DEVELOP BOTH THE FUTURE SPACES. WE POWER TO GET THESE SPACES TO THE USE AND PARCELS A RECREATIONAL AREA WITH FOOD COURT, PROPER PARKING SPACES AND COMFORTABLE INTERACTIVE SPACES.

REVITALISING THE ANCIENT GLORY

REASSESSING THE EXTREMITY

ANDC - 2018

NASA

HISTORY
The site, Victoria Garden being a part of heritage square also known as 'Gandhi Baug' came into existence in 1870 followed by a reformation in 2016. Located near Surat fort and Gandhi Baug, which is being neglected and needs to be given more emphasis for its proper usage.

SITE CONTEXT
The site being relatively a street edge getting view of ancient Surat fort and Tapi river acting as an intermediate space between two main bridges - Nehru bridge and Makkai bridge. Ravivari - a weekly market surrounds the site on Sundays.

ANALYSIS
Located in central zone and in heart of Surat city comes under heritage zone surrounded by historical landmarks like Surat fort, Andheri library, Sir JJ Training college, old museum building, Victoria garden and Kasturba garden.

BOAT VIEW
A scenic view of city's urban skyline adjoining Tapi river can be enjoyed while standing at the edge.

CHILDREN PLAY AREA
An open play area, within the dense chaos fabric of city, is designed for kids along with seating space for their parents to enjoy the scenic view with their kid's safety and security.

WHY CURVES?
THE CURVES OF THE STRUCTURE DEFINES THE DIMENSIONS AND CONTINUOUS FLOW OF THE PROPERTY. IT IS THE PROPERTY OF THE SPACE, I.E., MERGING OF TWO COMPLETELY DIFFERENT SPACES ALONG WITH THE STRUCTURE IS DESIGNED IN SUCH A WAY THAT THE OPEN SPACE AS WELL AS THE COMPACT SPACES UTILIZED THROUH SPACE WILL BE USED AS THE SETTING AND INTERACTIVE SPACE PROVIDING A BEAUTIFUL HIGHLIGHT.

SECTION AA'

SECTION BB'

SECTION CC'

SECTION DD'

SITE PLAN

LAKE EDGE PLAN

EXISTING SECTION THROUGH FOOT OVER BRIDGE IN GANDHI BAUG

PROPOSED SECTION THROUGH FOOT OVER BRIDGE IN GANDHI BAUG

REVITALISING THE ANCIENT GLORY

ANDC 2018

NASA

WHAT IS FUNCTION?
Function is the performed activity inside a space. It is a reflection of requirement or purpose of the design which comes from human needs and wants.

WHAT IS SPACE?
Space is the relative position of one three-dimensional object to another. A continuous area which is free, available, or unoccupied.

WHAT IS PURPOSE?
Purpose is the reason to design space to make it more habitable.

HISTORY
The earliest human beings created the tool, each of them completely proportional, because it makes functionally suitable. It has to be symmetrical because of the functioning.

FUNCTION EVER FOLLOW FORM
LOUIS HENRY SULLIVAN
Architecture based on Vitruvius Third Function Requirements
Principles
Standards and conditions
Bluestone and Design
BALANCE

ELEMENT
Wooden ladder was devised making stairs seem like the floor modulating vertically. Stairs also define semi-built spaces in amphitheaters and stadia. Stairs were confined to the walls, within the building envelope.

ARCHITECTURE
How is form and function related?

TWO APPLICATIONS OF SCALING THE FLOOR PLAN
An Elliptical developed a room function scheme and applied it in forms of a triangle, circle and square-rectangle.

CONCLUSION
Everything in nature have a shape and function, that distinguishes them from each other. Unfailingly in nature these shapes express the inner life, whether it be the toiling work-horse, the blith swan, the branching oak, FORM EVER FOLLOWS FUNCTION.

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WHAT IS FORM ?
A 3dimensional volume
Results into expressive architecture
The form remains the primary determinant of the design

WHAT IS SHAPE ?
Shape is a flat, enclosed area of an artwork, created through line, texture, colours.

WHAT IS MASS ?
Mass and shape collectively define a form.
It is a perception of the general shape and form as well as size of building.

POINT
Positions are location and place inside a space which are known as points.

LINE
A point extended becomes a line with properties of length, direction and position.

PLANE
A line extended becomes a plane with properties of width and depth, form, orientation and position.

VOLUME
A plane extended becomes a volume with properties of width and depth.

FUNCTION
To create architecture is to put in order; Put what in order? Function and objects.

PURPOSE
Le Corbusier

FORMATION OF NEGATIVE AND POSITIVE SPACES
Formation of negative and positive spaces
Change in orientation of wall improves quality of light
Sunlight penetrating through the cutouts creates shadow patterns

HISTORY
AEROPLANE
The shape of birds helped to solve a problem that had existed in the world.
Leonardo da Vinci researched the wing design of birds and designed a man-powered aircraft in his Codex on the Flight of Birds (1502).
Engineers used the shape of the birds as inspiration to model the planes.
The scientists mimic the movements of the birds while modeling the wings.

FUNCTION FOLLOW FORM :
Emphasis on buildings, facades, street composition, dimensions
Specify building massing, height, and relation to street and public spaces & street and sidewalk widths
Regulatory focus on form, instead of density & use.
Prescriptive not prescriptive.
Primarily works to define and create a "place".
Architecture must fulfill psychological, social and symbolic need.

ELEMENT
Sir George Cayley's plan for a fixed-wing aircraft.
Derivation of form of an aeroplane.

ARCHITECTURE :
FORM
Geometry
Biomimicry
Organic
Material

CONCLUSION :
Form of the bird's body allows it to fly, but the human body form does not allow it perform such motion. Here the form gives the direction to the object to perform a task.
Accordingly at the end, Architects somewhere aspire to make something beautiful, to create some type of visual light in their work and that's where FORM comes.
It is a way of rethinking design around a less deterministic, and thus restricted, functional paradigm, and to use form as a means of exploring 'emergent' functions for as yet undefined conditions.
Let's Rethink the 'Function' of 'Form' in Architecture!

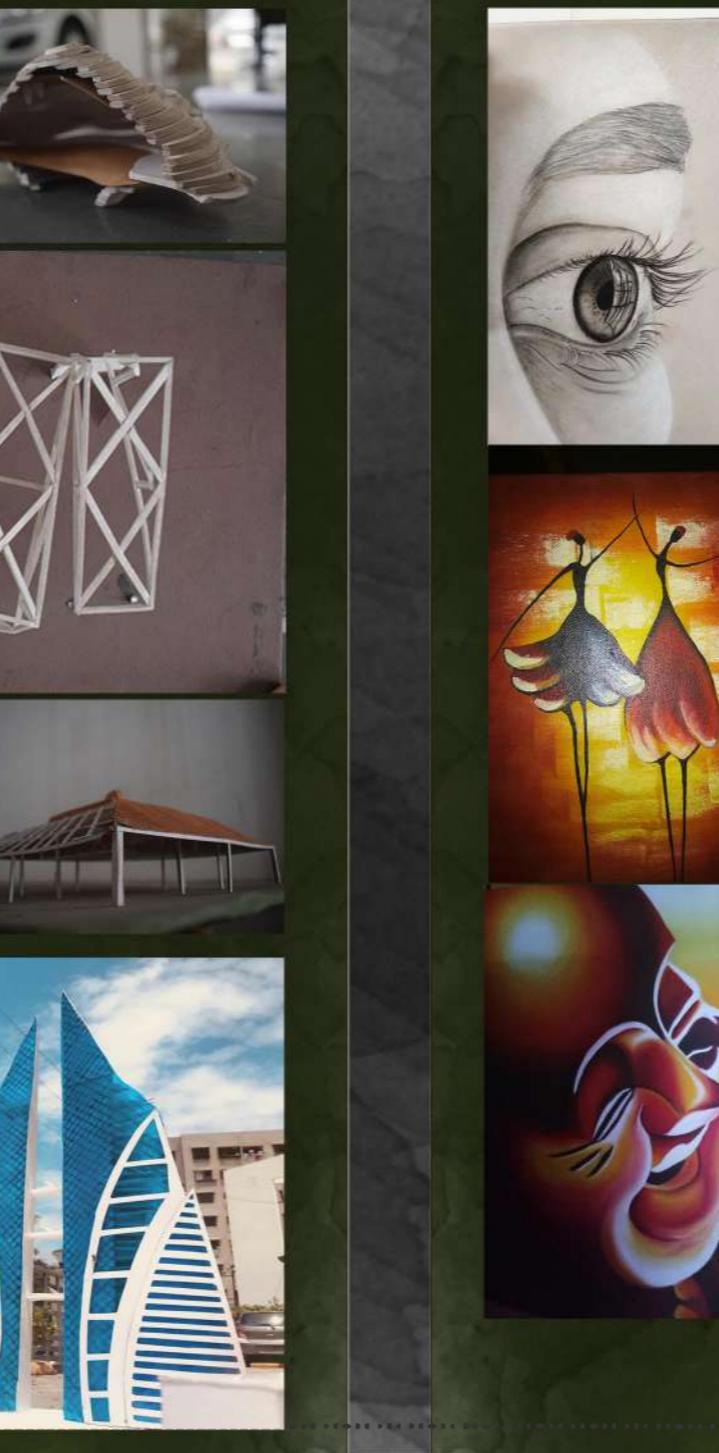
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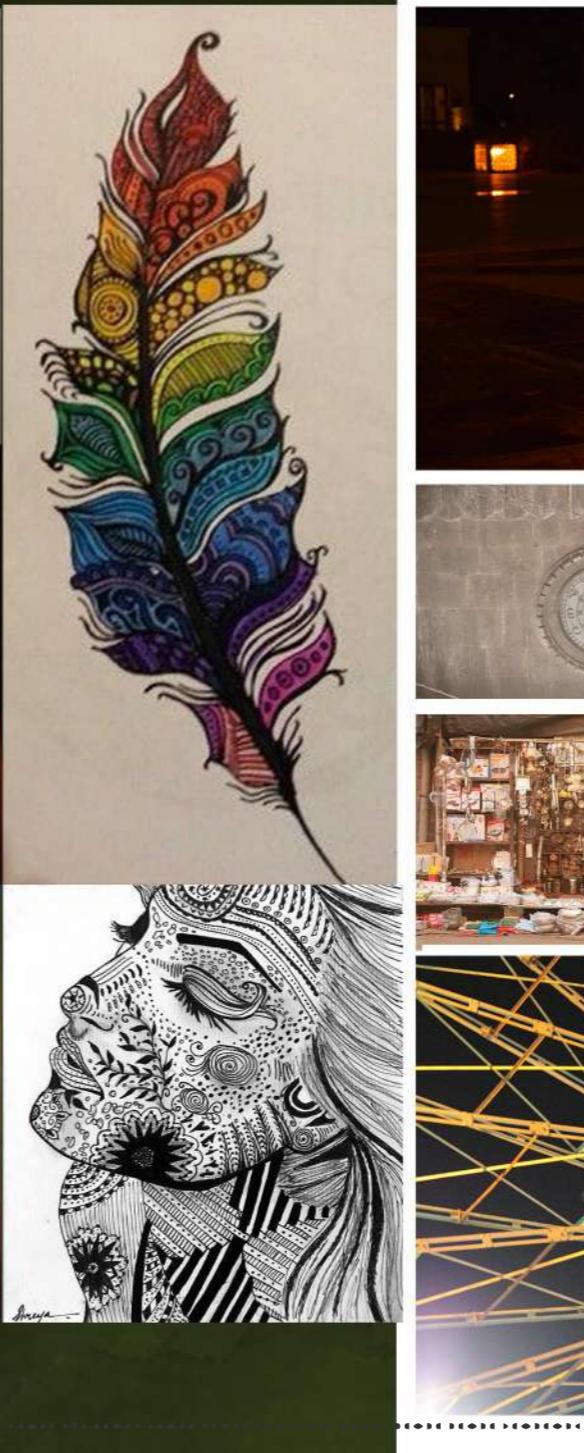
WorkShop..



Model Making ..



Sketches..



Photography ..

