



Partfalia

Ajith Chandran | S6 2019 | Masap. Kottayam.

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Hi,

*iam Ajith Chandran
S6 Student at Masap.*

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AJITH CHANDRAN

ARCHITECTURE STUDENT

About Me

Setting off on a studious venture to explore the heart of architecture, settle down on a profession where my true instincts reside and strive to turn imaginations into exemplary infrastructural marvels.

This portfolio is a collection of various academic works in which i have employed the best of my skills. It is a true speciment of my creative taste.

I dream to spend all the time i have in designing, travelling, sketching, photography and reading. I wish to nurture my skill and knowledge by working with experinced hands.





AJITH CHANDRAN
ARCHITECTURE STUDENT

PERSONAL INFO

Date of Birth : 27 October 1996
Nationality : Indian

CONTACT ME

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Kuzhimathicadu P.O.
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Kerala, India, 691509.

+91-8137086793
ajithchandran388@gmail.com

CONNECT ME

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www.fb.com/ajith.chandran.982
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EDUCATIONAL STATUS

KG - 10th

11th - 12th

BRANCH

Little Flower English
Medium High School,
Kundara, Kollam.

Government Higher
Secondary School
Kuzhimathicadu,
Kollam.

Mangalam School of
Architecture and
Planning, Kottayam.

HOBBIES

Sketching | Painting | Photography | Videography | Crafting | Editing
Chatting | Graphic Designing | Traveling

LANGUAGES

English ●●●●●○
Malayalam [Native] ●●●●●●
Hindi ●●●●●○
Tamil ●●●●●○

ACHIEVEMENTS

- Attended mud workshop lead by Ar. Sreedevi
- Part Kumarakam Flood survey 2018 IIA Kottayam.
- Attended ZONASA 2017 and ANC 2019
- Co-ordinated 5 interviews for Signarch Studio

MANUAL SKILLS

Drafting
Model Making

SOFTWARE SKILLS

| | | | |
|----------|------------|---------------|------------|
| Autocad | ██████████ | Photoshop | ██████████ |
| Revit | ██████████ | indesign | ██████████ |
| Sketchup | ██████████ | Illustrator | ██████████ |
| Lumion | ██████████ | Premiere Pro | ██████████ |
| 3DS Max | ██████████ | After Effects | ██████████ |
| Rhino | ██████████ | M S Office | ██████████ |
| Keyshot | ██████████ | Grasshopper | ██████████ |



Content

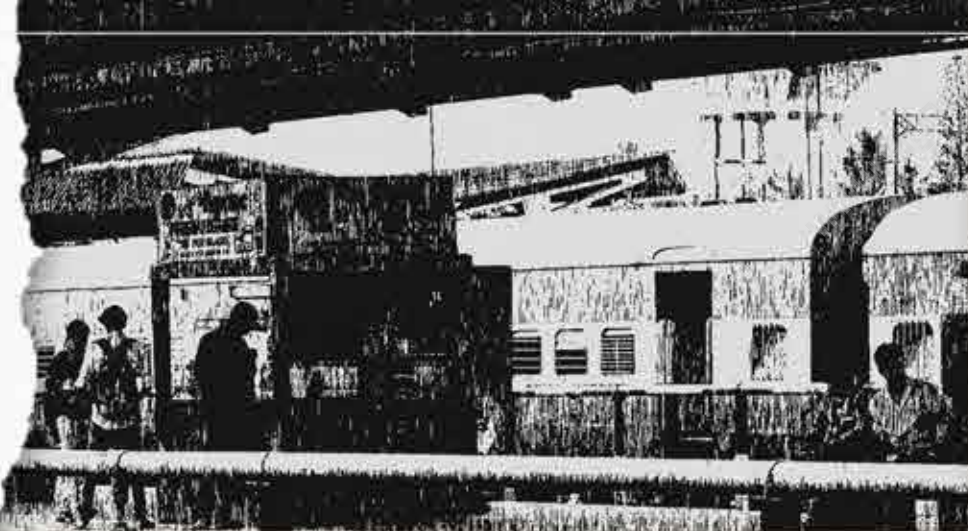
1. Railway Station Kiosk Design
2. Lp School Toilet Design
3. Measured Drawing
4. Live & History Sketches
5. Daycare & Kindergarten Design
6. Residence Design
7. Hospital Design
8. Business School Design
9. Basic design & Visual Arts
10. Working Drawing
11. Documentation & Settlement Study
12. Lamp Design
13. Window Design
14. Renderings & Andc Sheets
15. Photography

Portfolio

RAILWAY STATION KIOSK DESIGN

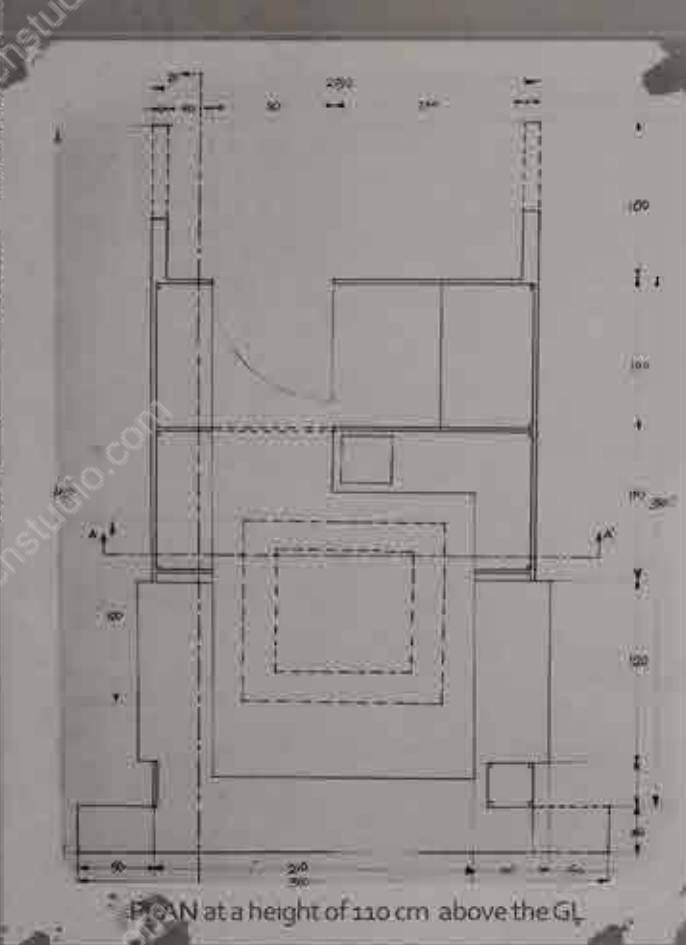
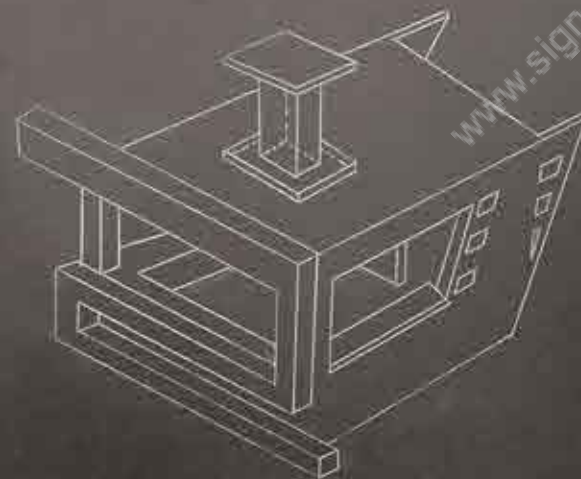
Kiosks are basically small stalls mostly seen in railway stations, bus stands, etc. It was one of the first Architectural Design works in the first and second semester.

The aim was to design a railway station kiosk. The students can select their site and type of kiosk for their design.

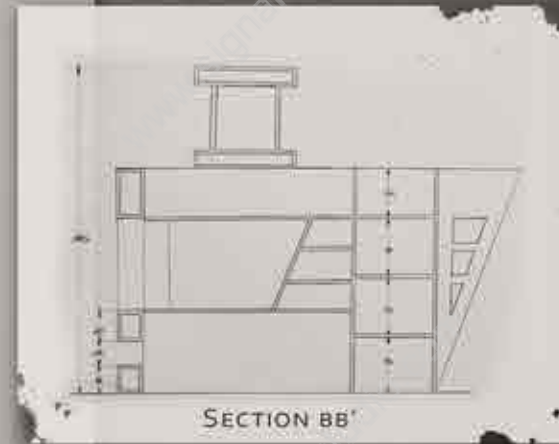
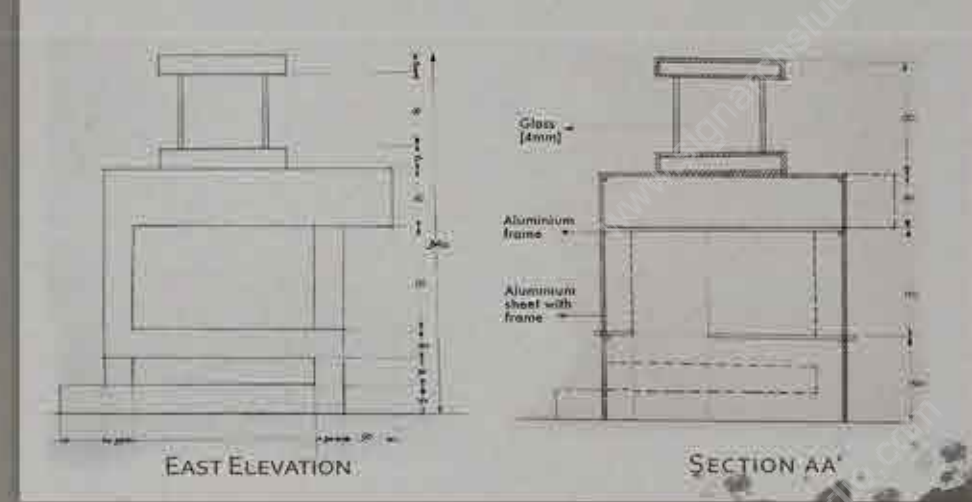


Location : Kollam Railway station | Type : catering and Bakery Kiosk

The concept of this design emanates from the first alphabet of the word snack, 'S'. all though it appears decorative, the structures were carefully arranged to deliver maximum space and comfortability. A slanted projection adds an attractive impression to the overall structure



STUDIO 01



All drawings are hand drawn

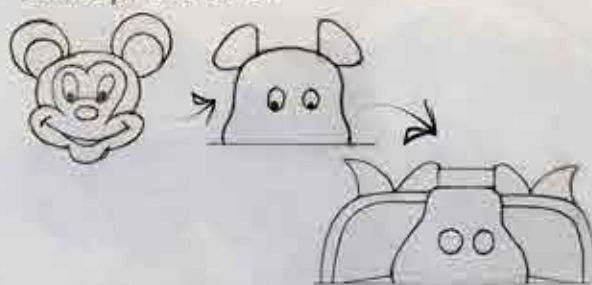
LP SCHOOL TOILET DESIGN

The second project of the first year; Designing an LP school toilet. It was much more accurate, matured and measured work compare to the first design.

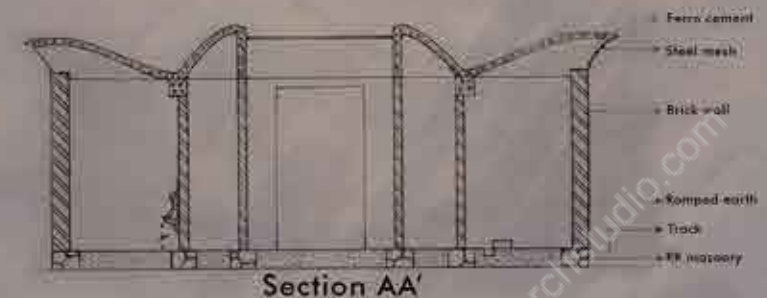
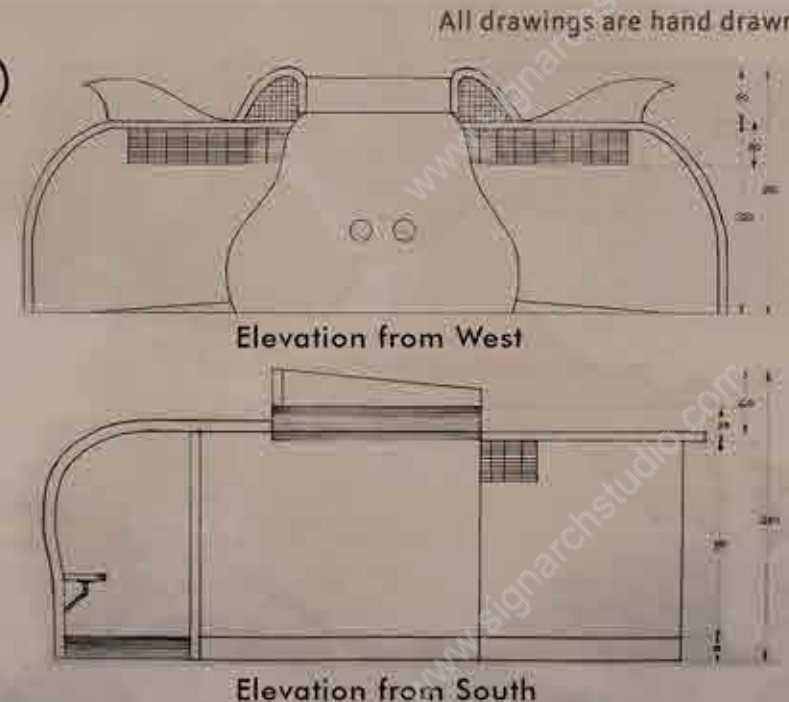
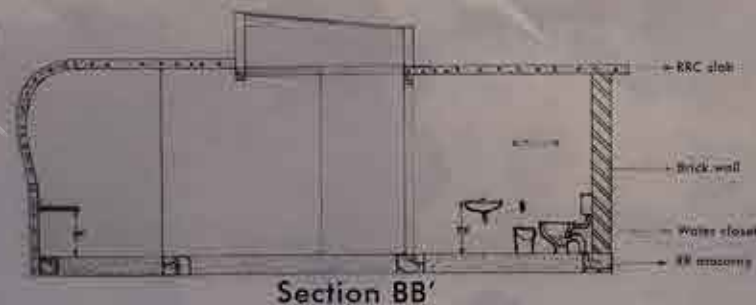
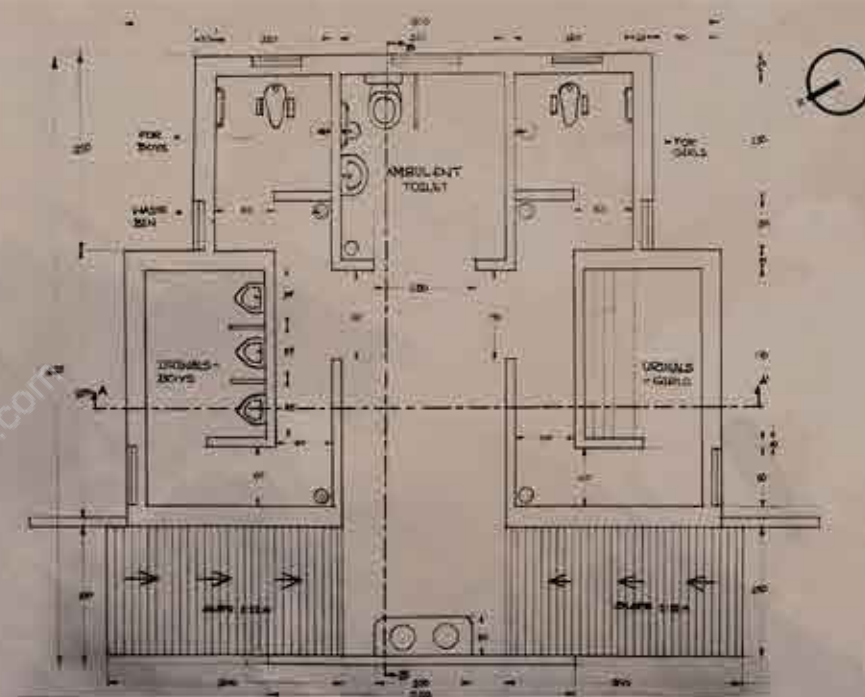
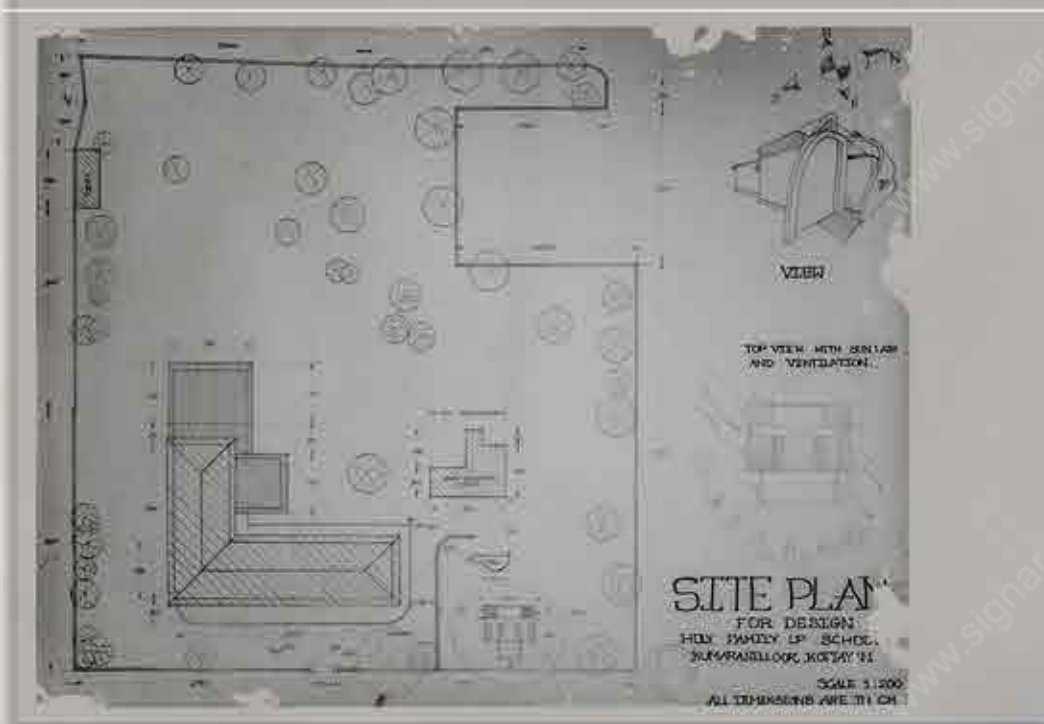
It incorporates curves so as to keep up with the interests of children. The form resembles the famous cartoon character 'Mickey Mouse'. The work offers possibilities to explore multiple dimensions of anthropometrics.



Concept Evolution

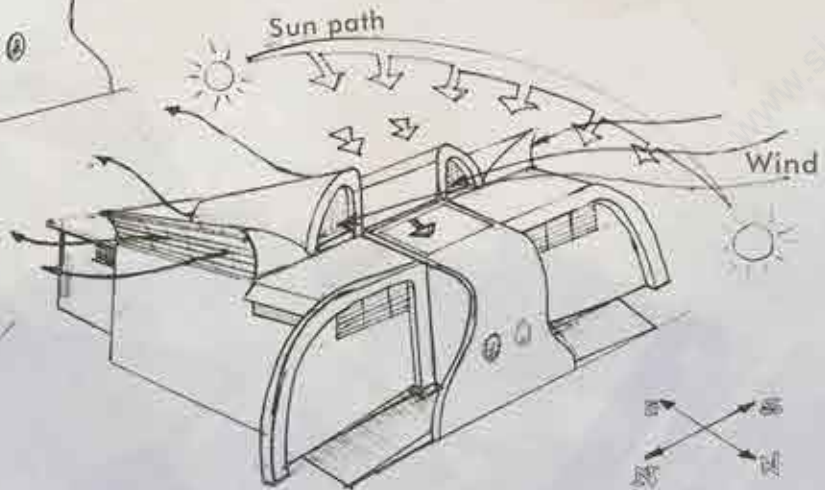
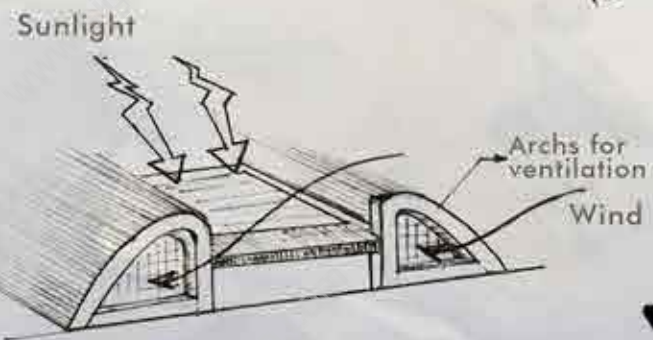
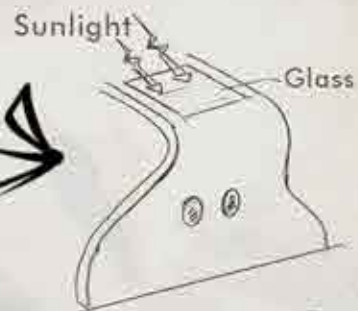
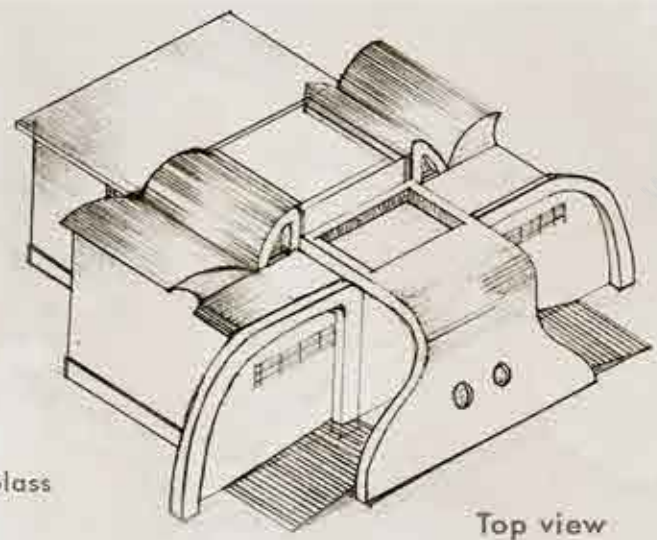
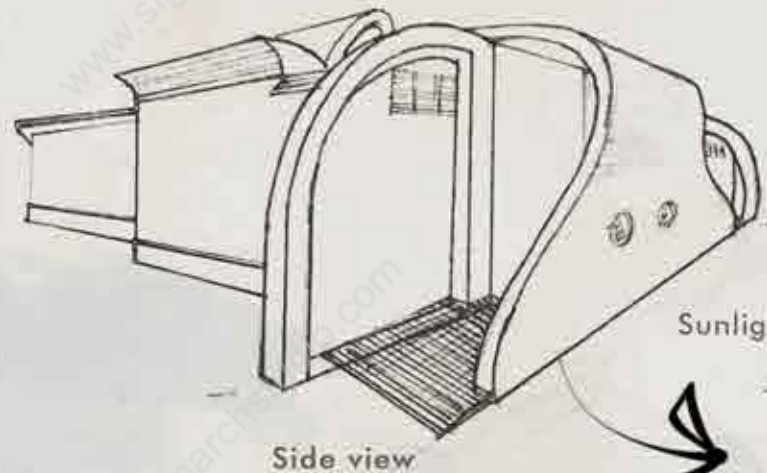


A pair of etched convex lens are placed above the wash, which looks like the googly eyes of the building when observed from outside.



All drawings are hand drawn

LP SCHOOL TOILET DESIGN



Rendered
views

Software used - Sketchup
Lumion | Photoshop

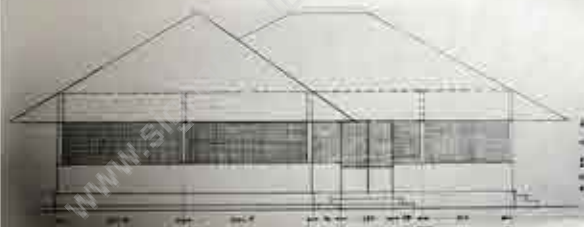
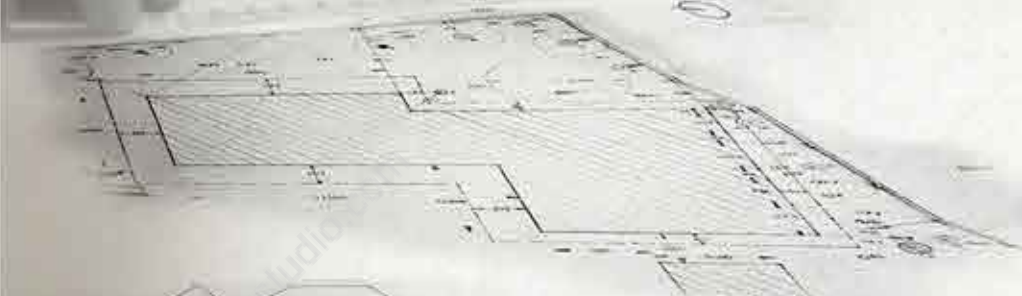


STUDIO 02

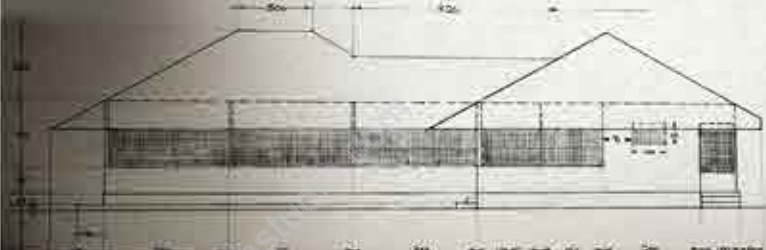
LP School Toilet Design | S1 - S2

Measured Drawing

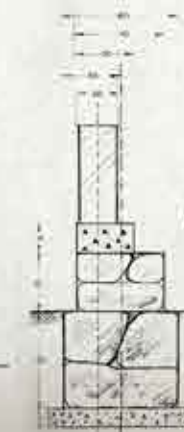
College Canteen



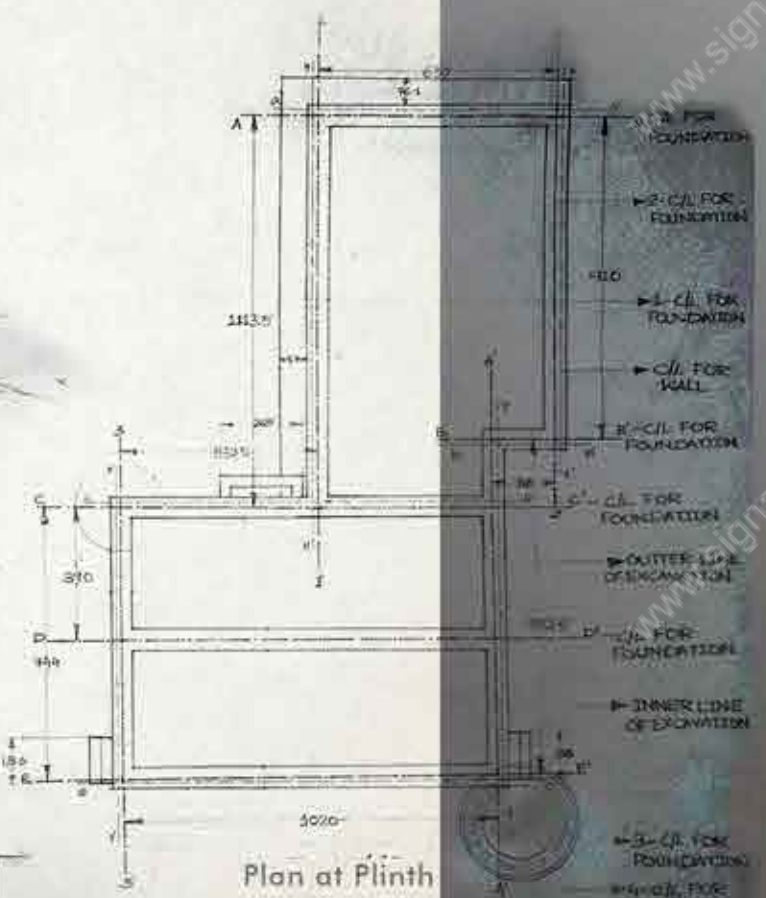
Elevation from North



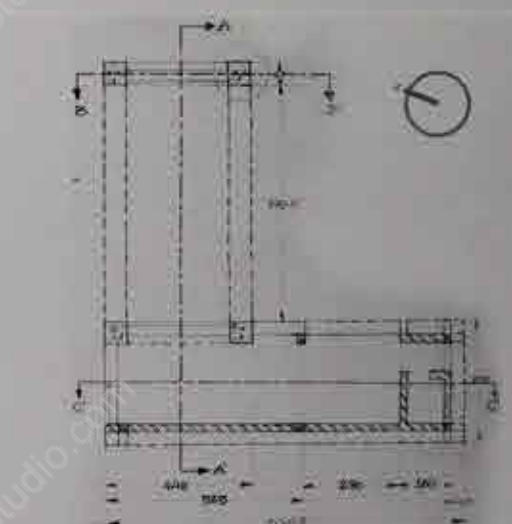
Elevation from west



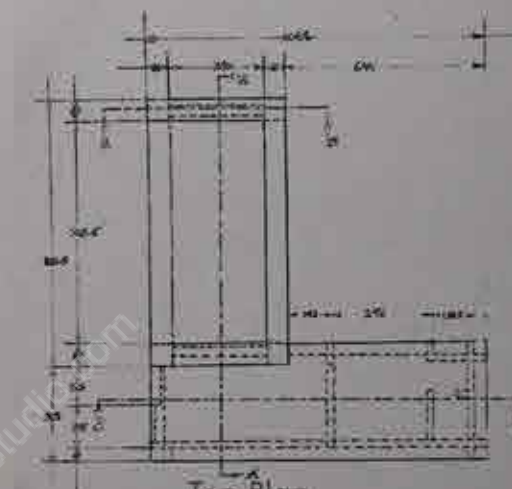
Foundation Details



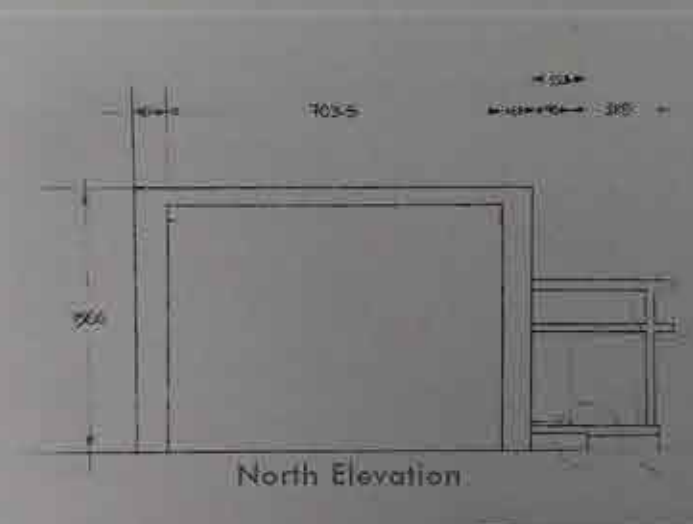
Plan at Plinth



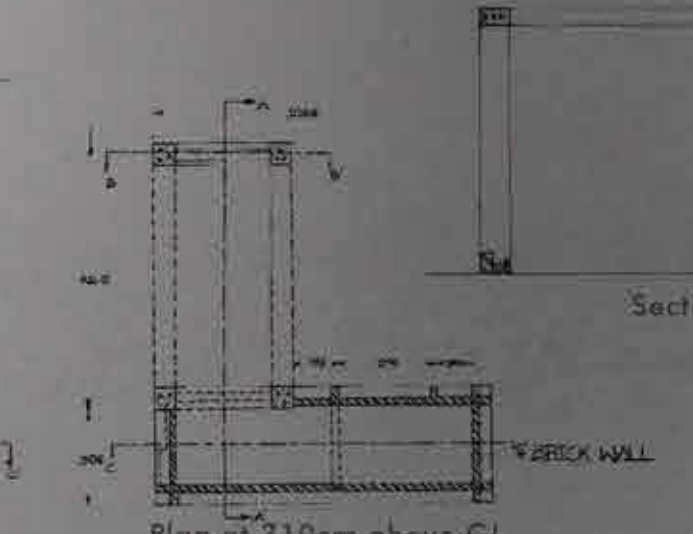
Plan at 100cm above GL



Top Plan



North Elevation



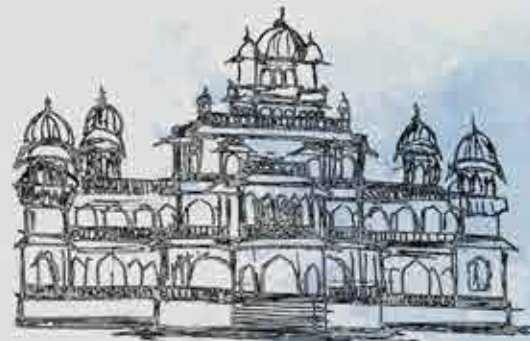
Section AA



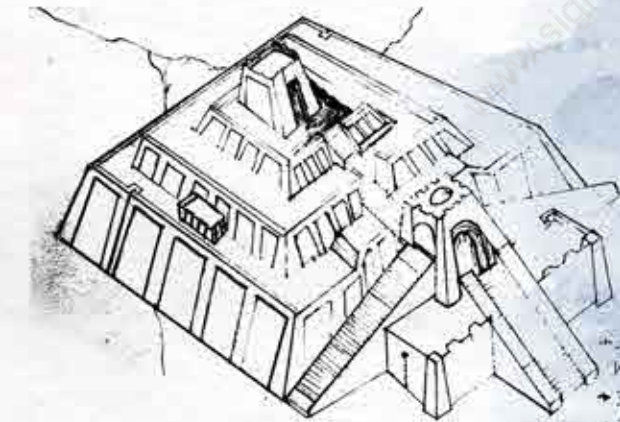
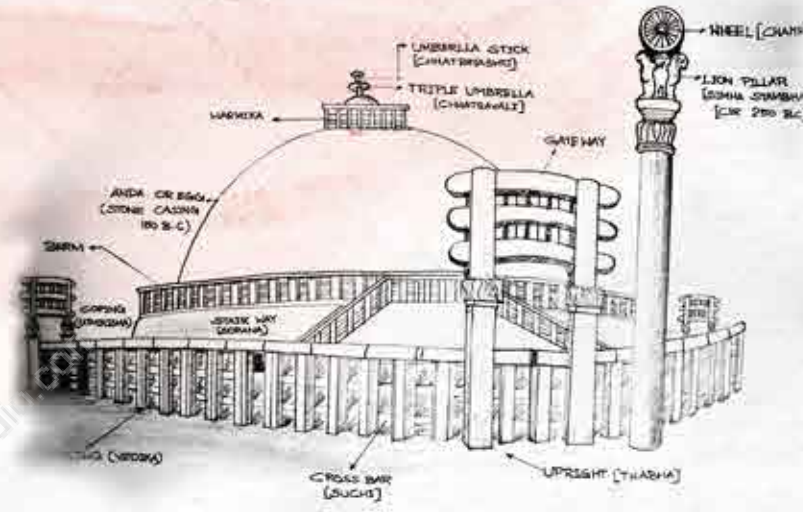
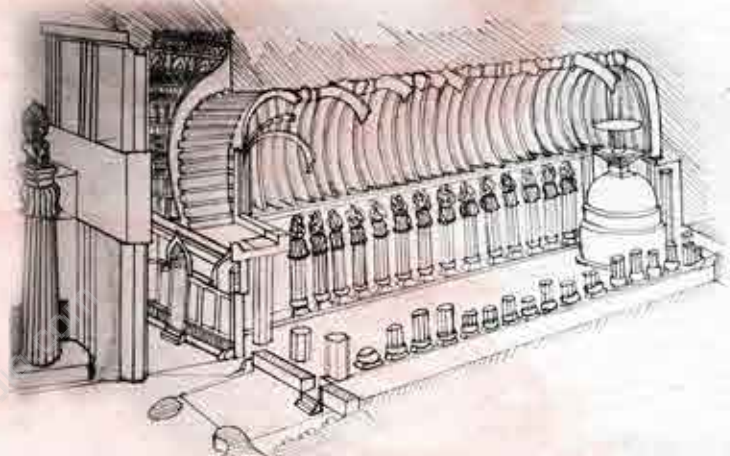
All drawings are hand drawn

College Gate

Live Sketches →



← History Sketches



Labels in the diagram:

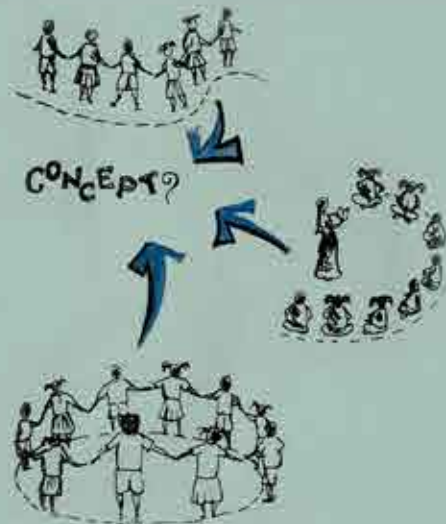
- UMBRELLA STICK [CHATRAKASHI]
- TRIPLE UMBRELLA [CHATRAWALI]
- WAKHRA
- ANDRA OR BISHA [STONE CANNON 100 B.C.]
- GOPURAS [TOWER]
- SHAKH WAY [CORRIDOR]
- WHEEL [CHAKRA]
- LION PILLAR [SOMIA SHAMBHA] [CIR 200 B.C.]
- GATEWAY
- UPRIGHT [THARSHA]
- CROSS BAR [SUCHI]

Daycare & Kindergarten Design

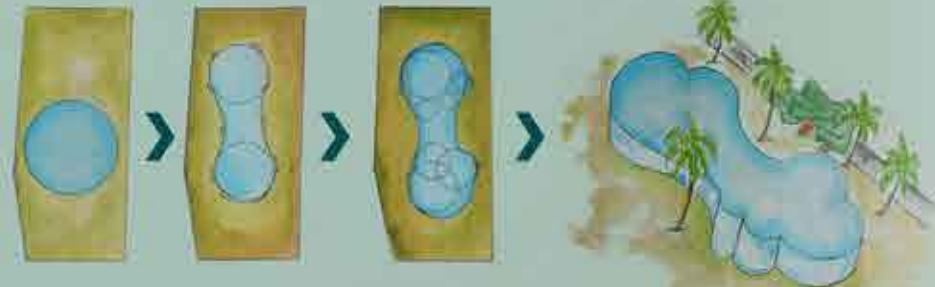
The designing output of the third semester. Designing a Daycare and Kindergarten required a lot of care and attention.

This project helped to get familiar with building rules. It also raised my designing capabilities to an advanced level of anthropometrics and offered a space to explore utilization of space.

It was a strenuous task to design a kindergarten in a linear plot as it necessitates focus on matters such as care, pollution and privacy issues. The challenge was to offer maximum protection to the children from pollution and physical hazards as the plot lies facing the MC road.



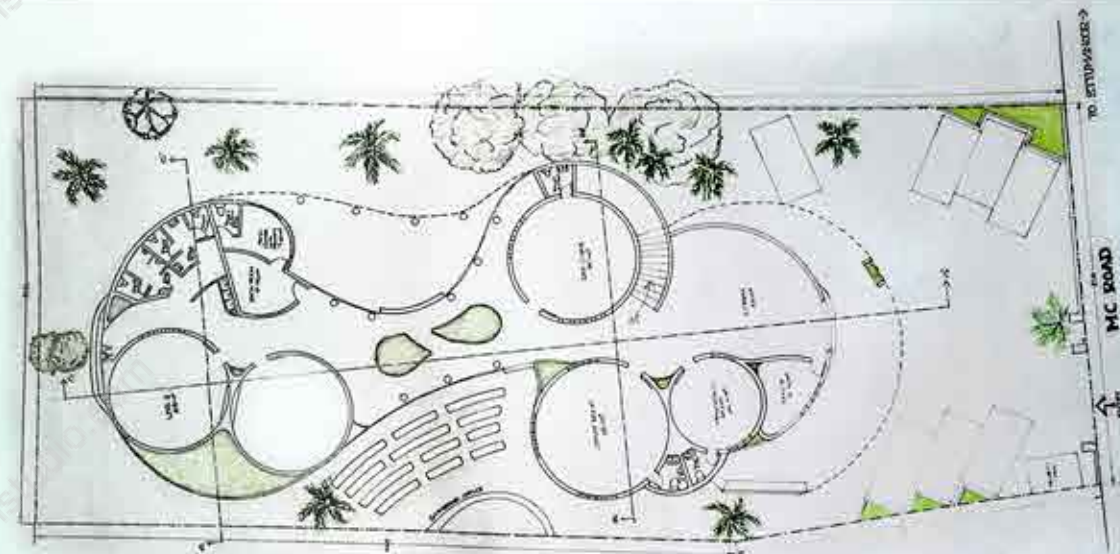
Form Evolution



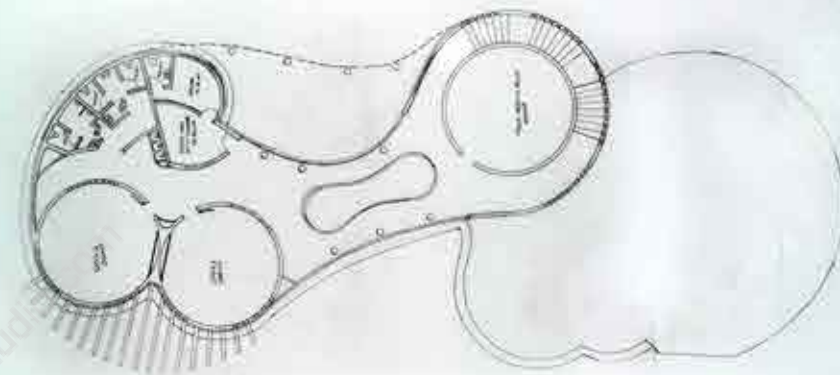
Design Concept

As the saying goes "Merry go round", this kindergarten design worships the most perfect of all shapes "Circle".

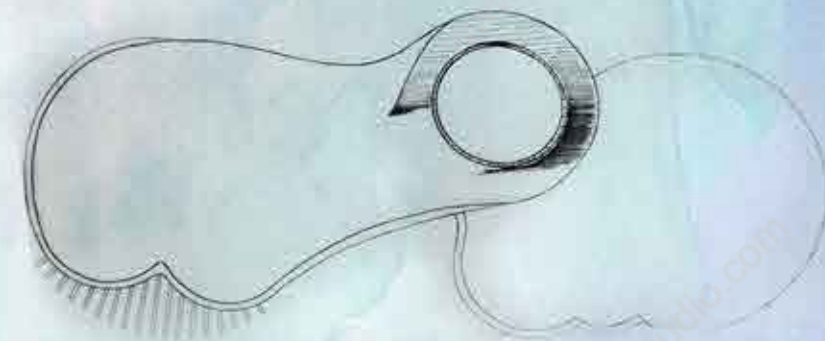
Kids have a natural interest in circular shapes. They often gather around in circular formation. This property of the young minds is put to use in this design. The form itself interacts with the children evoking a playful and joyous mood in them.



Ground floor plan at 120 cm Above the GL



First floor plan at 420 cm Above the GL



Roof Plan

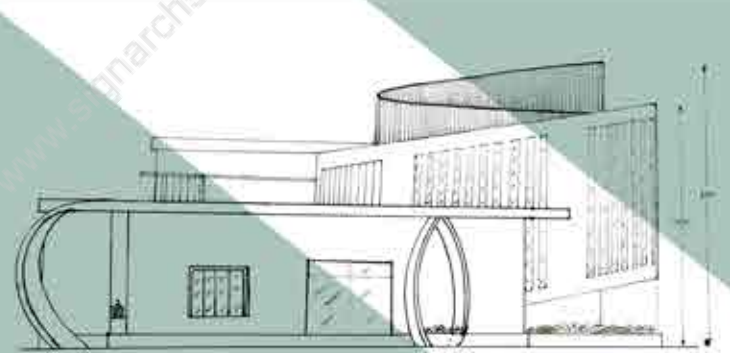
Studio 03 Kinder Garten Design

| | |
|---------------|--------------|
| Plot area | : 1634 sq. m |
| Built up Area | : 545 sq.m |
| FAR | : 0.506 |
| Coverage | : 33% |

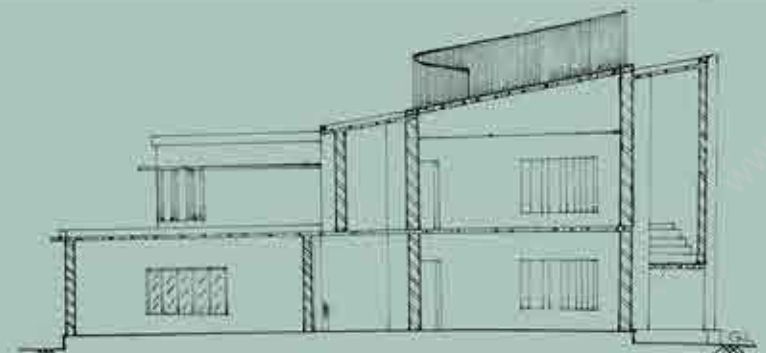


The predominant wind flow of the plot stretches from Southwest to Northeast. The building block are placed in harmony with the cardinal directions.

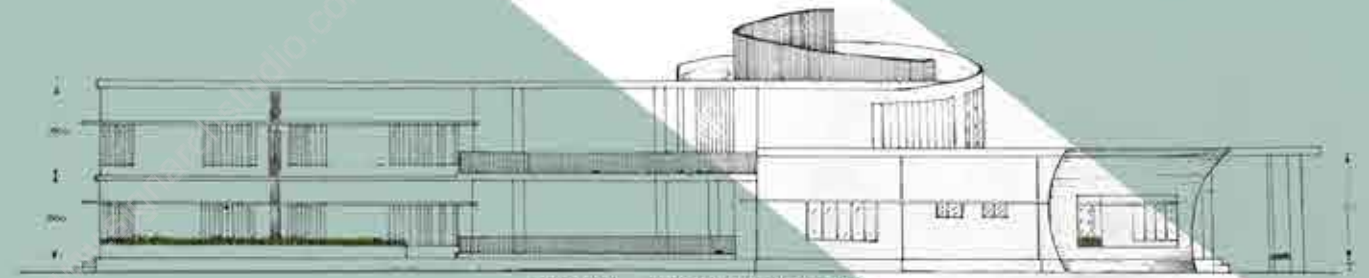
The Structure delivers maximum openness possible. It promotes ease of mind and intake of fresh air as well.



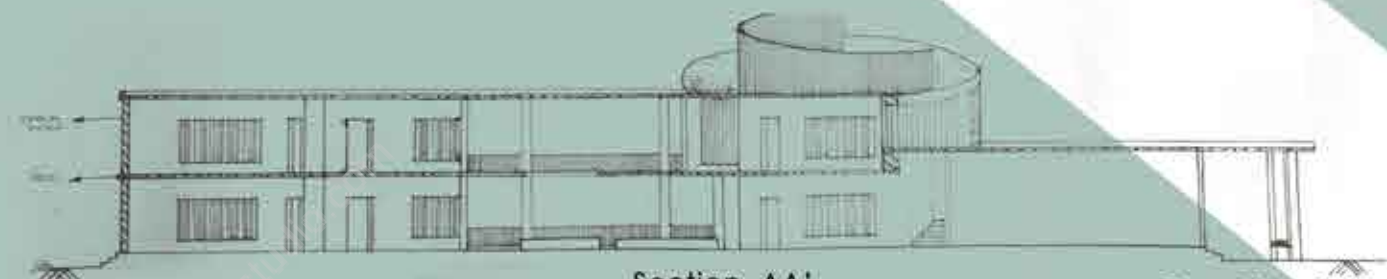
South - East Elevation



Section BB'



South - West Elevation



Section AA'

All drawings are hand drawn

Studio 03 Kinder Garten Design

Rendered views

Software used - Sketchup
Lumion | Photoshop



Top view



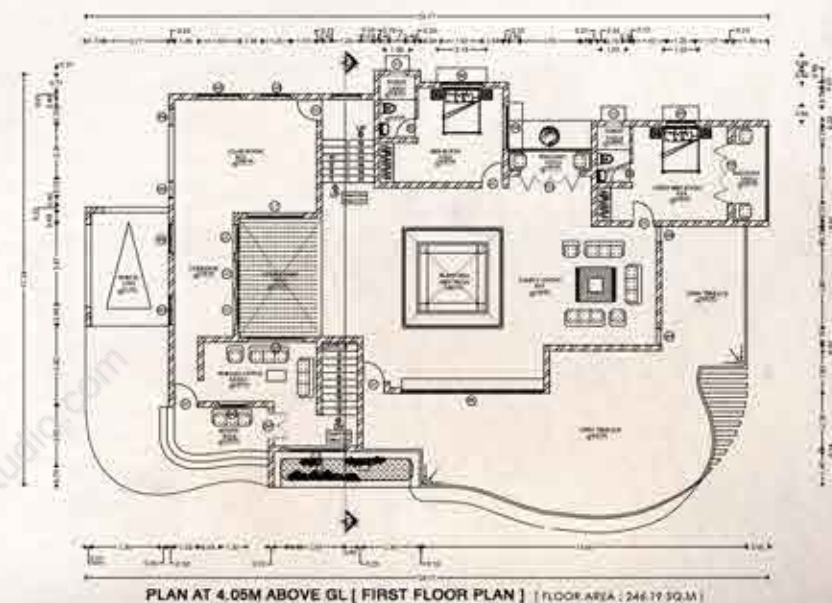
View - Play area



One of the most amusing works of my academic career was the fourth semester design project. The client was basically a violinist and hence his tastes were musical as well.

Similar to how a symphony combines emotions with music, the concept of this design attempts to bring nature and music into harmony.

A Violin produces music through internal reflection of sound, whereas, in this design the central platform audibly and visually reaches all the parts of the house.

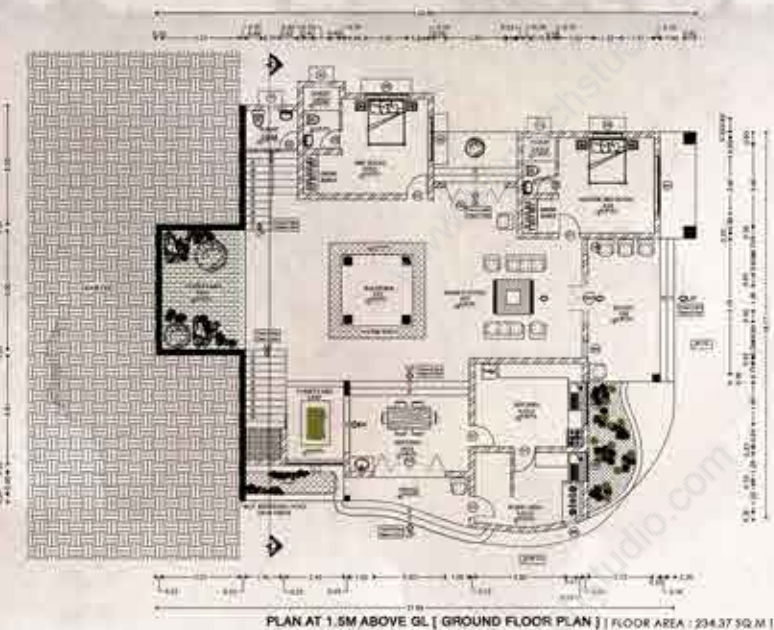
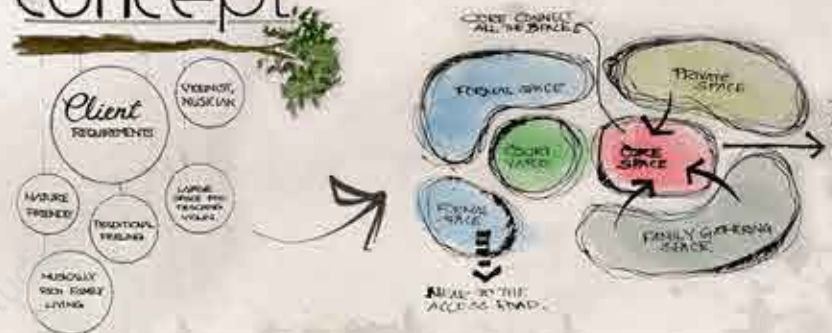


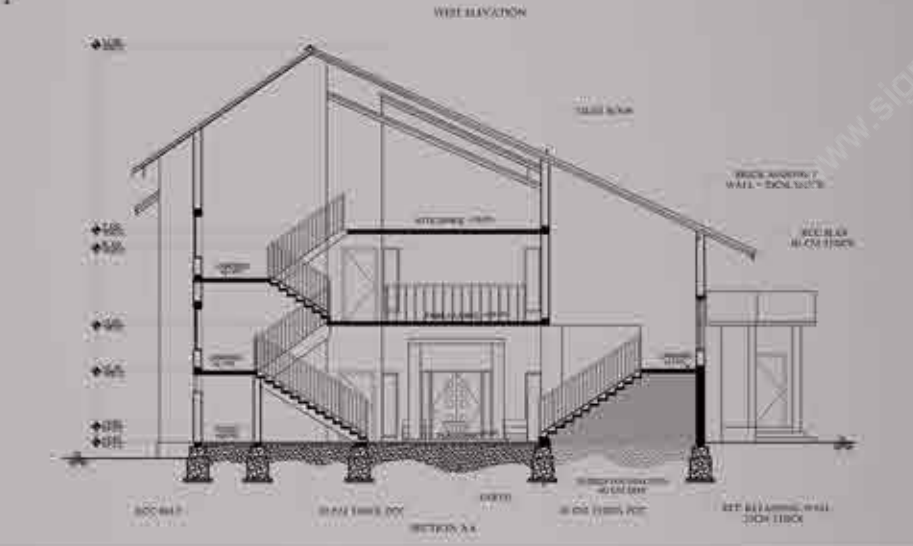
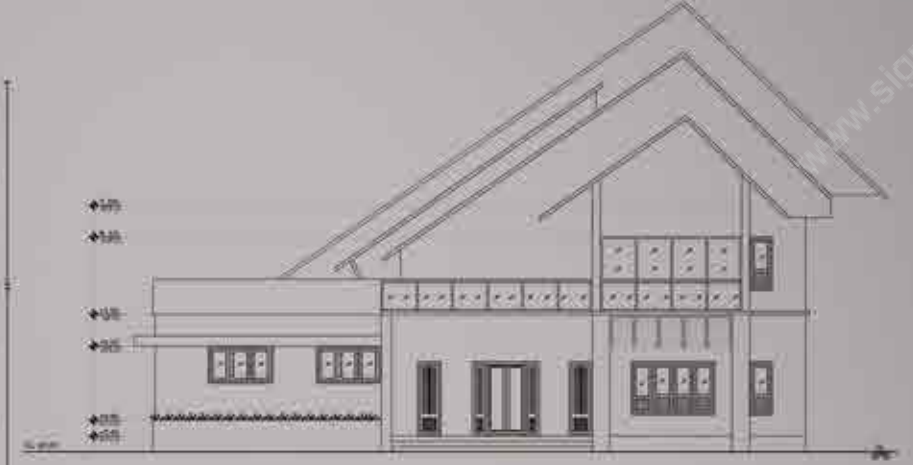
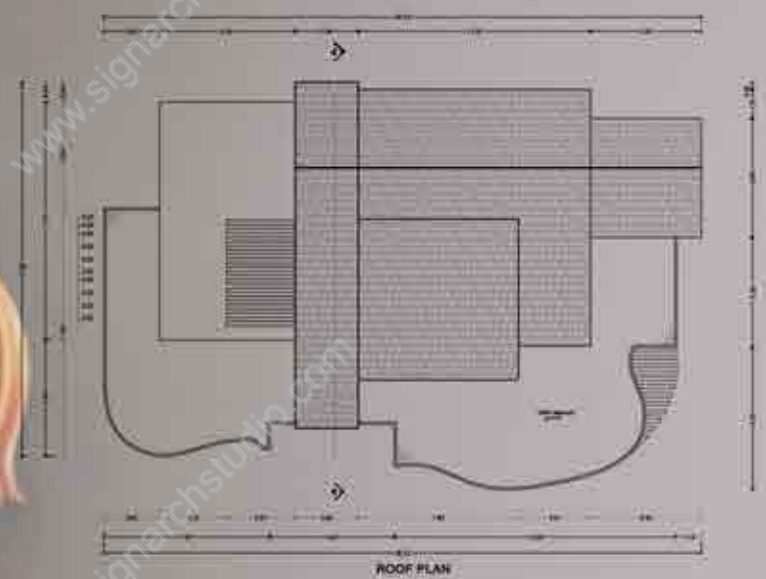
| | |
|-------------------|---------------|
| Plot Area | : 825.57 sq.m |
| Ground Floor area | : 234.37 sq.m |
| First Floor area | : 246.19 sq.m |
| Total Floor area | : 480.56 sq.m |
| Coverage | : 37 % |
| FAR | : 0.49 |

The central platform with the backdrop of an open courtyard leaves us with freshness and a touch of nature.



Concept





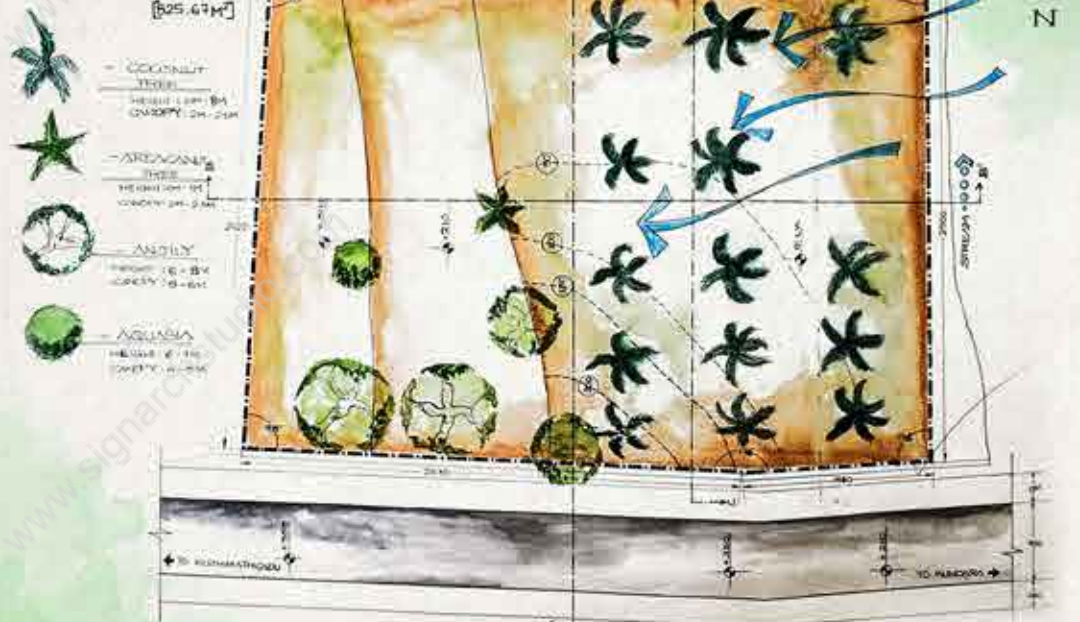
Rendered views
Software used: (revit) Sketchup
(Lumion) (Photoshop)



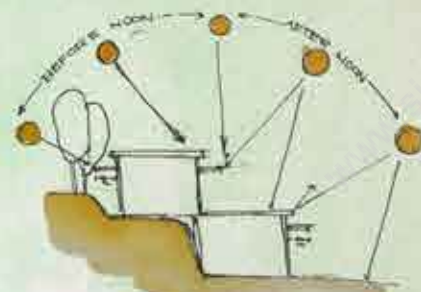
The Attic plays an important role in defending the home against the heat. It functions as an insulator that slows down the heat and maintain the thermal comfort.

Hand Drawn Sheets

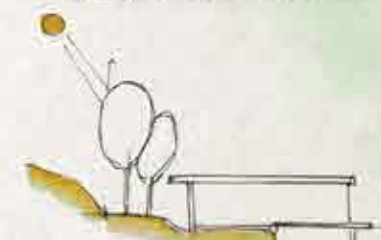
PLOT AREA: 20.64 cent [825.67m²]



Site Plan



ACCORDING TO THE SITE NORMAL SIZE OF 60CM SHADING DEVICE CAN BE USED.



THE TREES IN THE EASTERN SIDE WILL PREVENT THE OVER SUNLIGHT AND PROVIDE PROPER SHADES



THE PLOT IS LAND AT DIFFERENT LEVELS, SO THE RESIDENCE CAN BE CONSTRUCTED IN TWO LEVEL IT WILL PROVIDE PROPER LIGHTING AND WIND FLOW



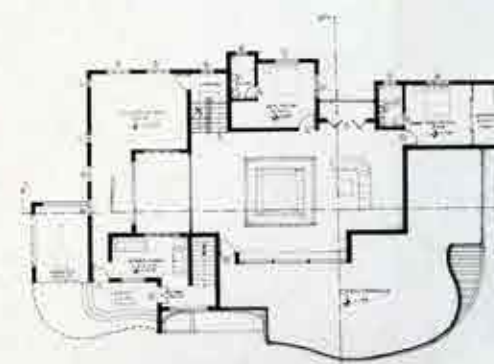
THE WIND FROM THE SOUTHWEST SIDE BECOME COOL DUE TO THE PRESENCE OF SPERM



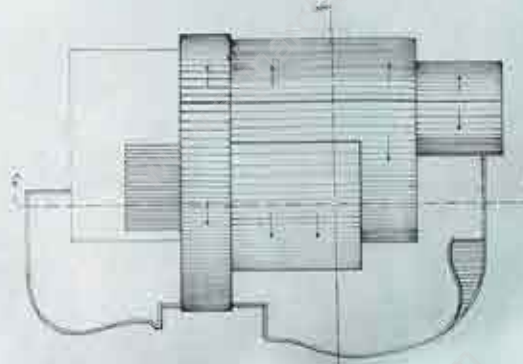
Plan at 150cm above GL



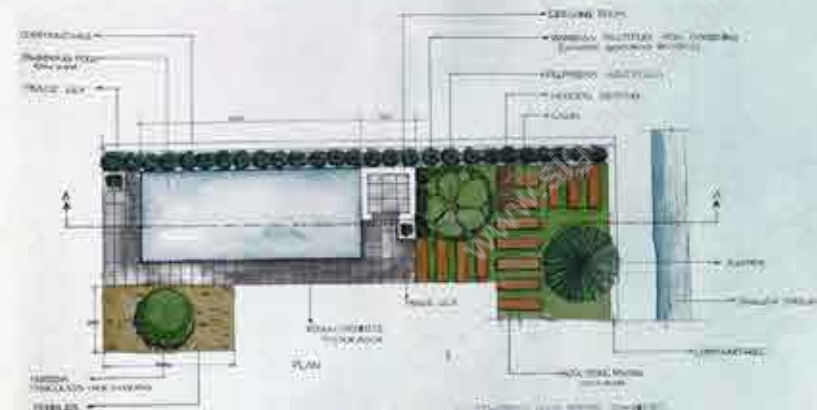
Landscape Plan



Plan at 405cm above GL



Roof plan



Plan & Section of pool

All drawings are hand drawn

Studio 04 Residence Design

Harmony
nature | music

Hospital design

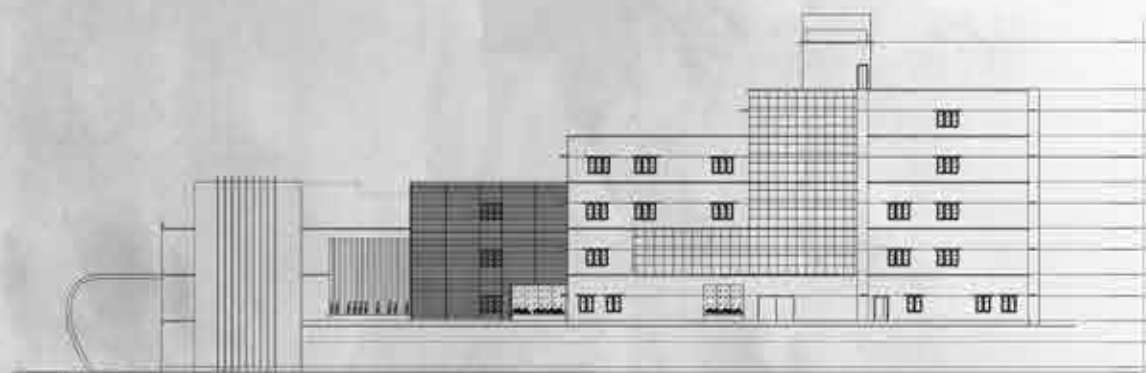
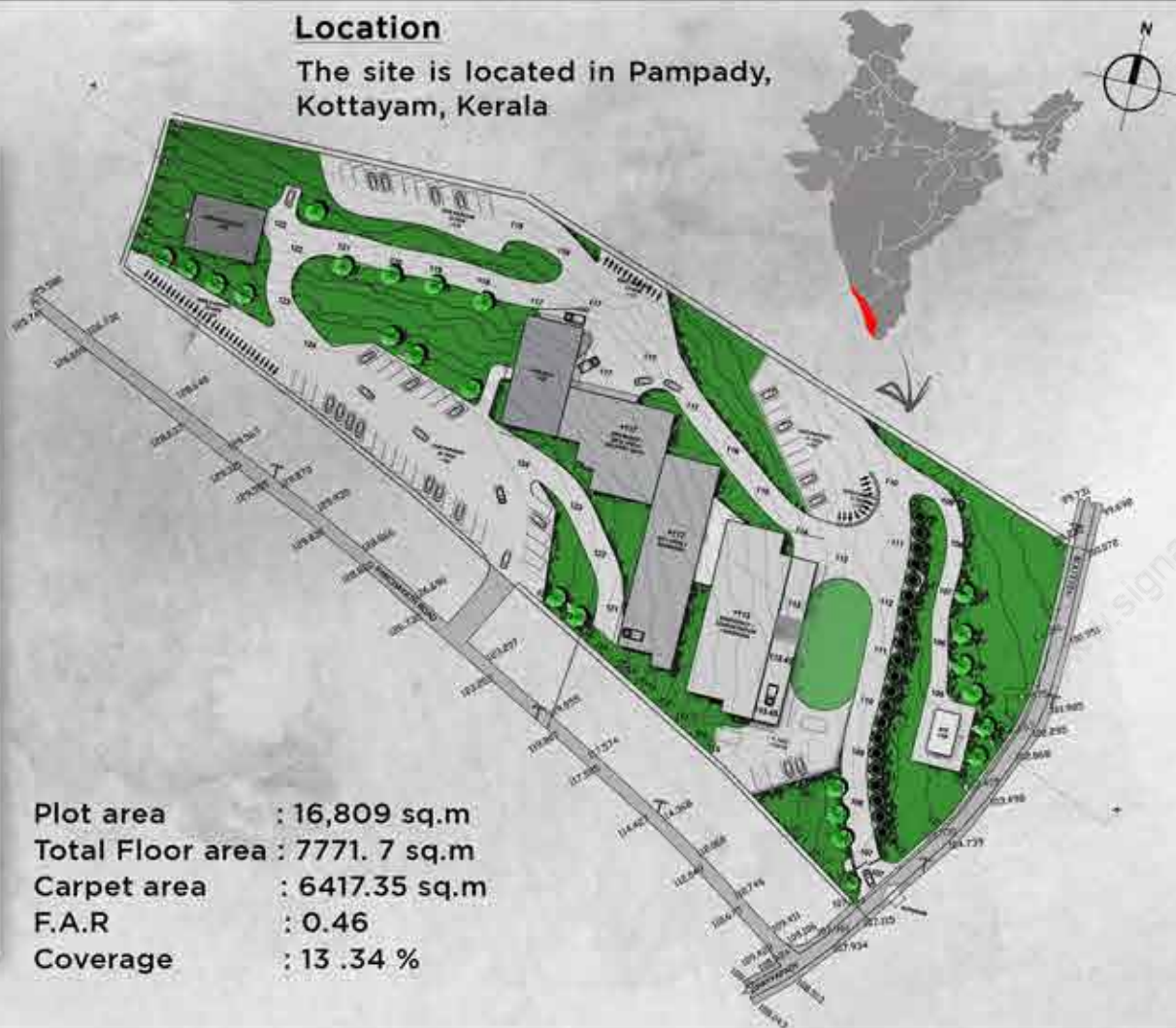
The fifth sem offered a task of designing a multi-specialty hospital for 100 beds, provided, being specialized on gynecology. A lot of attention was laid on understanding construction over contours, as the plot is given was a hilly area in Pampady which had contours up to 25 meters high. Beyond contours, studies went farther to multistoried building construction in a contour plot.

Being a hospital design, it stimulated a close interaction between the rules and regulations of construction and designing.

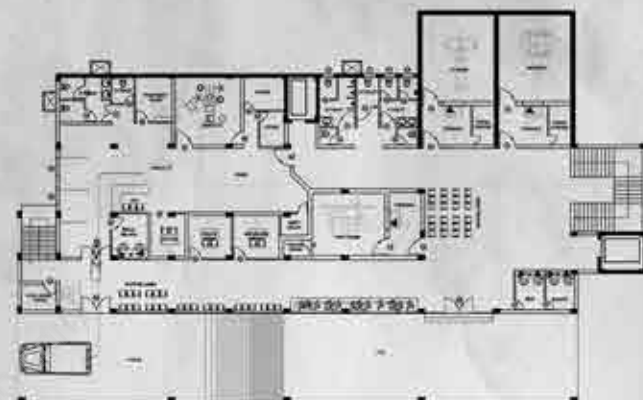
| | |
|------------------|----------------|
| Plot area | : 16,809 sq.m |
| Total Floor area | : 7771.7 sq.m |
| Carpet area | : 6417.35 sq.m |
| F.A.R | : 0.46 |
| Coverage | : 13.34 % |

Location

The site is located in Pampady, Kottayam, Kerala



North Elevation



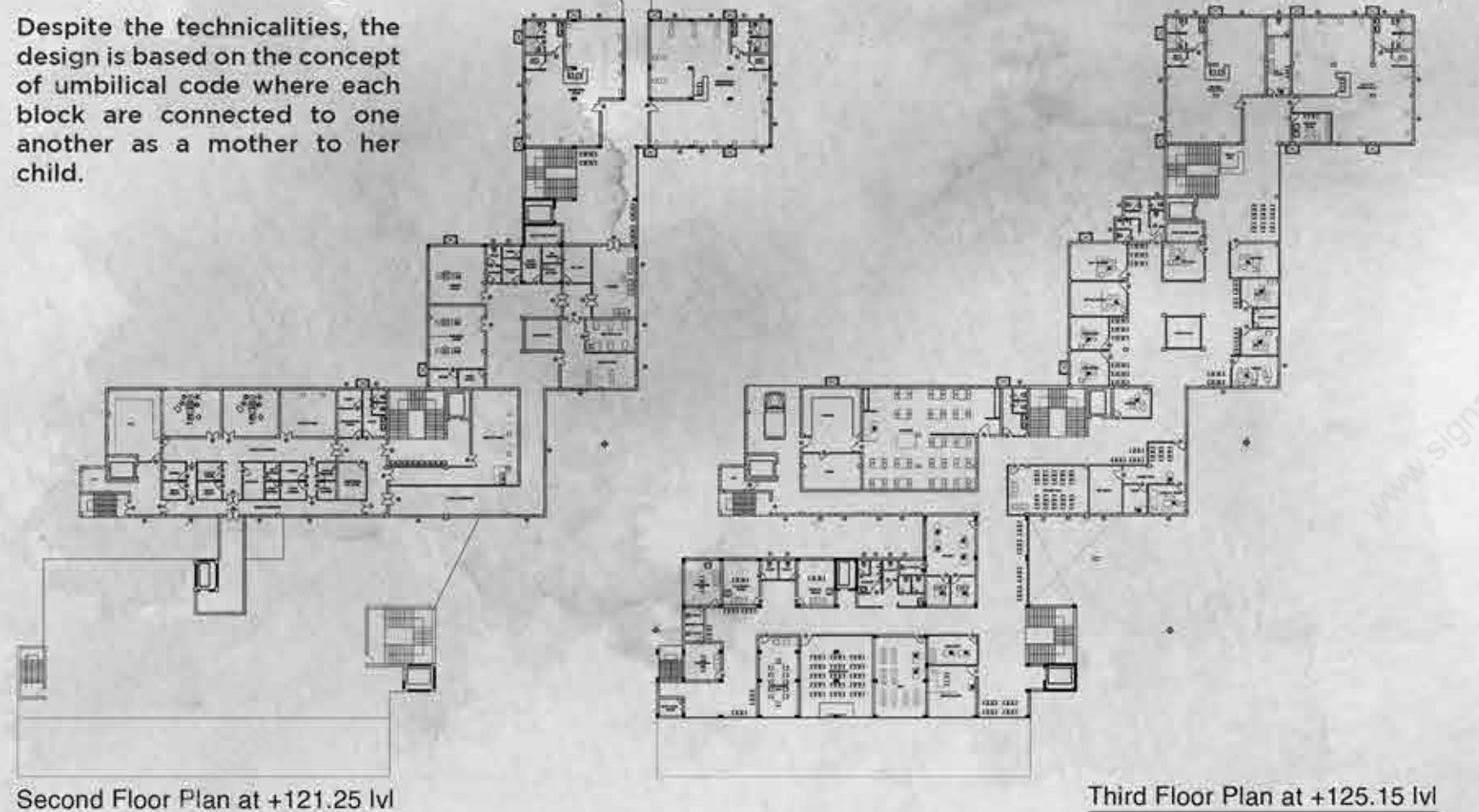
Ground Floor Plan at +113.45 lvl



First Floor Plan at +117.35 lvl

Hospital design

Despite the technicalities, the design is based on the concept of umbilical code where each block are connected to one another as a mother to her child.



Second Floor Plan at +121.25 lvl

Third Floor Plan at +125.15 lvl

Rendered views

Software used : Sketchup |
Lumion | Photoshop



Fourth Floor Plan at +129.05 lvl

Studio 05 Hospital Design



Fifth Floor Plan at
+132.95 lvl

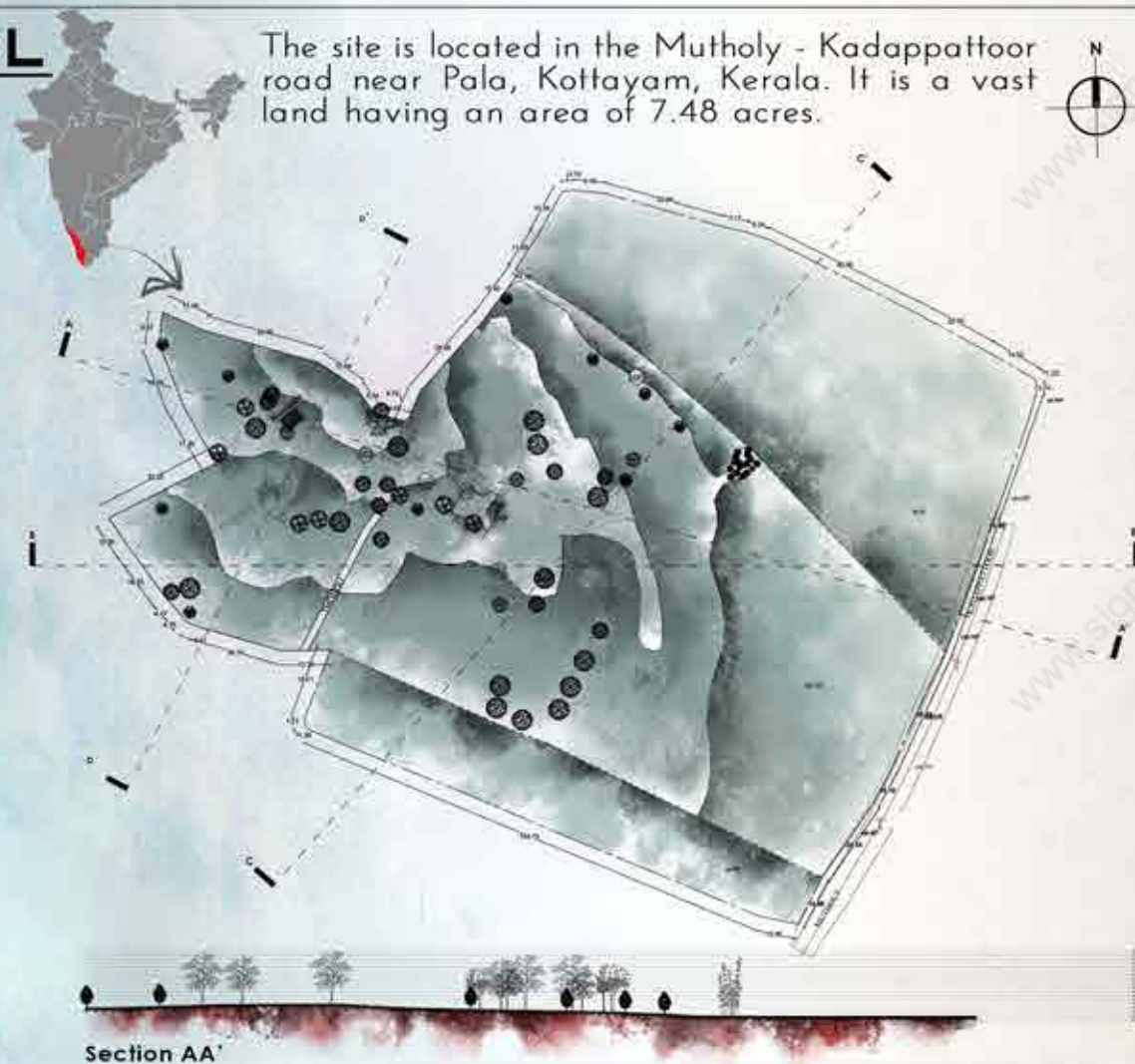


BUSINESS SCHOOL DESIGN

The project of s6 was a Business school campus designing. The project helped to conceive the idea of Campus planning. This fully residential campus stretched across a flat plot of 7 acres. The building alignment and the connection between them were given priority while designing. The campus was supposed to contain 3 batches of 360 students as there were three courses to be taught.

The design was to go parallel with the mindset of the students. A typical business mind's affinity to sharpness and straightforwardness is reflected in the design. Minimized curves and increased parallel and perpendicular lines employes in this design can tune the character of students to the desired form in their business career.

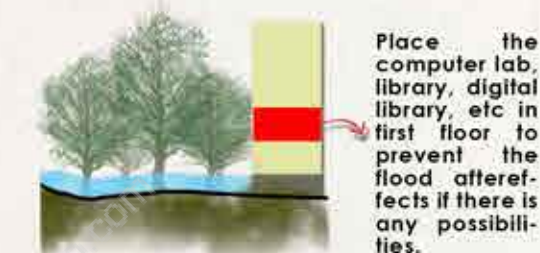
Location : Mutholy, Pala, Kottayam
 9.699022 N, 76.670076 E
 Area : 30,287 Sq. m
 Acres : 7.48 acres



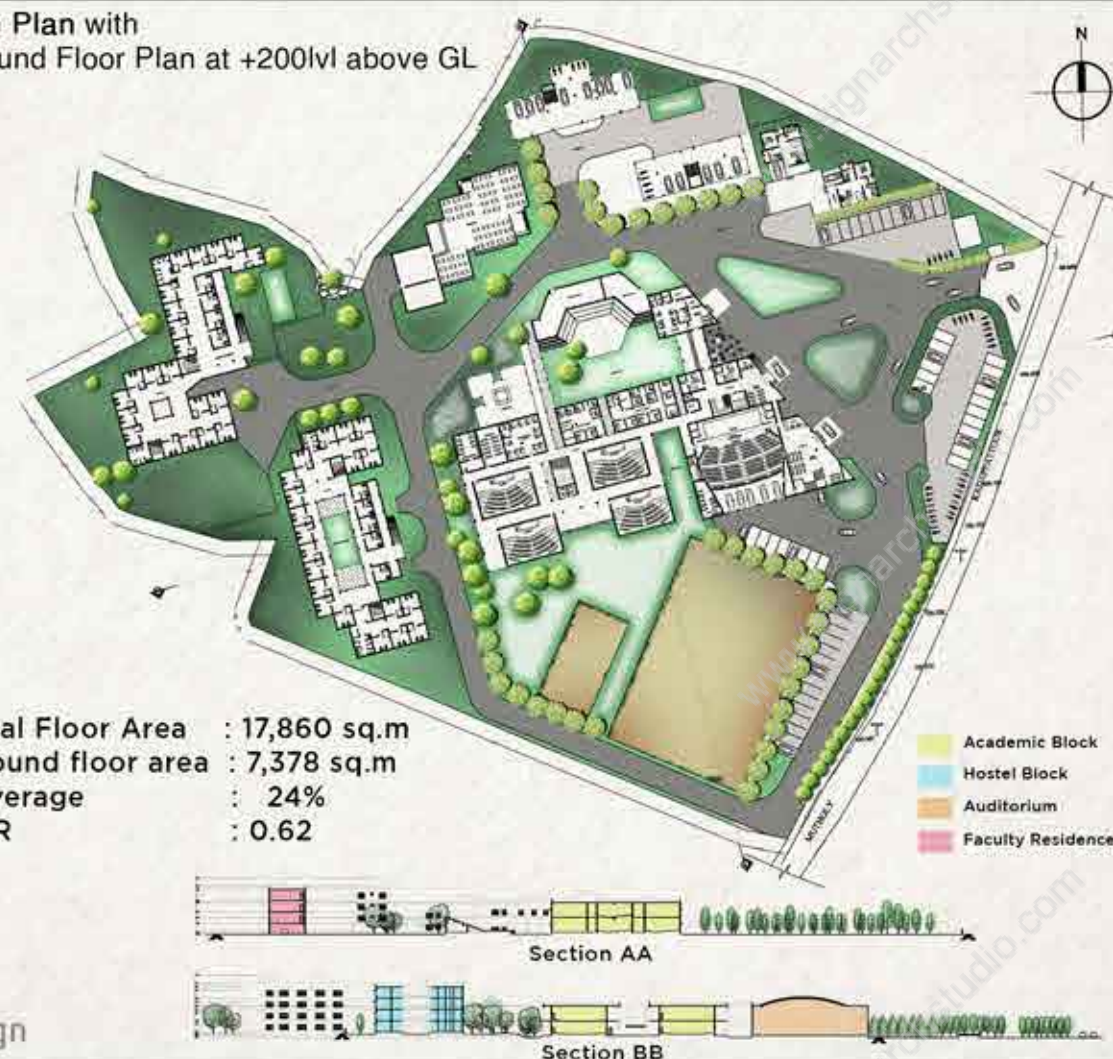
SITE ANALYSIS

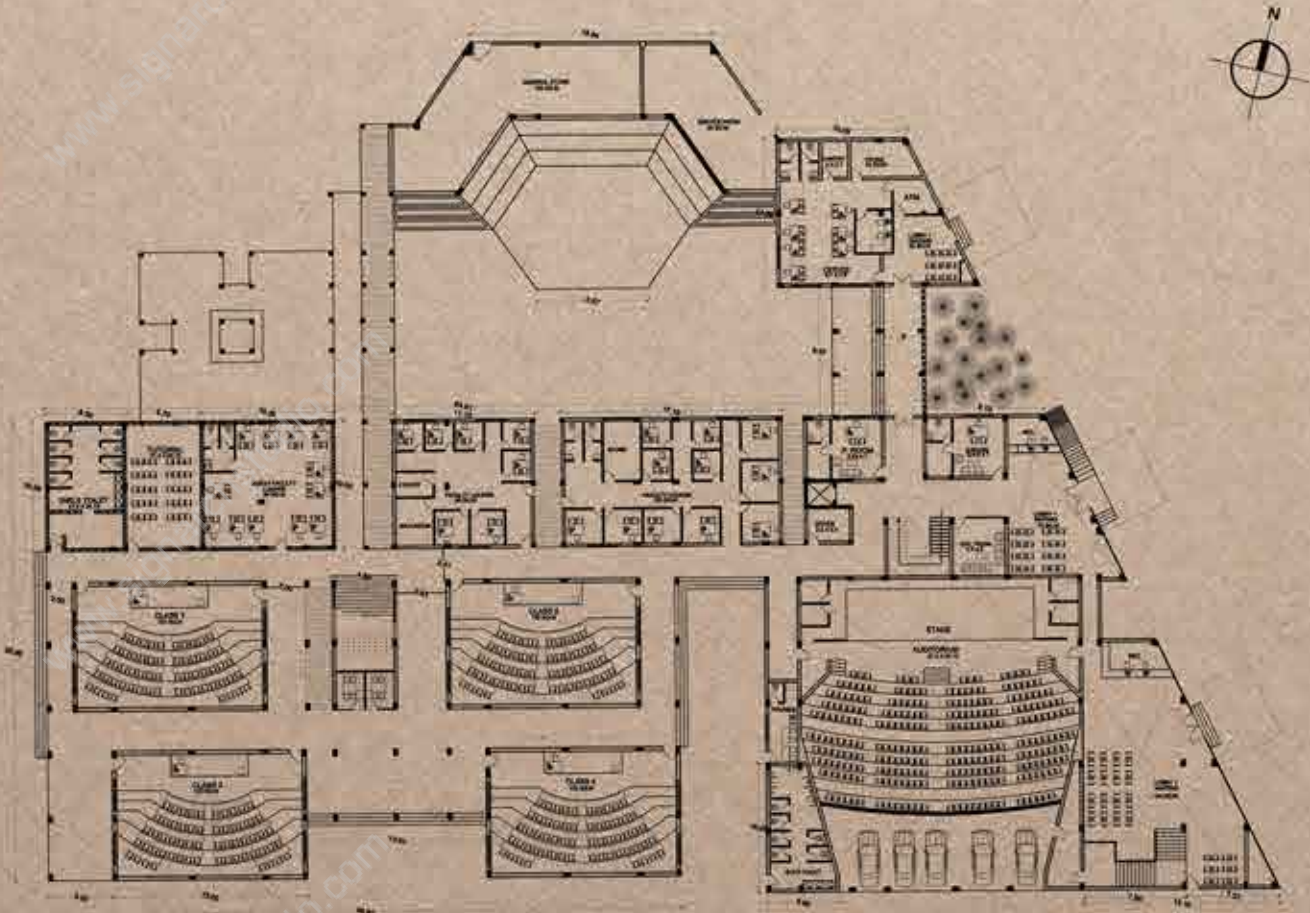


The wind blown from the south west direction will get cooled the influence of Meenachal river.



Site Plan with Ground Floor Plan at +200lvl above GL





Main Block - Ground floor plan

Studio 06



Top view - Front elevation



View From Entrance



View From Amphitheatre

Business school Design **Studio 06**



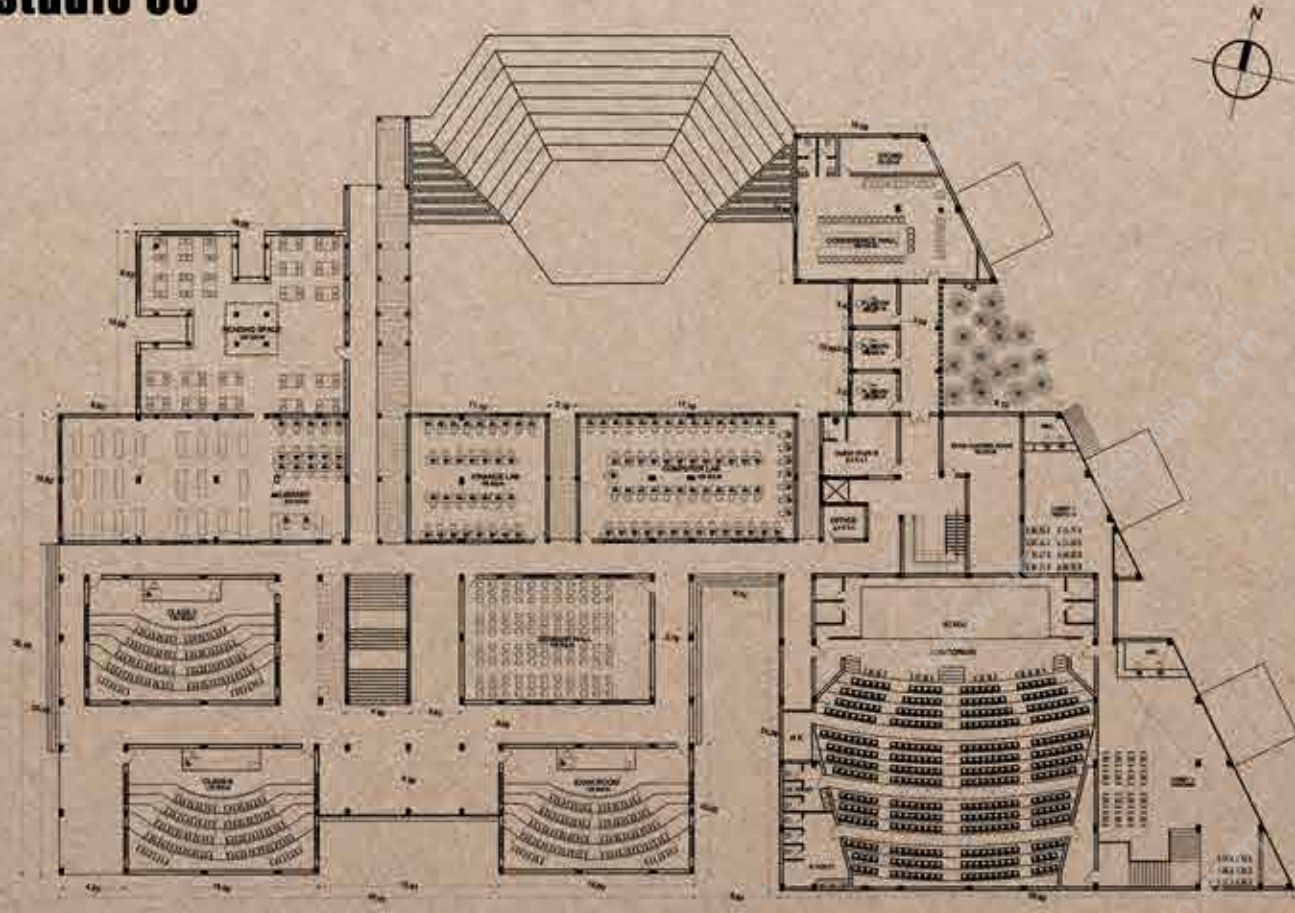
View From Entrance



Pargola Courtyard



Elevation - Front view



Main Block - First floor plan

Business school Design

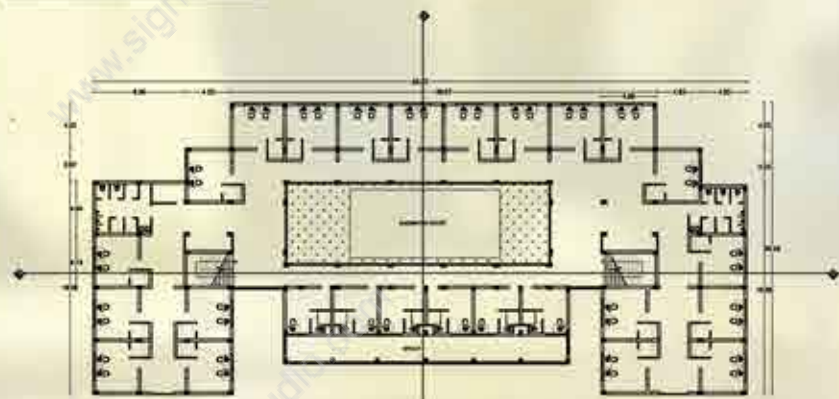
Elevation - Front view

Men's Hostel

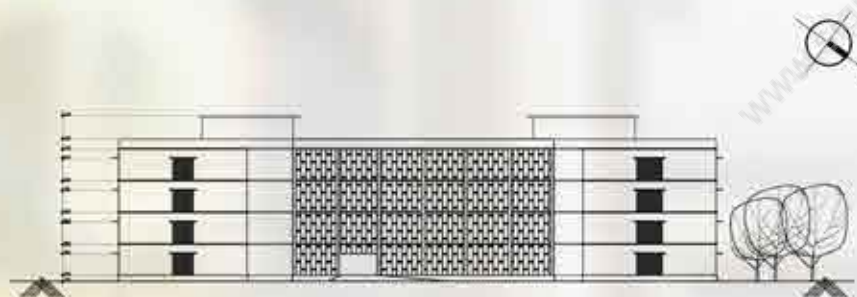
Studio 06 Business school Design

Ladies Hostel

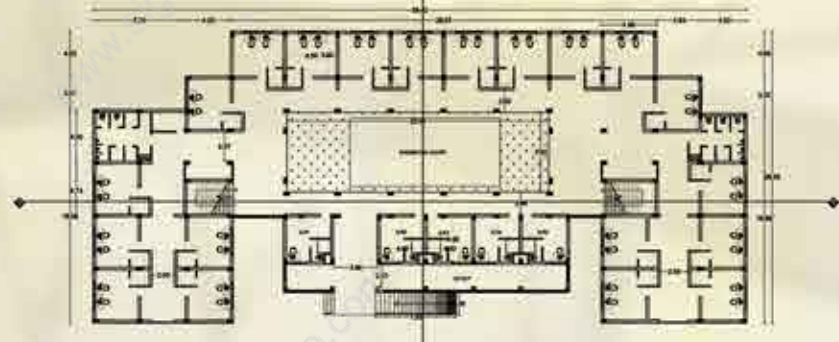
Business school Design Studio 06



First floor plan



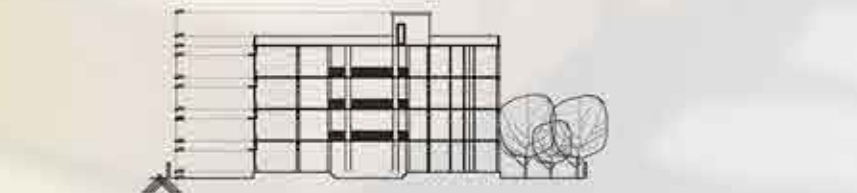
Front Elevation



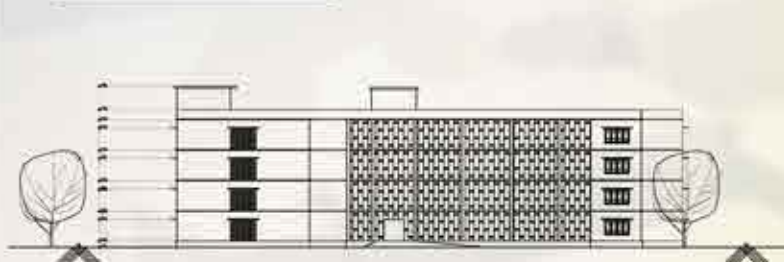
Ground floor plan



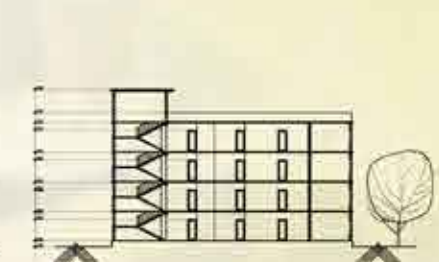
Section AA



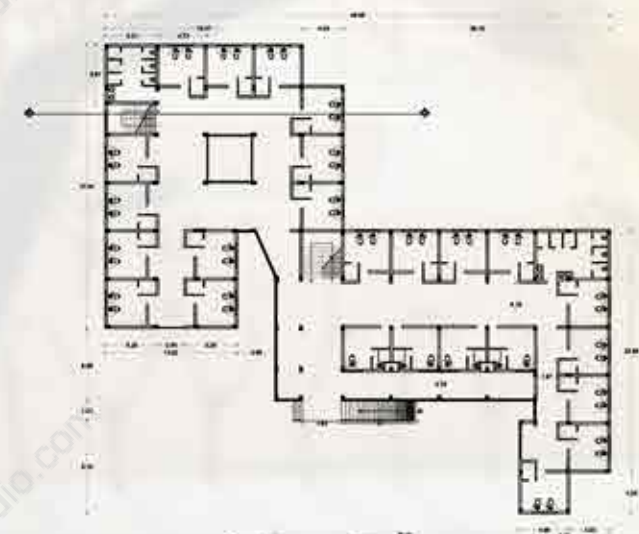
Section BB



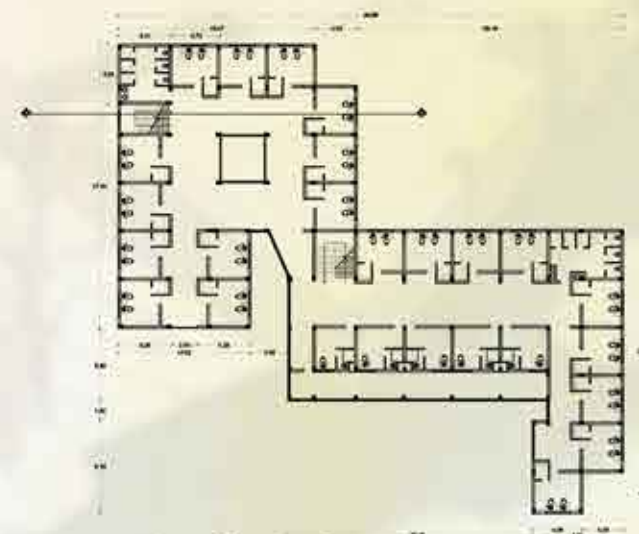
Front Elevation



Section AA



Ground floor plan



First floor plan



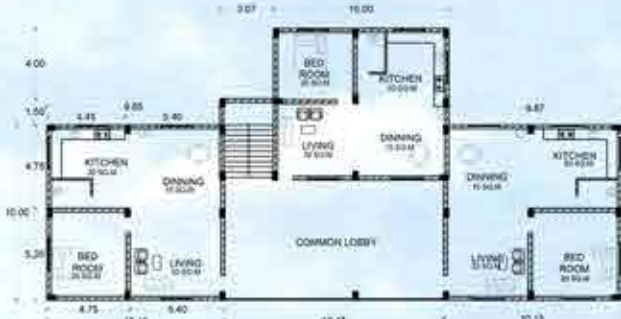
Physical Model



DETAILS OTHER BUILDINGS



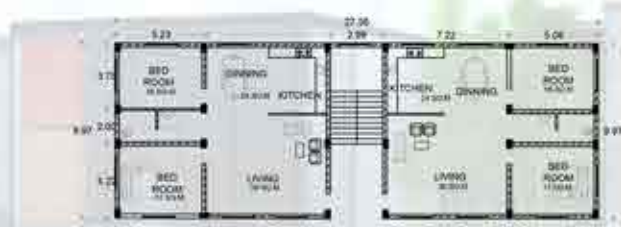
Gym - First floor plan



Faculty housing - Typical floor plan [without family]



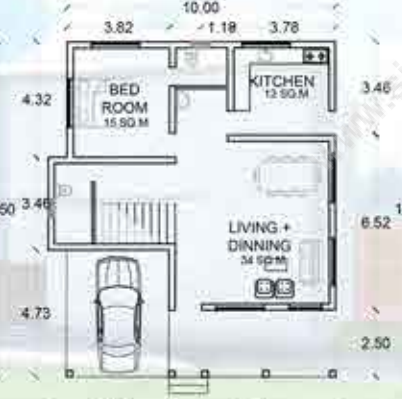
Canteen - Ground floor plan



Faculty housing - Typical floor plan [with family]



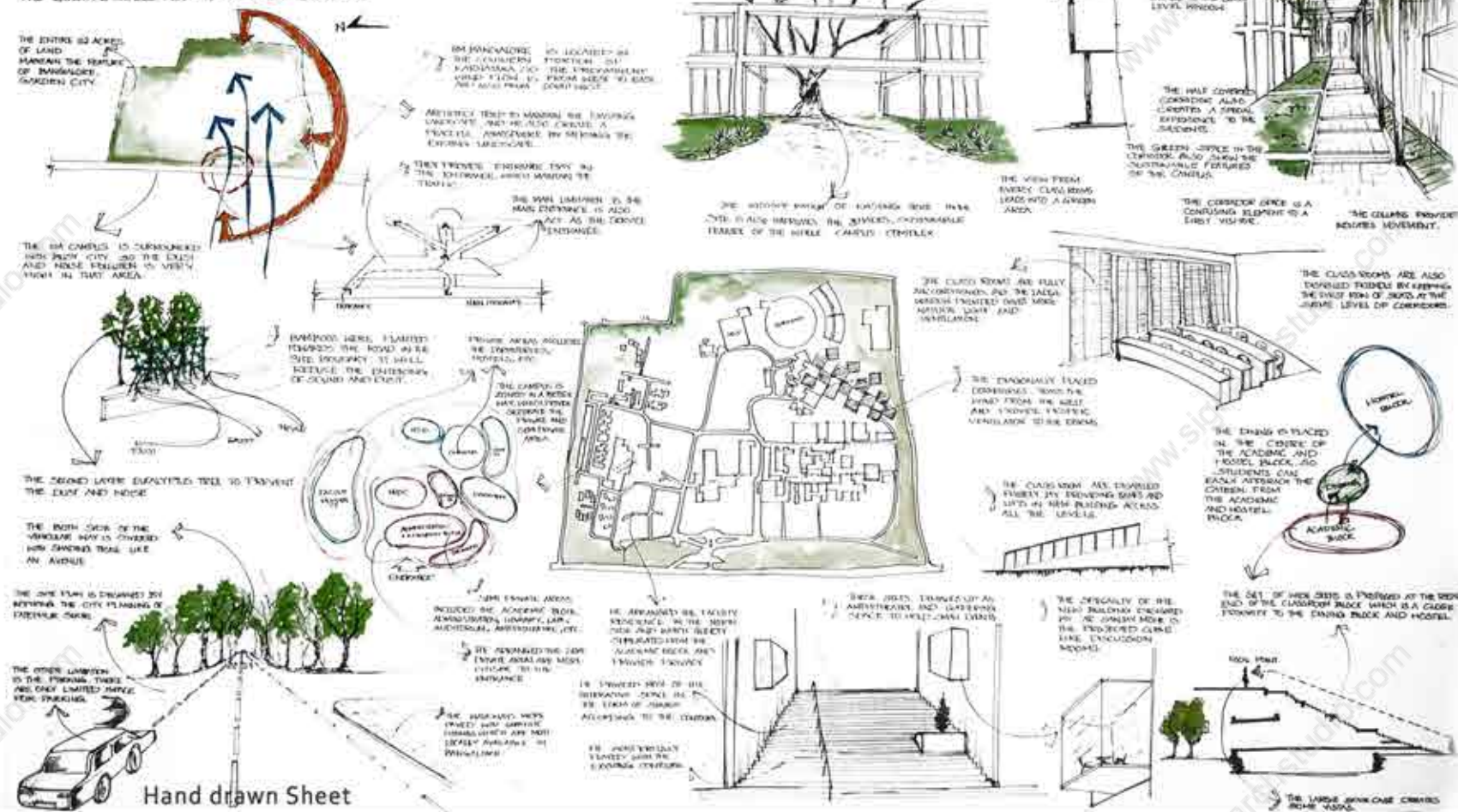
First floor plan



Principal's Housing - Ground floor plan

IIM Bangalore Inference

IIM BANGALORE IS LOCATED IN SOUTHERN HILLY AREA OF BANGALORE ON SWANERHATA. IIM CAMPUS WAS DESIGNED BY THE CELEBRATED ARCHITECT J.V. DOORJI. COMPLETED IN 1952. THE ARCHITECT J.V. DOORJI ACHIEVED HIS VISION BY LINKING A NETWORK OF CORRIDORS, COURTYARDS AND EXTERNAL SPACES ALONG THE TERRACE EXTENSIONS.



Hand drawn Sheet



Stippling

Collage

Abstraction

wedding card

Sculpture

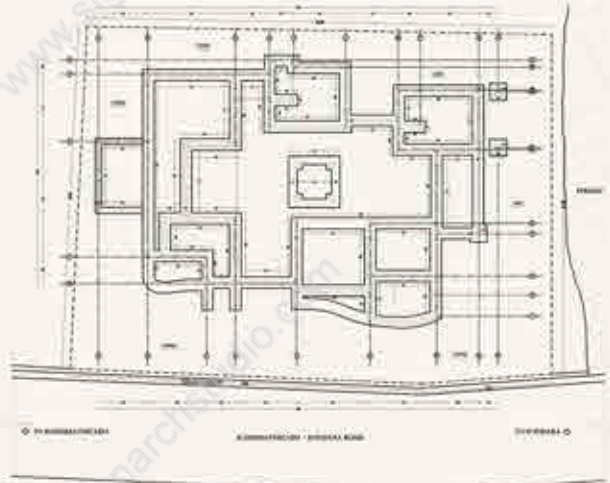
wedding card

Basic design

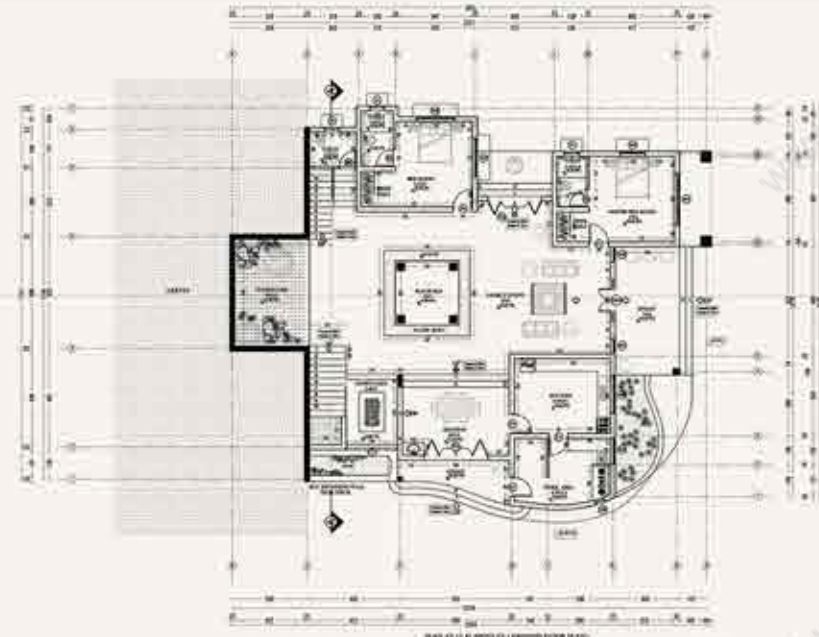


Visual Arts

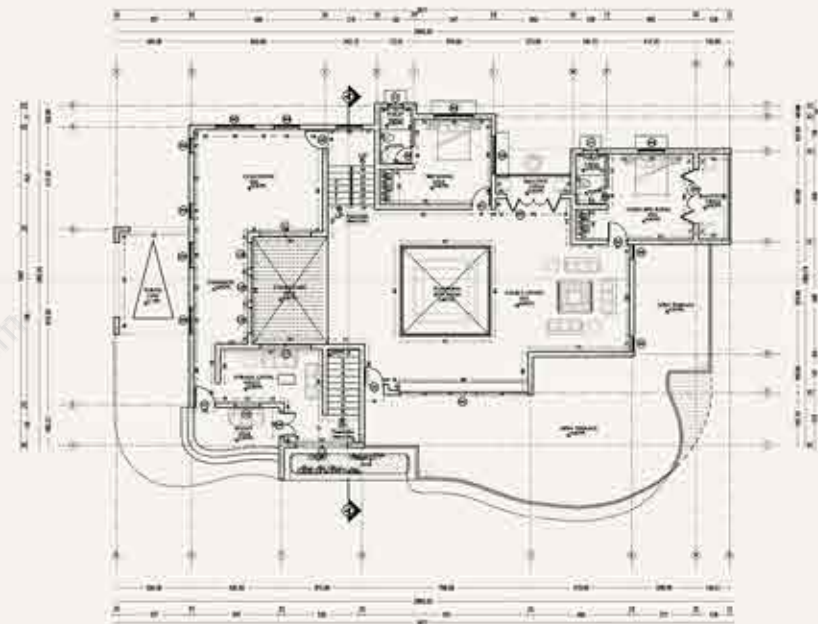
WORKING DRAWING



Excavation Plan



Ground Floor Plan



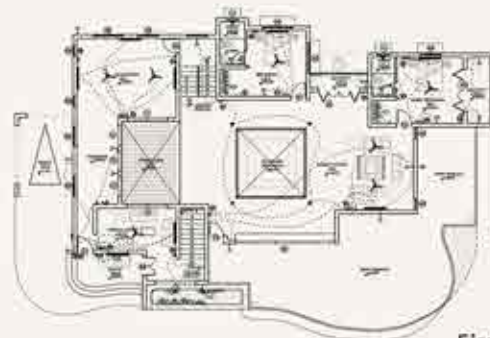
First Floor Plan

Electrical Drawing



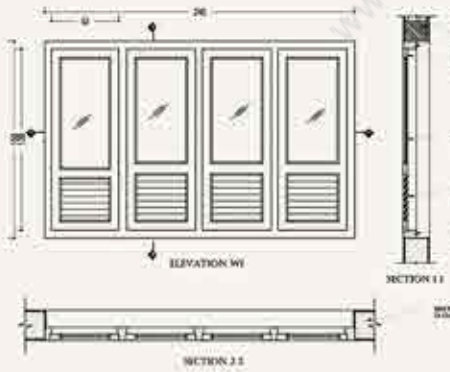
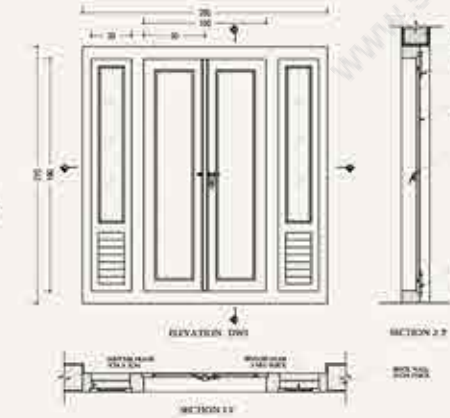
Ground Floor Plan

| SYMBOL | PARTICULAR | LEVEL |
|----------|--------------------|-------|
| [Symbol] | DOOR | |
| [Symbol] | WALL | |
| [Symbol] | WINDOW | |
| [Symbol] | STAIR | |
| [Symbol] | ELECTRICAL SYMBOLS | |
| [Symbol] | ... | ... |



First Floor Plan

Details of door And Window



Submitted By
Ajith Chandran
Roll No: 14 | SE | 2019
Arun Kottayam

GENERAL NOTES
All dimensions shall be checked and compared with structural drawings and any ambiguity shall be immediately brought to the notice of the Architect before the commencement of the work.

SPECIAL NOTES
1. All the wall thickness are 20 cm and 15 cm unless specified.
2. All the dimensions are finished dimensions and levels including finishes.
3. Refer structural drawing for structure details.
4. Follow architectural drawing for dimensions and levels.

SCHEDULE OF OPENINGS

| No | Room | Door | Window |
|----|-------------|------|--------|
| 1 | Living Room | 1 | 2 |
| 2 | Bed Room | 1 | 1 |
| 3 | Kitchen | 1 | 1 |
| 4 | Bathroom | 1 | 1 |
| 5 | Hall | 1 | 0 |
| 6 | Stair | 1 | 0 |
| 7 | Verandah | 1 | 0 |

WORKING DRAWING

RESIDENTIAL BUILDING
RESIDENCE FOR :
Mr. RAGITHALAL KUZHIMATHICADU |
KOLLAM | KERALA.

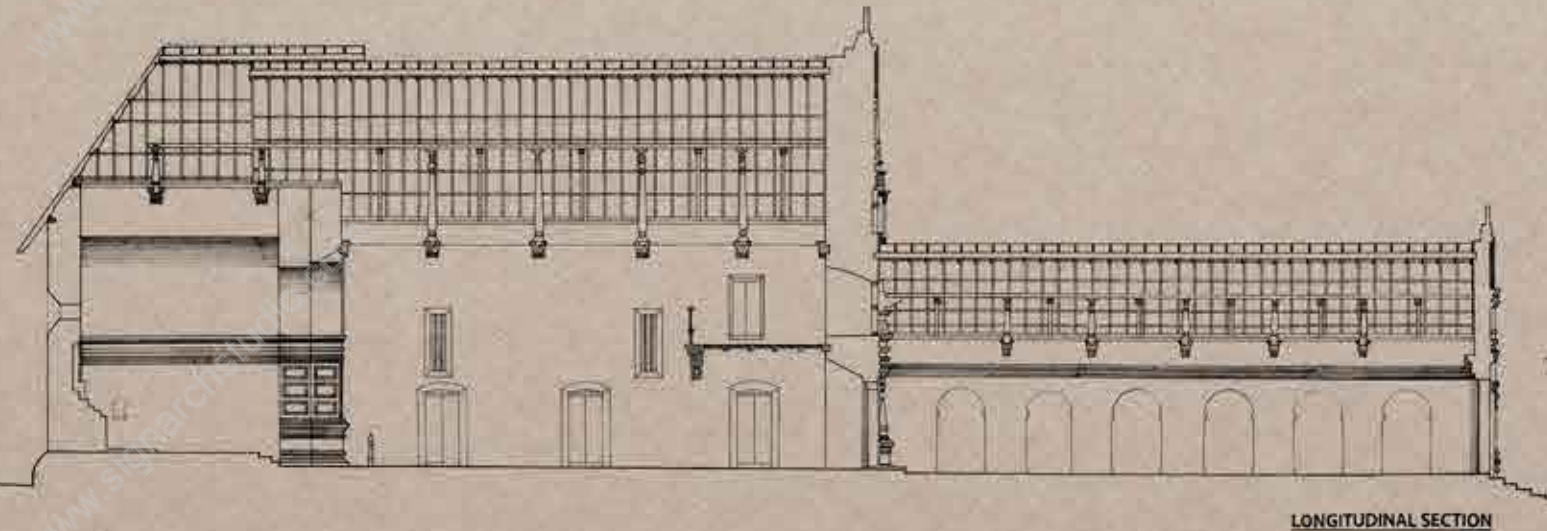
FLOOR PLANS

NOT TO SCALE

ALL DIMENSIONS ARE IN CM.
DESIGNED & DRAWN BY :
AJITH CHANDRAN
ROLL NO: 14

PAPER SIZE : A1
DATE : 30-04-2019
SHEET NO: 4

DOCUMENTATION

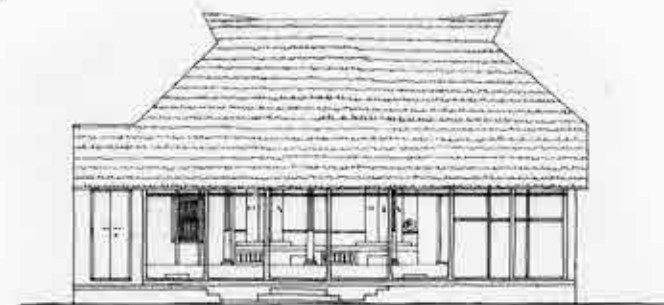


LONGITUDINAL SECTION CUT LONG THE MIDLINE OF THE CHURCH'S PLAN SHOWS HOW THE HEIGHT OF THE STRUCTURE INCREASES AT THREE CONSECUTIVE LEVELS. THE IMBATUCHUVAR OR DOUBLE WALL CONSTRUCTION TRADITIONALLY USED AS FIRE INSULATION AND TIME LAG FOR HEAT TRANSFER HAS A THICKNESS OF MORE THAN ONE METER MAKING THE WALLS OF THE CHURCH MASSIVE IN TERMS OF THICKNESS.

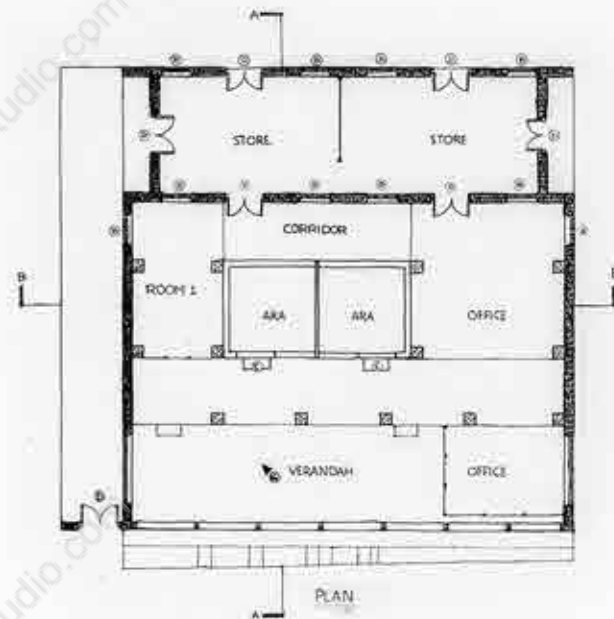


കുടുംബ കരുണാകരൻ കമ്മ്യൂണിറ്റി കെന്ദ്രം
Kaldaya Charitham
 DOCUMENTATION OF MARTH MARIAM VALIYAPALLI
 COMPLEX THRISSUR

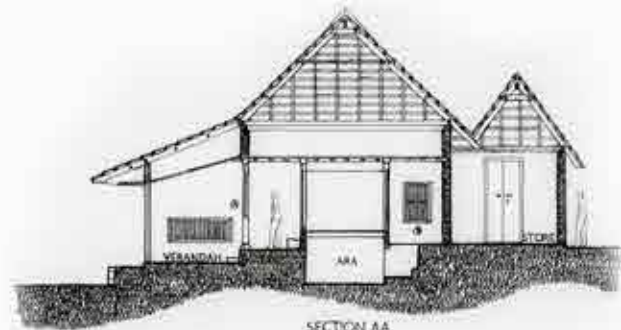
53 2016-2021



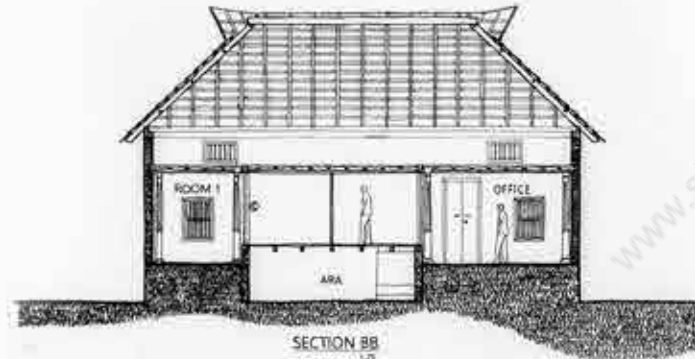
NORTH ELEVATION



PLAN



SECTION AA



SECTION BB

Settlement study



DETAIL E

DETAIL F

MARKET STREET AT ATHIRAMPUZHA

SETTLEMENT STUDY
 SEMESTER IV | 2018 | MASAP



B1

THIS BUILDING IS A WHOLESALE SHOP OF TEA AND COFFEE POWDER OWNED BY KUTTIYIL FAMILY. IT IS MORE THAN A HUNDRED YEARS OLD AND IS LOCATED RIGHT NEXT TO THE MARKET CHAPEL. INITIALLY IT WAS A MEDICINE SHOP AND LATER USED AS A RATION SHOP. THE GROUND FLOOR HAS 3 LEVELS AND IS USED AS OFFICE SPACE AND STORAGE. THERE IS AN ATTIC SPACE THAT WAS INITIALLY USED FOR RESIDENTIAL PURPOSE. THE FLOOR OF ATTIC SPACE HAS A FINISH OF TERRAZZITA TILES LAID OVER A PORTLAND TYPE OF LEAVES HAVING AN INTERESTING QUARTZ. IMPORTED FROM ANDHRA PRADESH. THE WALLS ARE MADE OF LATERITE STONE WITH LIME FINISH AND TEAK WOOD IS USED FOR INTERIOR FINISHES. THERE IS A BASEMENT UNDER SPACE UNDER THE GROUND FLOOR WHICH WAS USED AS STORAGE EARLIER.

Sheesh

Pendant Lamp Design

The basic idea of the lamp was inspired from Turkish lamps which is highly ornamented in mosaic or mirror works and is also circular in shape.

The spiral form of the lamp is derived from the twisted half circle. The name sheesh is given for the lamp since sheesh means mirror in Hindi.

By the appearance of the mirror work in lamp we can say that sheesh is the perfect name for the lamp.

Concept Evolution



One of the most wonderful works with sheesh [mirrors] in Amer Fort, Jaipur.



The ever beauty Turkish lamp.



Sheesh also creates a play of light and shadows in the room. It creates magical effects, casting shadows in the form of assymmetric shapes. This is created when light flows through the broken glass pieces.

PROCESS

While making the lamp we had gone through a lot of process



Later we pasted broken mirror pieces on to the casted shape



To prevent the sharp edges from hurting we covered the remaining areas with plaster of paris.

It also produce a wonderful shadow effect during lighting. It will create a wonderful mood to the user.

Decorating with shadows may not be popular but they create the most unique atmosphere.

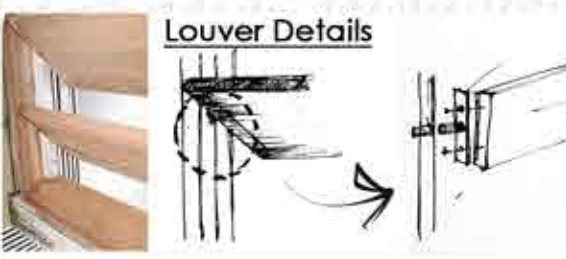
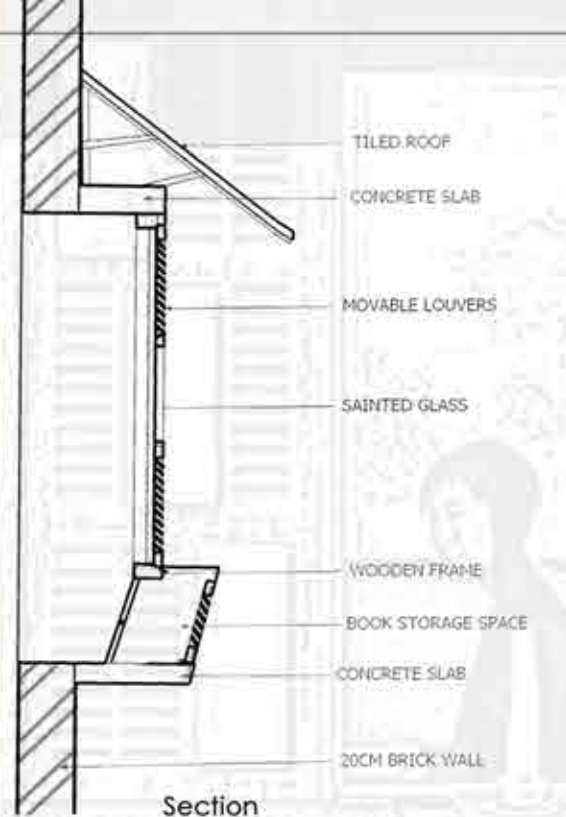
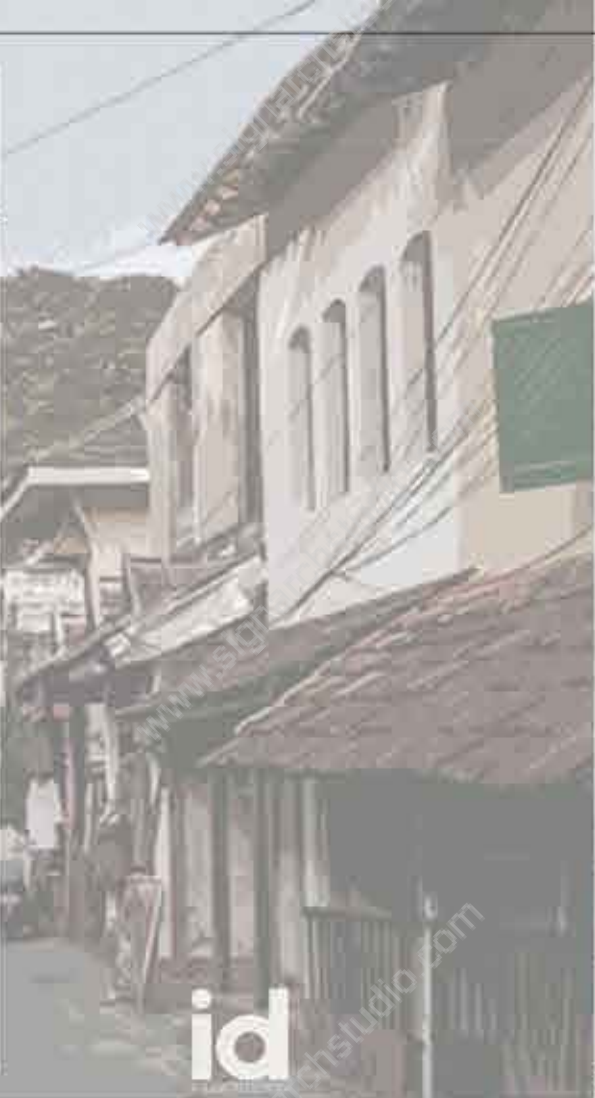
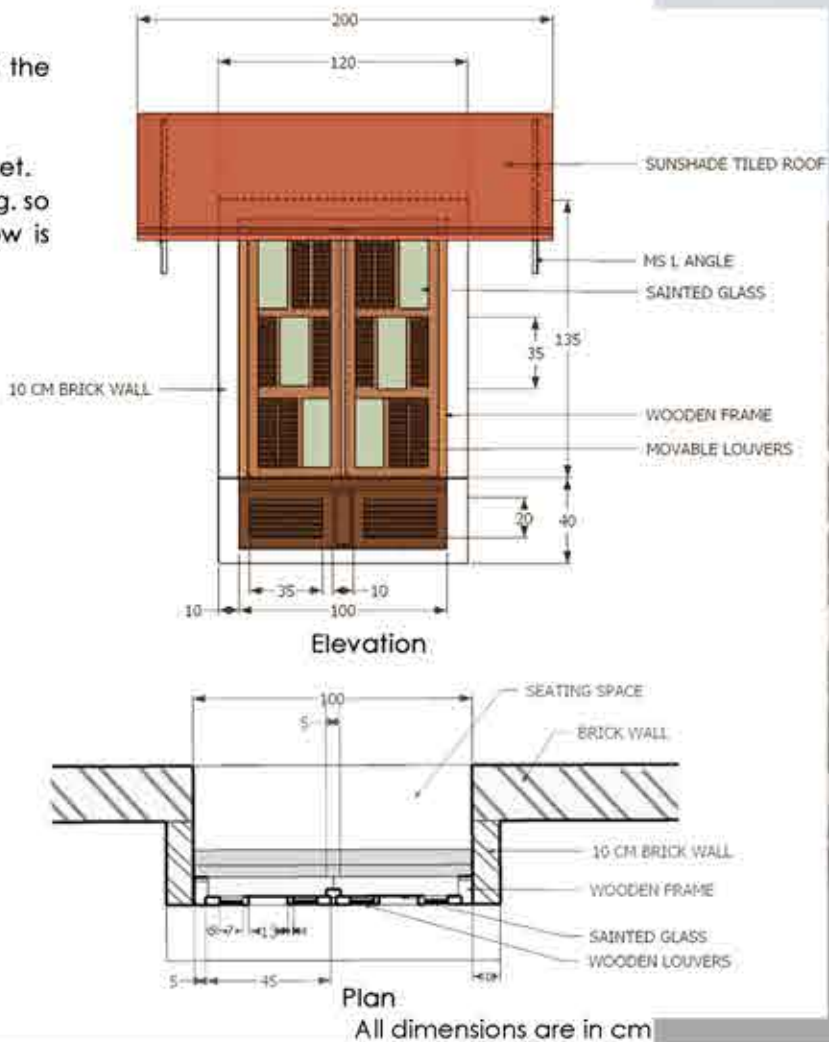
First thing we did was the casting of the metal frame in the spiral shape which was the most difficult step.



Window Design

The window is designed for a reader who living in the colonial streets like Fort Kochi.

The context of the window is the clam colonial street. The reader likes to sit near the window while reading, so that she can enjoy the views outside. the window is placed in the first floor of the building.



The projection facing towards the street act as a handrest and tea cup holder to the reader.

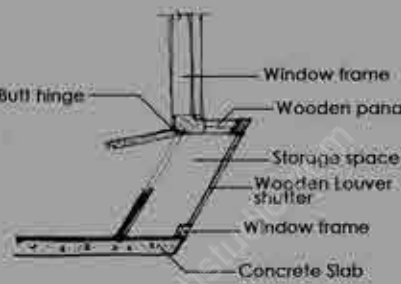
There is bay space arranged in the window, there she can sit comfortably and enjoy reading with a nice street view.

Material used
Wood, roof tile, M S L-angle, stained glasses.

The wooden louvers are adjustable. The wooden louvers and stained glasses are given, so that the reader can see everything outside and it also provides privacy to the reader if needed.



Storage Space Details



3D RENDERINGS

Softwares used : 3DS max | Rhino | Grasshopper | Keyshot



OTHER WORKS



Logo design for college House



T shirt design for college



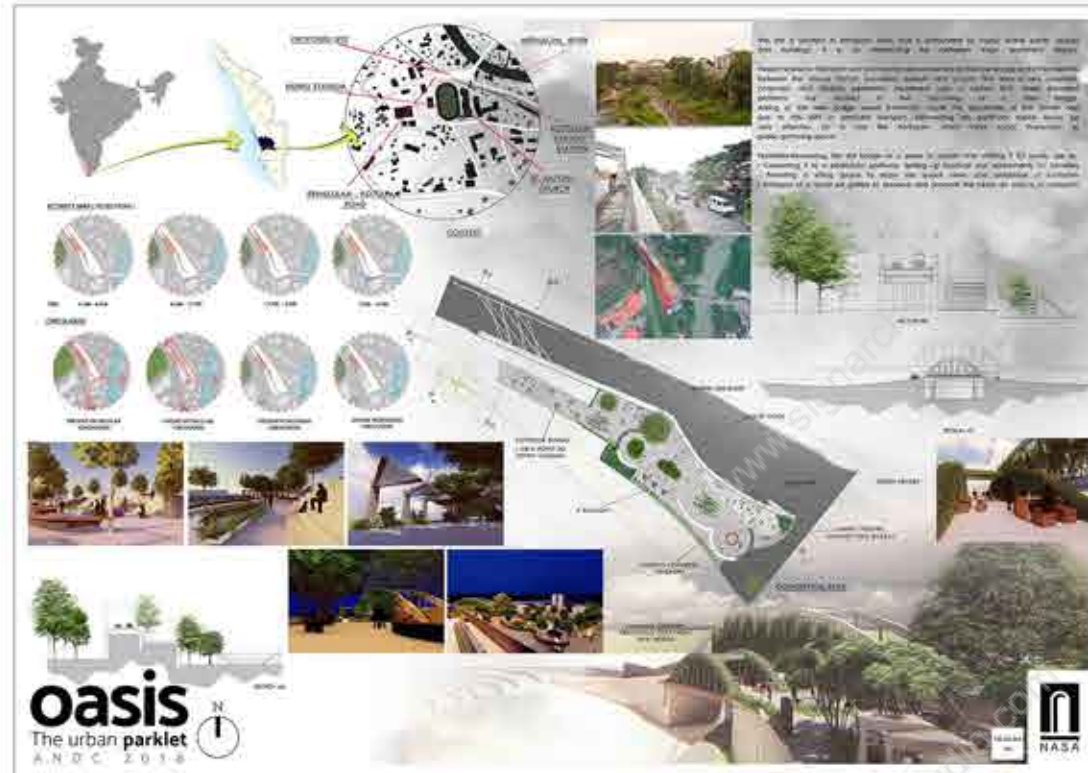
Logo design



On going outside work

ANDC Sheets

The Design programme intends to explore, identify and re-interpret the liminal space in the respective context with a vision to inform a society



Photography



I find my photographic skills focusing on portraits and landscapes as my interests swings between either to capture emotions or to freeze the natural world on a moment of wonder. The frames usually tend to include a specific spot rather than stretching across distances.

Artistic photography







Thank you 

Participa