

# architecture **portfolio**

by rameez raja

2017/2023

resume



rameez raja

25 | october | 1997

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hello!

Myself rameez raja graduated as an architect at Mcgans Ooty school of architecture. Iam seeking an opportunity to maximise my knowledge in all aspects of design by broadening my experience in architecture and to face the practicalities involved during the translation of projects into sensitive realities. I present you some of my design works that demonstrates my creative intrest.

education

scholing  
2013- modern higher secondar school,  
pudukottai  
diplomo  
2016-mar polytechnic college , pudukkottai

language

tamil  
english  
malayalam

individual academic works

cottage- second sem  
school- third sem  
greatric care centre- fourth sem  
co-working,co-living- fifth sem  
multi speciality hospital- sixth sem  
special economic zone- seventh sem

team works

village survey-chitkul,Himachal-third sem  
urban study-mysore

personal intrest

sketching  
model making  
travelling

software

drafting/3d  
AutoCAD  
Revit  
sketch up  
rendering  
Lumion  
vray  
post production  
Adobe Photoshop

iam always glad to enlarge my possibilities  
by improving and learning new softwares.

work experience

form space studio, trichy  
arcane space, trichy  
lance studio, trichy

## contents

1-geriatric care

2-co-living

3-multi speciality  
hospital

4-special economic  
zone (sez)

5-garden

6-works at  
lance studio, trichy  
arcane space, trichy.

7-thesis



# 01

## greatric care

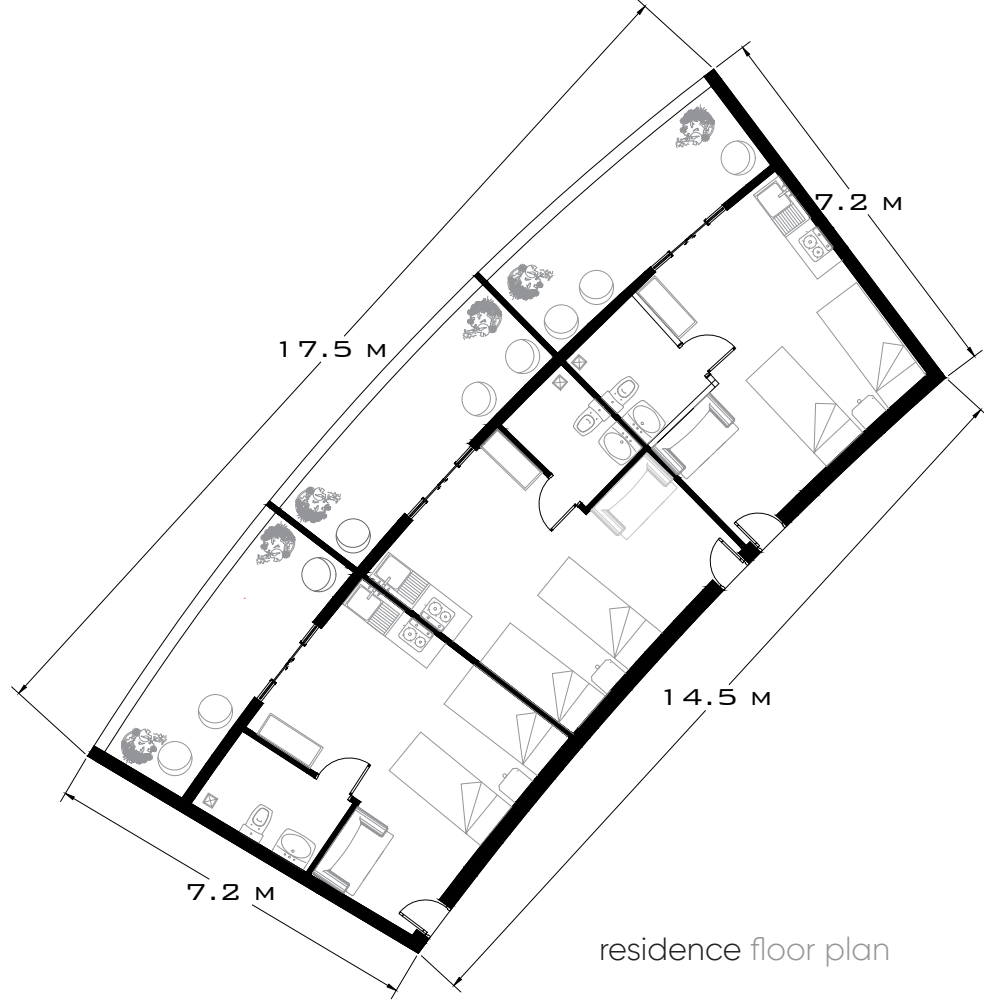
skills

the floor plans were drafted on cad,the 3d model on revit and the renders on lumion.

a good design can help to tackle lonelinessand improve the quality of life. the sedign includes generous space standards, daylight, and adapt-ability for care readiness to the engage positively with the public. there is a communal garden spaces of hard and soft landscaping, and a shared colonnade acts as a slow circulation space. In-built sliding glass doors to allow the use of the balconies year round. clinics and therapies are within.



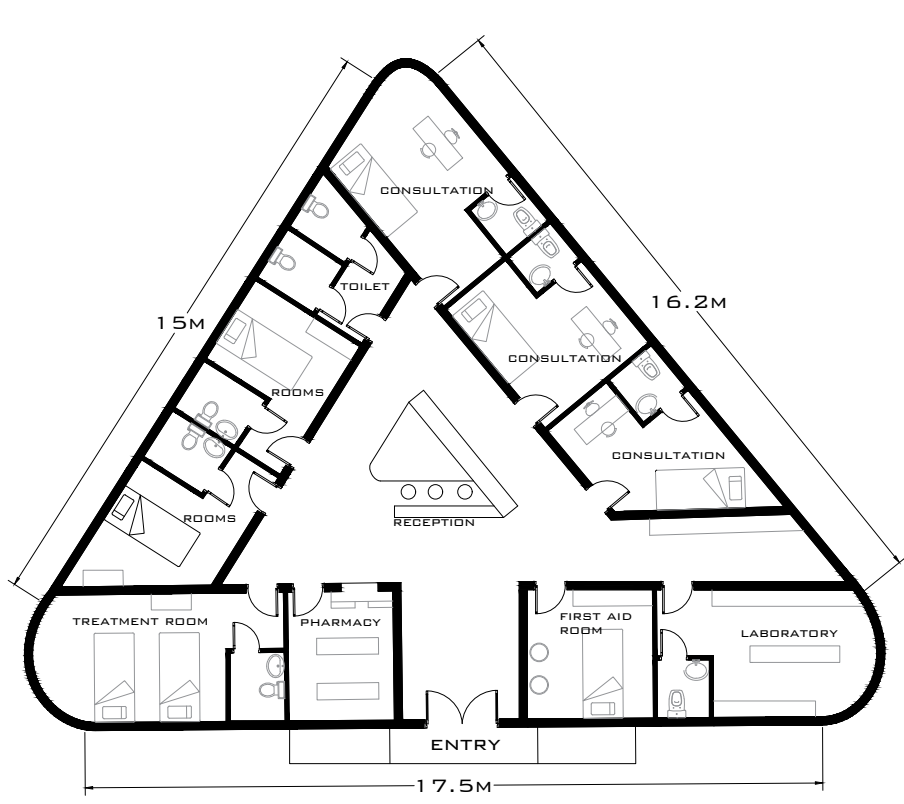
render image



aging is closely related to lifestyle, location, and social groups. each living unit has its own pantry and living. there is a private balchony where they relax and get some fresh air. the living is enclosed by open landscapes.the design is universal, the physi-cally disaibled can experience the space without any barrier.



render image



clinic floor plan

there is a clinic within the complex. there can be regular check-ups and medications, without any delay. the design meets all basic needs for the elderly. a community gets created, and they intract within them. architecturally the spaces are provide in concern with their anthropometry .



render image



# 02

## co living

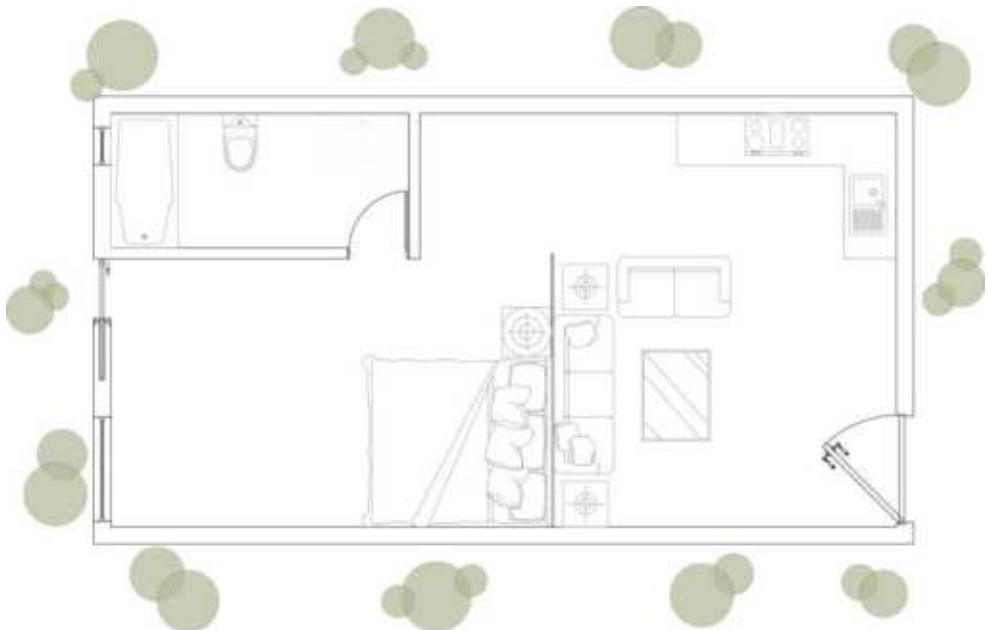
skills

the floor plans were drafted on cad,the 3d model and render on revit.

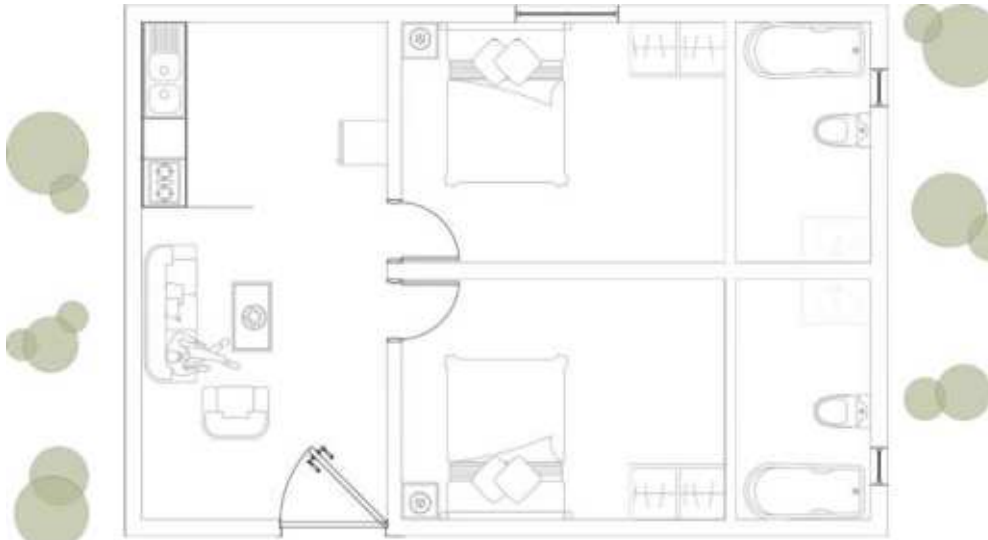


render image

Co-living unit plans are designed in such a way that there is a balance between private and shared spaces. each plan consists of a common kitchen and living room, this is the main concept. there are studio apartments, single occupancy, double occupancy and other common requirements like laundry, gym, etc.



single occupancy floor plan



double occupancy floor plan



studio apartment floor plan



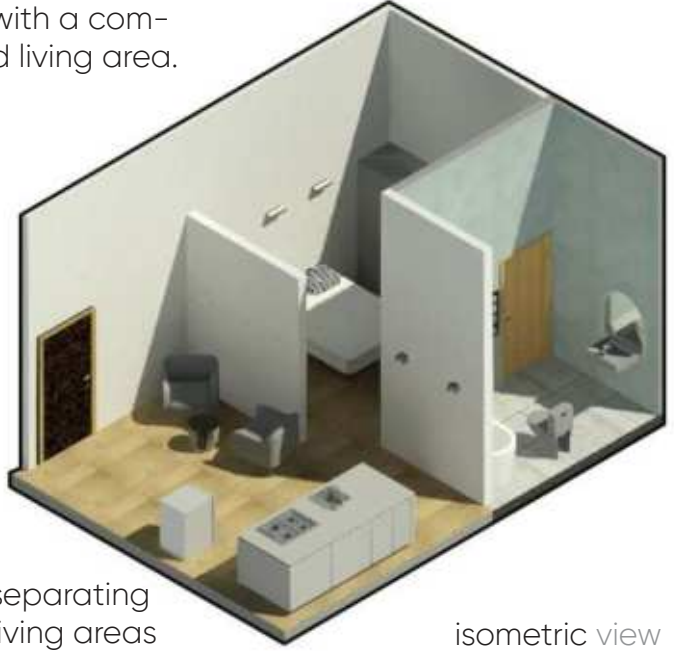
the single occupancy is a compact living, with all basic needs required for a single person.

isometric view



isometric view

the four occupancy is ment for four people with a common kitchen and living area.



with no walls separating the sleeping, living areas and kitchen is the studio apartment

isometric view



# 03 multi-speciality hospital

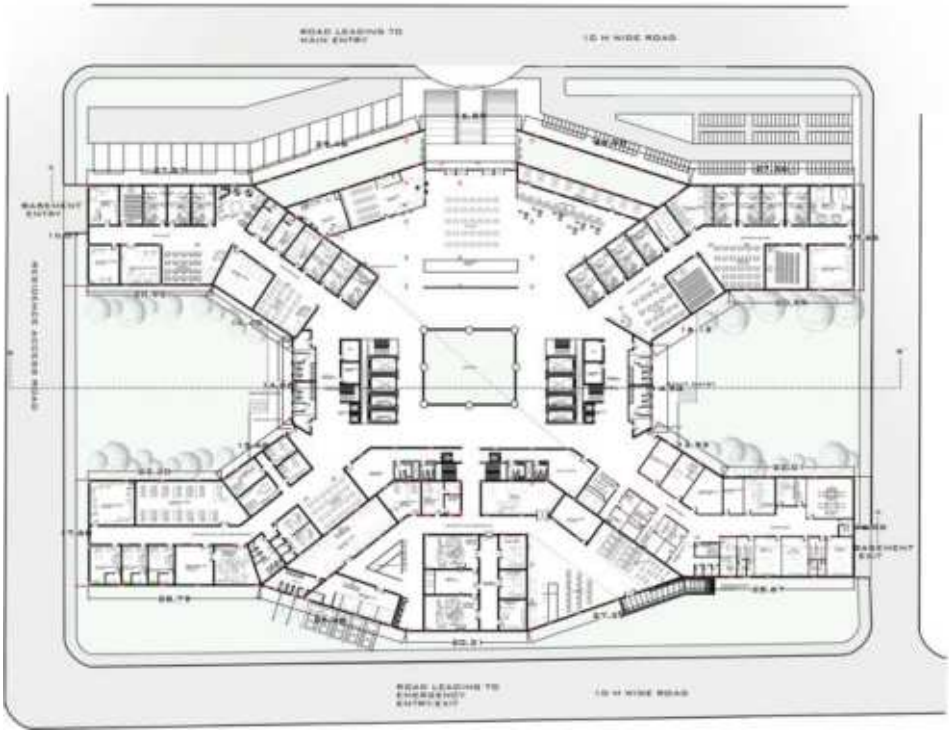
skills

the floor plans were drafted on cad,the 3d model on revit and the renders on lumion.

the hospital design holds many functions for users like, patients, families, staff, and doctors. the primary focus is on the patients and their families. the entries and approach to the building has been looked into, the shortest and straight roads are mostly preferred. being a multispeciality hospital the place seems to be crowded most of the times. the roads are spacious enough that there is no chance for an internal traffic.



render image

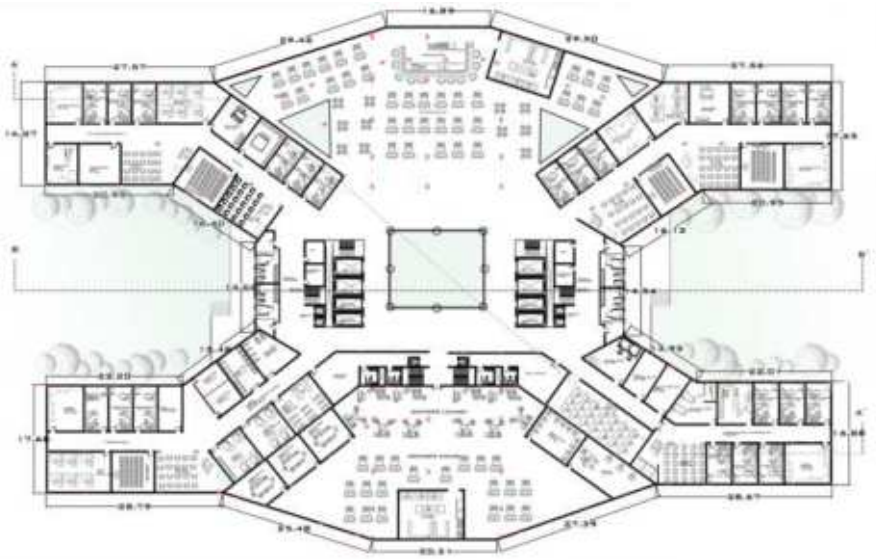


hospital ground floor plan

the hospital can be easily accessed by people of different age groups. the planning is made in such a way that a first-time visitor can walk through a space without any aid. each department falls on each wing, this avoids confusion. maximum possible day light is brought into the building. there is a central atrium which is a positive distraction.



render image



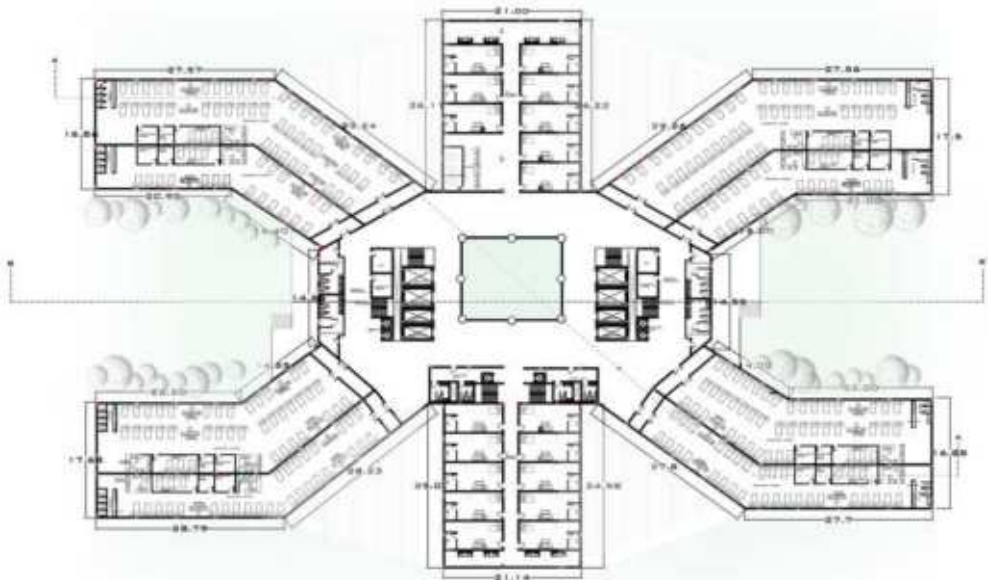
hospital first floor plan

designing a circulation and planning diagram that allows the separation of goods and services from patients and their families, both vertically and horizontally. the patients core is separated from the service core. the users feel comfortable in all aspects, from entry, testing, consultation, etc till the exit.



render image



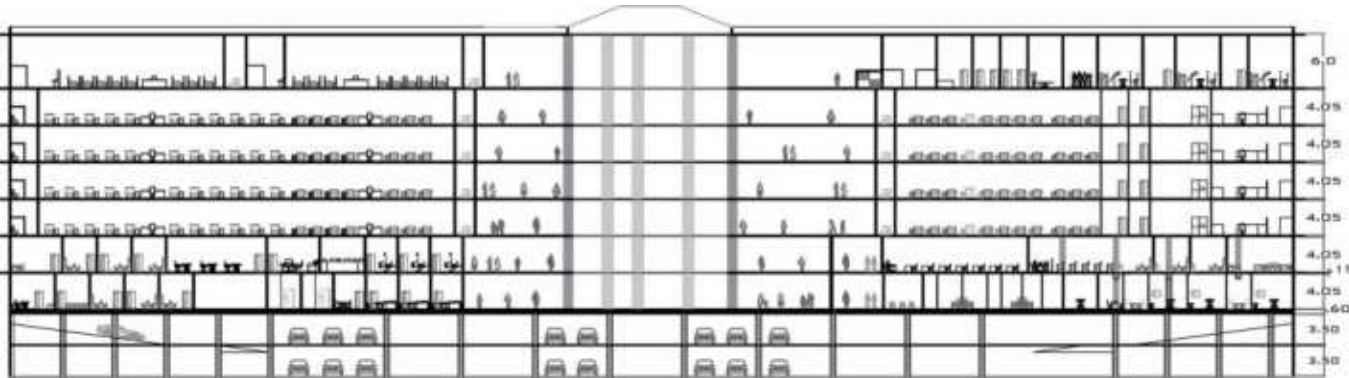


hospital third floor

the inpatient rooms is a typical floor. the operation theater is at the sixth floor which is the last floor. it is placed so as it requires an isolation from the public.



hospital sixth floor





# 04 sez

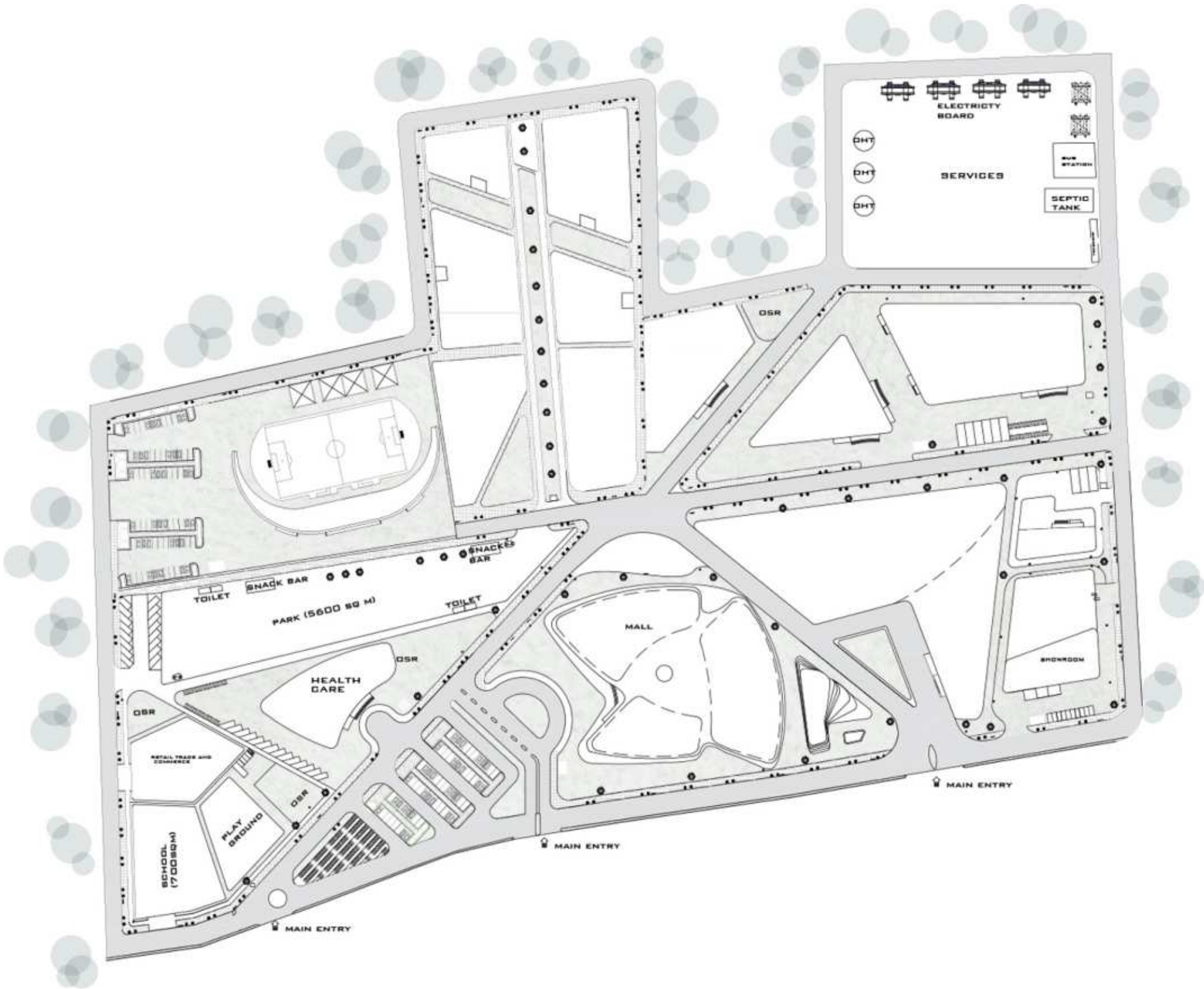
skills

the floor plans were drafted on cad,the 3d model on revit and the renders on lumion.



physical model

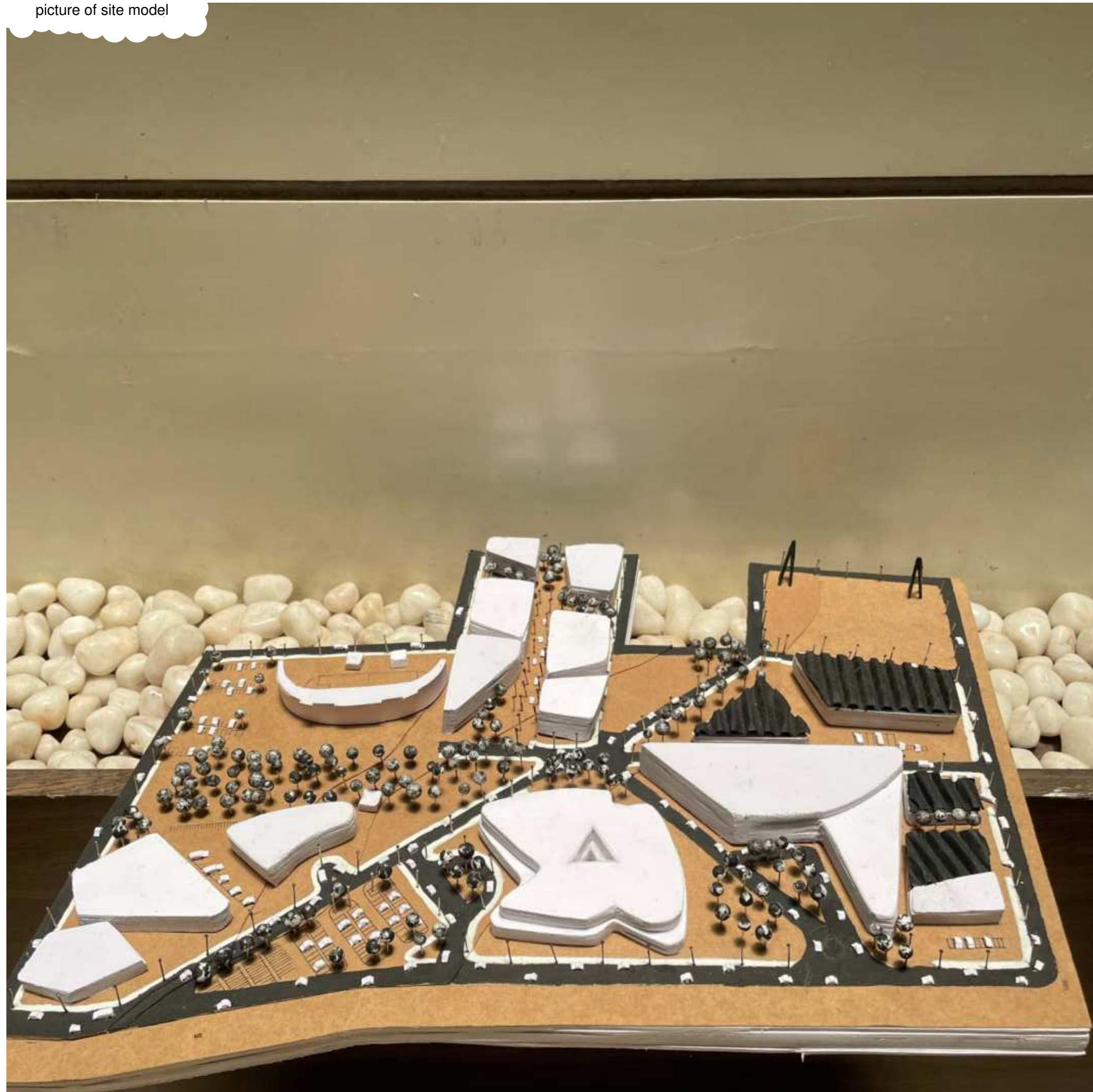
special economic zone is where multiple business and other economic activities happen together. its main objective is to create additional economic activities, to boost the export of goods and services, to generate employment and to develop infrastructure facilities. this sez is divided into two zones, processing and non-processing.



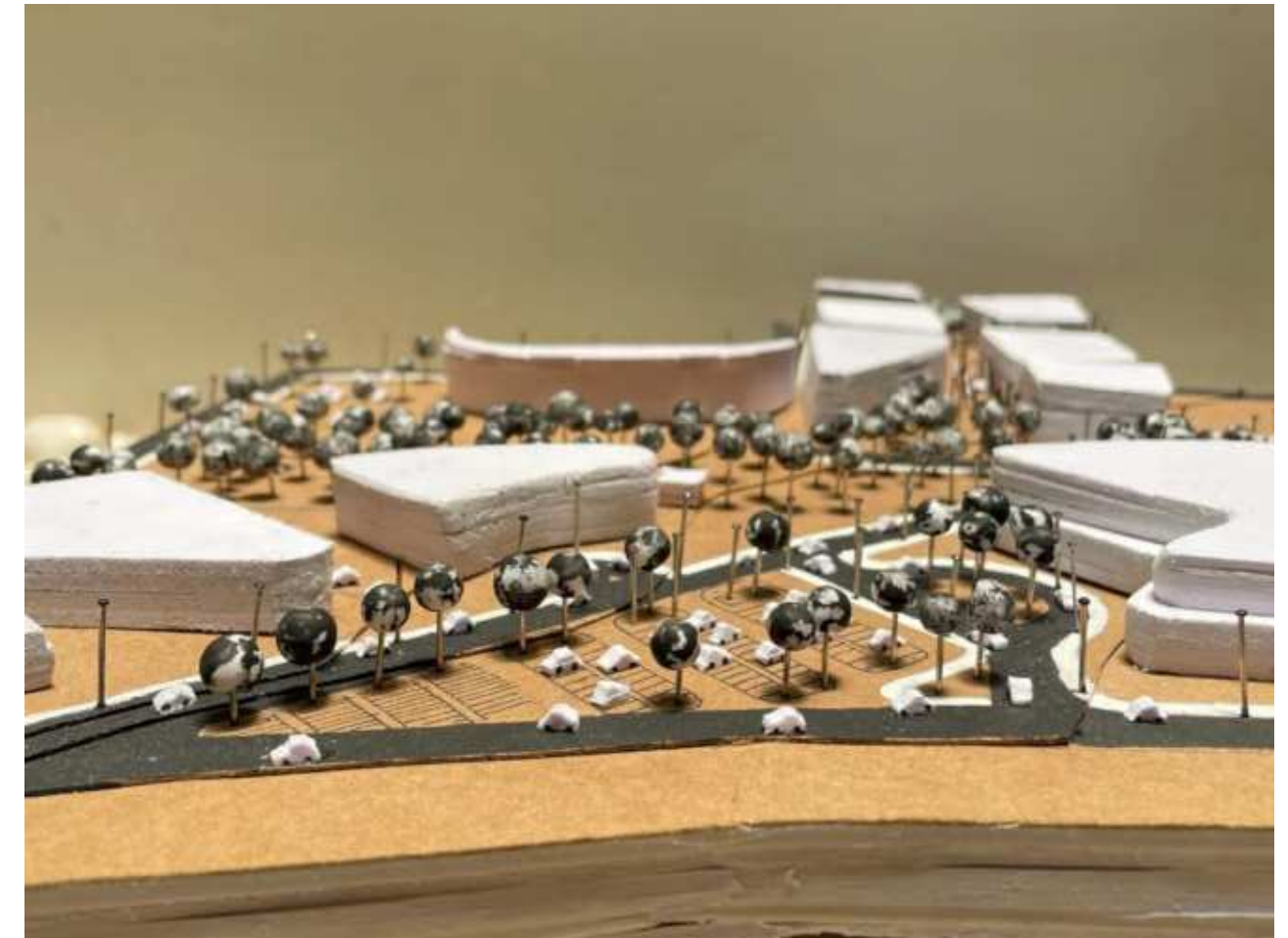
The site is being split for the two zones, and the buildings are zoned based on its function. each plot has its own osr ie landscape. access roads reaches every part of the sez,there are drop off points for all the buildings. required number of parkings are provided, either surface or basement. there are residential apartments within the sez. the school, hospital, park, stadium, residence, mall falls under the non-processing zones. the it, industries, and the automobile showroom cum service falls under the processing zone.



picture of site model



physical model of the sez was made with foam board and mill board.alltheblocksarerepresented along with its axis roads. details like the vehicular movement, landscape are also represented. the project is more understandable through a physical model.





# sez 01 it park

skills

the floor plans were drafted on cad,the 3d model on revit and the renders on lumion.

it park is a developed area that brings together the office spaces, it consists of one or more companies. the work space has to hold enough of recreational and open landscapes, so that the users can relax at times. the landscepe layout creates a distinct identities for groups of buildings. the form continues into the interior.v



render image

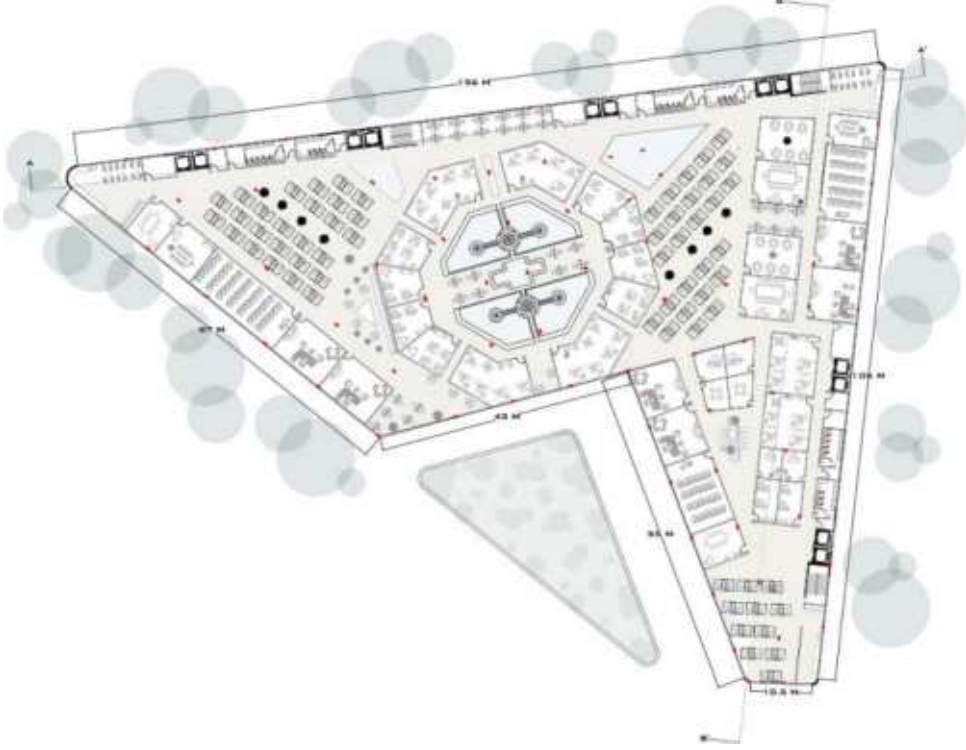


it ground floor plan

10% of land , towards the main entry is the OSR. it has got both soft, hard scape elements. the surroundings are more pleasing both inside and outside. every floor has got a central land-scepe which acts as a breakout space for the users.it typically has workplace of various kinds.there are proper cores for the vertical circulation .



render image



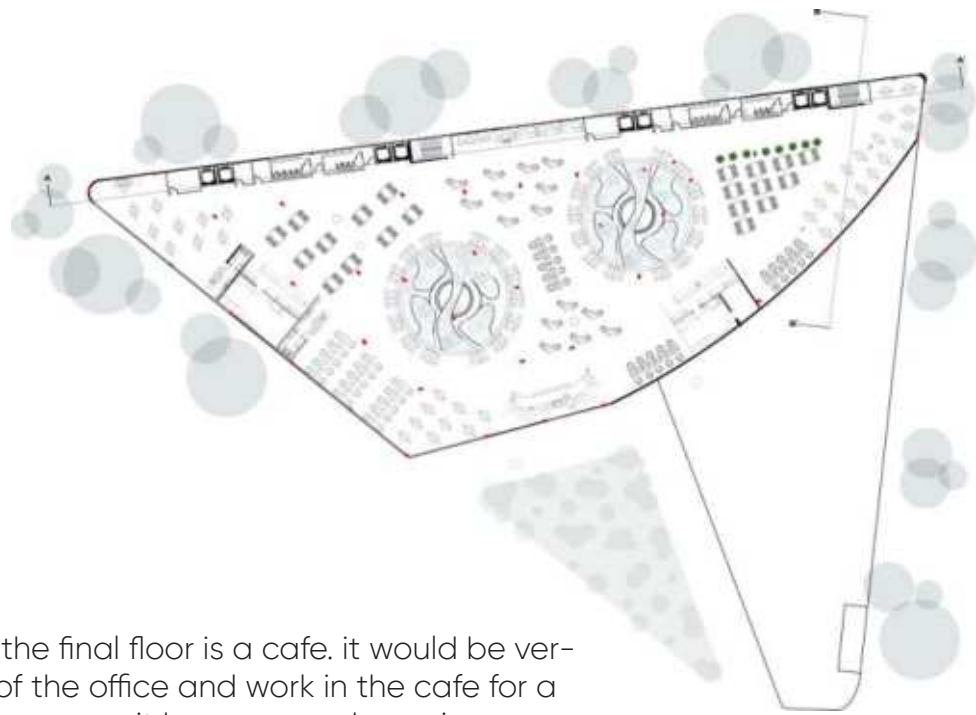
it first floor plan

open plan working environment enourages group communication and unplanned interactions. it is perhapas the most crucial component in building a productive and effective workplace. these partitions allow the design to be broken for specific purposes while still maintaining a flow to space. the break out space gives them a stress free environment.



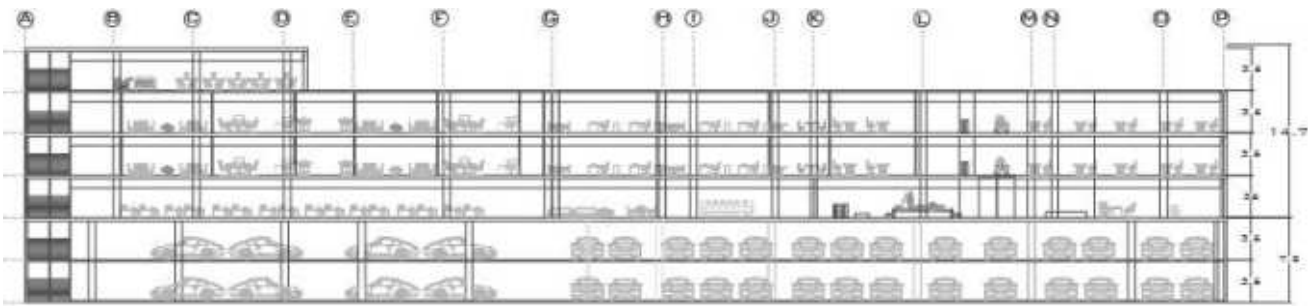
render image



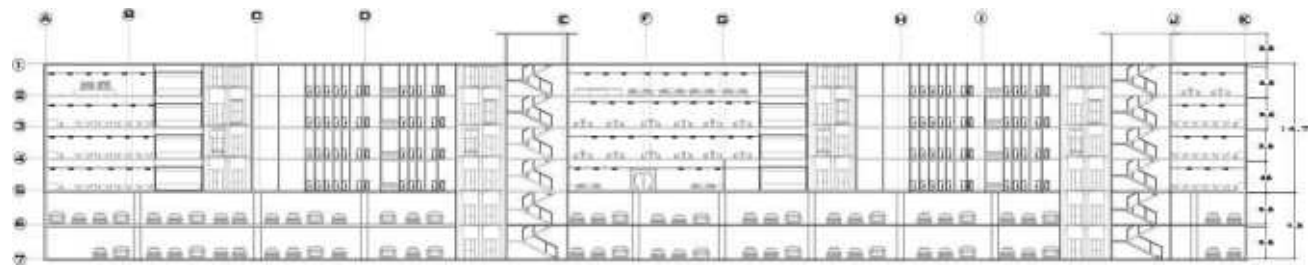


the third floor which is the final floor is a cafe. it would be ver-  
ry different to get out of the office and work in the cafe for a day. the users enjoy the space ,it becomes a dynamic space  
for collaboration, focus, relaxation and refreshment. there are  
separate seatings and each has its own use. over the counters  
,landscape cum dining are available.

it third floor plan



section bb`



section aa`





# sez

## 02

### the ferrari

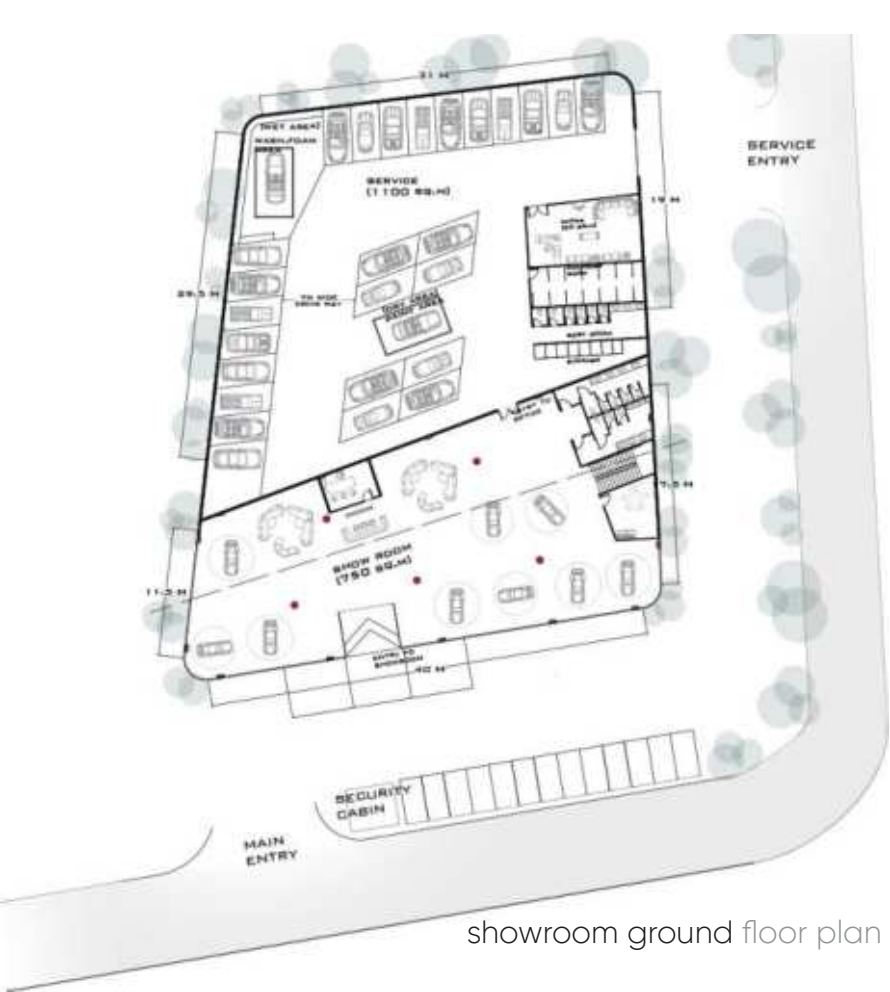
skills

the floor plans were drafted on autocad,the 3d model on revit and the renders on lumion.



render image

the automobile showroom is road facing. it is a building where interior and exterior collaborates around the meeting between city and nature, between function and space. there is quality in design. the luxury of the cars is almost reflected in the entire space. during daylight, the newly arrived cars in the display area are the main focus of attention.

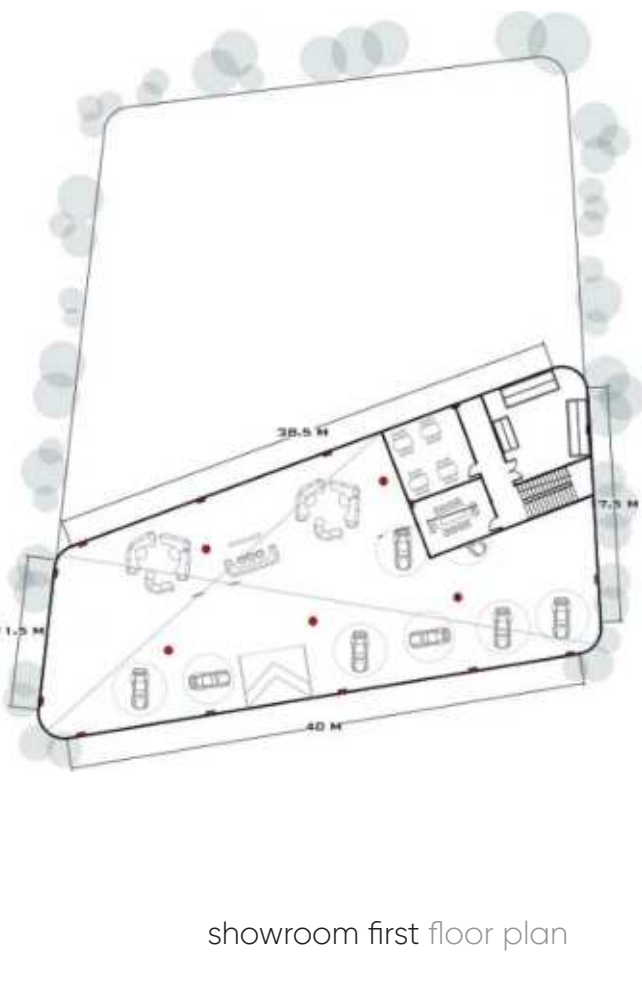


showroom ground floor plan

design of the showroom and its interior in a well lit space creates a feel of the future-forward environment. Spacious showroom features glass office cubicle and clients lounge in the middle. Special attention went to the lighting within interiors, which is the main accent of the luxury cars showroom.



render image



showroom first floor plan

the display area of the showroom is of double floor height and it is maintained barrier free. along with the showroom there is a service area ,which has its own entry and exits. it has an access from the showroom too. the glass panels used in the facade gives a good exposure of the displayed cars. it also lets natural light in.



render image



# sez

## 03

### mobile industry

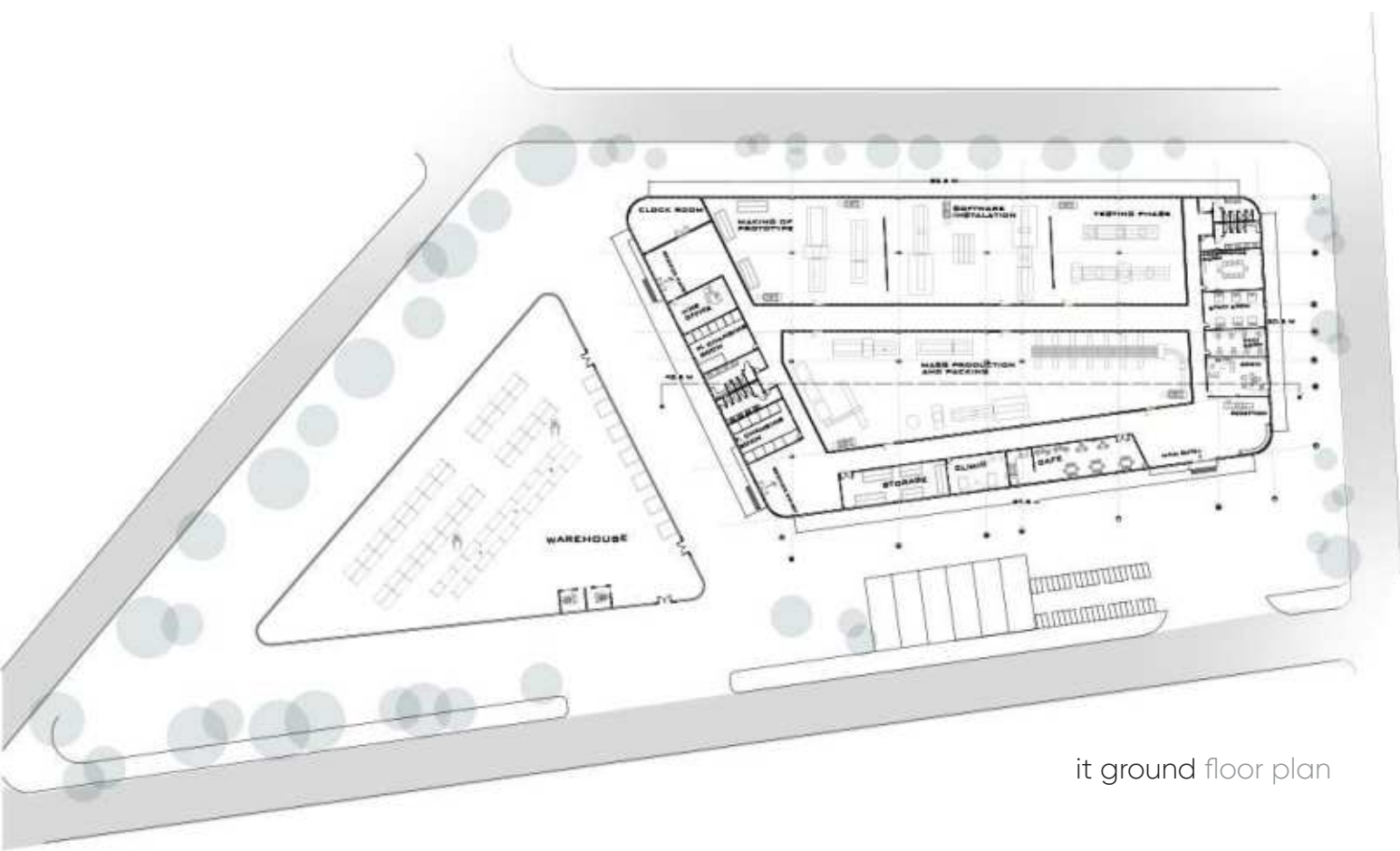
skills

the floor plans were drafted on cad,the 3d model on revit and the renders on lumion.

the mobile manufacturing industry is one of the processing unit. there are separate areas for different processs. it is a combination of functional-ity and design. aessthetic elements are rarely used, even then they are simple and classic.the basic reqirements of the workers during their work hours is provided inside.

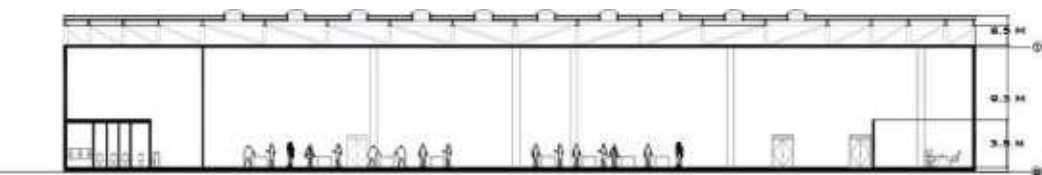


render image



it ground floor plan

industrial design tends to prioritize functionality and workers safety over aesthetics. it has a open floor plan and high ceilings.the raw materiala are processed or assembled to bring a new product. the raw materials and the finished goods are stored in a ware house which is adjacent to the industry.



section bb'



render image



render image



sez  
04  
match stick  
industry

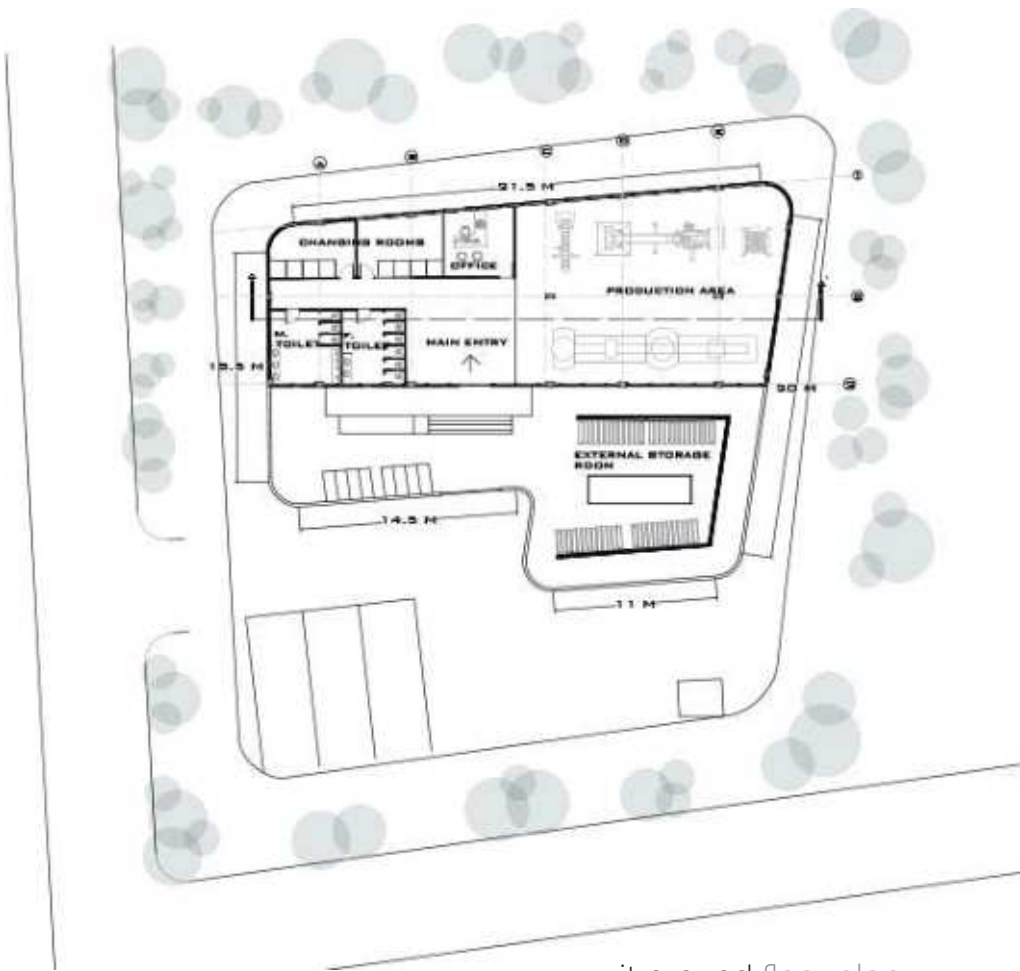
skills

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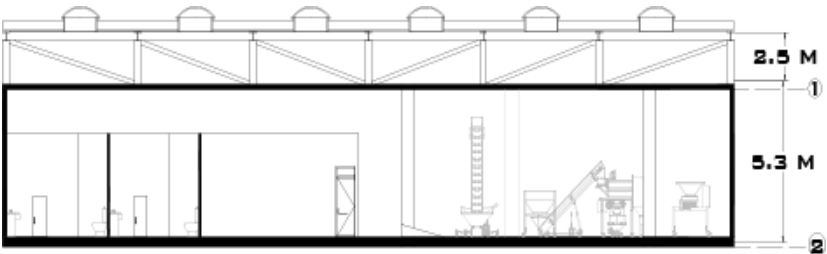
the match stick manufacturing industry is a small scale industry, it involves less workers. it transforms large wood logs into tiny sticks. The production process is mostly automated, hence the number of work-ers are less. high-volume machineries are used to perform the task. there is an external storage area where the logs are stored.



render image



it ground floor plan



section aa`

the production area is of major importance , the roof is provided in such a way that natural light and ventilation enters in. the required space are provied for the workers. the chopping down of large logs take place in the outdoor unit, it is where the resin and other materials are stored.



render image



render image



# 05 the palace garden

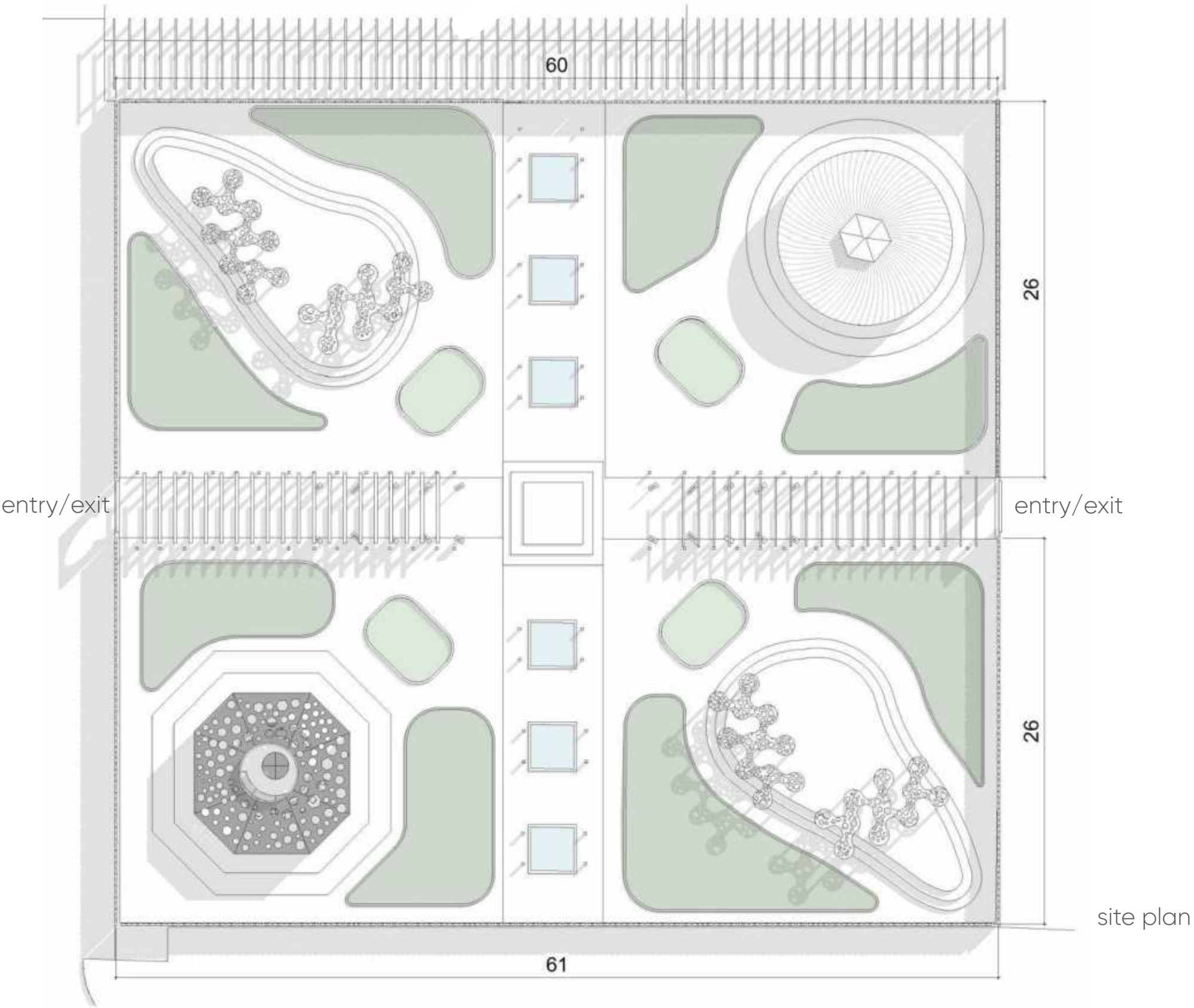


render image

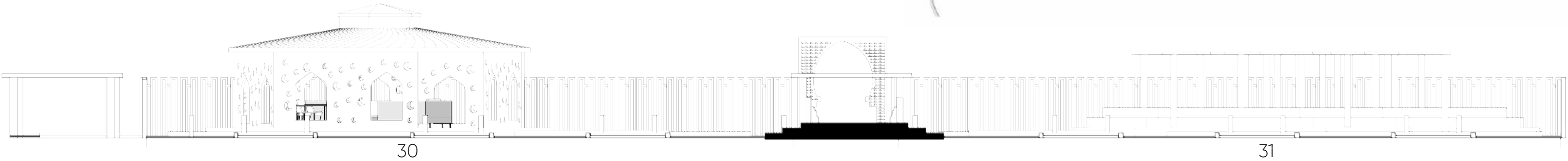
skills

the floor plans were drafted on cad,the 3d model on revit and the renders on lumion.

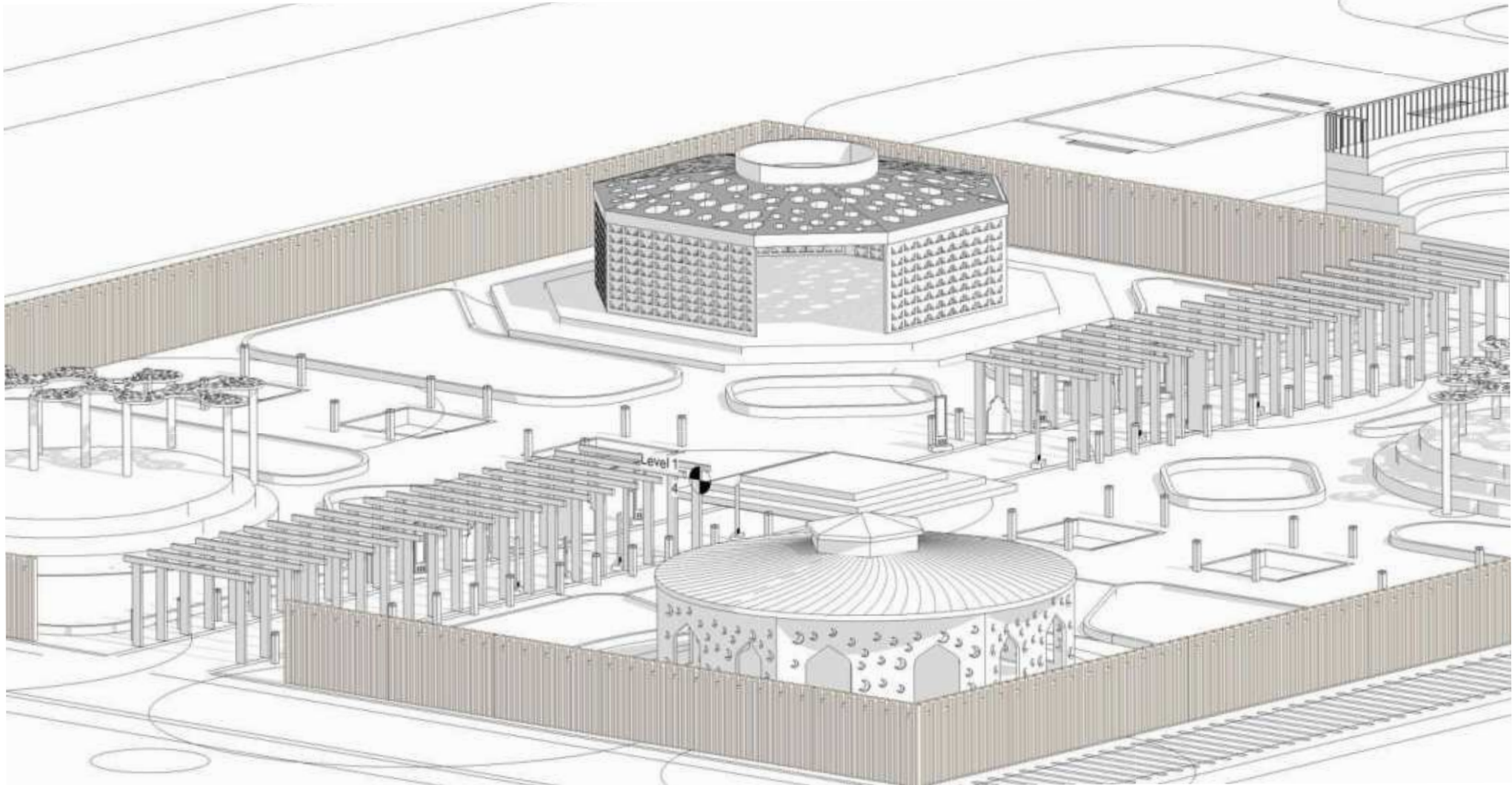
this garden is called an islamic garden. and it holds characteristics of a garden. the site where the garden is designed is mysore. it is a tourist place so that the garden eventually attracts the tourists. it has got shading devices and seating spaces. the centre of the garden is a focal point. there is a mixture of all elements of nature within the garden.



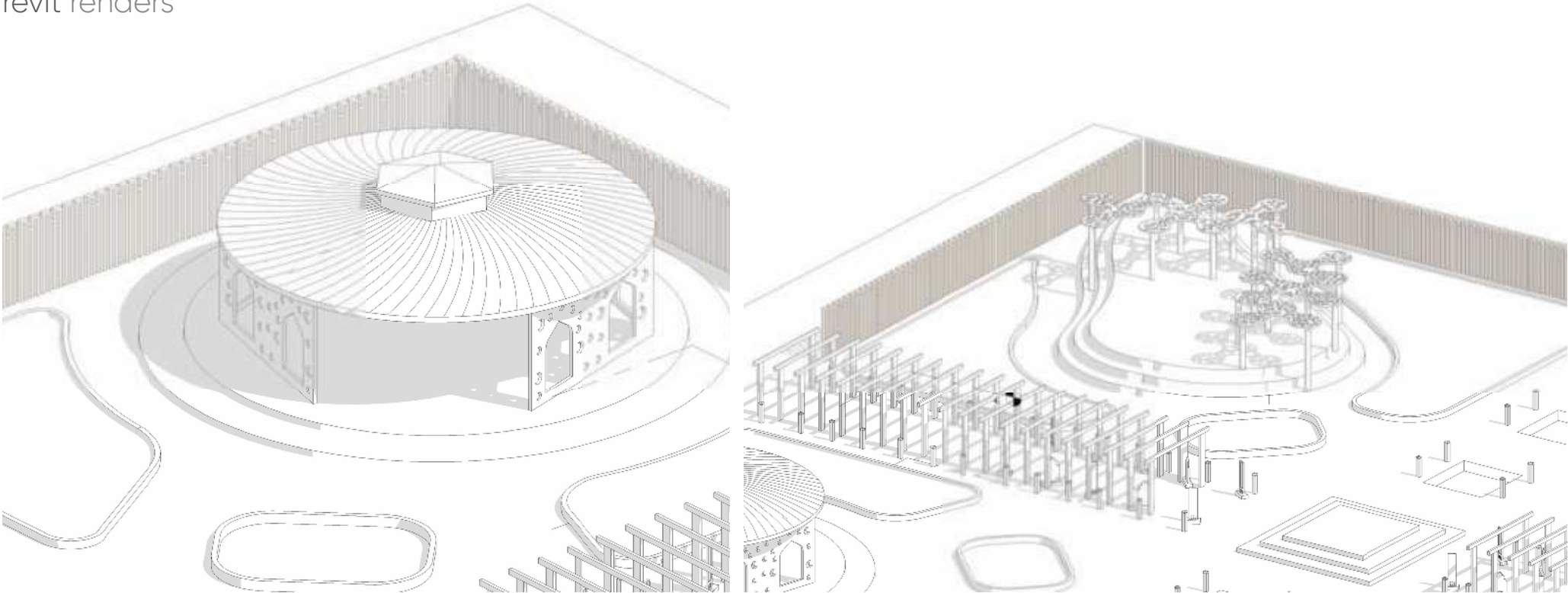
site plan







revit renders



lumion renders





works at

**lance**

**studio**

**06**

skills

rendered on lumion , vray



render image



render images







render images

render images



works at

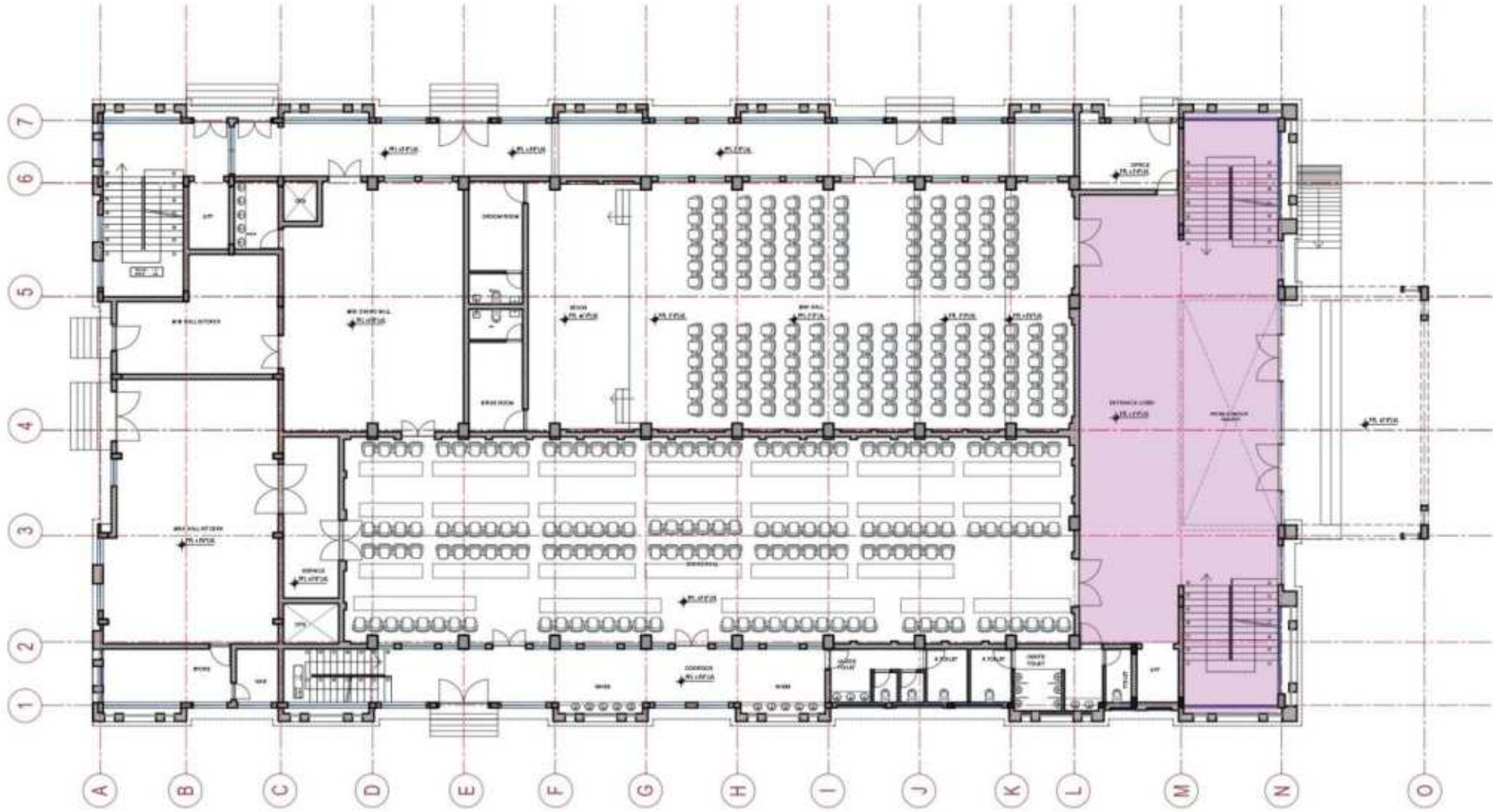
**lance  
studio  
06**

skills

rendered on vray, photoshop

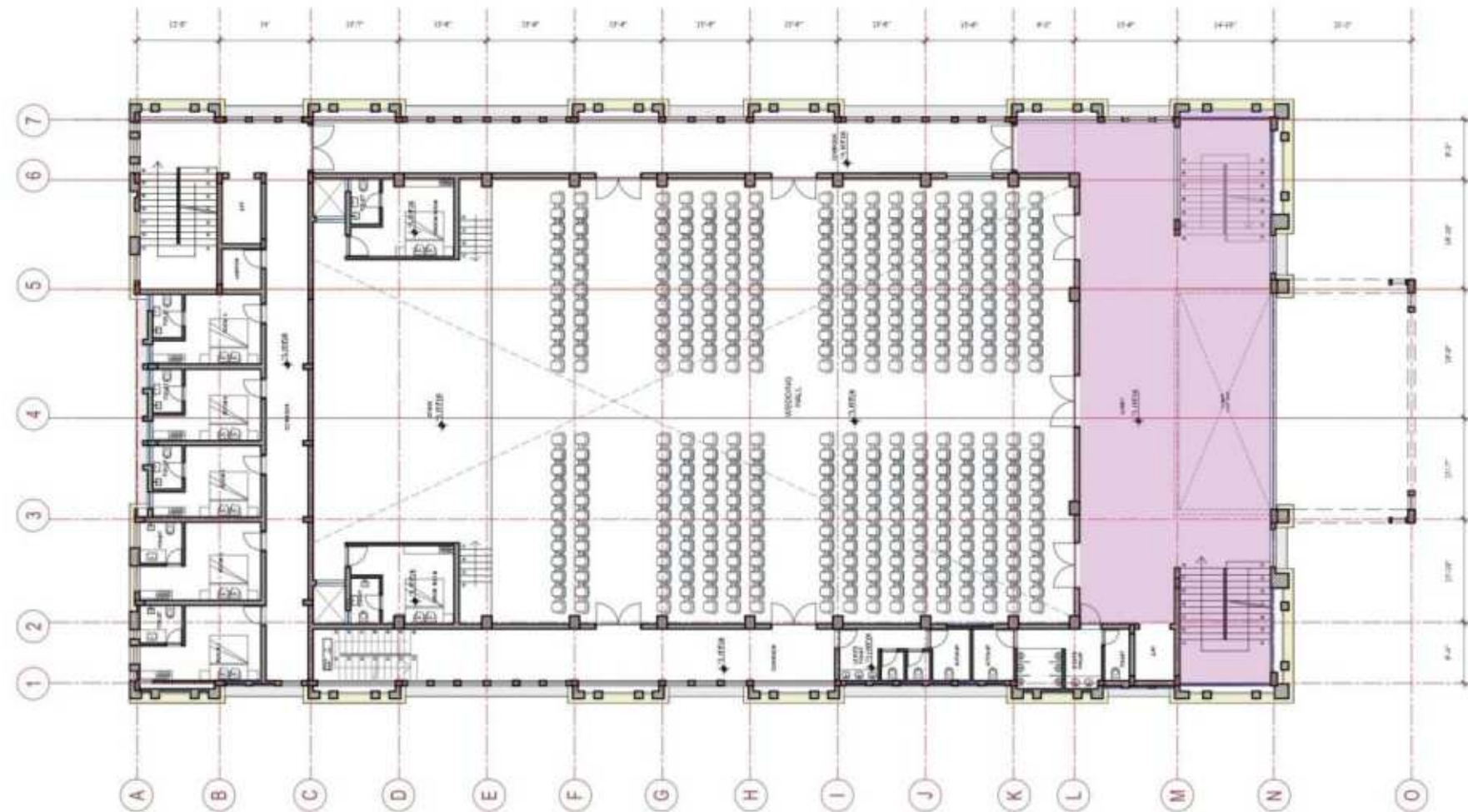


render image



FP0000 GROUND FLOOR PLAN  
AS - 2206 1:50 IF PRINTED ON A1 - 2023-04-12





FP100 FIRST FLOOR PLAN  
AS - 2206 1:50 IF PRINTED ON A1 - 2023-04-12



ELEVATION C

WE 04 LOBBY WALL ELEVATIONS  
AS - 2206 1:50 IF PRINTED ON A1 - 2023-04-11



ELEVATION D

WE 04 LOBBY WALL ELEVATIONS  
AS - 2206 1:50 IF PRINTED ON A1 - 2023-04-11



# 07

## thesis on apiculture

### NATURE BASED SOLUTION IN PROMOTING APICULTURE AT KALKULAM, KANIYAKUMARI

TODAY MILLIONS OF HONEYBEES ARE DISAPPEARING FROM THE FACE OF THE EARTH. THIS THESIS EXPLORES HOW ARCHITECTURE CAN RECONNECT PEOPLE AND HONEYBEE. HONEYBEES ARE DISAPPEARING FROM THE FACE OF THE EARTH. THIS THESIS EXPLORES HOW ARCHITECTURE CAN RECONNECT PEOPLE AND HONEYBEE.

#### SITE ANALYSIS



- STRENGTH**
  - ADEQUATE AREA ENOUGH GREEN AND BLUE SPACES FOR A NEW EXPERIENCE
- WEAKNESS**
  - EXISTENCE OF LARGE NUMBER OF TREES. INADEQUATE TO ACCESS THE SITE
- OPPORTUNITY**
  - LARGE ENOUGH TO PROVIDE MORE FACILITIES AND CREATE BETTER ENVIRONMENT FOR INNER PEACE.
- THREATS**
  - LARGE AREA COMPLICATES THE SECURITY OF THE SITE.

A.RAMEEZ RAJA



#### BEE CAFE

THE CAFE IS DESIGNED AS A TWO STOREY BUILDING THAT HAS A CENTRAL COURTYARD AND ARE ACCOMPANIED WITH SEATINGS.

#### CIRCULATION

THE STAIRS CONNECTS THE GROUND FLOOR AND THE FIRST FLOOR.

#### MINI KITCHEN

A FEW ITEMS ARE ALSO PREPARED IN THE FIRST FLOOR FOR A BETTER EFFICIENCY.

#### COLD STORAGE

IT IS A PLACE WHERE HONEY AND ITS BY PRODUCTS ARE BEING PRESERVED

THE ACRYLIC LIGHT AT THE TOP ALLOWS LIGHT IN ENTERING THE CAFE, THEREBY KEEPS IT BRIGHTER DURING THE DAY.

#### ATRIUM

THERE IS AN OPEN ATRIUM WHICH PROVIDES ENOUGH OF NATURAL LIGHTING TO THE INTERIORS.

#### RECEPTION

THE RECEPTIONIST PROVIDES THE NEEDS OF THE CUSTOMER

#### DINING

THE DINING ADJACENT TO THE KITCHEN, IS GIVEN WITH COSY FURNITURES.

#### KITCHEN

THE PANTRY, SINK, PREPARATION AND COOKING AREA ARE PERMANENTLY COMBINED,



THE BEE CAFE IS A THEMED RESTAURANT BASED ON BEES THAT WOULD SERVE EXCLUSIVE PASTRIES THAT ARE MADE WITH HIGH QUALITY HONEY THAT HAS BEEN PRODUCED IN LAND. THE CAFE WOULD OPERATE IN A WAY THAT THE FOOD SERVED IS VIBRANTLY RELATED TO HONEY.



THE TEACHING INSTITUTE IS DESIGNED AS A TWO STORY BUILDING. THE ENTRY OF THE BUILDING PAVES WAY TO THE CORRIDOR THAT CONNECTS EVERY BUILDING COMPONENT.



THE INITIATIVE IN THE DESIGN PROVIDES PEOPLE TO LEARN THE SKILLS OF APICULTURE AND LET THEM KNOW ABOUT THE VARIOUS FORMS OF INCOME VIA HONEY HARVESTING



THE ACADEMIC BLOCK INTEGRATED WITH THE DESIGN IS AN EMPLOYMENT TEACHING INSTITUTE THAT HELPS TO LEARN A JOB TO SUPPORT THE ONE LIVING

A.RAMEEZ RAJA



#### EMPLOYMENT AND TEACHING INSTITUTE

PEOPLE OF DIFFERENT AGES GAIN EDUCATION. THESE ARE CREATED TO DO RESEARCH ON SPECIFIC TOPIC. THE OUT COMES OF THE RESEARCH ARE TAKEN WHILE MANUFACTURING.

THERE IS AN OPENING COVERED WITH GLASS FOR THE PURPOSE OF LIGHTING

#### STAFF ROOM

A COMMUNAL WORK AREA WHERE TEACHERS HAVE THEIR DESK AND DO ANY PREPARATION

#### LIBRARY

IT IS MADE EASIER FOR PEOPLE TO GET ACCESS TO BOOKS OF VARIOUS PURPOSE

#### REST ROOM

ADEQUATE NUMBER OF TOILETRIES ARE PROVIDED AS PER THE STANDARDS

#### STUDIO

STUDIO IS MORE LIKE A CLASS WHERE THE LECTURES AND PRESENTATIONS TAKES PLACE

#### LABORATORY

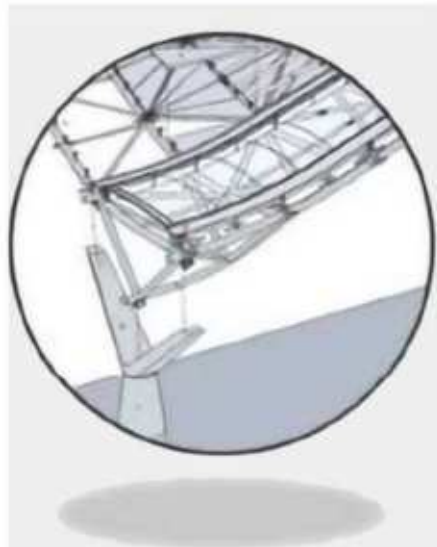
THE QUALITY OF HONEY IS BEING TESTED HERE USING A FEW MACHINERIES



THE BUILDING IS ZONED IN A WAY THAT THE PUBLIC SPACES ACCOMPANY THE FRONT ADJACENT TO THE ENTRY AND THE PRIVATE ZONES IN THE CORNERS OF THE BUILDING. THE BUILDING IS MAJORLY MADE OF GLASS, WOOD AND CONCRETE.



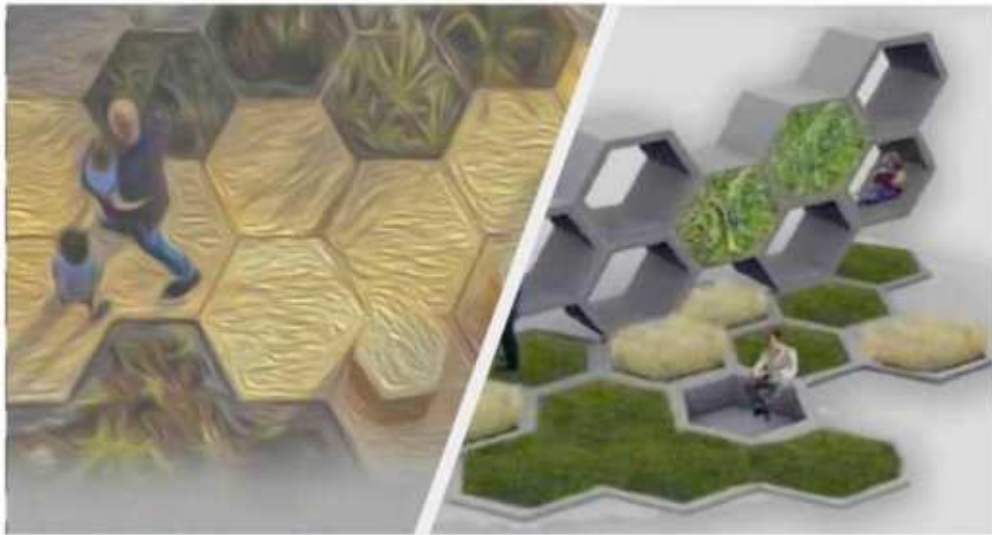




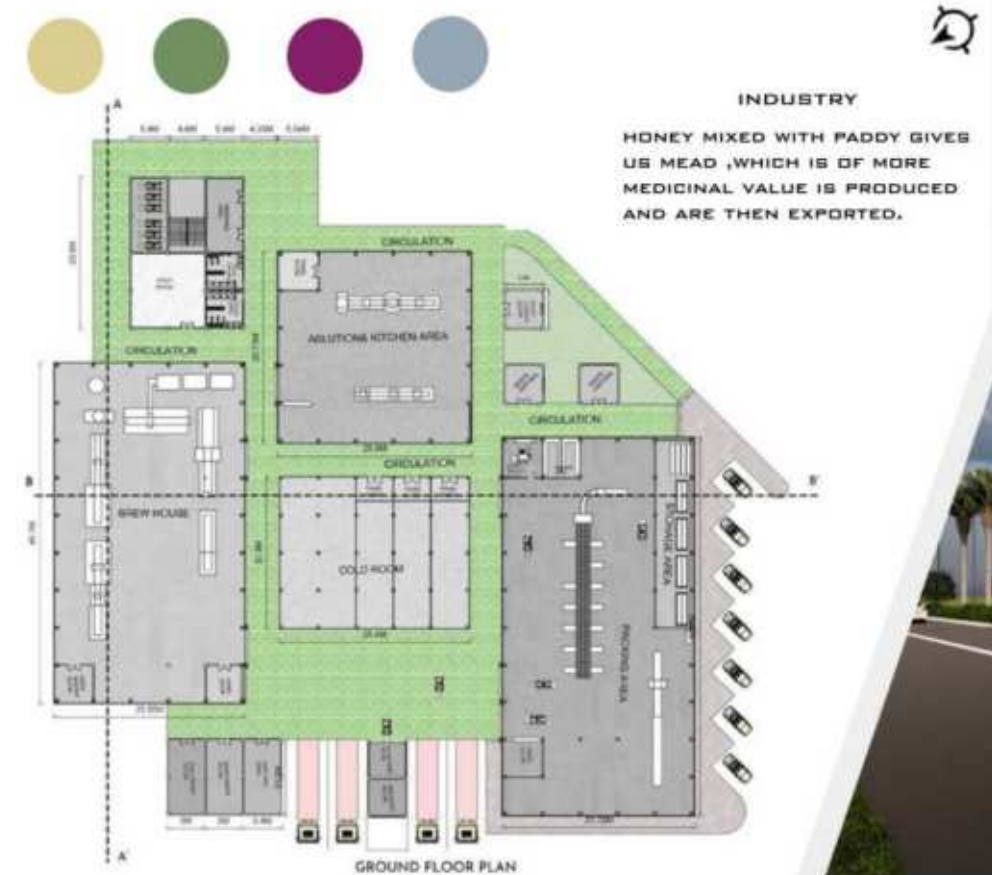
THE INDUSTRY IS SUPPORTED BY STEEL TRUSSES, COVERED BY GFRC PANELS (GLASS FIBER REINFORCEMENT CONCRETE),WEIGHTING 80% LESS THAN THE ARCHITECTURAL PRECAST



A.RAMEEZ RAJA



THE BEST QUALITY HONEY AND ITS BY PRODUCTS ARE BEING MANUFACTURES IN THESE INDUSTRIES, FROM WHICH IT WOULD BE SOLD IN MARKETS.



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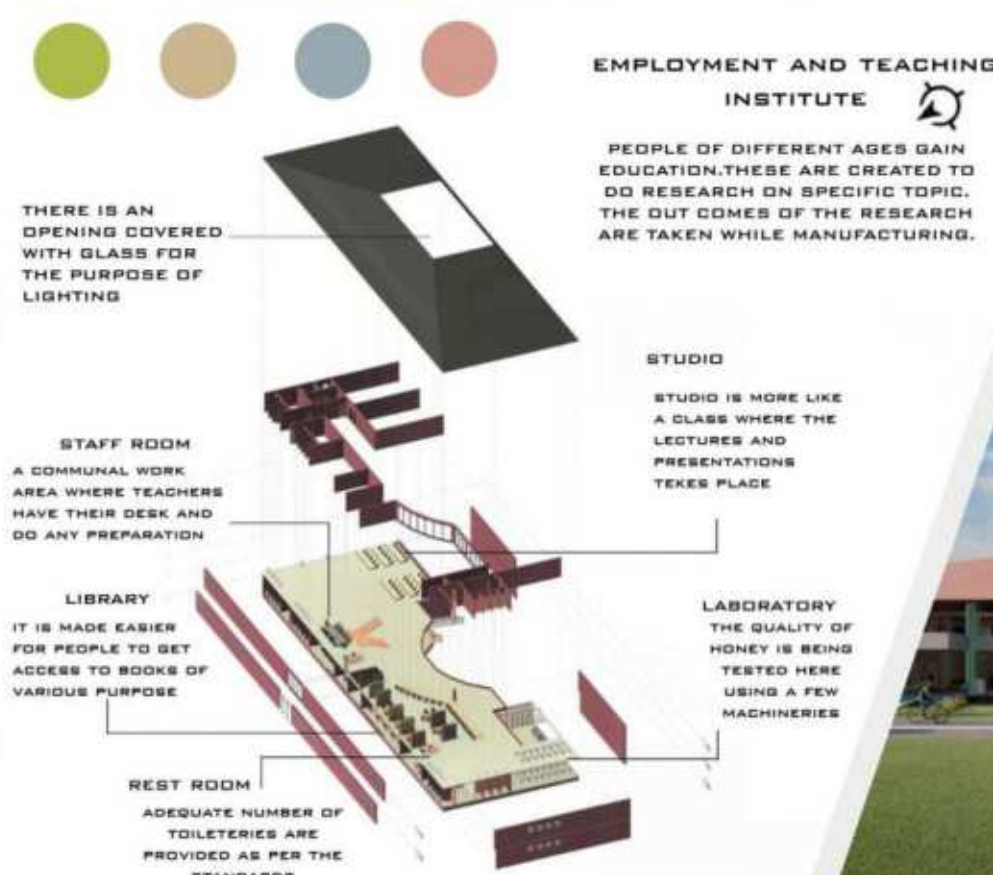
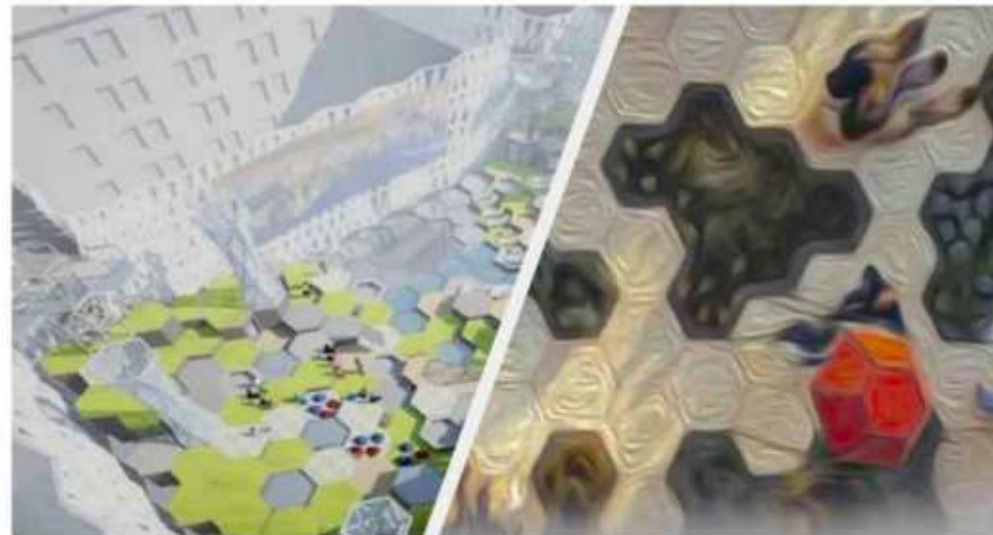


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## model making - door

a rustic door model made out of mould board. an image was taken for reference. all possible details are added to it.



## - dream model

a dream model of my own interest. a sketch of, followed by any of its 2d and finally the 3d it was a model making exercise.





rotiring pen



charcoal





thank you :-)

rameezmdcivil@gmail.com

"i am still learning."  
-michelangelo

