



**ARCHITECTURE
PORTFOLIO**



ABOUT ME

AGE:21

DOB: 16 - 10 - 1997

ADDRESS

KALLAMPARAMBIL (H)
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MALAPPURAM DIST.
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MANGALAM SCHOOL OF
ARCHITECTURE AND PLANNING
KOTTAYAM,KERALA
[MG UNIVERSITY]

LANGUAGES

MALAYALAM :



ENGLISH :



TAMIL :



HINDI :



TECHNICAL SKILLS

PHOTOSHOP : ●●●●●○
AUTOCAD : ●●●●●○
REVIT : ●●●○○○
LUMION : ●●●○○○
SKETCHUP : ●●●○○○
INDESIGN : ●●○○○○
ILLUSTRATOR : ●●●●○○
RHINOCEROS : ●●●●○○

HOBBIES



OTHER SKILLS

DESIGN : _____●
TEAM WORK : _____●
SKETCHING : _____●
DRAFTING : _____●
MODEL MAKING : _____●

CONTACT

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A 3rd year student of architecture dedicated with a keen interest in architecture and design,looking forward to gain more experiences as well improve technical and design knowledge through real job atmosphere.Main goal is to have a basic understanding on whole process of real architect job,enhance basic digital skills as well upgrade professionals level of architect communication skills and critical thinking in design process.

KIRAN MERIT
STUDENT ARCHITECT

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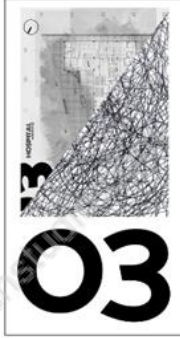
01

RAILWAY
KIOSK
SEMESTER 01



02

RESIDENCE
DESIGN
SEMESTER 04



03

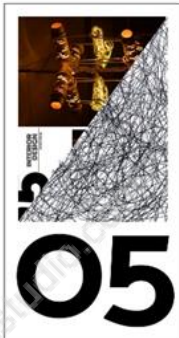
HOSPITAL
DESIGN
SEMESTER 05

ARCHITECTURE PORTFOLIO



04

CAMPUS
DESIGN
SEMESTER 06



05

INTERIOR
DESIGN
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06

LANDSCAPE
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SEMESTER 04



07

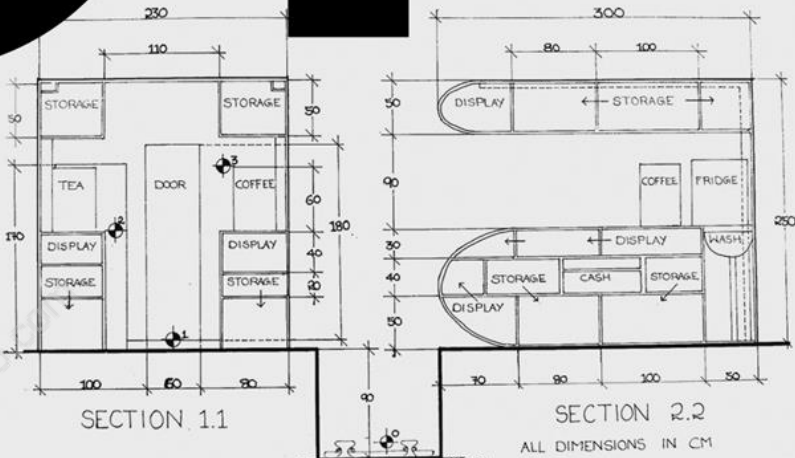
LOGO
DESIGN
SEMESTER 00

ARCHITECTURE PORTFOLIO

RAILWAY KIOSK

SEMESTER 01

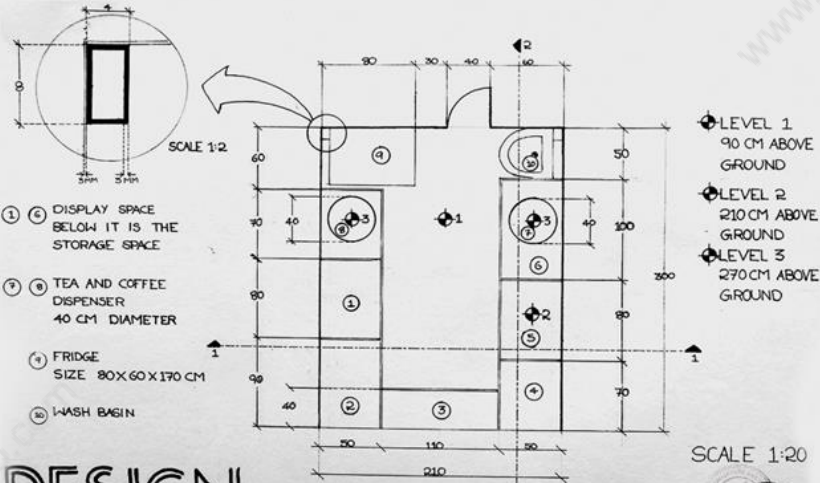
The design is a railway kiosk, space given for 2 persons to stand at a time, customers can buy from 3 sides as these sides are open, colour is given in the form of a chess board it draws attraction of customers.



DESIGN

- ① 0.6 GROUND LEVEL
- ② 1.90 CM ABOVE GROUND LEVEL
- ③ 2.200 CM ABOVE GROUND LEVEL
- ④ 3.270 CM ABOVE GROUND LEVEL

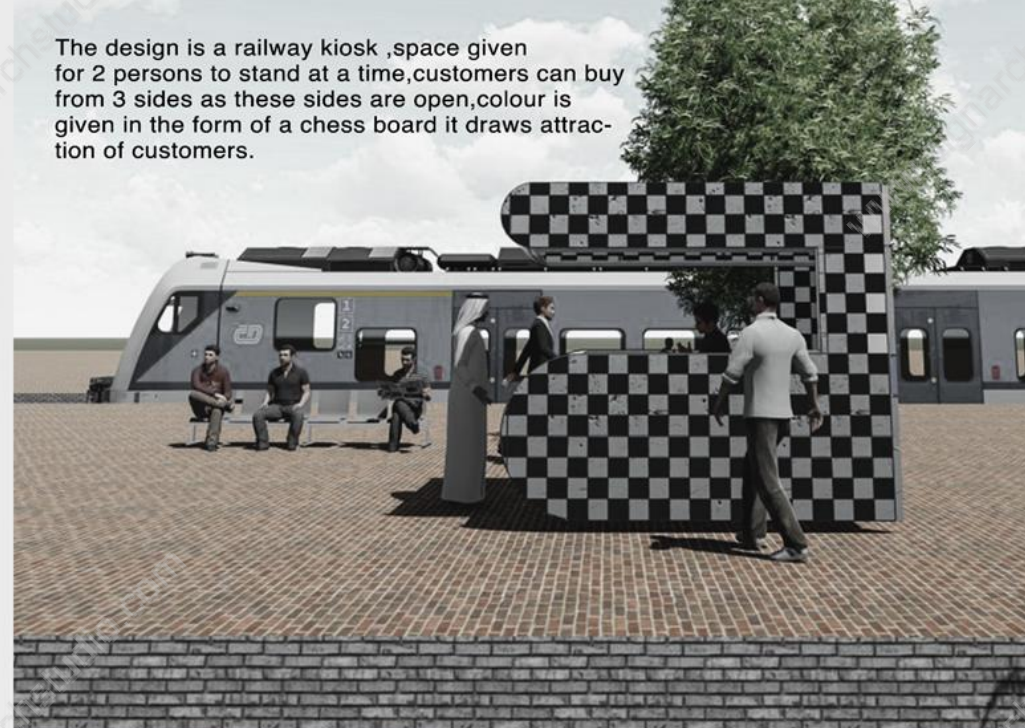
SCALE 1:20



DESIGN

PLAN AT 180 CM ABOVE PLATFORM

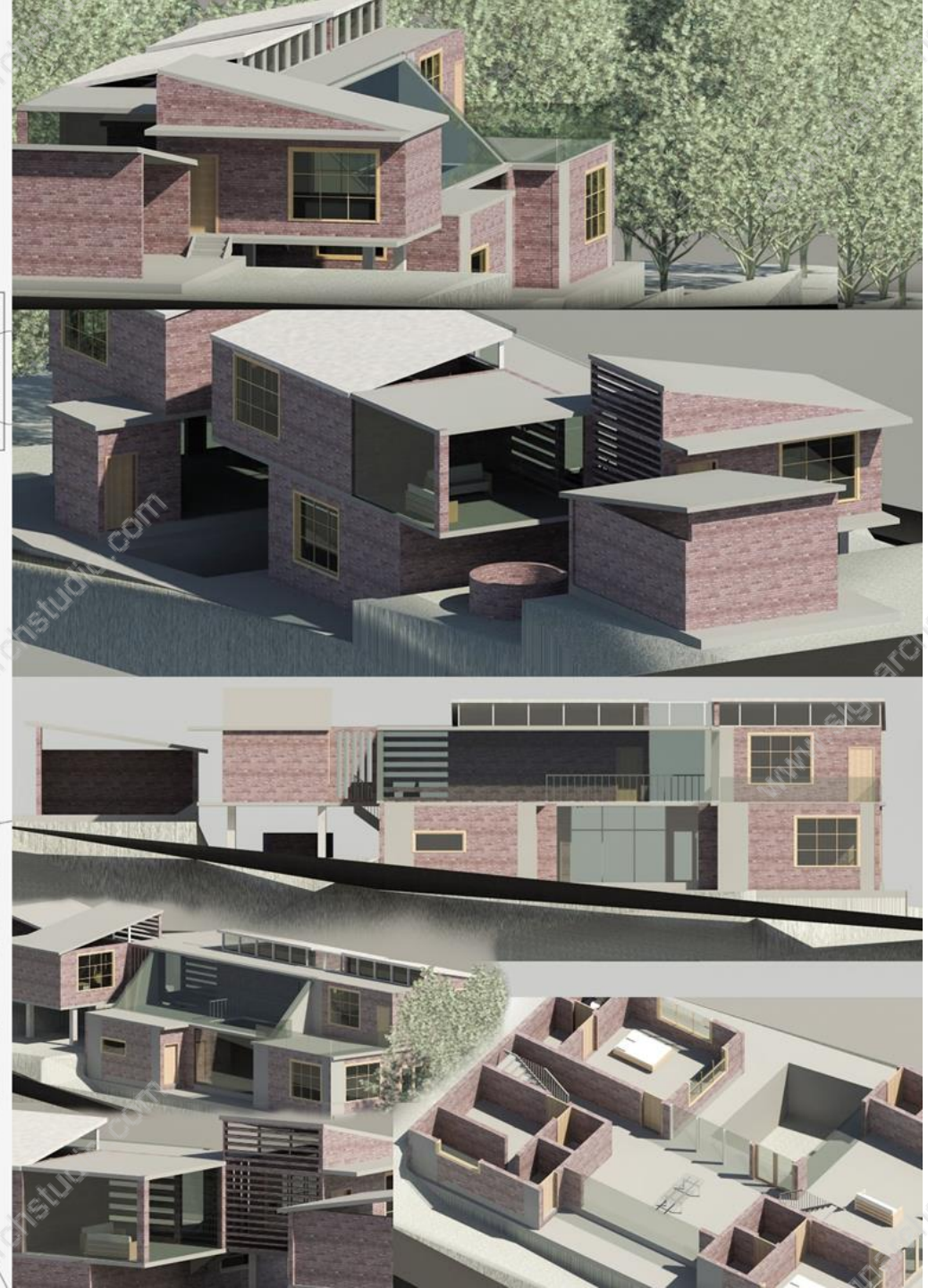
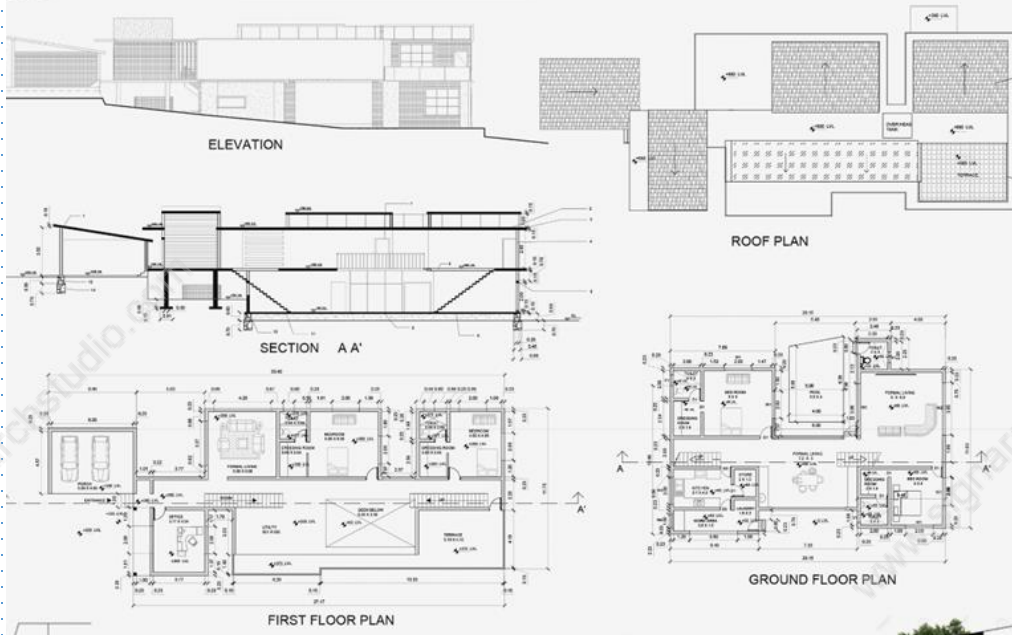
SCALE 1:20



02

RESIDENCE SEMESTER 04

THE DESIGN WAS TO DESIGN A RESIDENCE FOR A PLANTER WITH 4 BED-ROOMS AND A SWIMMING POOL, IN A CONTOURED SITE AND A PARKING FOR 2 CAR AND A BIKE



HOSPITAL

SEMESTER 05

20

10

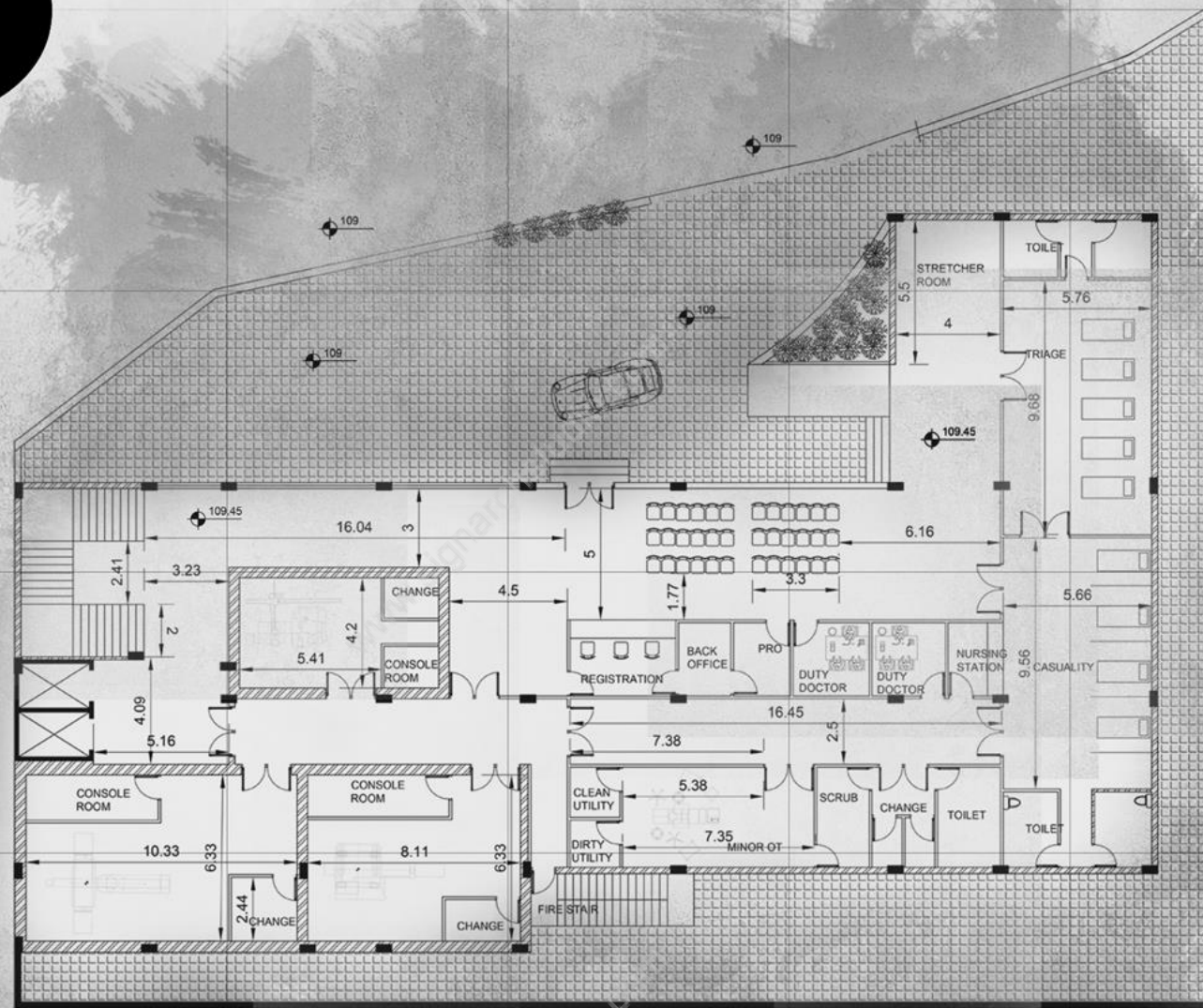


10

20

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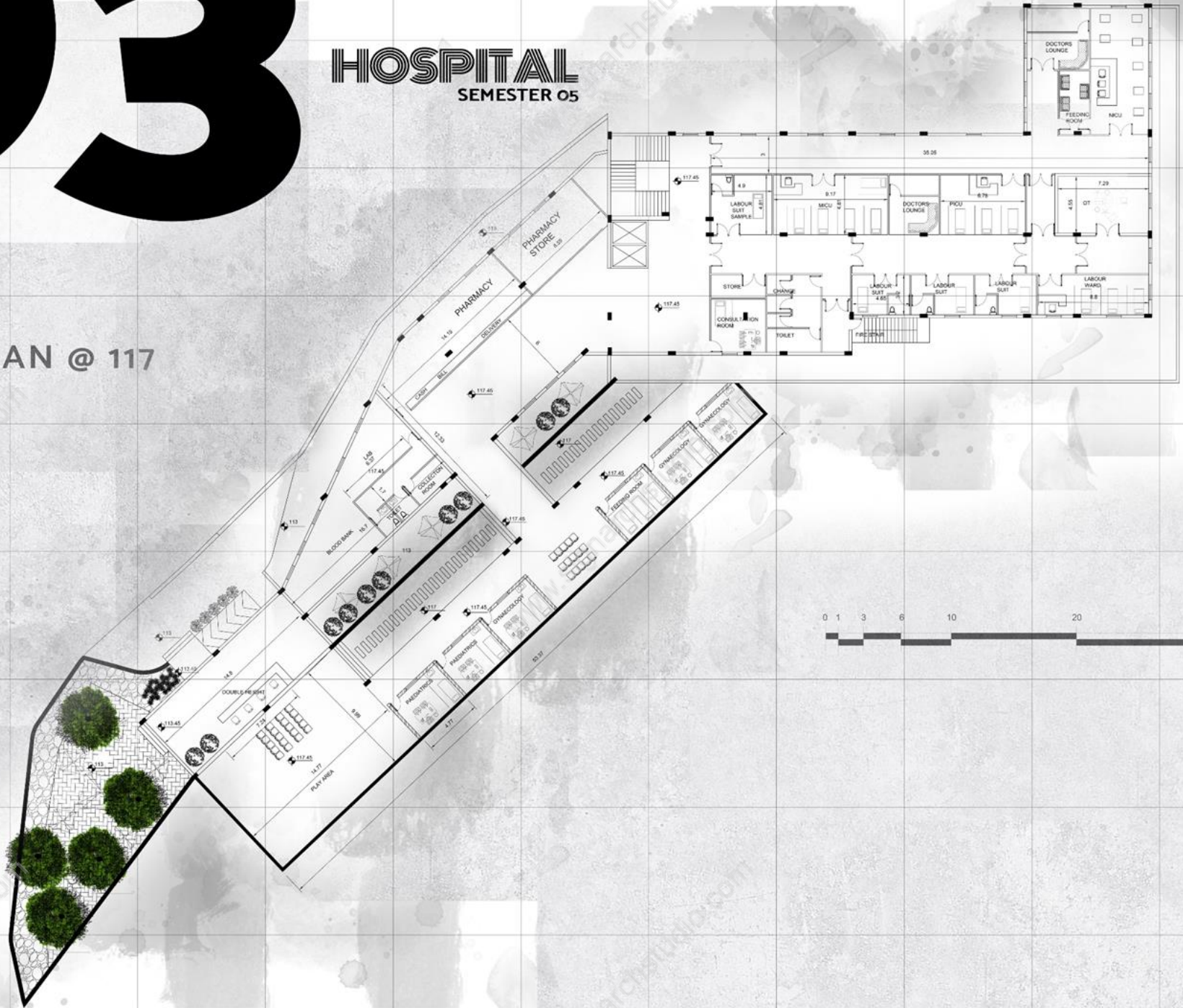
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03

HOSPITAL SEMESTER 05

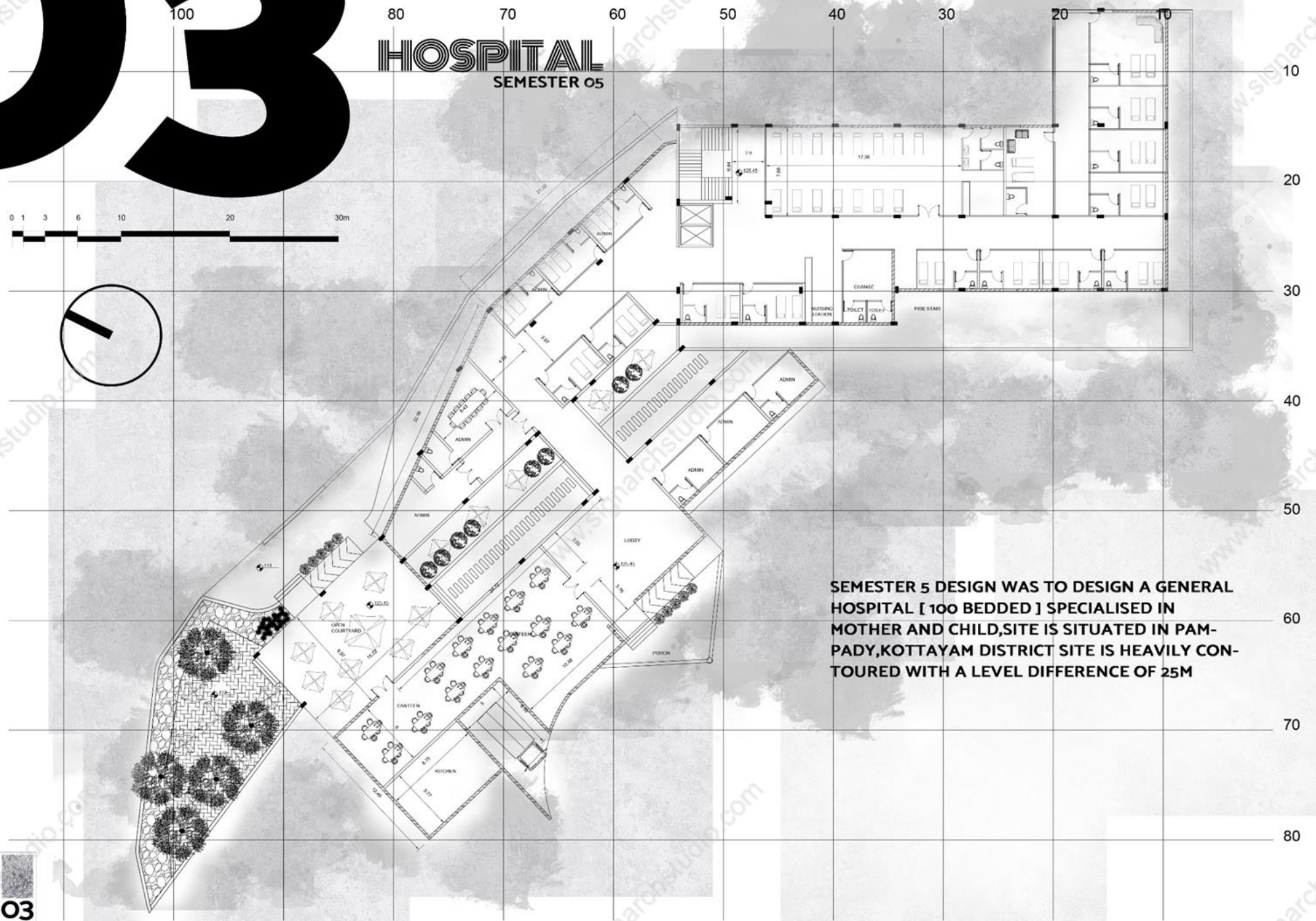
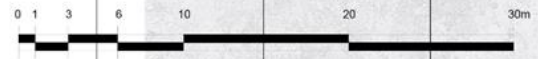
PLAN @ 117



03

03

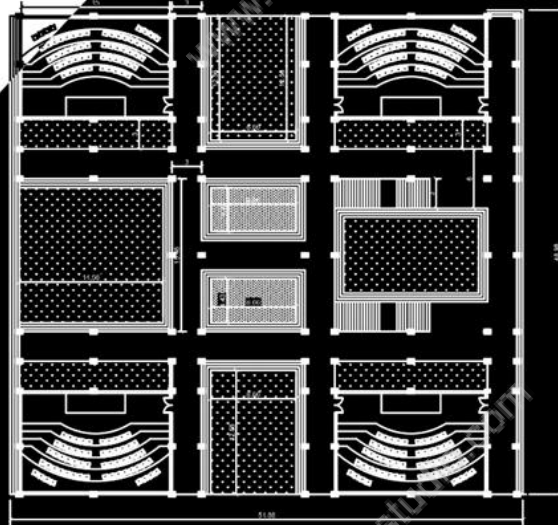
HOSPITAL SEMESTER 05



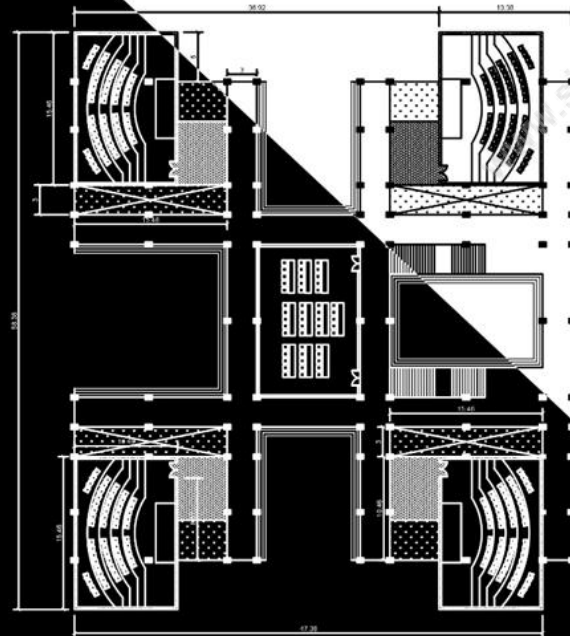
SEMESTER 5 DESIGN WAS TO DESIGN A GENERAL HOSPITAL [100 BEDDED] SPECIALISED IN MOTHER AND CHILD, SITE IS SITUATED IN PAMPADY, KOTTAYAM DISTRICT SITE IS HEAVILY CONTOURED WITH A LEVEL DIFFERENCE OF 25M

04

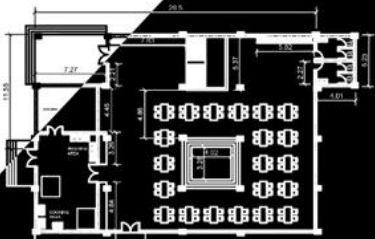
CAMPUS SEMESTER 06



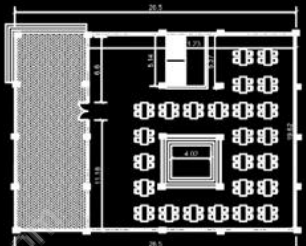
ACADEMIC FIRST FLOOR



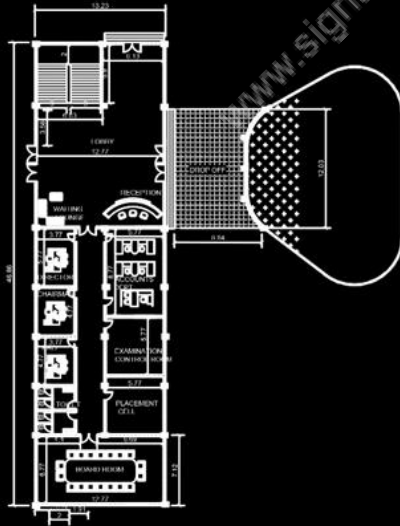
ACADEMIC SECOND FLOOR



CANTEEN FIRST FLOOR



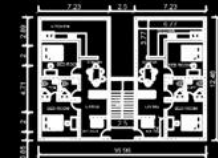
CANTEEN SECOND FLOOR



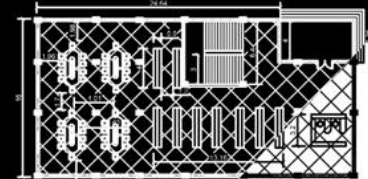
ADMIN. DEPT.



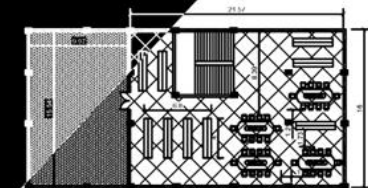
FACULTY DEPT.



FACULTY RESIDENCE



LIBRARY FIRST FLOOR



LIBRARY SECOND FLOOR

04

CAMPUS SEMESTER 06



LOCATION

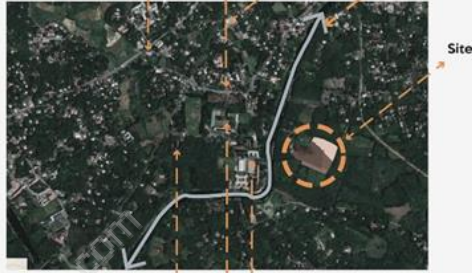
LONGITUDE : 9°41'56.5"N

LATITUDE : 76°40'12.3"E

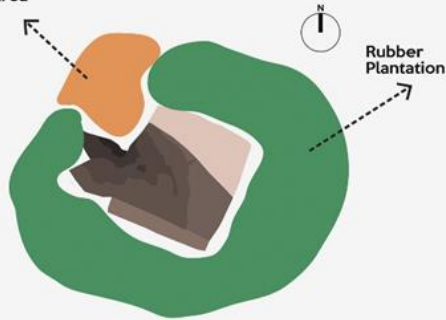
site area
7.41 acres

The site is located 3 kms far from mutholy. The site has two ways of access, either through mutholy junction, or through kadappattoor.

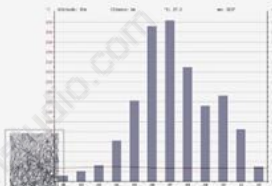
Post office Arunapuram
Sunstar convention center Pala
Meenachil River
Ettumanoor - Poonjar Road



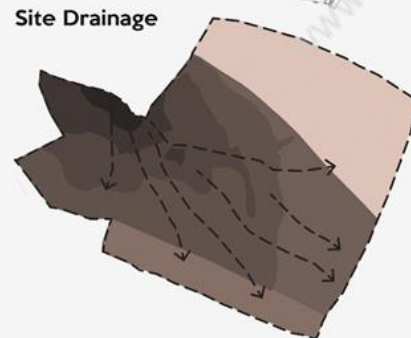
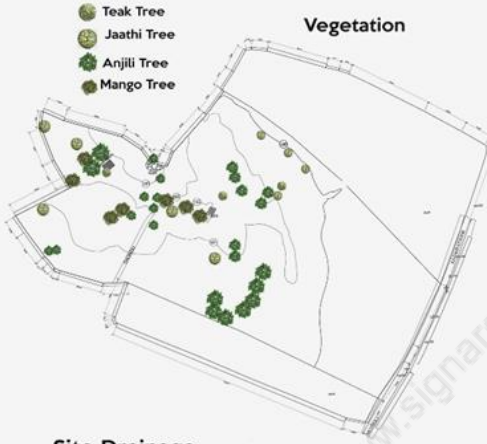
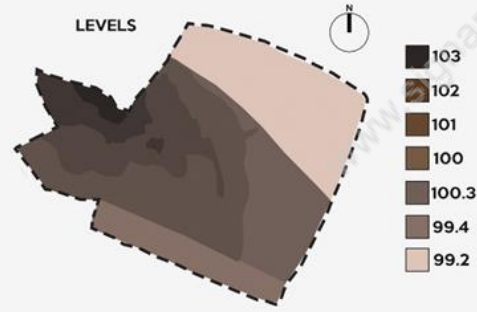
Residential Area



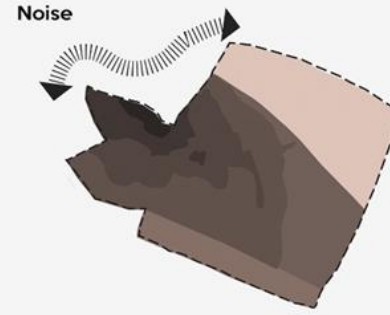
Immediate context of site is rubber plantations much noise pollution won't be there as well as pollution will be much less as compared to cities, a calm environment can be expected for campus. There is a residential area to the north western side of site from which there is a chance of noise from that area, that area should be noise buffered.



The driest month is January. There is 23 mm of precipitation in January. The greatest amount of precipitation occurs in July, with an average of 646 mm.



With an average of 29.4 °C, April is the warmest month. The lowest average temperatures in the year occur in July, when it is around 26.6 °C. mostly it rains through out the year



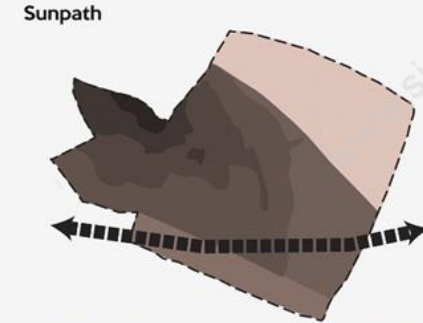
The site has a very less amount of disturbances both in respect of noise as well as traffic. Even though the site is at a very inner area, it is worth the travel, more it adds to when a residential business school comes at that place.

while designing we have to reduce noise level as there is residential area nearby not to generators and other devices there because it creates lots of noise.

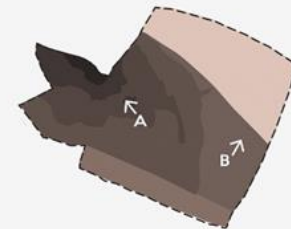


The wind direction in the site is south-west, major winds from the west.

The site drainage is to its sides which are the lowest of the site and the runoff shall be those sides. The meenachil river flows through the back side of the area. The vegetation the site proves the abundant availability of water. the site is a flooding area, for the last flood the site was at 2feet high water at the 100 level.



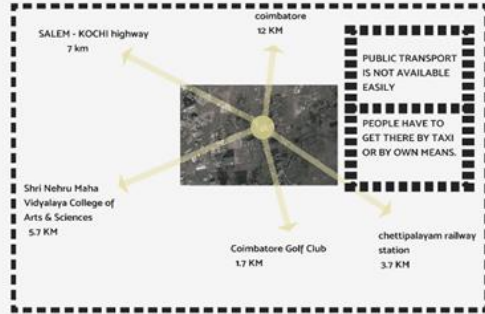
Key plan



SITE analysis

Live case study inference

FIREBIRD
INSTITUTE OF RESEARCH IN MANAGEMENT



SITE AREA : 5 Acres

THE PROPSD SITE AREA IS 7.41 ACRES AND SITE AREA OF FIRE BIRD CAMPUS IS 5 ACRES WHICH MAKES IT REALLY EASY TO COMPARE AND REFER.

STUDENTS : 240

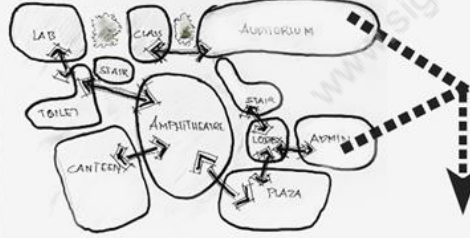
TEACHING STAFF : 10
VISITING FACILITIES : 2
NON TEACHING STAFF : 10

BUILT UP AREA : 3820 m²

FOR 360 STUDENTS BUILT UP AREA WOULD BE AROUND **5800 m²**

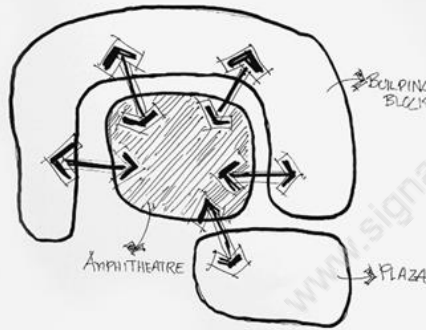
NOT A DISABLED FRIENDLY CAMPUS AS THERE ARE STEPS BETWEEN RAMPS WHICH MAKES IT HARD TO MOVE FOR THE DISABLED.

04

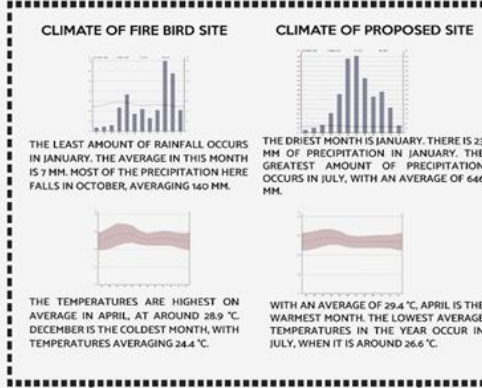
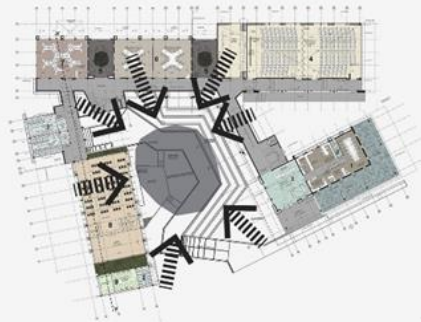


MAJOR CONNECTIVITIES

ZONING IS DONE IN A WAY THAT AUDITORIUM AND ADMINISTRATION DEPARTMENT IS NOT SEEN DIRECTLY FROM AMPHITHEATRE BECAUSE THEY ARE LESS USED BY STUDENTS ALL OTHER SPACES ARE DIRECTLY SEEN FROM AMPHITHEATRE WHICH GIVES OPPURTUNITIES FOR THE STUDENTS TO INTERACT EACH OTHER.



AMPHITHEATRE ,WHICH ACTS AS THE CORE OF DESIGN,TO WHICH ALL THE INTERNAL SPACES LOOKOUT,IS THE MAJOR SOURCE OF LIGHT.THE WHOLE BUILDING CREATES AN ENCLOSURE TO THE AMPHITHEATRE MAKING THE VERANDAH ,A GALLERY SPACE ,AT TIMES OF PROGRAMMES.



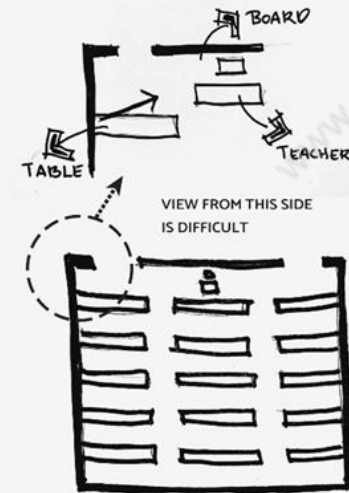
CLIMATE OF TAMIL NADU IS ENTIRELY DIFFERENT FROM KERALA AS BOTH THE SITES ARE IN DIFFERENT STATES

RAINFALL IS A MAJOR FACTOR WE HAVE TO TAKE CARE AS COMPARED TO SITE IN COIMBATORE THEY HAVE A LITTLE RAINFALL THERE WE HAVE RAINFALL MOSTLY THROUGH OUT THE YEAR



OPENINGS ARE GIVEN IN SUNSHADE WHICH IS NOT A PROBLEM IN TAMIL NADU BUT IT CAUSE SERIOUS PROBLEM IN KERALA,BECAUSE IN KERALA IT RAINS ALMOST THROUGH OUT THE YEAR SO RAIN ENTERS THROUGH THAT HOLE AND USE OF SUNSHADE BECOMES OF NO USE.

COLUMNS SEEMED TO BE EMERGED FROM LANDSCAPE ,THEY ARE COVERED BY LANDSCAPE ,COLUMNS ARE PUSHED OUTWARDS FROM BUILDING AS THEY DON'T BREAK THE VIEW TO AMPHITHEATRE



STUDENTS SITTING ON THE FRONT SIDE ENDS PLACED NEAR THE WALLS WON'T BE ABLE TO SEE THE BOARD CLEARLY AND THEY WILL FEEL STRAIN TO NECK AS THEY HAVE TO TILT THEIR HEAD TO THE BOARD ALWAYS , CLASS ROOM LAYOUT IS A DEMERIT TO THE DESIGN

05



“An empty room is a story waiting to happen, and you are the author”

DESIGN PRINCIPLES

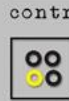


emphasis
Emphasis is something we all know about. It simply means that every room or space has a focal point, whether it is architectural or an object. A fireplace is the most common architectural focal point. Oversized artwork or a large piece of furniture can also be a focal point in a room.



alignment & balance

In design, balance creates a feeling of equilibrium. It is all about equalizing or approximating the visual weight of objects. Balance is created not just through shape, but through color, pattern, and texture as well.



contrast

Contrast in a room can refer to color, form and use of space. As with repetition, a little contrast goes a long way.



scale & proportion

Proportion, on the other hand, refers to the size of one object to another.

Scale relates to the size of objects within a space.



rhythm

Rhythm, in music and interior design, are similar in nature. Consider the rhythmic beat of a song and repetitive design elements in a room.



white space

White space isn't sitting there doing nothing—it's creating hierarchy and organization. Our brains naturally associate ample white space around an element with importance and luxury.



kiran merit.



MOOD BOARD

Hung light design

materials used :bamboo,bottles,rope,led rope,
steel frame.led bulbs.

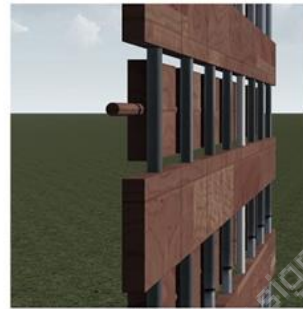
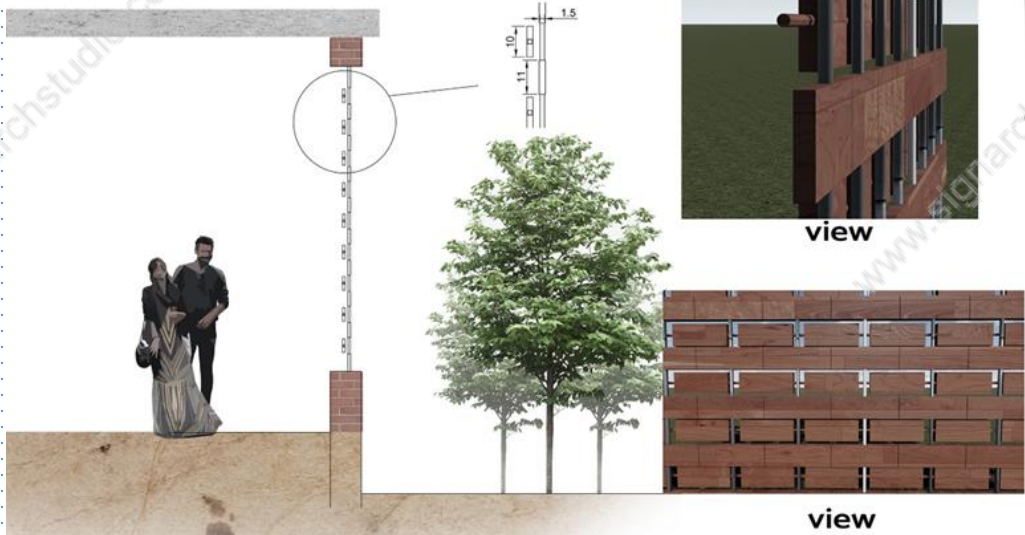


05

INTERIOR DESIGN

SEMESTER 05

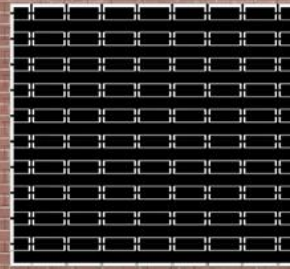
window design



view



view



closed state

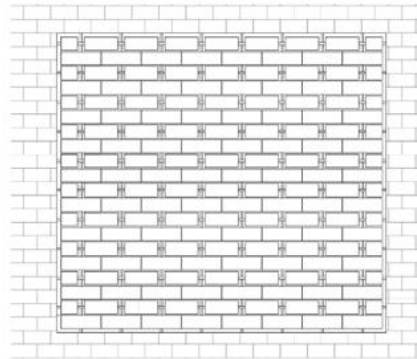


opened state

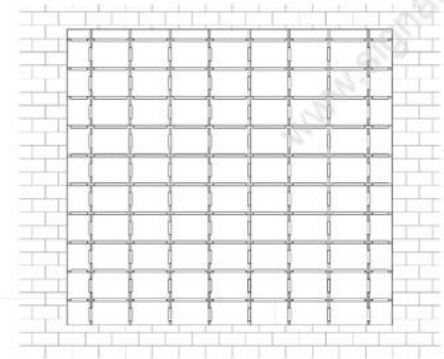


closed state doesn't give a complete privacy as there is gap between the wooden blocks. It allows the passage of wind through the gaps between the blocks. Gaps are given because wood can expand in rainy season.

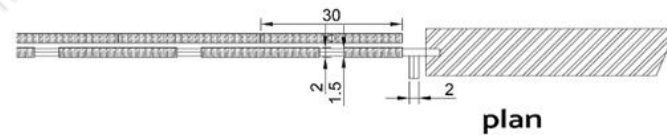
maximum view is possible with grid shape alternate wooden blocks rotate in alternate angles so maximum view is possible. else it would have been a linear gap which gives minimum window can be given to a semi public area like the outside should be a covered courtyard or something. horizontal wooden blocks can be rotated by the handle bar given at the bottom of wall and the vertical wooden blocks can be rotated using the handle bar given at the side of the wall, window can be of our own desired shape.



closed state



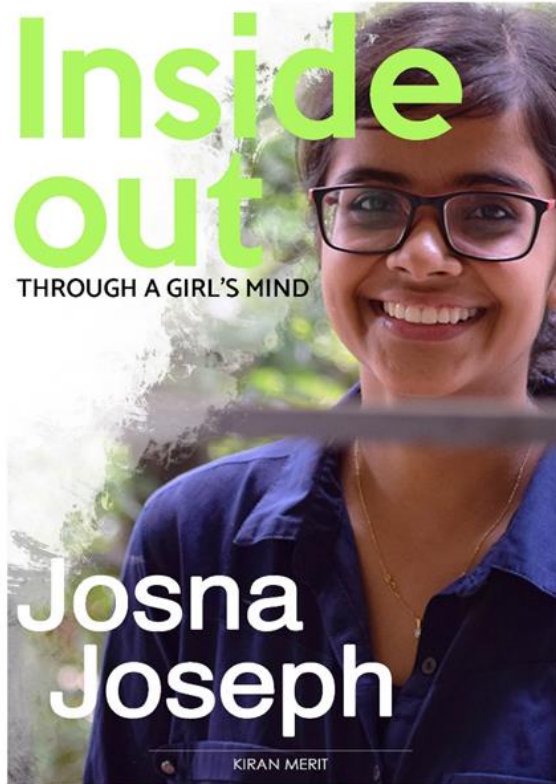
opened state



plan

POSTER DESIGN

SEMESTER 06





THANK
YOU.