



ARCHITECTURE PORTFOLIO

SHANA K



SHANA
Architect

An aspiring architect and designer who is a keen observer with an eye for good art, knowledge, design. An enthusiastic learner with a deep passion for architecture. I believe in learning from people coming from different walks of life hence enjoy working in a team and managing one.

Currently , I am searching for an opportunity to work and assist with your organization. I will be glad for every opportunity to learn and motivate me to become a good architect.

I hope you enjoy going through my works as much as i did while putting it together.

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Rahmah house, Fire station road, Perithalmanna, kerala



SHANA K
Architect

Education

Eranad Knowledge City college of architecture
Cherukulam, Manjeri, Kerala, 676122

Bachelor of Architecture
University of Calicut (2016 - 2021)

Peeves Model school, Nilambur
Higher secondary Education

Skills

Architectural Visualisation
Sketching
Design Development
Research and Development
Organising Projects and Events
Photographs
Presentation
Physical Model Making
Videography
Leadership Quality
Teamwork

Software skills

Autodesk Autocad
Sketchup pro
Revit Architecture

Lumion
V-Ray

Adobe Photoshop
Adobe illustrator

Ms Word
Ms Excel
Ms Powerpoint

Languages

English
Malayalam
Tamil

Female

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Achievements

Hosted ENIGMA Zonal Nasa Convention
2018 - Coordinator

Hosted Malappuram GALA
2019 - coordinator

Attended Tensile Structure Workshop
DG College of Architecture Vagamon, 2017

Attended Zonal Nasa Convention
SRM, Chennai

Special Mention in Muhammed Saheer
Landscape Trophy
SJB Institute of Technology, Bangalore, 2019

Shortlisted Annual NASA Design Competition
60th ans 61st Year
2017 - 2018

Hosted DESIGNCON 2019
GHSS Karaparamba - coordinator

Practice and Experience

Ma'din College of Engineering and
Management - Architect Faculty
Malapuram ,Kerala ,2023-2024

Blue Ladder Constructions- Junior Architect
Perithalmanna, 679322, 2022-2023

Freelance/Consultant Architect
Perithalmanna ,Kerala ,2021-2022

DAC - Intern Architect
Thurakkal, Manjeri,676121

Design Ashram Consultants - Intern Architect
Gujarathi street, Kozhikode,678001

Interests

Photography
Videography
Travel
Music
Movies

A detailed topographic map background with intricate contour lines of varying thicknesses, creating a complex, organic pattern across the upper two-thirds of the page.

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07

01 AYURVEDA MEDICAL COLLEGE
CALICUT, KERALA



01

AYURVEDA MEDICAL COLLEGE, CALICUT

PROJECT

Architectural Thesis project

LOCATION

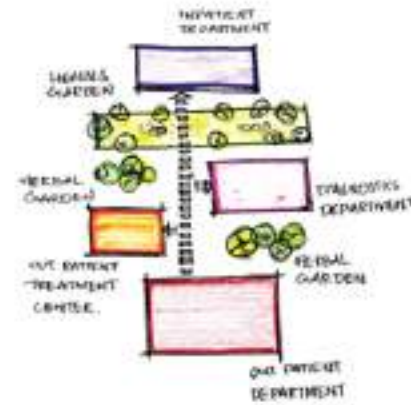
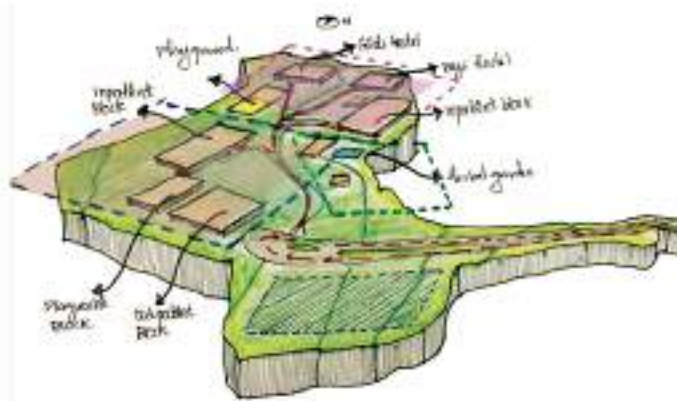
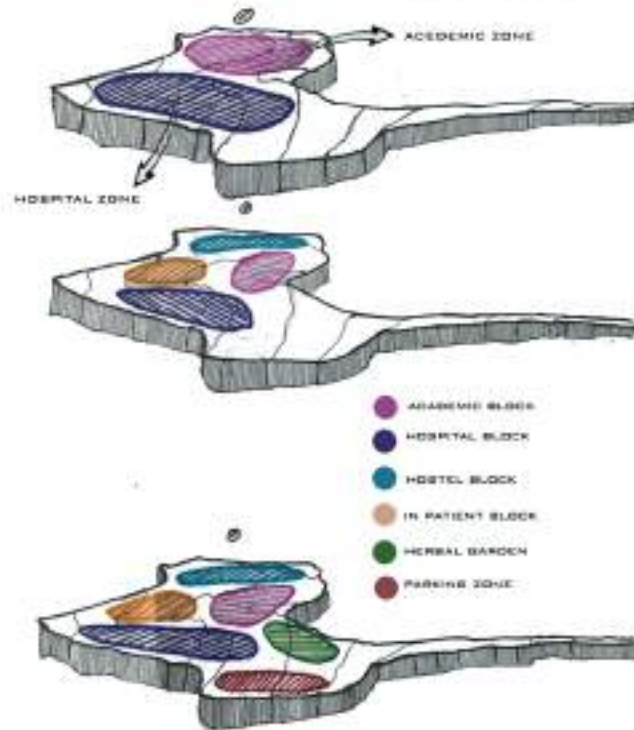
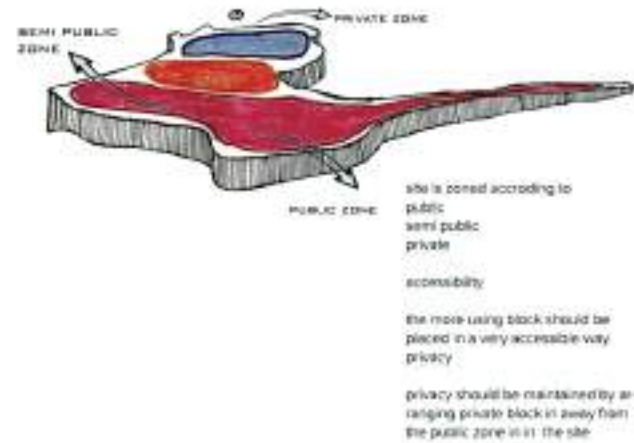
Pantheeramkavu, Calicut.

ABOUT

Ayurveda is a system of medicine evolved in India by around 600 BC. It eliminates all toxic imbalances from the body and helps to resistance and good health. It is a holistic approach that is the mind and the body is viewed as a whole. Kerala is the main centre for Ayurveda. Kerala has gained international attention for medical tourism and is becoming a popular international tourist destination. So, research and development in this field is very essential.

An Ayurveda Medical College is proposed in Pantheerankavu, Calicut, with a site area of 19 acres. The goal is to design an ayurvedic medical college which will boost the factors like economy, tourism, providing better and natural health care facilities and deliver highly skilled practitioners to the society.

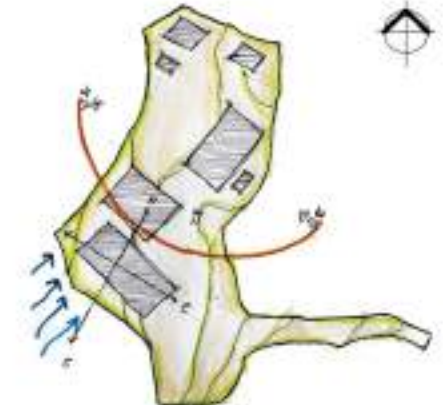
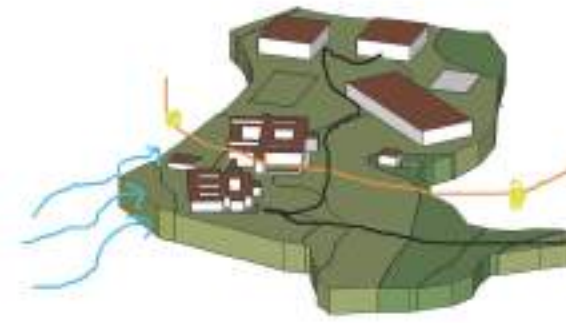
Site Zoning



- The whole site was initially zoned into hospital and academic zones. priority is given to the patients so the hospital zone comes first and then the academic zone.
- The hospital zone is further divided into out patient department (OP) and In patient department (IP) among which the out patient is given first so that patients can access leave the facility easily. The in patient department is pushed further inside for privacy and calm environment.



- The academic zone is further divided into institution building and hostel. among which the hostel blocks are pushed towards the end of the site for privacy.
- The academic was planned keeping the idea of having open calssroom, where the class room opens into a herbal garden where students can study about plants also allowing good amount of light and ventilation.



Considering the sun's position, orientation of the settlements pattern should be placed preferably on southern or northern slopes. The best orientation is longer sides facing north and south directions to protect from the solar radiations. However the east and west sides should be shaded by shading devices. Building should be oriented along the wind direction with the longer axis intercepting the predominant wind directions. Cross-ventilation acts more effective in interior spaces by enlarging the openings of the internal partitions and by providing free passage, courtyards, veranda, etc. Considering both sun and wind conditions at the proposed site.



In order to take the advantage of air circulation, an open settlement pattern is preferred, where buildings are separated with large free spaces. This pattern enhances the air-flow thus facilitating proper ventilation.





In Patient Department Block



Section D



Section C



East Elevation



South Elevation



Ayurveda Campus Block



Ground floor plan



First floor plan



Section E



Section F



West Elevation



South Elevation



The site contains a small scale pond in the east side of the site, so this existing feature should be conserved by making it as a traditional kulam and kulipura for the recreational purpose by giving a relaxing and view point to keep attractive. this provides a calm and beautiful environment.



Students can use herbal garden for studying about the ayurvedic herbal, herbal garden contains hundred varieties of medicinal plants, The objective of the herbal garden is to create awareness of conservation and traditional uses of herbs and medicinal plants to visitors, and to also be a place where students, farmers, and others can learn how to identify and conserve these important plants.



Site area - 16 acres
The site consist of 1 meter level contours and design is done by maintaining the contours or by cut and fill method. All the main rooms are arranged horizontal and vertical plane to create a design that takes advantage of views.

02

CLUBHOUSE

PROJECT

Major project in s5

LOCATION

Mini Ooty, Arimbra Hills, Kondotty

ABOUT

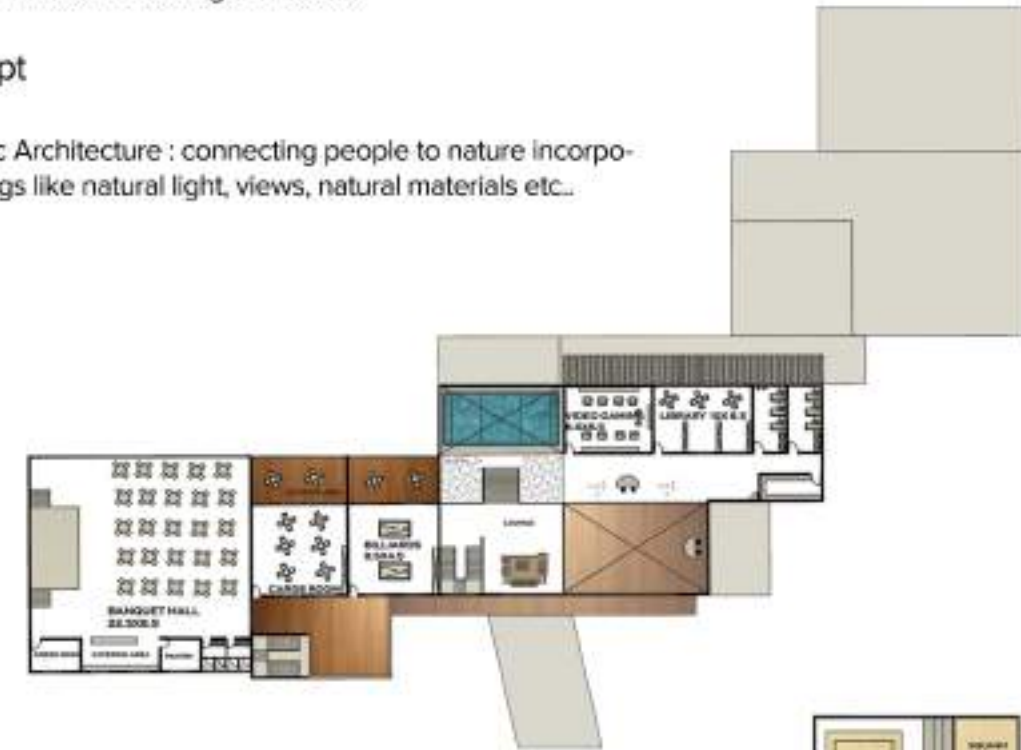
Clubhouse is a privately owned club, often with a membership quota and admittance by invitation or sponsorship, that generally offers both a variety of recreational sports and facilities for dining and entertaining. Typical athletic offerings are golf, tennis, and swimming. The design involve an innovative luxurious and professional space with complementary refreshments and comfortable accomadation facilities for members and guests. Clubhouse provide gymnasium, spa, library, gamerooms, lockrooms functional hall, meeting spaces, restuarents and bar.



The site consist of 1 meter level contours and design is done by maintaining the contours or by cut and fill method. All the main rooms are arranged horizontal and vertical plane to create a design that takes advantage of views.

Concept

Biophillic Architecture : connecting people to nature incorporate things like natural light, views, natural materials etc..



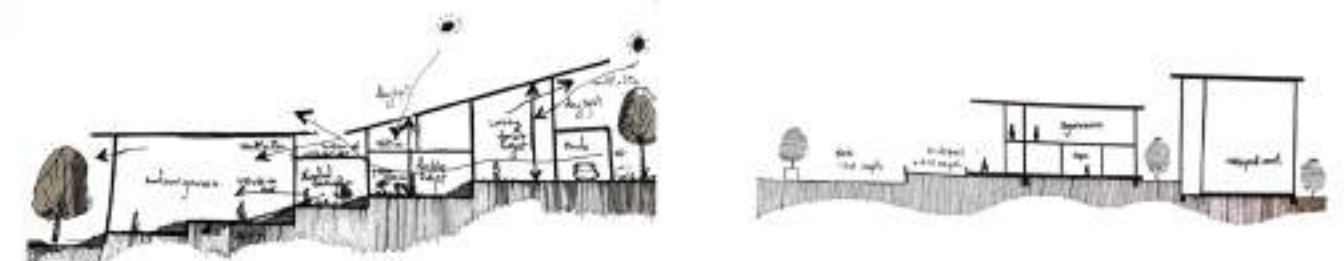
Site Plan Site area - 16 acres



First floor plan



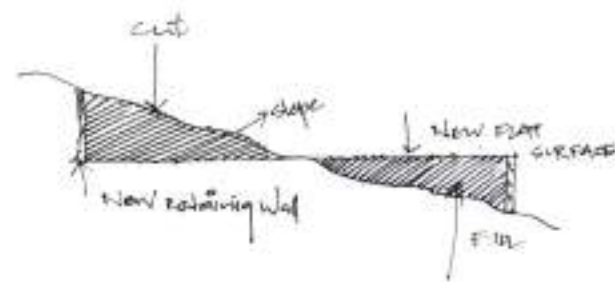
Ground floor plan



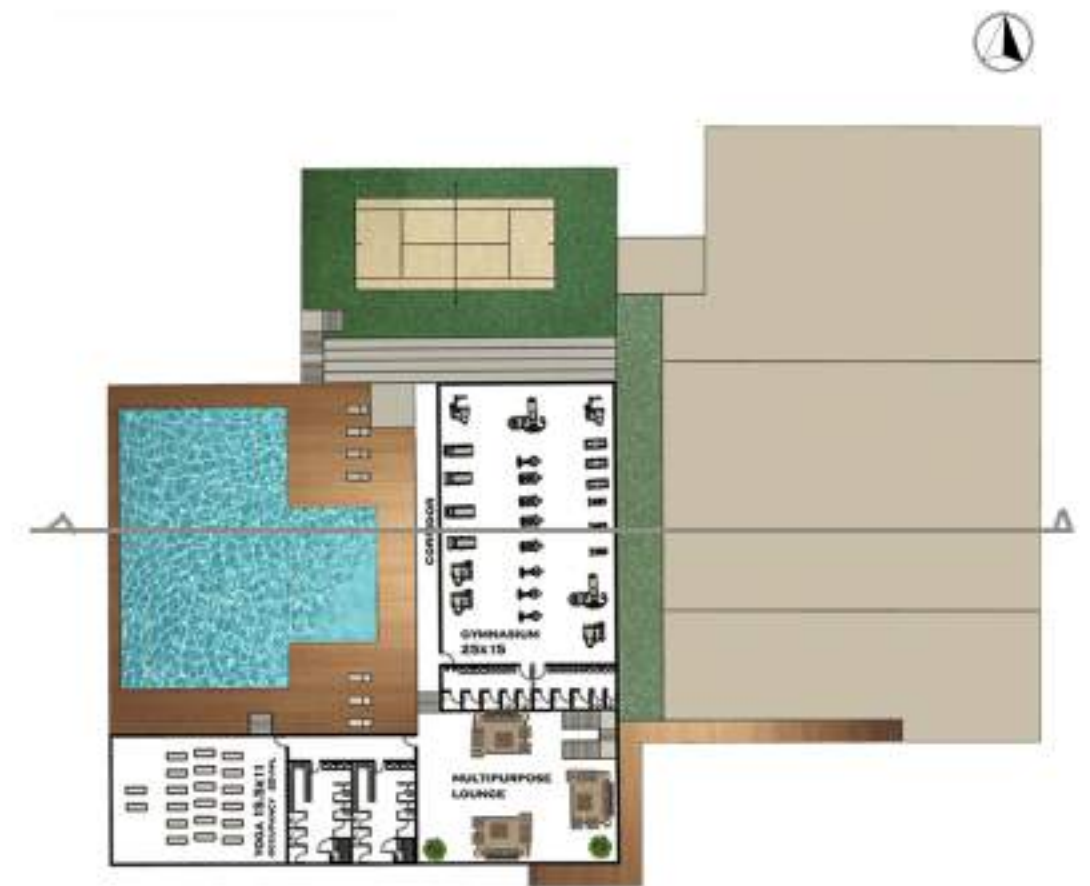
Schematic sections showing the levels



Block two consist of spa, Gymanesium, Yoga centre and game room. Game room is designed for a variety of games including billiards, table tennis, chess, volleyball, basket ball, squash, kickboxing, badminton, swimming pool.



Method used for designing contour site



First floor plan



Ground floor plan



03

MOBILITY HUB ,CALICUT

PROJECT

Architectural design project in s9

LOCATION

Malapparamba, Calicut, Kerala

ABOUT

A Transit Oriented development for Calicut. Calicut Mobility Hub is the solution for the existing transportation means by the redevelopment or reimagine the existing transportation. Aim is to design a transport and passenger friendly and convenient mobility hub, which creates a comfortable travelling experience for the public through linking different modes of transport like monorail, buses, auto taxis and bicycles that enables a safe and secure movement and accessibility.



These are places which bring public together, shared and active travel modes with some public realm improvement and identifying sign. They deliver significant improvements for the environment, boost mental and physical health, and create places which everyone living nearby can be proud of. They present economic opportunities too, with many of these hubs attracting new shops and commercial ventures as more people flock to use them.



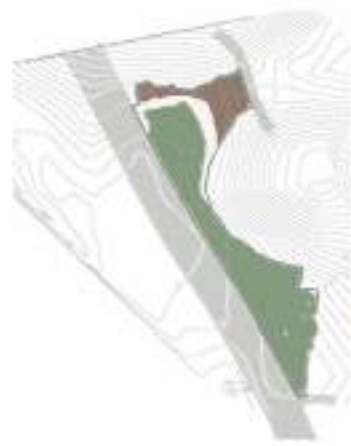
Road Network

- NH766
- NH66
- Cheverambalam road
- Cheverambalam Thondayad road



zoning

- Semi public
- Public
- Private



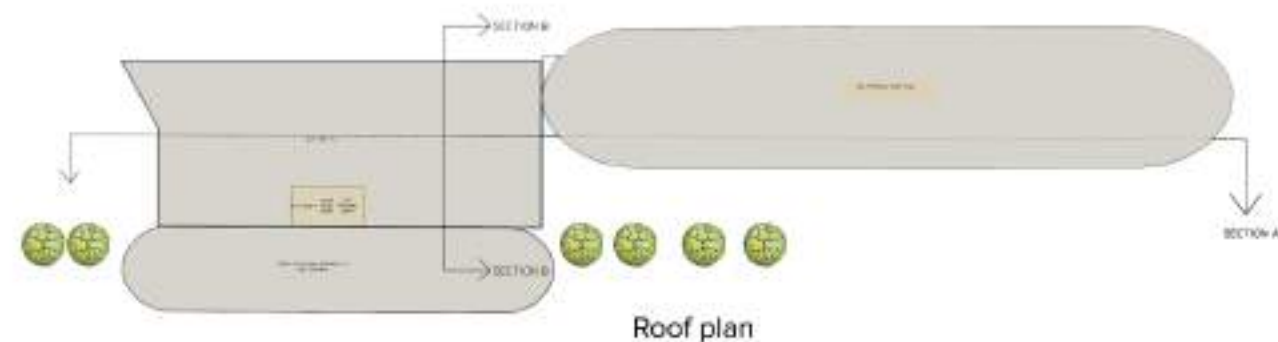
Site contour Detail

- Site above road level
- site below road level

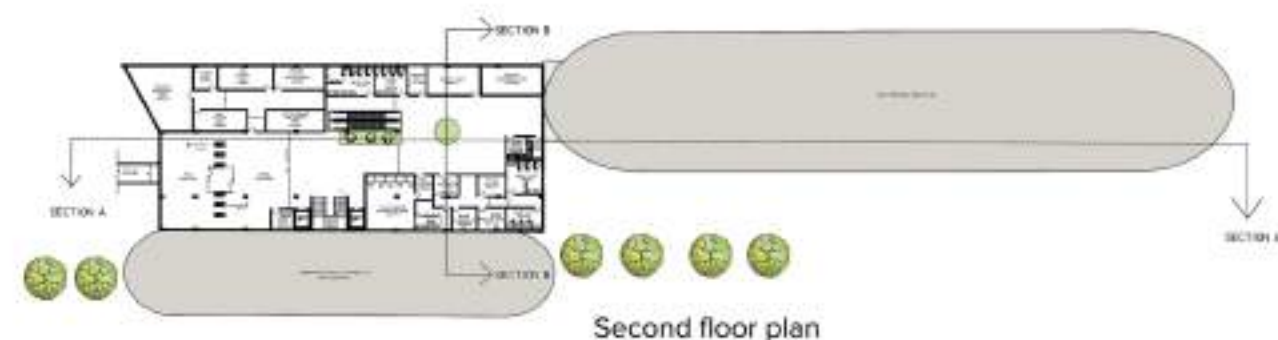


- Node 1 - Malapparamba Junction
- Node 2 - Paacahakil Junction
- Node 3 - Nh66 Byepas Cheverambalam road junction

Bus terminal plan



Roof plan



Second floor plan



Fist floor plan



Ground floor plan

Views



Back elevation



Front elevation



Section A

Site section B





04

RIVERINE RESIDENCE

PROJECT

Architectural Design in S3

LOCATION

Purakkattiri, Calicut, Kerala

Site area = 30 cent

The main requirements of client were views to river ,open feel, double storied , maximum cross ventilation, family interaction spaces, Being a riverside plot, the design aims to maximise south facing views of the river by providing shades for cutting off glare from the southern sun.

ABOUT

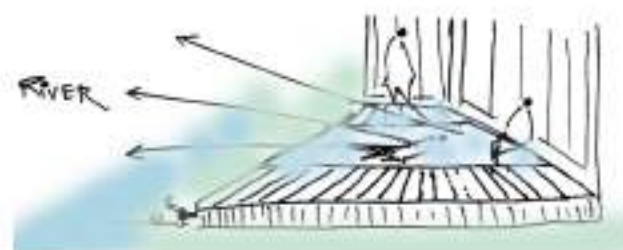
A residential project which is done for an advocate client. The plot area is 32 cent. This was done according to the requirements of an advocate and his family four members. center of attraction is the inner courtyard. Most of the spaces provide unceasing vista to the river without compromising maximum ventilation.



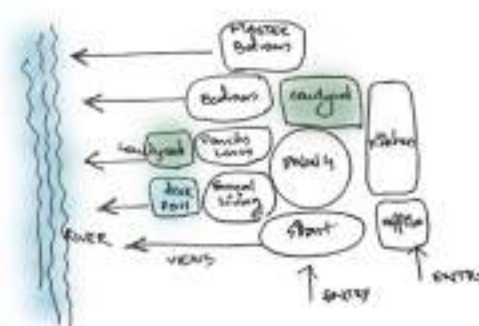
First floor plan



Section



Outdoor swimming pool with river view



Plan showing bedrooms, living room, dining hall and balcony having river to the beautiful river



Ground floor plan



05

MIDLAND COMMERCIAL

PROJECT

Commercial project at Dac, 2020

LOCATION

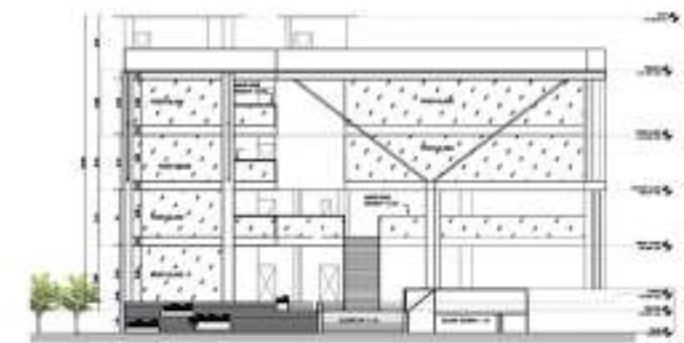
Manjeri, Malappuram, Kerala

ABOUT

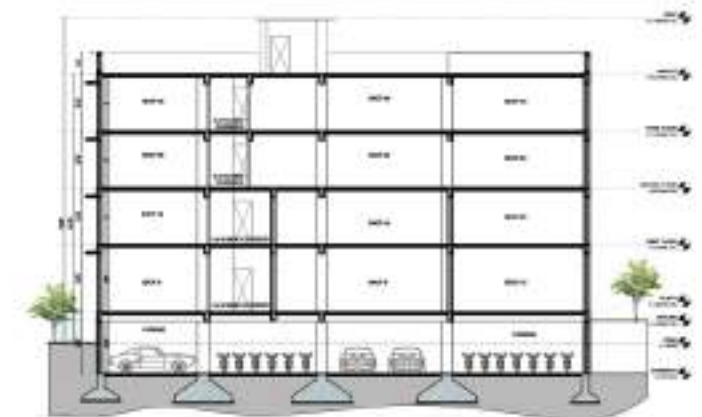
Midland Commercial project is the design project that i have dealed during my intership days. Midland Commercial is located at Thurakkal, Manjeri, Malappuram.It lies between kairali cinemas and orthopedics center. It acts as the shoping center with huge potential, It includes collection of independent retail shops,and have spacious under ground parking area.



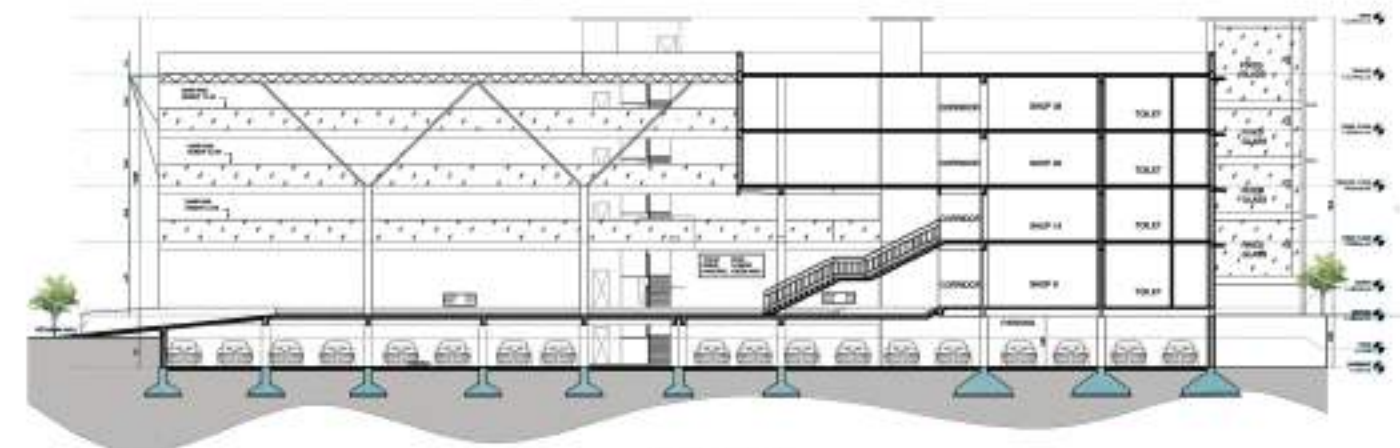
Side elevation



Front elevation



Section B




Section A



Ground floor plan

First floor plan



"..Ponnani used to be the heartbeat of malabar. Trade exports and fisheries flourishd through the sea hrbour and old townways. She was as famous as Mumbai and Banglore as of today as ponnani had such Importance. Sea waves where the reason.."

06

PONNANI HARBOUR REDEVELOPMENT

PROJECT

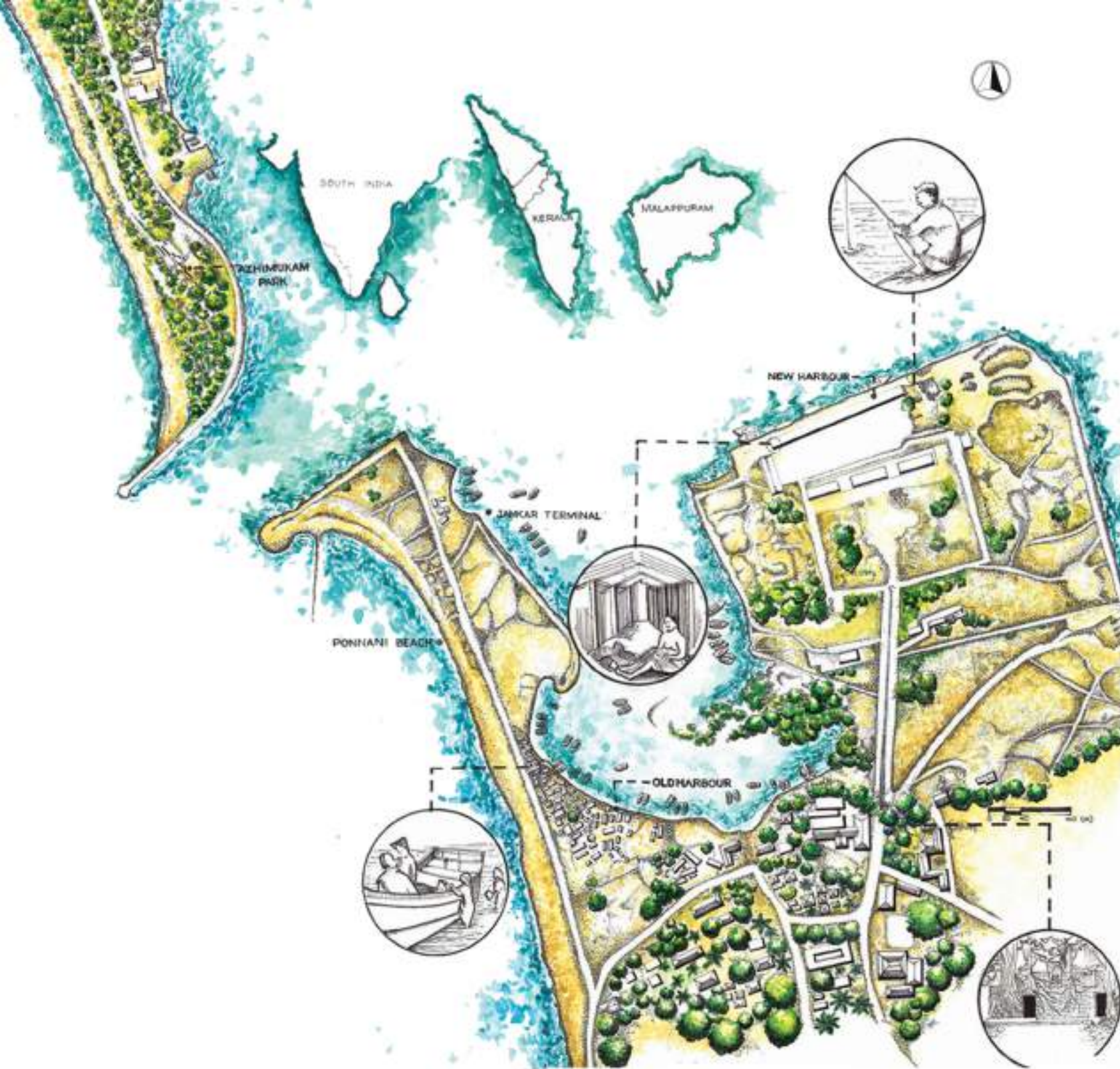
Muhammed Saheer Landscape Trophy Competition
Project 2019

LOCATION

Ponnani, Malappuram

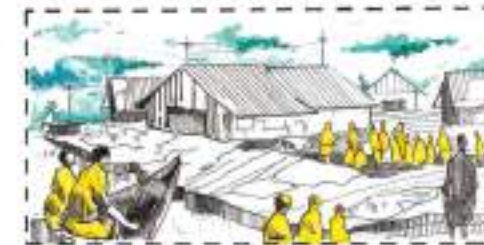
ABOUT

Ponnani, once knowns the "Little Mecca of Malabar" .It is situated at the estuary of Bharatappuzha (River Ponnani), on its southern bank, and is bounded by the Arabian Sea on the west and a series of brackish lagoons in the south.The new harbour made in ponnani, Kerala after the old become oversaturated. But the new one never met the requirements. It wasn't built as they expected.



The blind planner has absent mindedly made dares with the wave currents and wind. This is the main annotations as this caused the built structure to rock. The boat causing damage to the already un-scientifically constructed structure. Odour is another sure outcome as there are not a single possible way for waste treatment in the present plan.

A better solution includes usage of snake plants in required locations as terminanting fishing odour is impractical. Circulation is another blind spot in the current sketch.



THE INSUFFICIENT OLD HARBOUR



RESULT AS EMPTY AS THE PROMISES



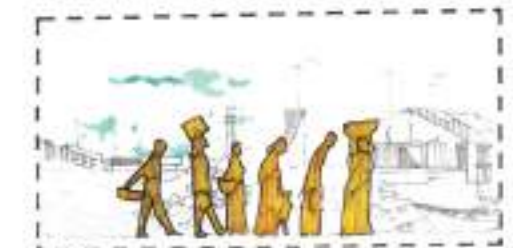
FAKE PROMISES TO BE BROKEN LATER



UNSCIENTIFIC CONSTRUCTION



EXPECTATIONS - IMAGINATIONS - DREAMS



BACK TO OLD HARBOUR

Landscape in our perspective is the sculpting of a defined area organically with obligations that are primary rather than merely aestheticating without any functional purpose.

Concept

The concept is similar to balancing a mathematical equation. In the present scenario. The existing place which the sailors and fishermen are using the great value and importance even though there is nothing properly built or properly functioning. It has value since its organic origin. Later on the new harbour was built. The new proposal became an unnecessary space with zero value which is an excellent product of mindless development.

This organic built form and space is what our design brings balanced to. At present the old so called harbour is at a higher level of use and importance in comparison to the new harbour. Through this design we bring equilibrium among the two.

The proposition is zoned into 3 phases in total

Phase 1 : comprises the areas of the harbour

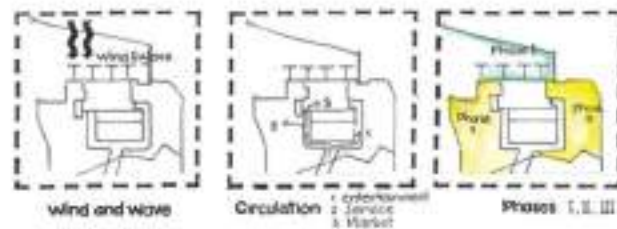
Phase 2 : Includes the harbour's service

Phase 3 : It is the development of an entertainment zone. This is the point where our design proposal uplifts the lower limitzone creating balance.

Phase 1 - The sign asends by eliminating the current framework new barrier of seawall are built from the eastern side is longer extent and a smaller seawall at the west end. This reduces the tidal waves, now compartments are constructed with an entry length of 20m. The smaller boats are the boats one's containing this bay as the goods are redistributed from the larger ships to smaller boats.

Phase 2 - Initially parking for heavy vehicles are considered. Now the design considers the value for waste treatment where the fish waste are treated and a better consideration for women as an initiative dry fish section for their empowerment.

Phase 3 - Ponnani has a diverse culture and being a coastline region.

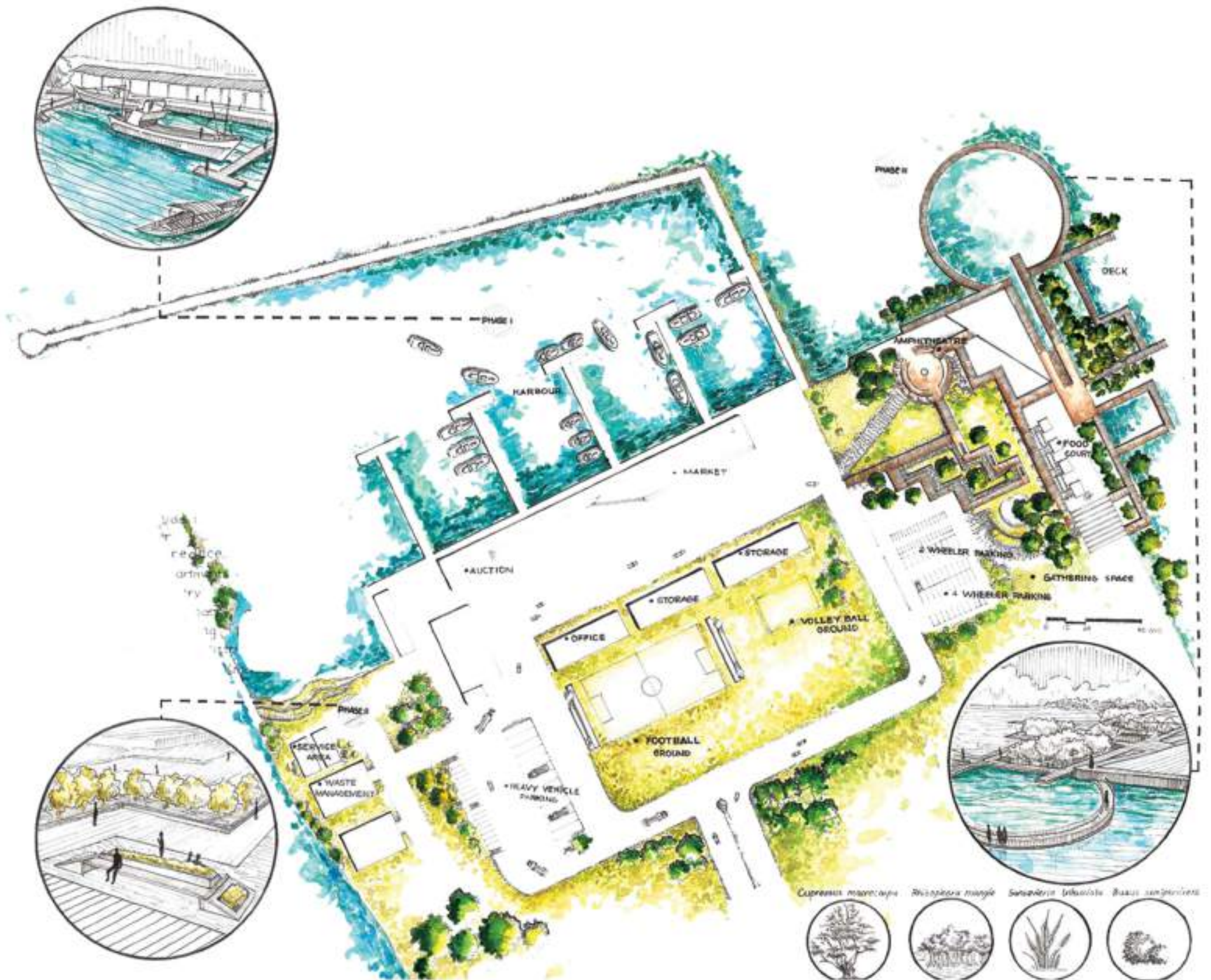


This evolves this obligatory considerations or a recreational zone. The zone is an opportunity for new jobs, food, a laze fishing corners and seawalks. Recovering the memories, old sailors and resident the site was talking about her stature of youth. The ponnani we saw today as ponnani had such importance seaways were the reason. The old seamen explained.

New harbour set out sails

Ponnani ,Govt has raised green flag at the ponnani harbour sailing have began at the newly constructed harbour. An amount of 37 crore is spent on the project. It includes storage space, boat parking bays and an unloading deck. The initiative taken by the govt makes convinience for the sailors and fisherman, the old harbour had no facilities or requirements.

Filling mass of expectations into the fisherman's minds ,the new harbour is a great bane and threat to its users. The constructions methods were unscientific meeting, big flaws even at the basic level in the harbour where boats are supposed to park crashed and trembled into the bay caused maintainance issue. The harbour is a quagmire and a nightmare to the fisherman. Only a shadow at the expected outcome was finally retrived. Promices made to the sail-ors were huge , they were empty eyed at the end of the day. An im- balance has incurred here. The project laid out by govt had huge experience of above crores, nothing went useful in the end. The same imbalance occurred for the time after time





MISCELLANEOUS

hosted events, working drawings, sketches and photographs

This is where all of my few interests and hobbies that are summed up and collectively represented here. It includes mainly sketches and photographs and most importantly the events that we conducted during our college days.



60ST ZONAL NASA CONVENTION 2018 ZONE 6

We hosted the 60 first zonal nasa convention 2018 under the title 'ENIGMA'. It was the largest zonal convention held with more than 2000 delegates. We had international architects key notes including architect Christ Precht and architect Francis D.K Ching. It was a whole new experience for the student architects around South India. The program had a great review and set a mark in the NASA fraternity.



MALAPPURAM GALA

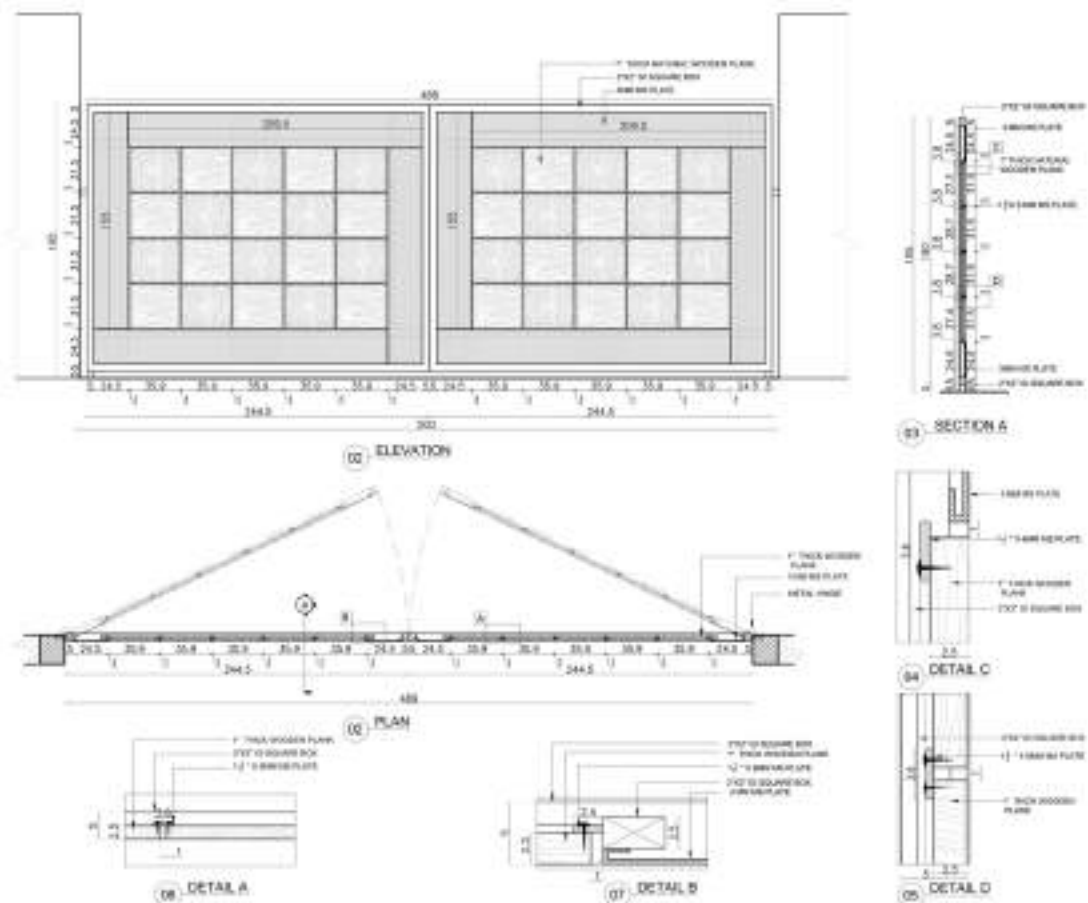
Malappuram Gala is a public event hosted by EKC college of Architecture, which is a festival of music, art, culture and architecture.

As part of the event we've done a magazine called Ruya, which is the end product of analysing public issue and suggesting solutions for the same. The event gained popularity and the visit of MLA made the event more attractive.

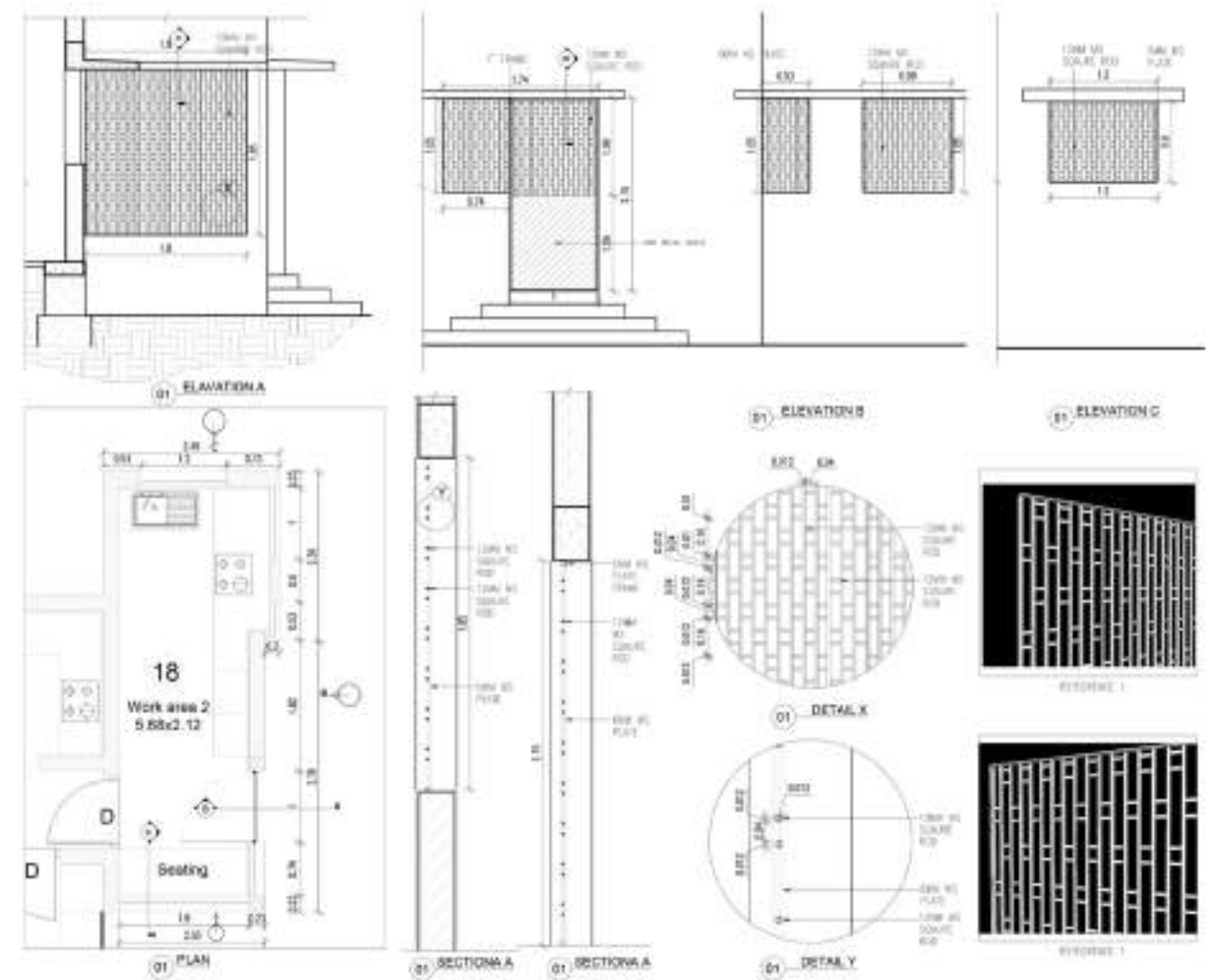




Plan section and elevation for completion drawing



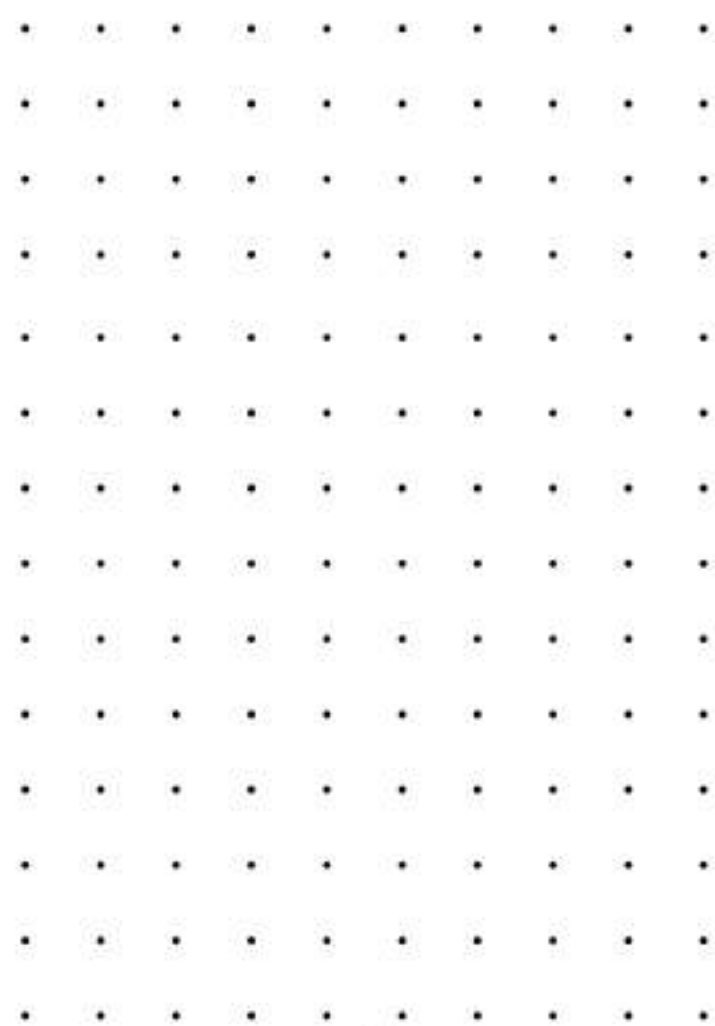
Gate detail drawing



Kitchen grill detail drawing

Restroom interior









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