



UNDERGRADUATE

**ARCHITECTURAL PORTFOLIO**

POOJA C GANESHGUDI

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4TH YEAR , B ARCH

AGE : 23

NATIONALITY : INDIAN

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MOBILE: 9741740791

DURATION : 1 YEAR ( 2 SEMESTER)



“SEEKING 5TH YEAR INTERSHIP IN AN ARCHITECTURAL FIRM THAT WILL ENHANCE MY SKILLS AND ENABLE ME TO LEARN AND PRACTIC ARCHITECTURE IN A MORE EFFICIENT AND SUSTAINABLE MANNER.”

### EDUCATION QUALIFICATION

2016 ( PRESENT) - B.ARCH FROM SRINIVAS SCHOOL OF ARCHITECTURE MANGALORE, KARNATAKA

2009-2011 - DIPLOMA IN ARCHITECTURE FROM JSS POLYTECHNIC FOR WOMEN’S MYSORE, KARNATAKA

### EXPERIENCE

WORKED UNDER AR.VASUDEV SHET (HOD, SRINIVAS SCHOOL OF ARCHITECTURE MANGALORE) AT HAYAGREEV DESIGN STUDIO CAST-STREET , MANGALORE.

PART TIME INTERN AT VIDYA ASSOCIATES , DEVRAJA URS ROAD, MYSORE .

### LANGUAGES PROFICIENCY

ENGLISH

HINDI

KANNADA

### INTERESTS

PAINTING

SHETCHING

CLAY MODELING

PRODUCT DESIGNING

PAPER MODELING

### ACHIVEMENTS

2009-201 - STATE TOPPER IN DIPLOMA IN ARCHITECTURE

2012-2013 - BEST PERFORMER AWARD IN ARCHITECTURE

2013-2014 - BEST PERFORMER AWARD IN ARCHITECTURE

2014-2015 - BEST PERFORMER AWARD IN ARCHITECTURE

### PAINTING , SKETCHING AND CLAY MODELLING

2001 - 1 ST AWARD WINNER AT UNICEF PRATHIBHA .

2005 - SELECTED FOR BALASHRI AWARD AT NATIONAL BAL BHAVAN, NEW DELHI

2005 - 1 ST PRIZE IN WORLD ENVIRONMENTAL PROGRAMME , NATION OF INDIA , MYSORE

2005 - CONFEDERATION OF UNESCO CLUB AND ASSOCIATION, INDIA

2006 - STATE JUNIOR AWARD AT NESLE MILO PAINTING COMPETETION, MYSORE

2009 - STATE AWARD AT PRATHIBHA KARANJI, GULBURGA.

2009 - AWARD WINNER AT SYNDICATE BANK DRAWING COMPETETION , MYSORE

## TECHNICAL DETAILS

AUTO CAD - 90%



SKETCHUP - 85%



LUMION 4.0 - 90%



REVIT - 30%



V - RAY - 90%



ADOBE PHOTOSHOP - 75%



MS - WORD - 85%



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### ACADEMIC WORK

1 URBAN DESIGN  
DEVELOPMENT OF MARKET

7th SEM



8 INTERIORS FOR APARTMENT  
(LIVE PROJECT) - APPROVED



2015

2 SUSTAINABLE DESIGN  
MUSEUM

4th SEM



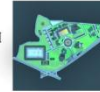
9 WORKING DRAWING (INTERNSHIP)  
(CENTRELINE AND EXCAVATION DRAWING)



2014-15

3 CLIMATE RESPONSIVE DESIGN  
CAMPUS DESIGN

6th SEM



10 RENOVATION OF TEMPLE  
(NASA SHEETS)



2014

4 CLIMATE RESPONSIVE ARCHITECTURE  
PERFORMING ARTS CENTRE

5th SEM



11 BUILDING CONSTRUCTION AND  
MATERIAL SHEETS



### OTHER WORKS

5 MIXED USE BUILDING  
(LIVE PROJECT) - APPROVED

2015



12 PRODUCT DESIGN  
(USING RECYCLED MATERIALS)



6 RESIDENCE AT MANGALORE  
(LIVE PROJECT) - APPROVED

2014-15



13 WATER COLOUR LANDSCAPE  
(SPOT PAINTINGS)



7 RETREAT CENTRE AT SHIMOGA  
(LIVE PROJECT)

2015



14 MODELS

OTHER

## URBAN DESIGN DEVELOPMENT OF MARKET

LOCATION: MOOBBIDRE , DAKSHINA KANNADA  
DISTRICT

CLIMATIC CONDITION: HOT AND HUMID

SITE AREA: 1.1 ACRES (4451.48SQ.M)

BUILT UP AREA: 1624.80 SQ.M

PLOT COVERAGE: 35% MAXIMUM FAR: 2

NO OF CAR PARKS: 100

STYLE: CONTEMPORARY STYLE

MATERIAL: RCC STRUCTURE

### DESIGN BRIEF:

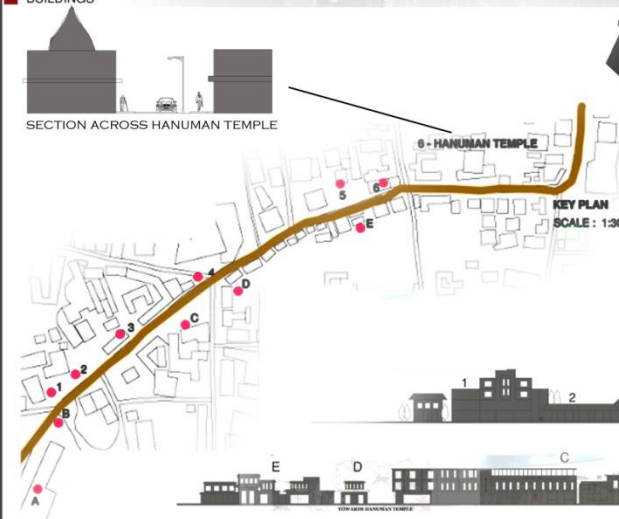
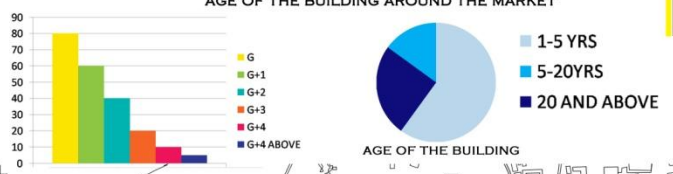
THE IDEA IS TO CREATE INTEGRATION OF USERS AND ACTIVITIES TO CREATE AN EXPERIENCE THAT WILL DRAW CUSTOMERS. IT IS A PLACE WHERE NEED AND PSYCHOLOGICAL BONDAGE IS BUILT BY CREATING HEALTHY ATMOSPHERE FOR MARKETING GOODS. THE DESIGN INVOLVED CREATING UNIQUE PUBLIC SPACE RATHER THAN CREATING JUST A BUILDING. THE COMMERCIAL AND RETAIL SHOPS ARE PLACED FACING MAIN ROADS IN ACCORDANCE WITH SERVICES AND IMPORTANCES OF COMMODITIES. FISH MARKET AND VEGETABLE MARKET ARE SEGREGATED , AS THE PLACE OF INVOLVES MORE OF RELIGIOUS ISSUES. NON VEG SECTON AND VEGETABLE SHOP ARE PLACED IN NORTH WEST SIDE WHICH CONVINENT PUBLIC FROM RESIDENTIAL AREA TO ACCESS EASILY WITHOUT THE RISK OF CROSSING HEAVY TRAFFIC.



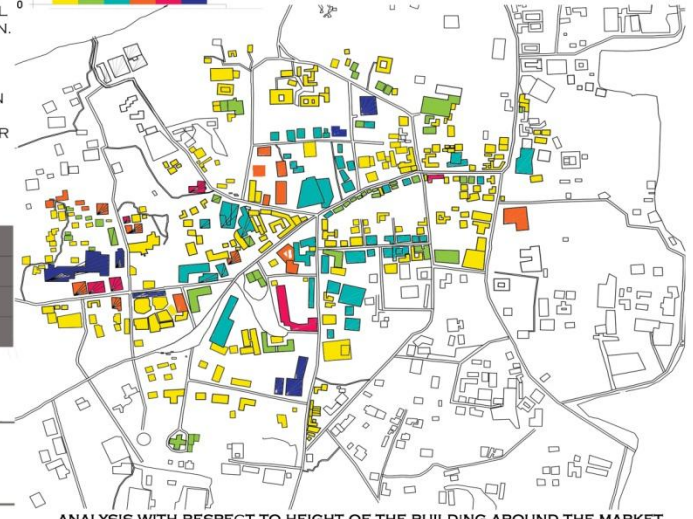
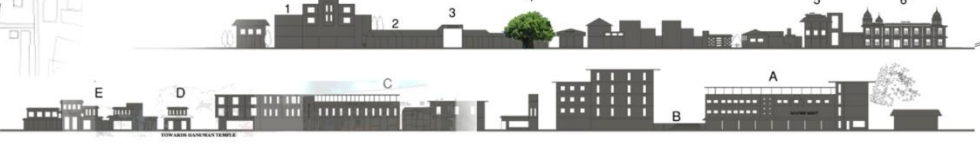
ENTRANCE VIEW FACING NATIONAL HIGHWAY



2015  
**DISTANCES FROM NEARBY CITIES TO MOODABIDRI**  
 MANGALORE - 34.5KM  
 MULKI - 27.5KM  
 KARKALA - 17.9 KM  
 BANTWAL - 30.5KM



**ANALYSIS OF THE CITY**  
 > THE GROWTH OF THE TOWN IS LINEAR, ALONG THE NATIONAL HIGHWAY. THIS IS THE ONLY MAIN ACCESS PATH FOR THE TOWN. THE ROAD BEING VERY NARROW HAS LED TO CONGESTION.  
 > MOST OF THE TEMPLES AND BASADIS ARE FROM THE 14TH CENTURY, WHICH OCCUPY THE MAJOR PART OF THE TOWN.  
 > ALL THE COMMERCIAL BUILDINGS ARE NEWLY DEVELOPED IN THE PAST 20 YEARS.  
 > SOME OF THE HOTELS AND LODGING HAVE DEVELOPED OVER THE PAST 10 YEARS.  
 > MARKET AREA IS THE MOST DENSELY POPULATED AREA. CITY DEVELOPMENT IS AROUND THAT AREA.  
 > LATELY OVER THE PAST 20YEARS MULTI STOREY BUILDING HAVE DEVELOPED.  
 > MANY NEW HIGH RAISED BUILDING HAVE COME UP AROUND THE MARKET AREA. MOST OF THE OLD BUILDINGS ARE SINGLE OR DOUBLE STOREY.



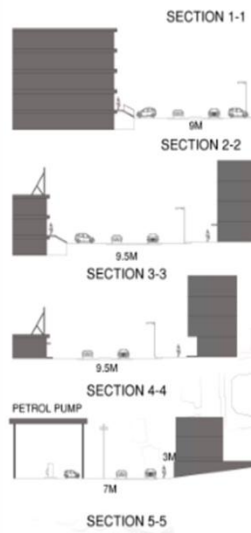
**SECTIONS ON MARKET ROAD**

2015

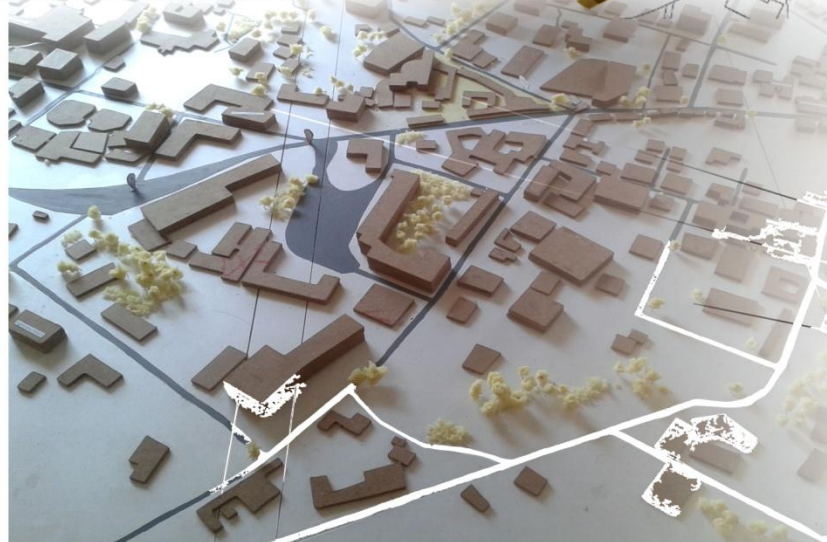


**LAND USE MAP - AREA REPRESENTATION**

- PUBLIC BUILDING AND SEMI PUBLIC COMMERCIAL BUILDING
- RESIDENTIAL BUILDING
- PUBLIC BUILDING AND SEMI PUBLIC COMMERCIAL BUILDING



**SECTION ALONG NATIONAL HIGHWAY**

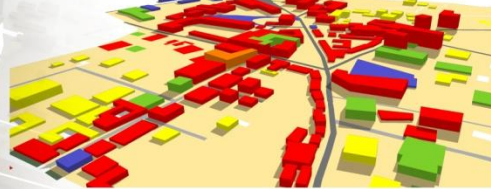


11 THE ROAD AS SEEN IN THE SECTIONS DECREASES DRASTICALLY FROM SECTION 1-1 ALL THE WAY DOWN TO SECTION 12-12. THERE IS ALSO A VERY STRONG CONTRAST OF STRUCTURE WITHIN THE TOWN AS SEEN IN THE SECTIONS, THE FIRST HALF OF THE TOWN IS FILLED MULTI STORIED WHICH ARE COMMERCIAL BUILDINGS UNTIL THE PEEPAL TREE.

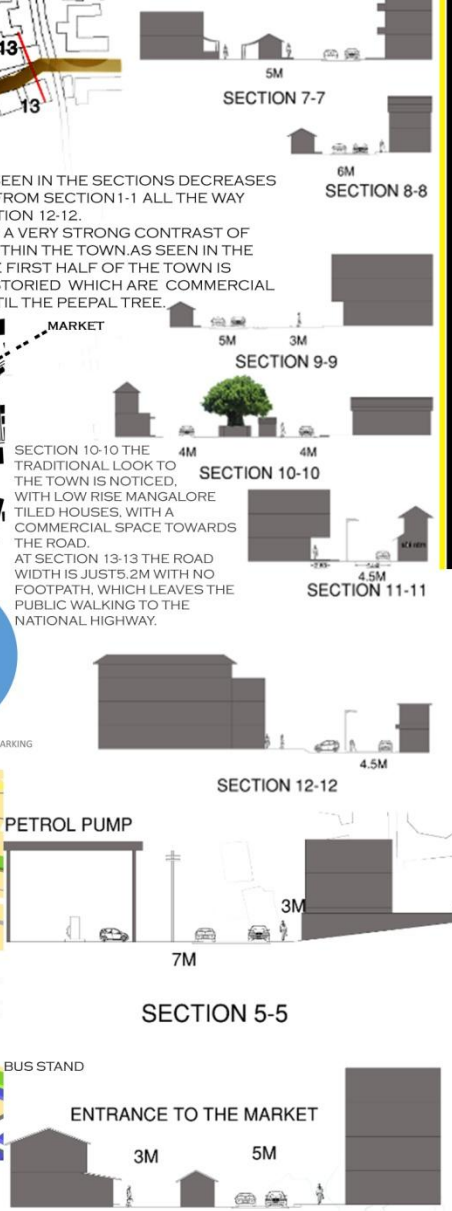


**EXSISTING MARKET ON SITE**

SECTION 10-10 THE TRADITIONAL LOOK TO THE TOWN IS NOTICED, WITH LOW RISE MANGALORE TILED HOUSES, WITH A COMMERCIAL SPACE TOWARDS THE ROAD. AT SECTION 13-13 THE ROAD WIDTH IS JUST 5.2M WITH NO FOOTPATH, WHICH LEAVES THE PUBLIC WALKING TO THE NATIONAL HIGHWAY.



**LAND USE AND BUILDING HEIGHTS ILLUSTRATION**

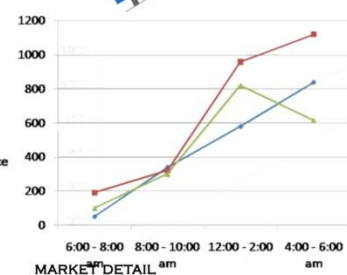
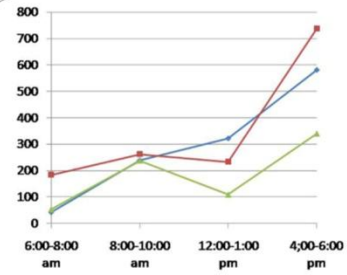


- PUBLIC BUILDING AND SEMI PUBLIC BUILDING
- COMMERCIAL BUILDING
- RESIDENTIAL BUILDING

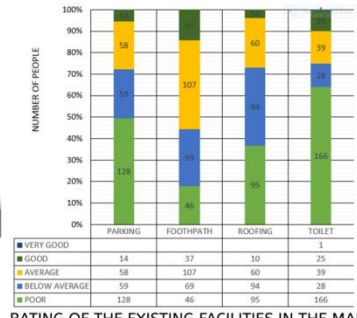
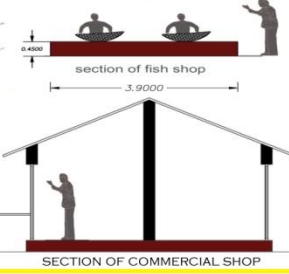
**EXISTING SHOPS IN THE MARKET**



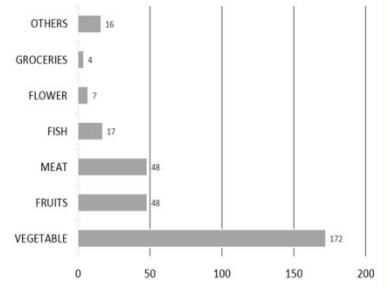
**EXISTING MARKET ANALYSIS**



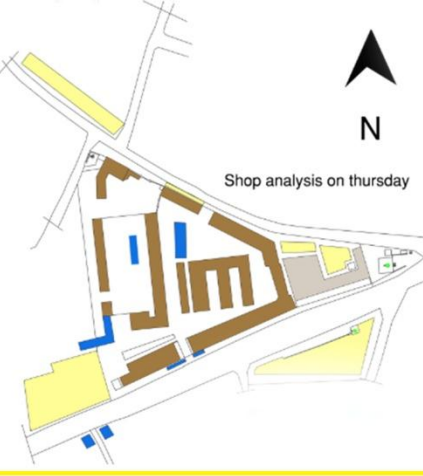
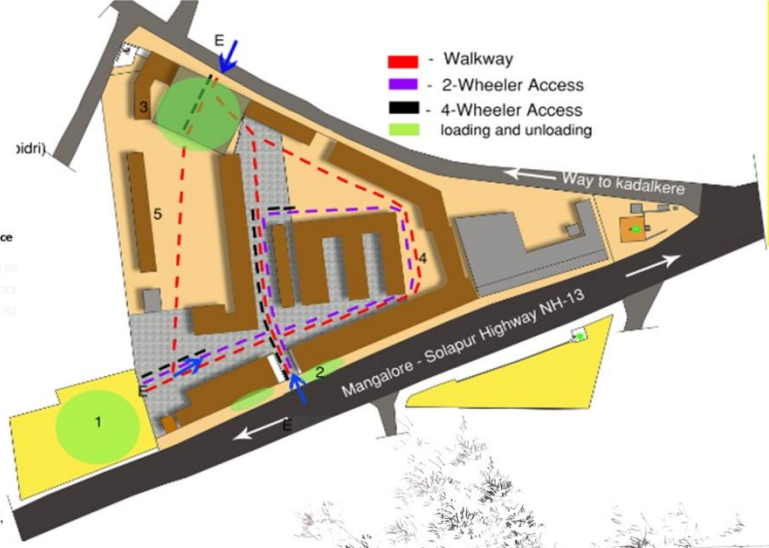
**MARKET DETAIL**  
 TOTAL SITE AREA- 1.1 ACRES  
 EXISTING FAR - 0.44  
 NO OF ENTRANCES ( PERMANENT) - 62  
 NO OF TEPORARY SHOPS - 70  
**CONSTRUCTION DETAIL**  
 WALL- LATERITE STONE (30CM THICK)  
 ROOFING - MANGALORE TILE, ASBESTOR SHEETS, RCC SLAB,  
 WOODEN PARTITION WALLS.  
 TEMPORARY STRUCTURES - TARPOLIN COVER  
 FISH MARKET ROOFING - ASBESTORS SHEET  
 DOOR - WOODEN FOLDING DOORS, COLLAPSIBLE DOORS,  
 SHEET SHUTTER



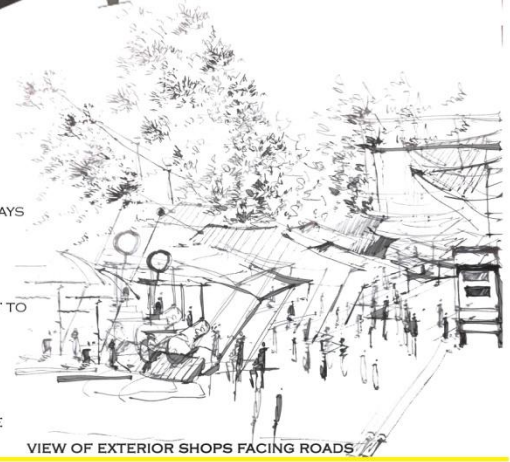
**RATING OF THE EXISTING FACILITIES IN THE MARKET**



**PURPOSE OF VISIT TO THE MARKET**



- ISSUES IN MARKET**
- >NO STORAGE PLACE
  - >NO PARKING
  - >SHOP SIZES ARE SMALL
  - >NO ROOF COVERING FOR PATHWAYS
  - >NO STREET LIGHTS
  - >NO WATER SUPPLY TO INDIVIDUAL SHOPS
  - >LIMITED VEHICLE ACCESS
  - >NO DEFINED ENTRANCE AND EXIT TO THE MARKET
  - >NO POWER BACKUP
  - >NO SECURED STORAGE
  - >PATHWAYS ARE NARROW
  - >NO MEANS OF FIRE SAFETY
  - >NO DEFINED CIRCULATION IN THE MARKET



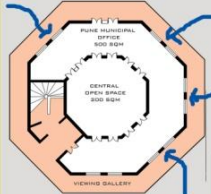
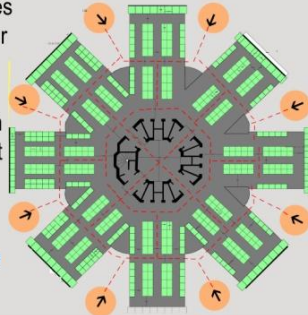
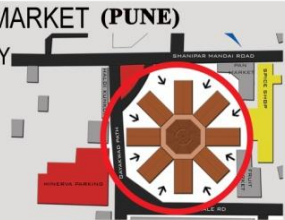
**VIEW OF EXTERIOR SHOPS FACING ROADS**

**COMPARISON OF CASE STUDIES**

**MANDAI MARKET (PUNE)**

**RADIAL FORM AND SYMMETRY**

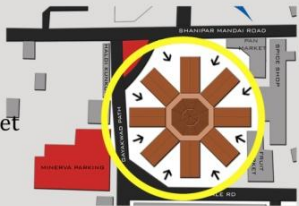
building occupies the entire site  
its a G+2 structure  
zoning is well done with entry from all sides  
the market has a office space in 1st floor, and large open spaces are provided in the ground floor and 1st floor, it has a corridor running around the building in the 1st floor where people can have a view around the market



well ventilated but no sufficient natural sunlight

sufficient parking is provided by means of MLCP parking

the vehicular access is around the building, there is no well defined entry and exit point for the market



**MATERIALS USED ;**  
mangalore tile roofing  
wooden battens, steel columns  
minimum storage place is provided for shopkeepers  
no storage for bulk goods no cold storage  
waste bins are not provided in the market, waste is collected by municipalities  
NO toilets are provided in the market  
sufficient water supply is provided in the market

**PANJIM MARKET (GOA)**

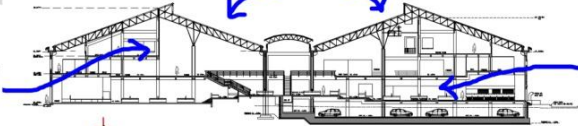
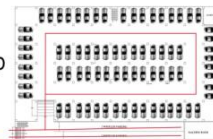
**CENTRALISED FORM AND SYMMETRY**

Building occupies a major part of the site.  
It is a multi-storey structure  
Zoning is well done with respect to fish , meat and vegetables..



The design is created such that there are vents above to get sufficient ventilation , but due to rain water these are permanently shut, hence giving a claustrophobic feeling when inside the market.

Basement parking. But ramp width is small.



**MATERIALS USED:**  
Sheet roofing  
steel truss  
concrete columns



Storage area is provided under individual shops.  
cold storage is provided.



GOOD WASTE MANAGEMENT PLANNING  
BIOGAS PLANT PROVIDED  
PROPERLY DIPOSED  
UNDER GROUND DRAINAGE SYSTEM PROVIDED

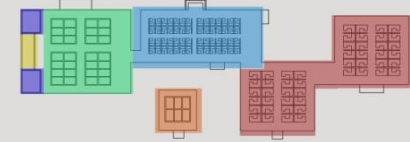
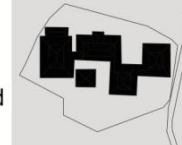
Sufficient number of Gents and Ladies toilets are provided..  
Bunt not well maintained.

The staircase wells are dark and unused.  
Lifts are out of order.  
Some corridors are dark and unused

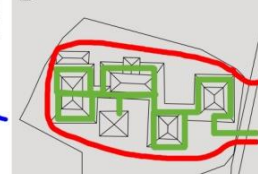
**CUNCOLIM MARKET (GOA)**

**CLUSTERED FORM**

Building occupies less than half the site area. Single storey structure  
Zoning is done well with vegetable and fruits shop in one block, fish in one block and meat in another block.



Well ventilated and sufficient day light for shops



The vehicular access is goes around the main structure, there is a well defined entry and exit point for the market.  
The pedestrian access

sufficient parking is provided on either sides of the market

Waste bins are provided at regular intervals in the market.  
Waste is collected by the municipal truck every day.

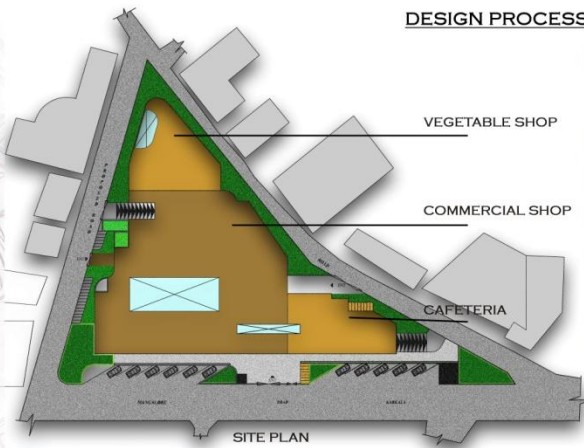
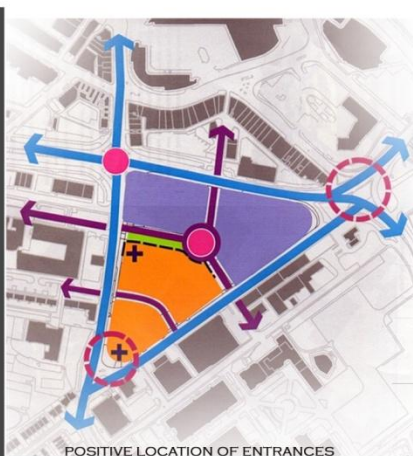
There is sufficient number of toilets given for both gents and ladies. But not well maintained.  
Since it is in the rear of the building it does not create problems. Water

**MATERIALS USED:**  
Mangalore tile roofing  
steel truss  
concrete columns

Storage area is not provided for shops.  
Cold storage is given for meat.

Goods supply is from belgaum to Mudgao to cuncolim. Meat and fish from local area.



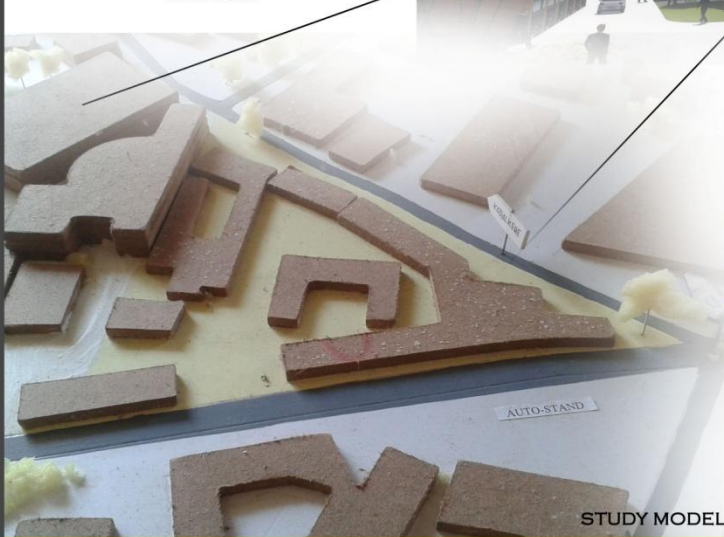
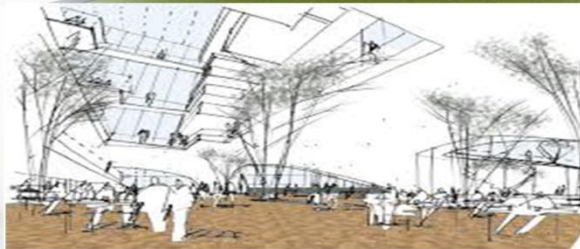
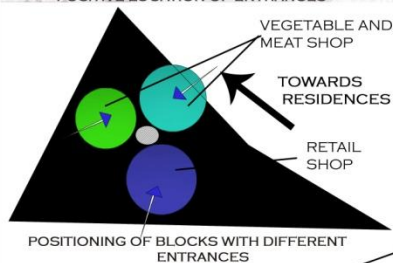
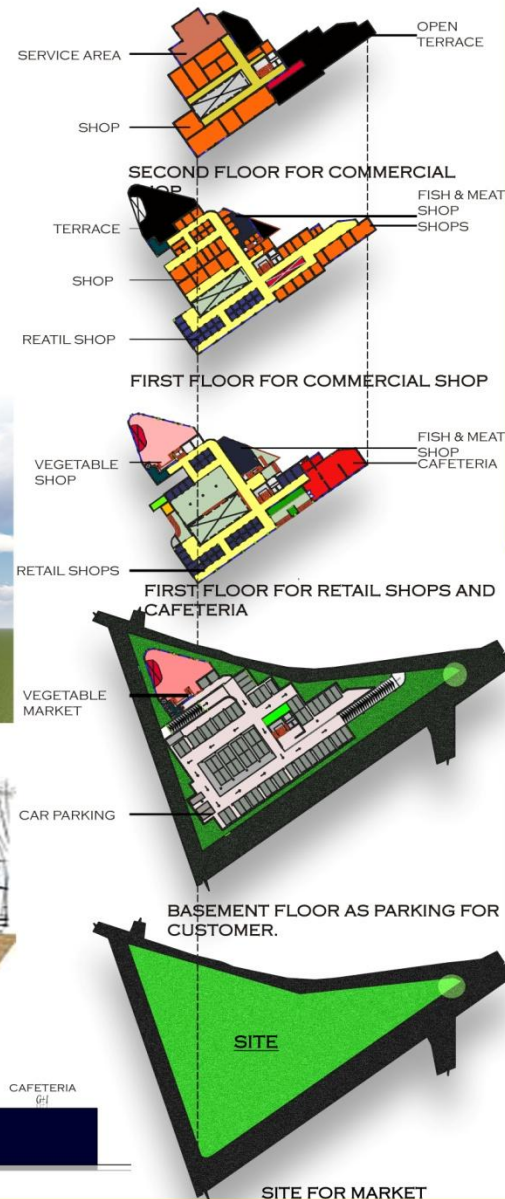


**DESIGN PROCESS**

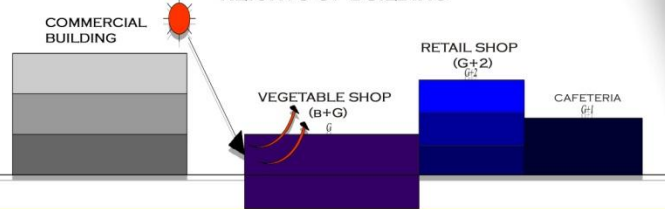
**COLOUR CODE**

- GREENARY SPACE
- RETAIL SHOPS (2.1X2.5M)
- SHOPS (4.0X4.0)VARIES
- CAFETERIA
- TOILETS
- STAIRS
- SERVICE SPACE
- CORRIDOR
- TERRACE

**FLOOR PLANS**



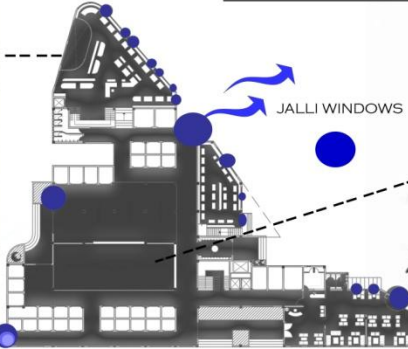
**HEIGHTS OF BUILDING**



SITE FOR MARKET



PERSPECTIVE VIEW SHOWING INTERIOR SPACE OF VEGETABLE MARKET SEGREGATED WITH SPACE FOR EACH VEGETABLE SELLER



JALLI WINDOWS

BLUE CIRCLES ARE INDICATING JALLI WINDOWS PROVIDED ON THE SIDE OF SOUTH WEST WHERE THERE IS A REGULAR WIND FLOW THROUGHOUT THE MARKET TO REMOVE VETIATED AIR .

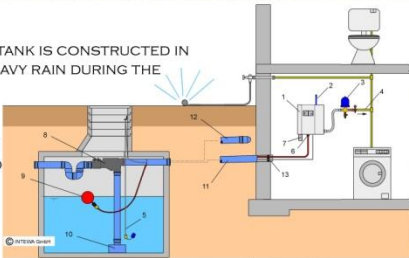


INTERIOR VIEW OF MARKET

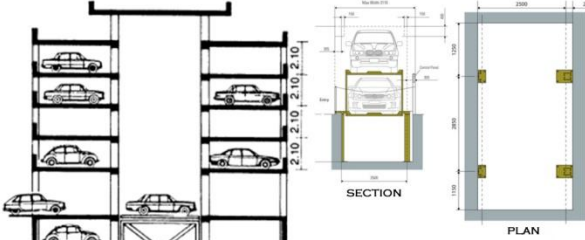
**RAIN WATER HARVEST**

RAIN WATER HARVESTING TANK IS CONSTRUCTED IN THE BASEMENT DUE TO HEAVY RAIN DURING THE SEASON.

THIS IS A TECHNOLOGY USED FOR COLLECTING AND STORING RAIN WATER FROM THE ROOFTOPS AND OTHER SIMPLEST TECHNICS FOR STORING.



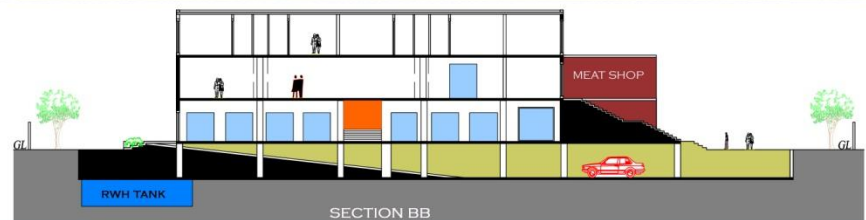
**STACK SYSTEM OF PARKING IS USED IN THE PARKING LOT (TOTAL 110CAR PARK)**



VIEW FROM MAIN ROAD CROSSING MAIN ENTRANCE OF THE MARKET



SECTION AA



SECTION BB

## MUSEUM SUSTAINABLE DESIGN

LOCATION: MANGALORE  
 SITE AREA: 2.2 ACRES (9050SQ.M)  
 BUILT UP AREA: 935.4SQ.M  
 STYLE: SUSTAINABLE ARCHITECTURE  
 CLIMATE: HOT AND HUMID  
 MATERIAL: RCC STRUCTURES

### DESIGN BRIEF

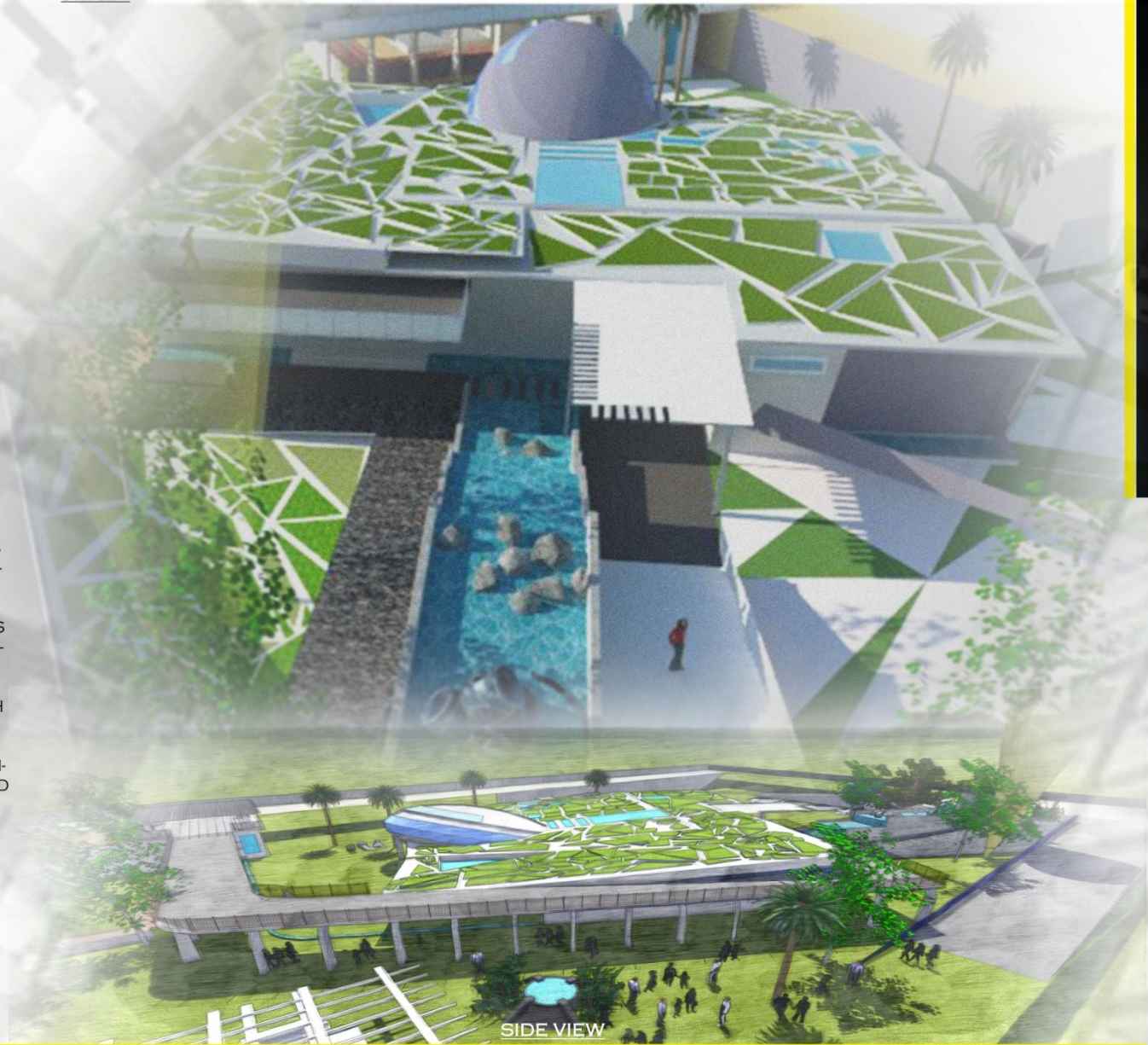
RECEPTION  
 WAITING LOUNGE  
 ADMINISTRATION  
 TICKET COUNTER  
 DISPLAY AREA  
 AUDIO VISUAL SPACE  
 CAFETERIA  
 OPEN AIR THEATRE  
 STORAGE SPACE

### DESIGN AND CONCEPT

THE PLANNING MUSEUM IS ENVISIONED TO BE A NEW CIVIC SCULPTURE FOR THE CITY LOCATED AT THE HEART OF THE CITY. THE BUILDING BECOMES A TECHNOLOGICAL BLOOM AS THE MASSING OPENS TOWARDS THE MAIN ROADS. THE FORM OF THE BUILDING TAKES INSPIRATION FROM THE NAUTICAL INFLUENCES AND SEEKS TO BECOME A SYMBOL OF TECHNOLOGICAL PROGRESS AND GREEN EVOLUTION. THE MUSEUM MINIMIZES EAST WEST FACADES AND PULLS MAJOR ENTRY FROM NORTHERN SIDE. OPEN SPACES ARE MAJORLY CREATED ON SOUTH WEST DIRECTION TO HAVE REGULAR AIR FLOW THROUGHOUT. THE LIGHTING SCHEME WITHIN THE MUSEUM WILL BE SYMBOLIC OF A HUMAN FACE HEADING UPWARD TO SKY FOR MAXIMUM UTILISATION OF DUFFUSE LIGHT IN THE NORTH. THE SCULPTURAL NATURE OF THE BUILDING TIES TO THE EXSISTING NETWORK OF SCULPTURAL ELEMENT AND OPEN SPACE THROUGHOUT THE SITE .

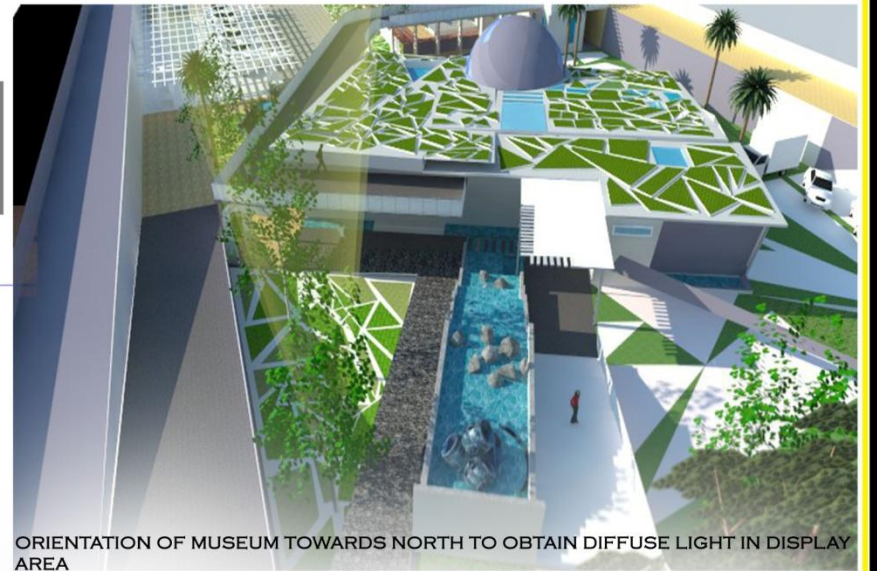
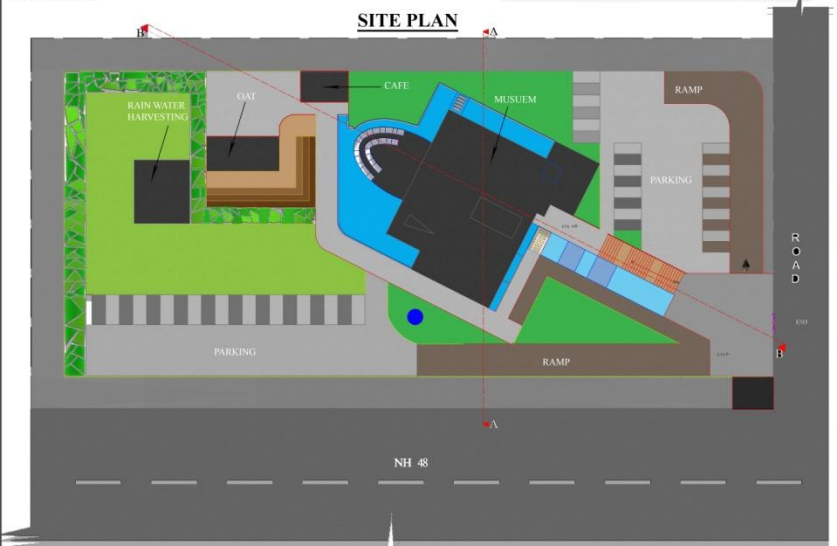
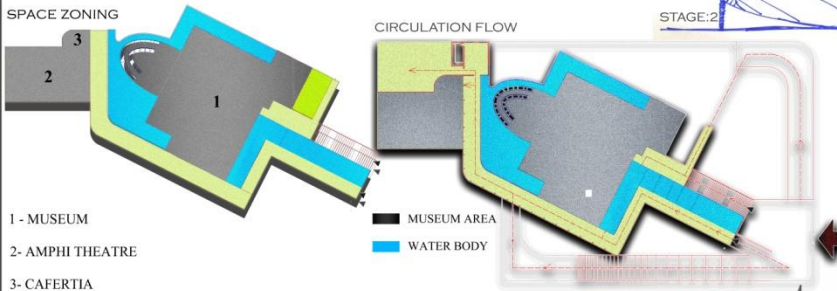
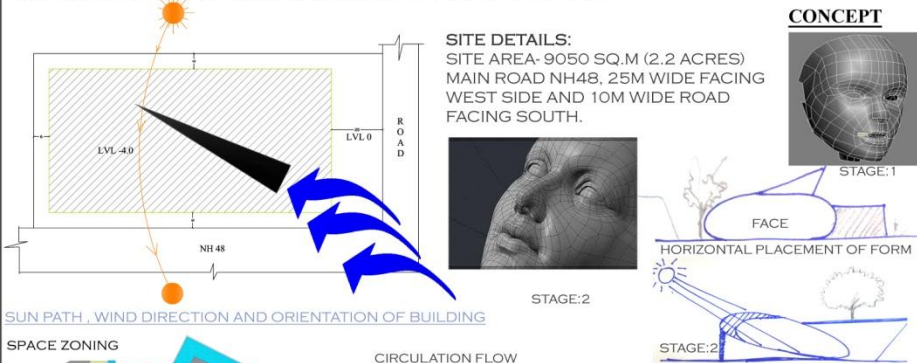
**MATERIAL USED:**  
 LATERITE STONE  
 CONCRETE  
 TOUGH WIRE GLASS

5TH SEM



SIDE VIEW

A MUSEUM IS AN INSTITUTION THAT CONSERVES A COLLECTION OF ARTIFACTS AND OTHER OBJECTS OF SCIENTIFIC, ARTISTIC, CULTURAL OR HISTORICAL IMPORTANCE AND MAKES THEM AVAILABLE FOR PUBLIC.



**A FACE CAN COMMUNICATE ONLY WITH THE EXPRESSIONS MORE THAN A SPEECH DOES. SO A MUSEUM IS THE ONE WHERE EXPRESSION, EMOTION, AND PSYCHOLOGICAL BONDAGE IS BUILT. " A BOND WITH HUMAN ELEMENT"**





FULL VIEW OF SITE SHOWING GREEN ROOF ON TOP OF MUSEUM SPACE AND WALKING SPACE PROVIDED ALL AROUND THE GREEN ROOF .

GREEN ROOF

RAMP

ENT

GREEN ROOF AND RAIN WATER HARVESTING IS PARTIALLY PROVIDED TO MAKE MUSEUM BUILDING AS ECO FRIENDLY BUILDING.

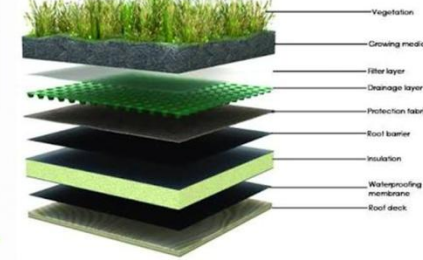
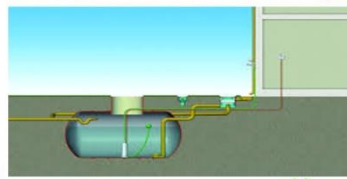


VIEW SHOWING AMPHI THEATRE, WHERE STAGE IS FACING WEST AND STONE SEATING STEPS FACING EAST.

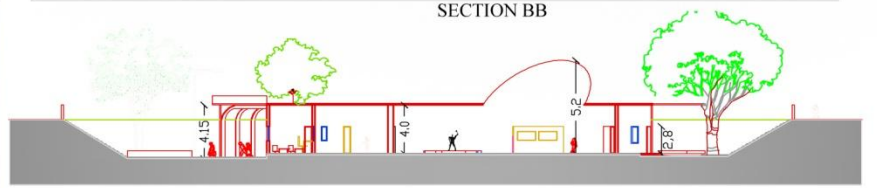
**RAIN WATER HARVESTING**



**GREEN ROOF DETAIL**  
GREEN ROOF IS PROVIDED PARTIALLY OVER A WATER PROOFING MEMBRANE, THIS CONSTRUCTION ADDS IN REDUCTION OF CARBON AND ABSORBING RAIN WATER- WHICH PROVIDES INSULATION. IT PROVIDES PLEASING LANDSCAPE AND MITIGATE THE HEAT EFFECT.



SECTION BB



SECTION AA

## CAMPUS DESIGN

### CLIMATE RESPONSIVE DESIGN

LOCATION : MANGALORE  
AREA : 30 ACRES (121447.8SQ.M)  
PLOT COVERAGE : 38%  
CLIMATE : HOT AND HUMID  
MATERIAL : RCC STRUCTURE

### DESIGN BRIEF

ENTRANCE LOUNGE  
WAITING AREA  
ADMINISTRATION  
AUDITORIUM  
ACADEMIC CLASSES  
CAFETERIA  
LIBRARY  
ACCOMODATION  
OPEN AIR THEATRE  
INDOOR AND OUTDOOR PLAY AREA

## 6TH SEM

### CONCEPT

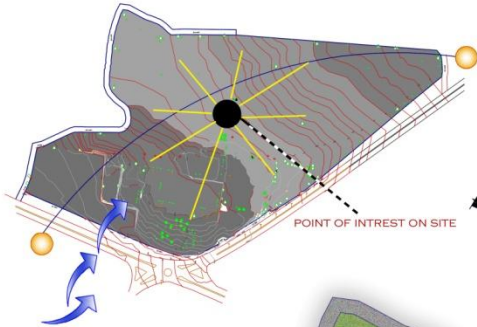
THE DESIGN INCOPERATES THE CONCEPT OF CAMPUS SUSTAINABILITY BY PRESERVING ENVIRONMENTAL QUALITY , USING ENVIRONMENTALLY FRIENDLY MATERIALS AND PROMOTING PHYSICAL ACTIVITIES AND HEALTHY LIVING ENVIRONMENT .THE DESIGN PROCESS IS BASED ON CONTOURS AND CLIMATIC CONDITION OF THE SITE . THE BUILDINGS ARE PLACED TO FORM MORE OF GATHERING SPACES ALL AROUND. THE CONCEPT IS BASED ON CREATING A PHYCHOLOGICAL BONDAGE BETWEEN KNOWLEDGE AND CAMPUS.



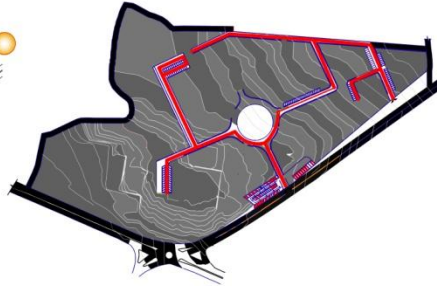
ARCHITECTURE BLOCK

ENTRY 1 FROM MAIN ROAD 15M WIDE TOWARDS ADMIN BLOCK  
 ENTRY 2 FROM 15M WIDE ROAD TOWARDS ACCOMODATION

SUN PATH AND WIND DIRECTION

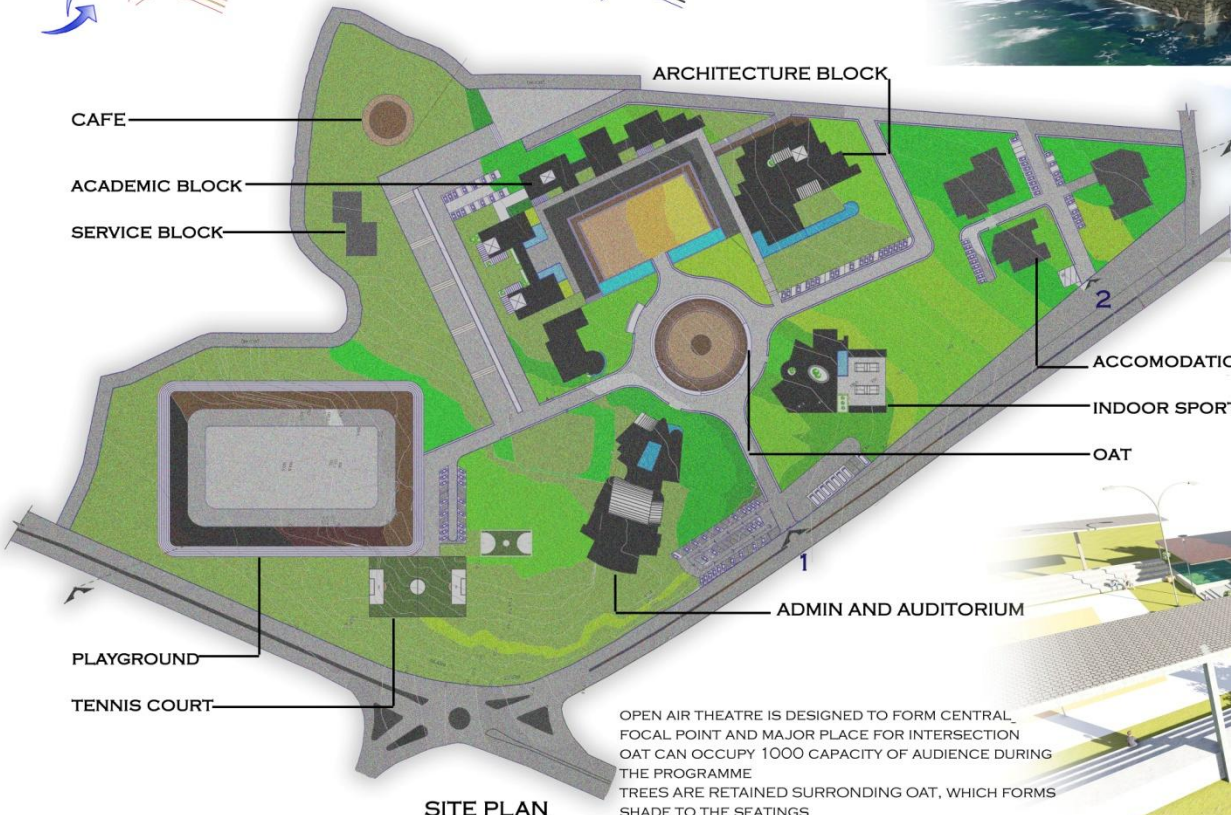


PATH CONECTIVITY AND PARKING SPACES



6TH SEM

VIEW OF ARCHITECTURAL BLOCK WHICH IS SURROUNDED WITH WATER BODY AND OPEN SPACES FOR INTERACTION



SITE PLAN

OPEN AIR THEATRE IS DESIGNED TO FORM CENTRAL FOCAL POINT AND MAJOR PLACE FOR INTERSECTION  
 OAT CAN OCCUPY 1000 CAPACITY OF AUDIENCE DURING THE PROGRAMME  
 TREES ARE RETAINED SURROUNDING OAT, WHICH FORMS SHADE TO THE SEATINGS

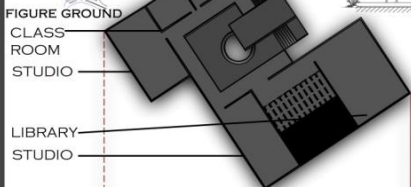


CANTEEN SPACE

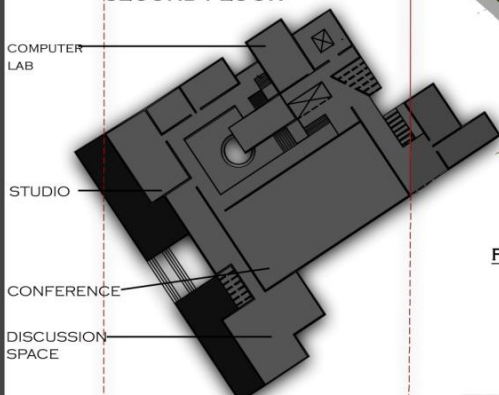


SPORTS BLOCK

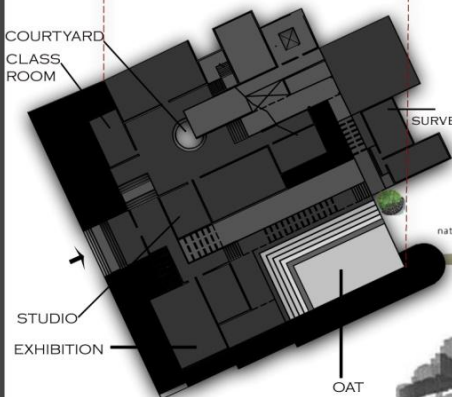
ARCHITECTURE BLOCK DETAIL



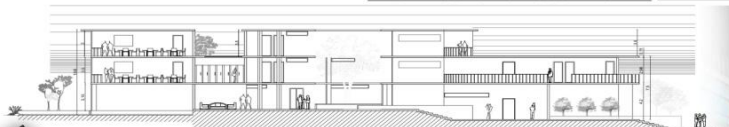
SECOND FLOOR



FIRST FLOOR



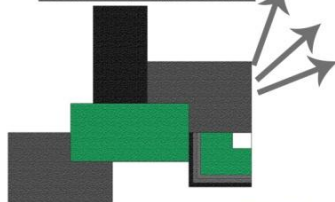
GROUND FLOOR



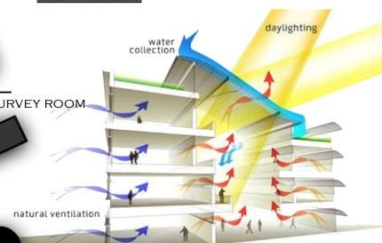
SECTION



FORM DEVELOPMENT



DEVELOPMENT ALONG LOWERING CONTOUR WHICH CREATES OPEN SPACES AT DIFFERENT LEVELS FOR INTERACTION

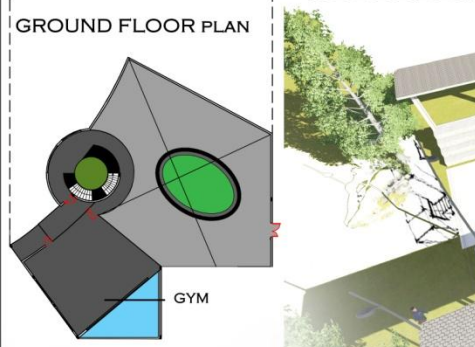
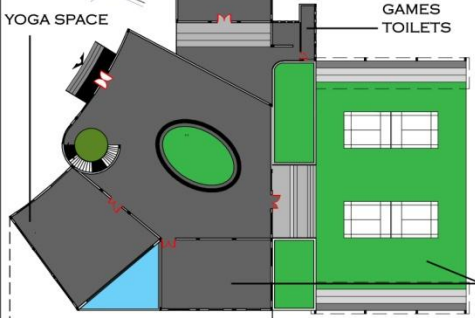
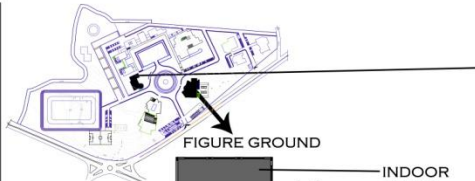


INTERIOR SPACE OF BLOCK PROVIDED WITH OPEN COURTYARD IN CENTER COVERED WITH TOUGH GLASS. SPACE BELOW IS USED FOR RECREATIONAL SPACE FOR PLACING SNOOKER BOARD.

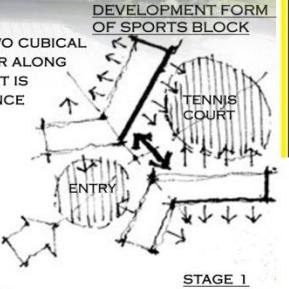


FRONT VIEW OF ARCHITECTURAL BLOCK SHOWING CANTILVERED DISCUSSION SPACE AND WATER BODY AS COOLING ELEMENT OF THE BLOCK



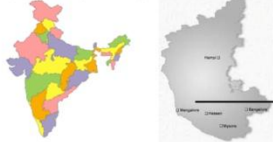


EXTERIOR VIEW OF CANTEN COMBINED WITH STATIONARY IN GROUND FLOOR WHERE CANTEN FOR FACULTY AND STUDENTS ARE PROVIDED SEPARATELY IN FIRST FLOOR. CAFE CUBE IN THE FORM OF CYLINDER PROJECTING OUT IS DESIGNED TO FORM TRANSPARENCY LOOK.



**PERFORMING ARTS CENTRE**  
CLIMATE RESPONSIVE DESIGN

LOCATION : BONDEL, MANGALORE  
AREA : 11.33 ACRE (45844.12 SQ.M)  
TOTAL BUILTUP AREA : 9737.2 SQ.M  
PLOT COVERAGE : 25%  
CLIMATE : HOT AND HUMID



**DESIGN AND CONCEPT**

DESIGN IS BASICALLY ALONG THE FLOW OF CONTOURS. DESIGNING OF CENTRE IS BASED ON SERIES OF MOUNDS OVER WHICH THE STEPPED LEVELLED OPEN SPACES SERVES AS AN INTERACTIVE SPACES. THE SPACES HAVE BEEN ARRANGED TO FORM INTERACTION BETWEEN STUDENTS OF DIFFERENT DEPARTMENT AND USE OF OPEN SPACES FOR PRACTISING.

**MATERIAL BRIEF :** LATERITE STONES FOR WALL , MANGALORE TILES FOR ROOFING, JALI WINDOWS FOR AIR CIRCULATION, CERAMIC TILES FOR FACADE CLADDING.

5TH SEM



**SITE 3D VIEW**

**DISTANCE FROM DIFFERENT PLACES TO SITE**

- >ADYAR KATTE BUS STOP - 13KM (NH-48 AND AIRPORT ROAD)
- >PADIL JUNCTION - 9.6 KM ( AIRPORT ROAD)
- >KANKANADY - 9.4KM (AIRPORT ROAD)
- >HAMPANKATTA - 8.8KM ( AIRPORT ROAD)
- >NANTOOR - 5.9KM ( AIRPORT ROAD)
- >KARNATAKA POLYTECHNIC (Govt) - 4.9KM Via (AIRPORT ROAD)
- >MANGALORE INTERNATIONAL AIRPORT - 6.4 KM ( AIRPORT ROAD)

**SITE SURROUNDING ANALYSIS**



WATER TANK 15 LAKHS CAPACITY



BONDEL CHURCH NEAR SITE

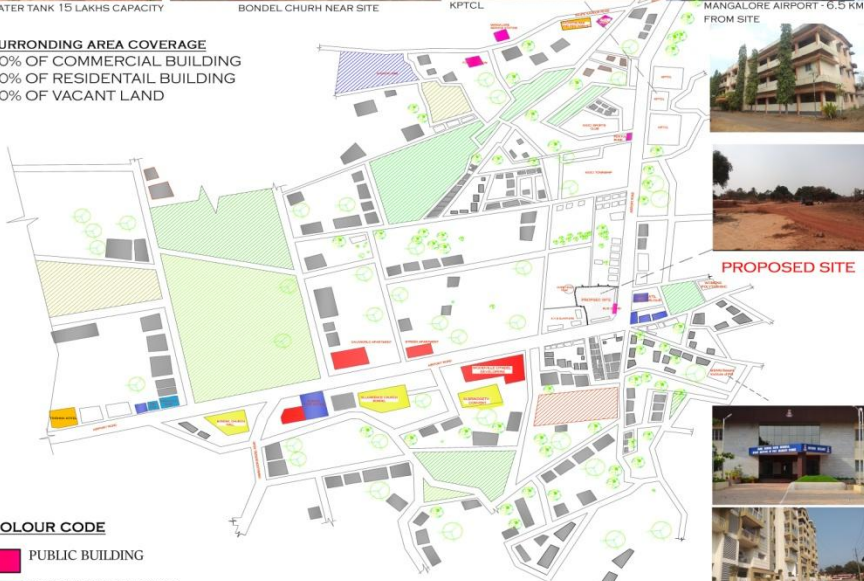


KPTCL



MANGALORE AIRPORT - 6.5 KM FROM SITE

**SURROUNDING AREA COVERAGE**  
30% OF COMMERCIAL BUILDING  
40% OF RESIDENTIAL BUILDING  
30% OF VACANT LAND



**COLOUR CODE**

- PUBLIC BUILDING
- COMMERCIAL BUILDING
- RESIDENTIAL BUILDING
- HOTEL / RESTAURANT AND BAR
- EDUCATIONAL BUILDING
- CHURCH
- VACANT LAND
- BANK OR ATM
- APARTMENT

**SITE VIEWS**



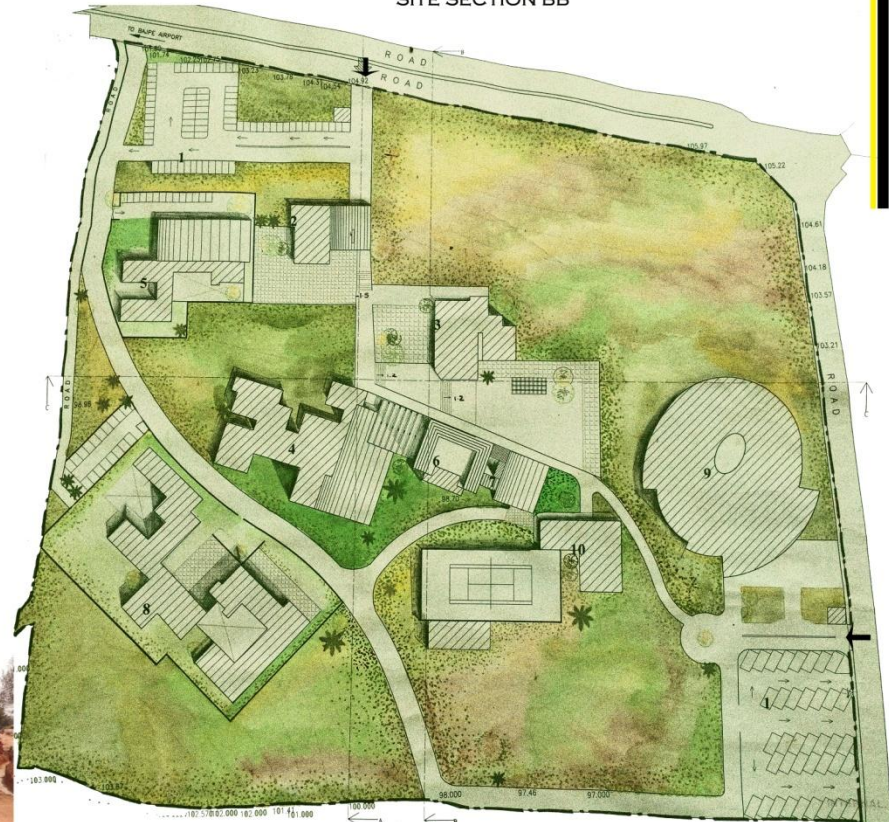
PROPOSED SITE



DAJI WORLD APARTMENT

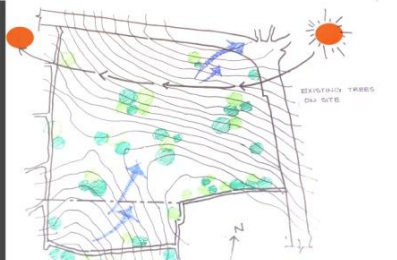


**SITE SECTION BB**

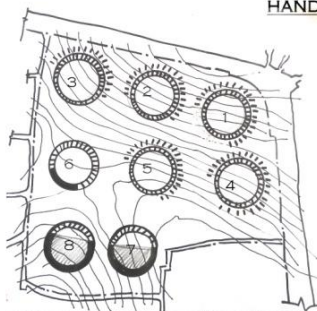


**SITE PLAN**

**HAND SKETCHES OF SITE ANALYSIS**

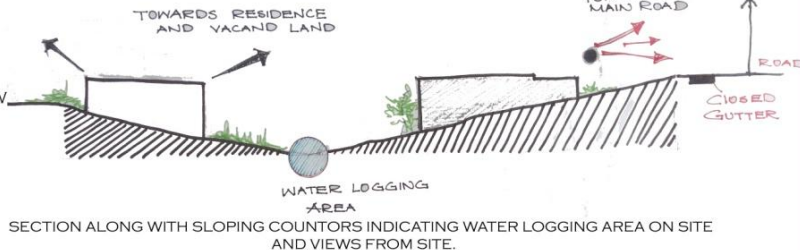


WATER DRAIN TOWARDS SOUTH WEST ALONG THE TERRANE LEADING TOWARDS LOWER PART ON SITE.



**VIEWING POSITION ON DIFFERENT PARTS OF THE SITE**

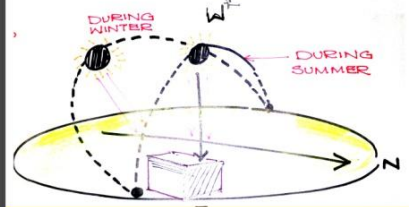
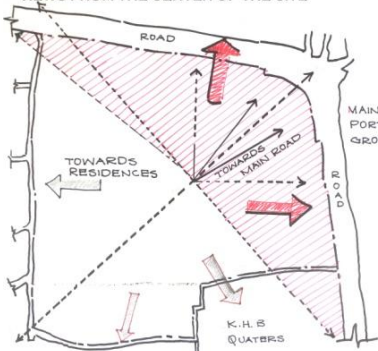
- 1, 2, 3, 4 NO HAS EXCELLENT VIEW FACING MAIN ROAD FROM WHERE IT STARTS POINT FOR SLOPING.
- 5, 6 WHERE IT FORMS THE CENTER POINT ON SITE HAVING LITTLE LESS VIEW AS IT SLOPES DOWNWARDS.
- 7, 8 HAVE LESS VIEW AS ITS RARE SIDE IS FACING PUBLIC PROPERTY AND FORMS LESS IMPORTANCE WHEN STRUCTURE WITH HIGHER HEIGHT IS PLACED INFRONT OF IT.



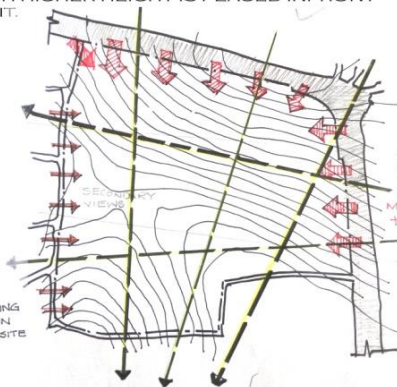
SECTION ALONG WITH SLOPING COUNTORS INDICATING WATER LOGGING AREA ON SITE AND VIEWS FROM SITE.



**VIEWS FROM THE CENTER OF THE SITE**



AREA UNDER NOISE DUE TO TRAFFIC AND ACCESSIBILITY TO THE SITE THROUGH 15M WIDE ROAD



ENTRANCE MAY BE FROM EAST OR NORTH AS THE MAIN ROADS RUNS INFRONT OF SITE. MOST PRFERABLE ENTRY FROM MANG -ALORE ROAD ON EAST ,WHERE MORE TRAFFIC IS EXPECTED FROM CITY.

**SWOT**

**STRENGTH:**

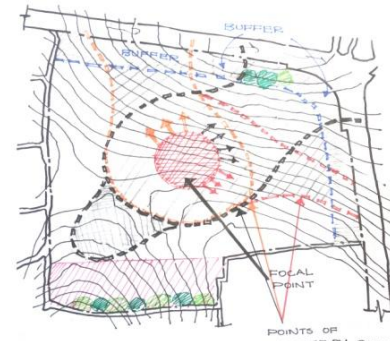
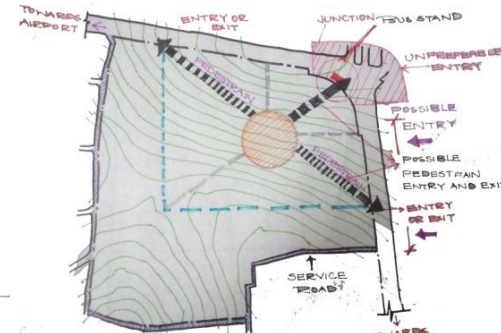
- \*MAJOR ROADS RUNNING ACROSS THE SITE WHICH HELPS IN EASY ACCESS TO THE SITE
- \*TOPOGRAPHY PRESENT ON SITE HELPS TO DESIGN BUILDING ALONG THE TERRAIN .
- \* SITE LOCATION NEAR AIRPORT HELPS IN INTERNATIONAL CONNECTION.
- \*GOOD VIEWS ACROSS THE SITE.
- \*WATER AND ELECTRICITY SUPPY IS SUFFICIENT.
- \*GENTLE SLOPE HELPS IN GOOD DESIGNING.
- \*SUB ROADS ON WEST AND SOUTH DIRECTION AROUND THE SITE CAN BE UTILIZED AS SERVICE ROAD .

**WEAKNESS**

- \*PRESENCE OF EXISTING QUARTERS ON SITE.
- \*WATER LOGGING AREA CREATED DUE TO SLOPING CONTOURS.
- \*NOISE DUE TO HEAVY TRAFFIC .
- \*TRAFFIC CONGESTION AT THE JUNCTION OF ROAD WHICH CREATES HEAVY NOISE.

**OPPURTUNITY:**

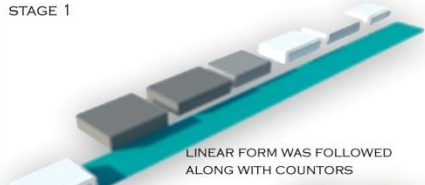
- \*PRESENCE OF CONTOUR LEVELS CAN BE USED TO GIVE PROPER VIEW TO ALL THE SPACES IN THE BUILDING.
- \* PRESENCE OF TREES ON SITE CAN BE UTILISED AS SHADING FOR OPEN SPACES AND OAT.
- \*CORNER SITE HELPS IN GAINING THE IMPORTANCE OF THE BUILDING



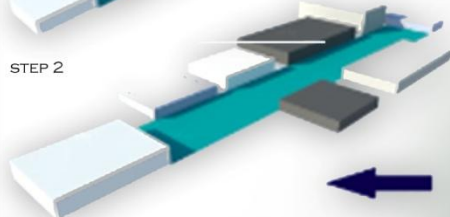
POINT OF INTEREST ON SITE CREATED WHEN POSSIBLE ENTRANCE IS PROVIDED FROM EAST SIDE. NORTH SIDE AND JUNCTION FORMS A FOCAL POINT AFTER LEAVING CERTAIN PORTION FOR BUFFER AREA.

**FORM DEVELOPMENT**

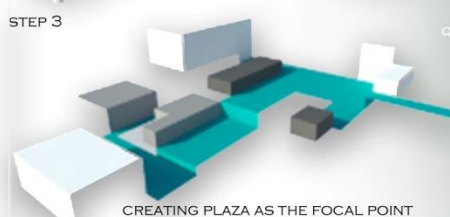
STAGE 1



STEP 2



STEP 3

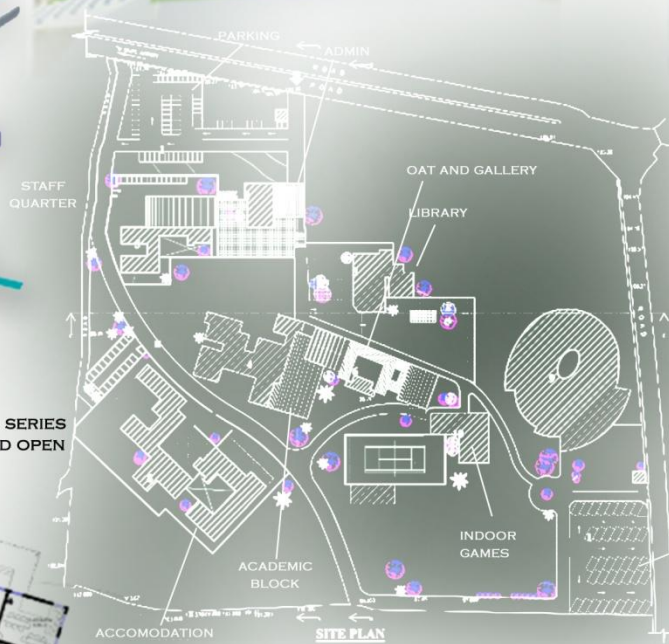


THE PERFORMING ARTS CENTER RESEMBLES THE SERIES OF MOUNDS OVER WHICH THE STEPPED LEVELLED OPEN SPACES SERVES AS AN INTERACTIVE SPACES.

**ACADEMIC CLASS BLOCK**



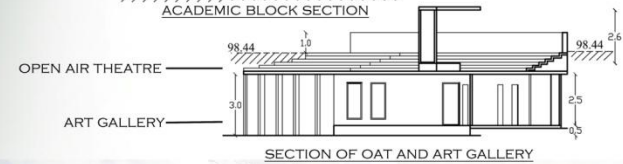
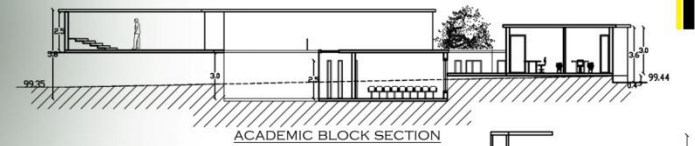
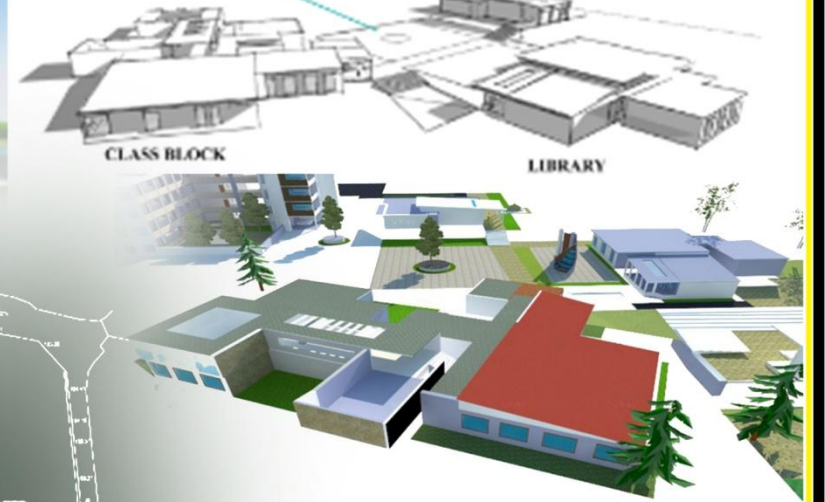
PLAZA AREA HAS BEEN CREATED IN THE ENTRANCE WHERE IT IS CONNECTED TO ALL THE UNITS.



THE SPACES HAVE BEEN ARRANGED KEEPING IN VIEW THAT INTERACTION BETWEEN STUDENTS OF DIFFERENT DEPARTMENT AND USE OF OPEN SPACES FOR PRACTICING



INTER CONNECTION OF ACADEMIC BLOCK, LIBRARY AND ADMIN WITH PLAZA AS FOCAL POINT



**LIBRARY AND ACCOMODATION BLOCK**

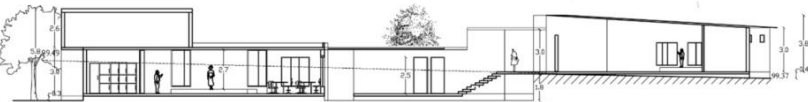
ACADEMIC BLOCK ARE CREATED WITH DIFFERENT LEVELS ALONG WITH NATURAL COUNTER AVAILABLE . MORE OF OPEN SPACES ARE CREATED, WHICH IS USED FOR PRACTICING PERFORMANCE



OAT AND ART GALLERY BLOCK ARE INTERCONNECTED WITH EACH OTHER WHERE OAT IS FORMED ON GROUND FLOOR AND GALLERY IS CREATED IN THE BASEMENT ALONG WITH THE FLOW OF COUNTERS.



LIBRARY BLOCK IS DESIGNED WITH INCLINED WALLS WITH ROUGH CONCRETE FINISH FROM OUTSIDE. IT IS PLACED IN THE ENTRANCE SUCH THAT IT IS ACCESSIBLE EVEN TO PUBLIC

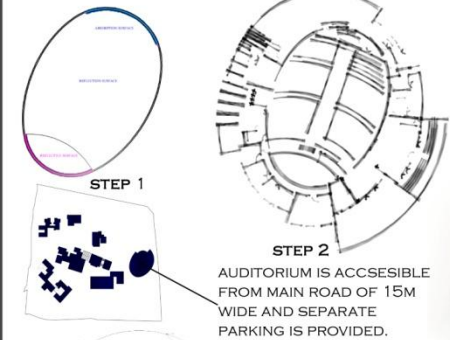


ACADEMIC BLOCK CREATED AT DIFFERENT LEVELS

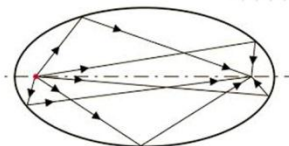
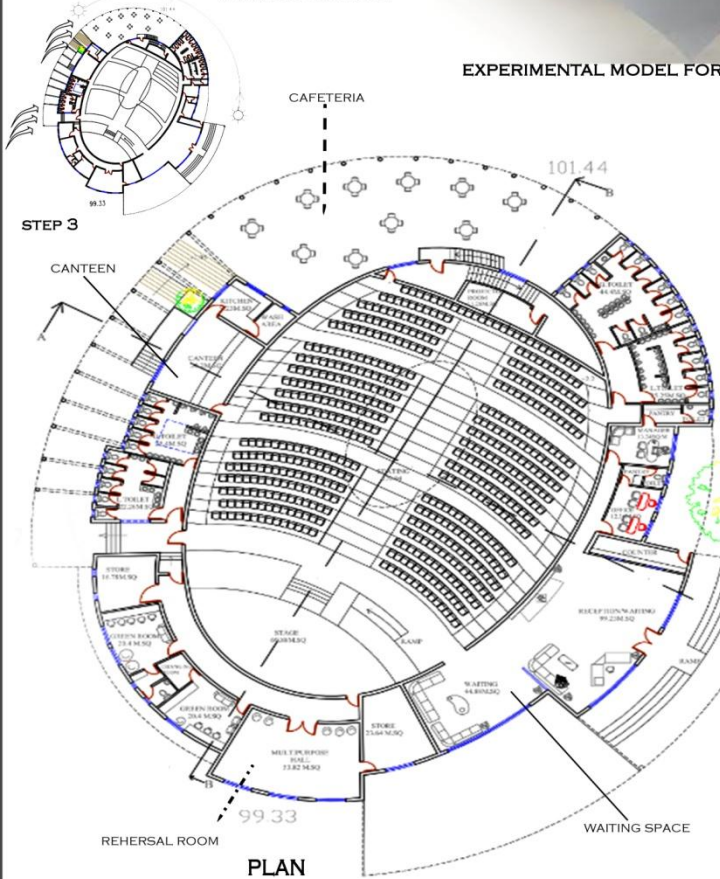
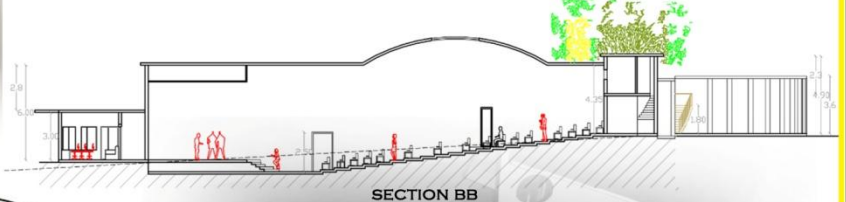
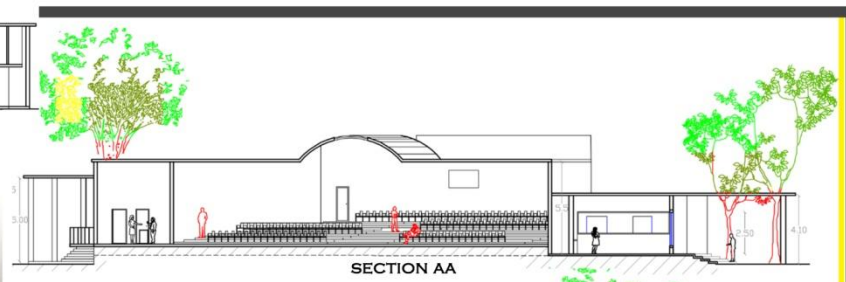
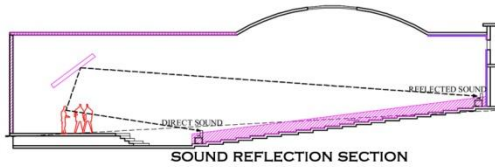


ACCOMODATION FOR STUDENTS ARE DESIGNED IN THE RARE SIDE OF THE SITE AND NEAR BY ACADEMIC BLOCK SO THAT IS EASILY ACCESSIBLE TO STUDENTS. EACH INDIVIDUAL BLOCK OF ACCOMODATION ARE PLACED SUCH THAT IT IS VENTILATED NATURALLY

**DEVELOPMENT SKETCHES**



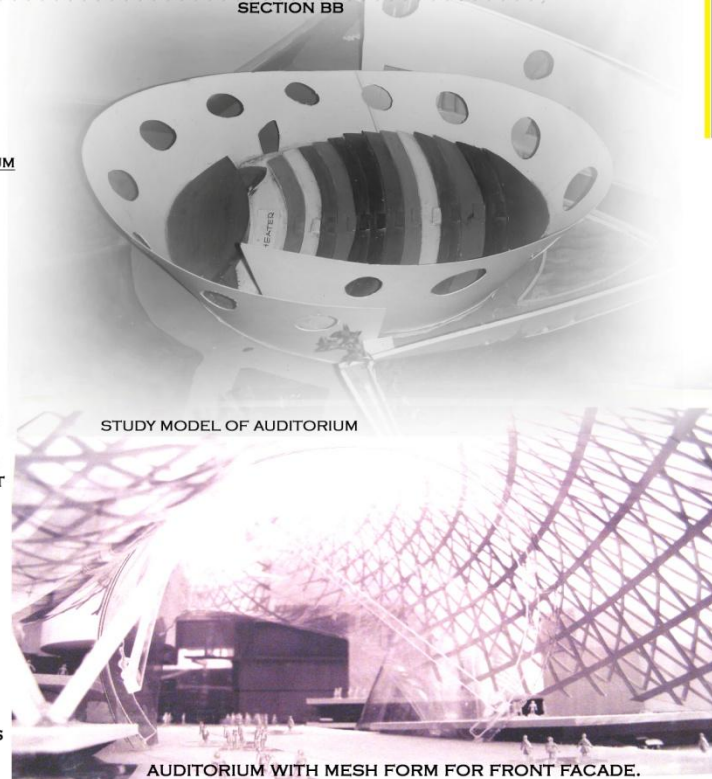
AUDITORIUM IS ACCESSIBLE FROM MAIN ROAD OF 15M WIDE AND SEPARATE PARKING IS PROVIDED.



**STRUCTURAL DETAIL**  
AUDITORIUM IS DESIGNED AND FILLED WITH CONBUSTABLE SOUND ABSORBING GLASS WOOL AFTER THE LAYER OF GYPSUM BOARD OF 50MM THICK AND COVERED WITH THE FIREPROOF FABRIC OUTSIDE.

**MATERIAL DETAIL**  
GYPSUM PLYBOARD PANEL FOR WALL, WOODEN FLOORING, GLASS WOOL AS SOUND ABSORBING MATERIAL. WIDE SOUND ABSORPTION SPECTRUM HIGH ABSORPTION CO-EFFICIENT DUST FREE.

**SHELL ROOF WITH A MIDDLE CURVED ROOF FORMING A CENTRAL LIGHTING ELEMENT TO THE AUDITORIUM. 12-15MM THICK TOUGH WIRE GLASS IS USED FOR THE MIDDLE PORTION OF THE CURVED SURFACE.**

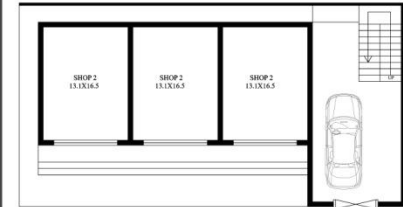




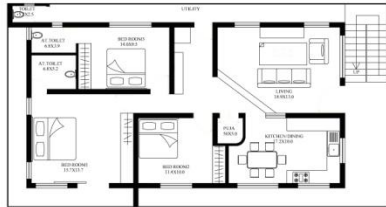
**PROPOSED MIXED USE BUILDING**

LOCATION : MYSORE, KARNATAKA  
 AREA : 565.2 SQ.M  
 CLIMATE: MODERATE CLIMATE  
 YEAR : 2015  
 MATERIAL : RCC STRUCTURE  
**DESIGN BRIEF**  
 3BHK  
 GROUND FLOOR: COMMERCIAL SHOPS(3NO)  
 FIRST FLOOR: RESIDENCE  
 THE RESIDENCE IS DESIGNED ACCORDING TO VASTU . THE RESIDENCE IS PLACED IN FIRST FLOOR WITH THREE BED ROOMS AND GROUND FLOOR FOR COMMERCIAL SHOPS AND CAR PORCH. PUJA ROOM IN RESIDENCE IS PROVIDED WITH SKY-LIGHT .

PROPOSED VIEW



GROUND FLOOR PLAN



FIRST FLOOR PLAN



PROPOSED VIEW



2016

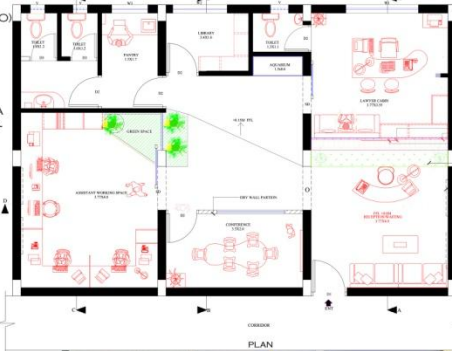
**INTERIOR DESIGN**

**LAWYERS OFFICE**

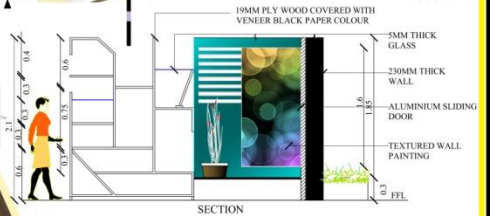
LOCATION: MANGALORE  
 AREA: 100SQ.M

**DESIGN BRIEF**

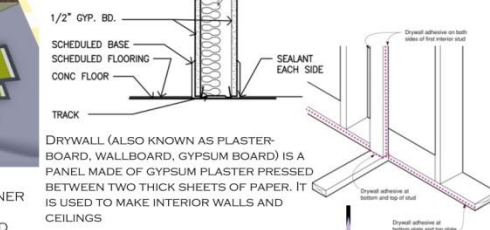
THE IDEA IS TO CREATE SPACES IN DIFFERENT LEVELS WITH MINIMUM USE OF WALLS.



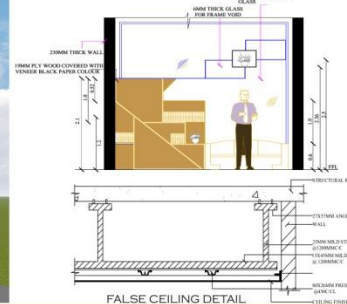
PLAN



SECTION



**MATERIAL BRIEF**  
 WOODEN PLY OF 19MM FOR BOOK SHELF COVERED WITH VENER SHEET.  
 OPAQUE GLASS USED AS PARTION INBETWEEN RECEPTION AND MAIN OFFICE SPACE.  
 GLASS THICKNESS 5MM.  
 OFFICE SPACE COLOURED WHITE AND ONE SIDE OF WALL WITH WOODEN TEXTURED PAINT.  
 GLASS CUBICALS OR VOID ARE CREATED ON 5MM THICK GLASS SUPPORTED BY STEEL ANGLES.



FALSE CEILING DETAIL



**PROPOSED RESIDENTIAL BUILDING**

LOCATION : MANGALORE  
 SITE AREA : 809.36 SQ.M  
 PLOT COVERAGE : 28.22%  
 MATERIAL : RCC STRUCTURE

**DESIGN BRIEF**

BUILDING IS DESIGNED ACCORDING TO VASTU AND EXTERIOR IS FORMED WITH CONTEMPORARY STYLE. BASEMENT IS PROVIDED WITH CAR PARKING , GROUND AND FIRST FLOOR FOR RESIDENCE.

**DESIGN REQUIREMENT**

- PARKING SPACE - 8 CAR
- LIVING SPACE
- DINING
- KITCHEN
- PUJA ROOM
- BED ROOM - 6 NO WITH ATTACH TOILET
- GYM ROOM
- HOME THEATRE
- COMMON TOILET
- SERVICES
- LIFT
- SAIRCASE



PROPOSED VIEW

**SCHEMATIC PLAN**



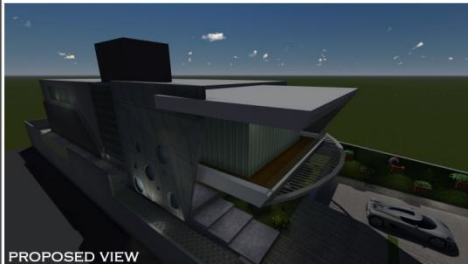
BASEMENT PLAN

GROUND FLOOR PLAN

FIRST FLOOR PLAN



PROPOSED VIEW



PROPOSED VIEW



PROPOSED VIEW



PROPOSED VIEW

**PROPOSED RETREAT CENTRE**

LOCATION: SHIMOGA, KARNATAKA  
 SITE AREA : 30 ACRE (7982.83 SQ.M)  
 BUILT UP AREA : 2539.74 SQ.M  
 MATERIAL : RCC STRUCTURE

**DESIGN BRIEF**

THE DESIGN IS BASED ON HARMONIOUS IN CHARACTER. THE RETREAT CENTRE IS DESIGNED ACCORDING TO CONTEMPORARY DECON STYLE. THE ENTRANCE TO THE BUILDING IS THROUGH MAIN ROAD OF 12M WIDE. THE BUILDINGS ARE SPREAD ACCROSS 30 ACRES OF LAND, COMPRISES OF SCHOOL BLOCK ,CHURCH SPACE AND ADMIN BLOCK, CAFE , PLAYGROUND AND SPACES FOR LANDSCAPE. THE ENTRANCE TO THE BUILDING IS THROUGH MAIN ROAD OF 12M WIDE. MORE OF OPEN SPACES ARE CREATED WHICH IS USED FOR GATHERING .



SITE PLAN



PROPOSED VIEW



PROPOSED VIEW



PROPOSED VIEW



PROPOSED VIEW



**INTERIORS FOR 3BHK APARTMENT**

SITE AREA: 47 CENTS  
BUILT UP AREA FOR PROPOSED FLAT : 1550 SQ.FT  
LOCATION : KOTTARA CHOWKI, MANGALORE  
WOOD USED : TEAK WOOD AND VINEER PLYWOOD  
**DESIGN BRIEF**

INTERIORS WERE DESIGNED WITH RESPECT TO CLIENTS REQUIREMENT. THE ENTRANCE FOYER IS DECORATED WITH ROMAN STYLE WOODEN COLUMNS WITH WOODEN PARGOLA ON TOP . LIVING SPACE IS DESIGNED WITH WALL CASCADING AND POP FALSE CEILING.



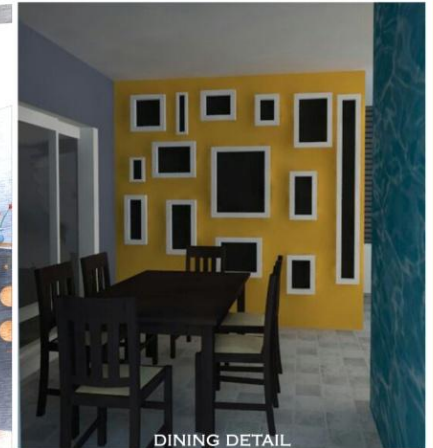
PROPOSED INTERIOR



APARTMENT ELEVATION



FOYER DETAIL



DINING DETAIL



STONE CLADDING IN LIVING SPACE



3D VIEW



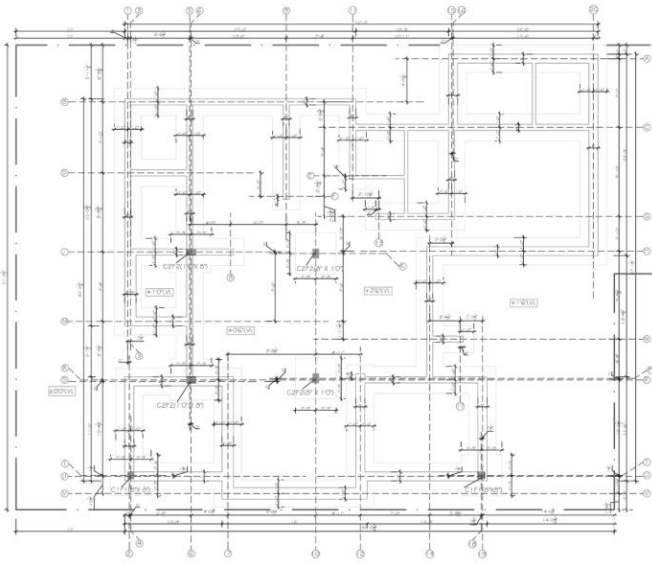
BEDROOM DETAIL



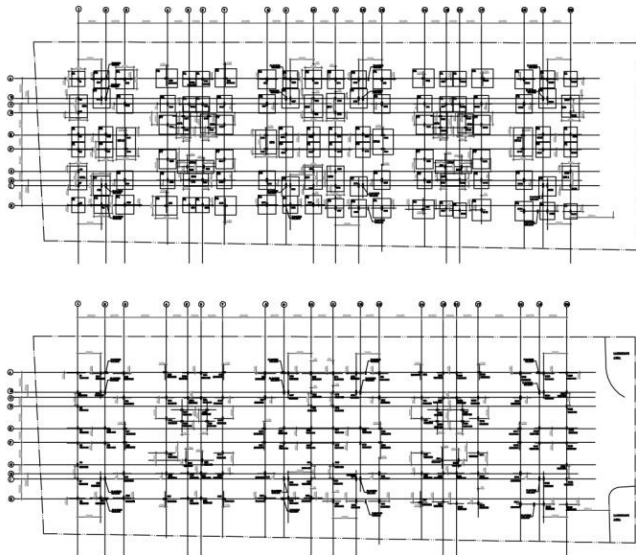
LIVING SPACE DETAIL



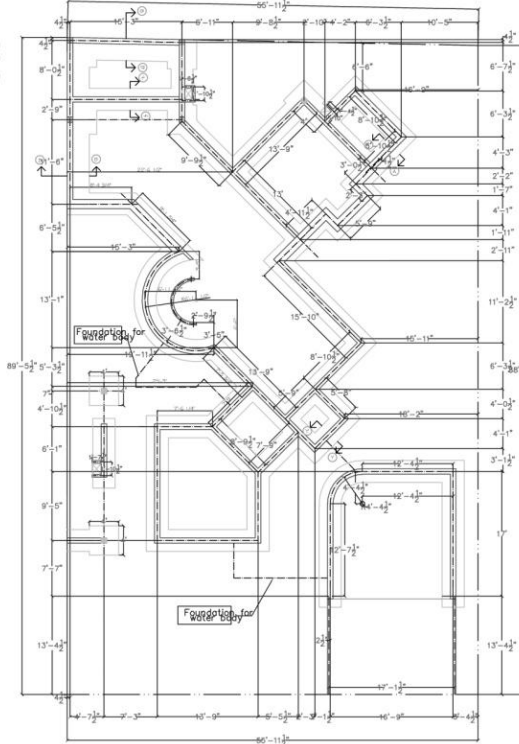
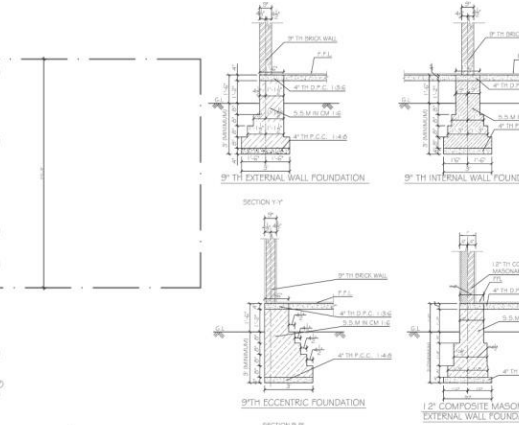
STUDY TABLE WITH ATTACHED BOOK RACK



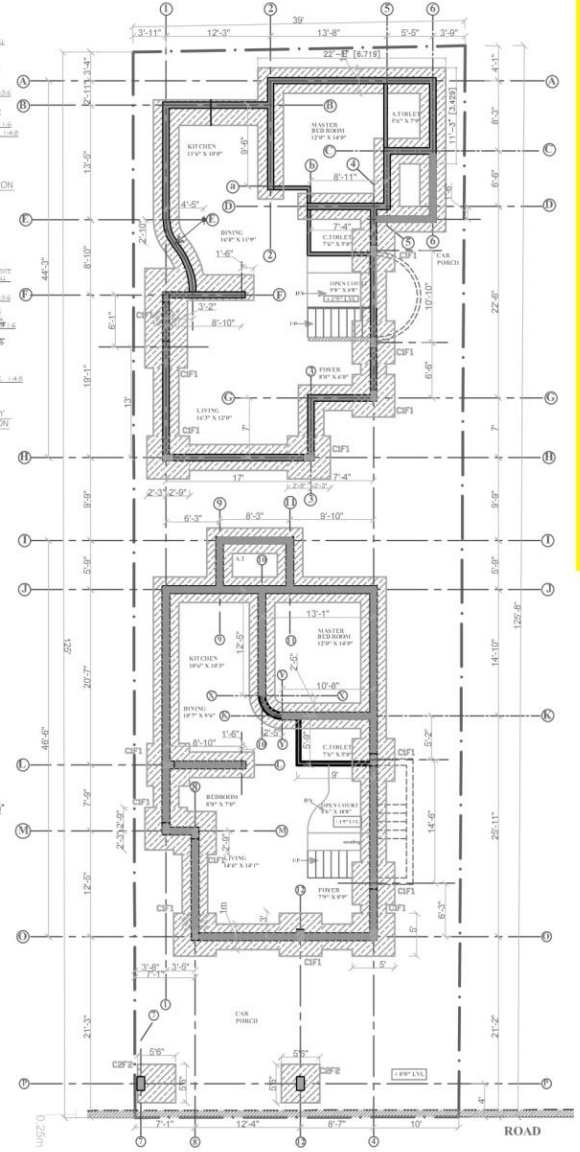
PROPOSED FARM HOUSE AT UDUPI



PROPOSED APARTMENT BUILDING AT UDUPI



PROPOSED RESIDENCE AT MANGALORE



PROPOSED TWIN HOUSE AT MANGALORE

# RENOVATION OF MAHALINGESHWARA TEMPLE, PUTTUR (NASA 2014)

## HISTORY OF THE TEMPLE



Seeing that the sage did not return for a long time, he continued his journey along with the shiva linga towards puttur and reached there before sunset. Although the sage warned him not to place the shiva linga on the ground, on one occasion the Brahmin unknowingly placed the shiva linga on the ground in order to worship. After worship, the Brahmin tried to lift the shiva linga to take it with him but he was not able to do so despite gathering people to help him.



According to the ancient scriptures, a sage carried a Shiva Linga with him from the Kasbi region and travelled southwards worshipping it. At Gayapada Kshetra presently known as Uppinangadi, a Brahmin named Govinda bhata met the sage and accompanied him to Puttur. The sage had a custom of worshipping the Shiva Linga before every meal and entrusted the Shiva Linga to the Brahmin in order to bath in river Kunjaradhara.

So, an elephant was brought to pull it with a chain. As the elephant went on pulling, the shiva linga grew in size and finally the elephant collapsed to the ground like a mountain.

## HISTORY OF THE CITY

As per one theory, Puttur got its name after pearl "Mutthu" in Kannada and town of pearl "Mutthur" slowly renamed itself to Puttur. The famous believed myth is Centuries ago, due to draught priests were performing rituals with rice as prasada in the Holy pond of Mahalingeshwara temple, suddenly the water started coming from all the corners to turn those rice into pearl. Other theory, is Puttur derived its name from "Puttha" in Tulu, meaning snake nests apt hills/ mounds inhabited by snake.



## AGRICULTURE

Puttur is the second largest city in Mangalore, which is a largest market for arecanut in Karnataka. Puttur is an agro based town of the Coastal region surrounded by several hillocks with lush green forest. The crops grown mainly are paddy, areca, coconut, cashew, rubber, cocoa bean, chilli, vanilla, pepper and plantains.



## ADMINISTRATION

Puttur Town Municipal Council was formed in the year 1973 by upgrading the Town Panchayath. The area covered by the then TMC was only Puttur. Kasaba village extent being 11 km<sup>2</sup>. Later in the year 1996 the portions of adjacent villages, which were developing as part of this town, were merged to form the present Town Municipality extending the area to 34 km<sup>2</sup> with 27 councilor wards. Puttur is the second biggest town in the District situated on Mangalore-Mysore Highway (Banjwal-Mysore State Highway 88) and is 52 km away from Mangalore, the District head quarter.



A sketch of street in puttur

## INDUSTRIES



Campco chocolate factory

Puttur Chamber of Commerce and Industry is an organization of the trading community. The main contributors to the growing economy is the members of PCCI. Campco chocolate factory is a joint venture of Government of Karnataka and Government of Kerala. It is an enterprise to promote the welfare of cocoa bean growers of both the states.

## DEMOGRAPHICS

As of 2011 India census, Puttur had a population of 52000. Males constitute 50% of the population and females 50%. The average literacy rate is 79%, which is higher than the national average of 59.5%; male literacy is 83%, and female literacy is 75%. About 11% of the population is under 6 years of age. Tulu, Kannada, Konkani and Malayalam are the languages spoken here.

## TOURISM

Juma Masjid Kalleja: It is said that about 300 years ago Tippu Sultan, the ruler of Mysore who was fighting against the British took possession of part of Puttur. Bendru Theertha (Hot Spring): About 15 km from Puttur there is a natural hot water spring (in Tulu language known as Bendru Theertha). It is the only hot water spring in South India. Beeranale Hill: Beeranale Hill is an attractive tourism spot of Puttur. The height of the Hill is around 1000 feet from the Sea Level. Mai De Deus Church: It is one of the ancient church built in 1830 by the Roman Catholic missionaries from Goa in Gothic style. This holy church is renovated with elegant architectural beauty. Maril church: A church built in 1999. Peer Mohalla Juma Masjid, Koorpadka: Koorpadka is a very historical place in Puttur at the period of Tippu Sulthan.

## ABOUT THE TEMPLE



Front view of temple before renovation



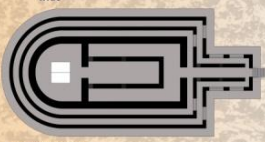
the Garbha Gudi during the renovation



the garbdi gudi before renovation

The stone slab present towards the right of the Garbha gudi which contains inscriptions in a language dating 11th - 12th century.

Renovation work of Sri Mahalingeshwara temple, Puttur will step into a decisive phase with 'shilanyas' ceremony scheduled for November 5. Its initial construction was done around the 11th century the renovation work has not been done for last 60 years as per records available with the temple. Its shape is unique and is called 'Gajaprasta' or the back of the elephant. The temple wields influence among its devotees far and wide.



GAJAPRASTA

The type of temple architecture primarily developed was based on the Buddhist Chaitya shrines. These type of temples consisted of a plan with a rectangular entrance and a circular rear. It has been described as Apsidal or horse shoe shape. The early Hindu temples adapted this style of architecture. It is also called the Gajaprasta or 'Elephant's Back'. Temples such as the Mahalingeshwara temple at Brahmarav, Hijamadi, Kota and Banra are of similar style.

## Jeernodhratham sthaphithamantra bimba grihadi dhimo yadi sampadesyat



other pictures during the time of renovation



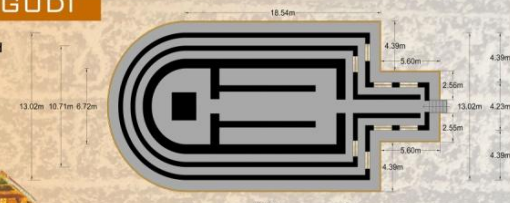
coins found under the Garbha Gudi during the renovation



the 45 ton statue of mahalingeshwara present before the renovation at the entrance

## THE MAIN GARBHA GUDI

The main garbhagudi consists of 3 walls which has the deepadali and also consist of a mantapa. Adhistanpa has a special paadabanda style. And the walls are carved with different types of vedike, panjara, koshtadigalu, shaladigalu, prasthara varagalu, ghanadwaragalu, sthambagalu, mucchige, 2 tala madu, keerthi mukhagalu, vyagalagalu. The main shrine is of Gajaprasta style. Under the Tantra samuchaya base the Garbha Gudi. As the temple is North facing temple it is called shikha aya. Stone carving style is vesara.



PLAN

The scale used in this temple is Payyanur kolu where 1 kolu = 24 angula, 1 angula = 8 yava, where 1 kolu is 74.3cm.

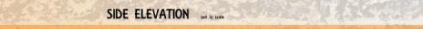


the view of the Garbha Gudi



FRONT ELEVATION

pallaki present in da puttur temple which is used during the ratostava



SIDE ELEVATION

## THE SACRED POND

this is the sacred pond of the temple. Puttur got its name after pearl "Mutthu" in Kannada and town of pearl "Mutthur" slowly renamed itself to Puttur. The famous believed myth is Centuries ago, due to draught priests were performing rituals with rice as prasada in the Holy pond of Mahalingeshwara temple, suddenly the water started coming from all the corners to turn those rice





PRODUCT DESIGN - USING RECYCLED MATERIAL

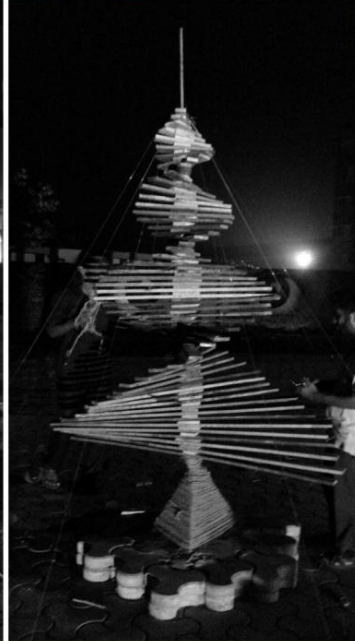
NASA - IMBIBE 2015  
DESIGNER INCHARGE OF NASA, IMBIBE  
2015.



HYPERBOLIC PARABOLOID STRUCTURE USING BAMBOO

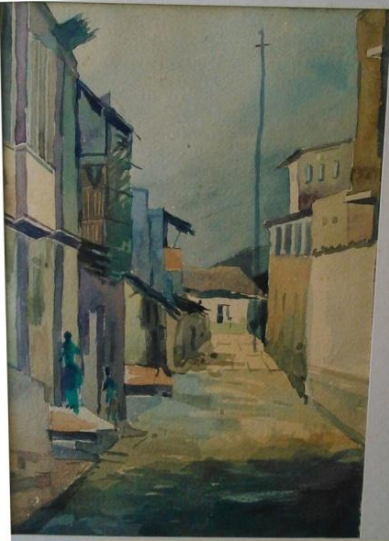


ENTRANCE BAMBOO STRUCTURE OF 6M HEIGHT



BROKEN CHAIR SCULPTURE

WATER COLOUR LANDSCAPE  
SPOT PAINTINGS



MODELS AND WALL PAINTING



APARTEMENT MODEL (3rd SEM)

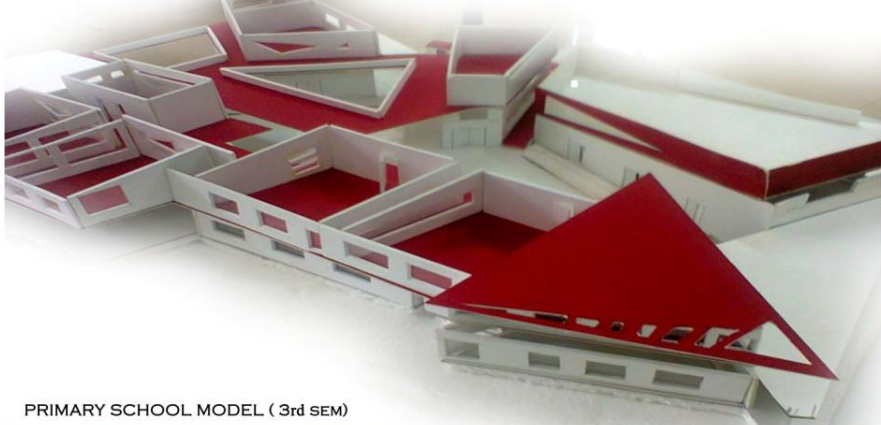


RESIDENCE MODEL

WALL PAINTING FOR ENTERANCE FOYER



WALL PAINTING (7th SEM)



PRIMARY SCHOOL MODEL ( 3rd SEM)



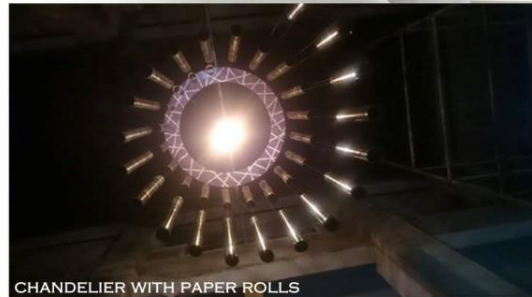
ASH STONE MODEL



WALL PAINTING (7th SEM)



OPERA HOUSE (4th SEM)



CHANDELIER WITH PAPER ROLLS



WALL PAINTING (7th SEM)





