

SITE LOCATION



UZHANNI EER CHENNAI TAMIL NADU

LATITUDE : 12.859314

LONGITUDE : 80.2492466



STAR PIZZLE APARTMENT



YOUKKA VILLA



CHILL VILLA

NEIGHBOURHOOD CONTEXT



UZHANNI TOLL PLAZA



KARAN GARDENS



SHIKEMATHI HOUSE

SITE HISTORY



JAN 2013



FEB 2025



JUNE 2020



JUNE 2025

VEGETATION HAS BEEN RELEASED
THE AREA HAS BEEN REDEVELOPED OVER YEARS
INFERENCE
HAVING THE SITE HERE IS A STRENGTH AS THE AREA IS BE WELDED

VEGETATION



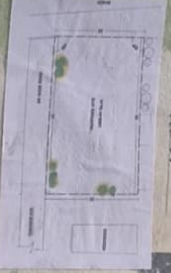
PALM TREES



INDIAN ALMOND



SANDY SOIL
✓ ALUMINA BEAR SOIL INFERENCE
✓ USE PILE FOUNDATION



SINCE OUR SITE HAS TROPICAL CLIMATE, MORE TREES HAS TO BE PLANTED

SOIL ANALYSIS



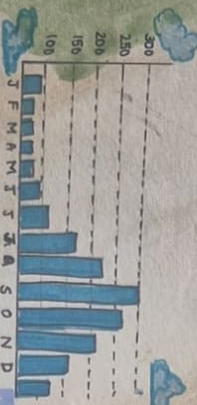
PILE FOUNDATION



CIRCULATION

TOURISTS EYE
RESIDENCE
VACANT LAND
10M WIDE ROAD

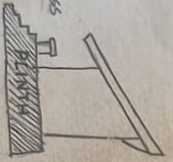
RAINFALL & CLIMATE



MAJOR RAINFALL DURING NORTHERN MONSOON OCT - DEC

HOT & HUMID TROPICAL CLIMATE
SUMMER TEMP : 35-42°C
HIGH HUMIDITY DUE TO SEA PROXIMITY

INFERENCE
✓ PROVIDE HIGH CEILING
✓ MAXIMUM CROSS VENTILATION
✓ SHADED OUTDOOR SPACES
✓ RAISED PLINTH TO PREVENT WATER INGRESS
✓ EFFICIENT SITE DRAINAGE



SUN PATH



✓ HARSH EAST & WEST SUN OVERHEAD SUN DURING SUMMER
✓ MINIMAL OPENING ON WEST
✓ PLEET VEGETATION, PERGOLAS, SLOPING ROOF OVERHANGS
✓ COURT YARDS THAT ALLOW CONTROLLED DAYLIGHT

WIND ANALYSIS

✓ NORTHEAST WIND (OCT-FEB)
✓ SOUTHWEST WIND (JUN-SEPT)
✓ ORIENT THE COURTYARDS TO CAPTURE NE ESE WINDS
✓ CROSS VENTILATED LAYOUTS
✓ CORROSION RESISTANT MATERIAL

WEAKNESS

✓ HIGH HEAT / HUMIDITY
✓ HARSH WESTERN SUN
✓ SALTY AIR
✓ LOTS OF COURTYARDS AROUND THE SITE

OPPORTUNITIES

✓ DEVELOPING AREAS AROUND THE SITE
✓ VIEW DRIVEN ARCHITECTURE

THREATS

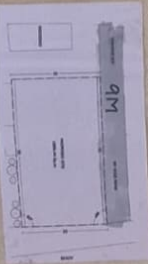
✓ EXTREME WEATHER CONDITION
✓ COASTAL EROSION RISK
✓ ENVIRONMENTAL SENSITIVITY

VIEWS



MAXIMIZE THE VIEWS TOWARDS THE BEACH WITH TERRACE, BALCONIES GALLERY & DECKS

ACCESS TO THE SITE



NOISE ANALYSIS



✓ NOISE FROM SEA WAVES
✓ VEHICULAR MOVEMENT FROM ROAD INFERENCE
✓ BEDROOM ON UPPER FLOOR AWAY FROM ROAD + TERRACE (WAYEN VEGETATION BUFFER

SLOPE ANALYSIS

✓ SITE IS ALMOST FLAT BUT HAS AN SLOPE FROM WEST TO INFERENCE
✓ THE DRAINAGE HAS TO BE LOCATED IN THE EAST (LOW PART OF THE SITE

SITE ANALYSIS

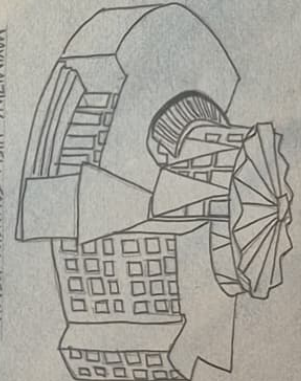
NAME : M SANANTHANA
RNR : 251431601021
BDES SEM-II
DESIGN ENVIRONMENT
CRESCENT SCHOOL OF ARCHITECTURE

CONCEPT

- CIRCULAR ELEMENT
- CONTINUITY / AIRFLOW
- FLUID MOVEMENT
- NATURE'S ORGANIC FORM
- SPATIAL LOGIC
- CENTRAL CORE
- REVOLVING SEGMENTS

THE CIRCULATION GEOMETRY ALLOWS EQUAL ACCESS TO LAND AND LIGHT BREAKS THE RIGIDITY OF CONVENTIONAL LINEAR PLANNING

A BEACH VIEW FROM BALCONY

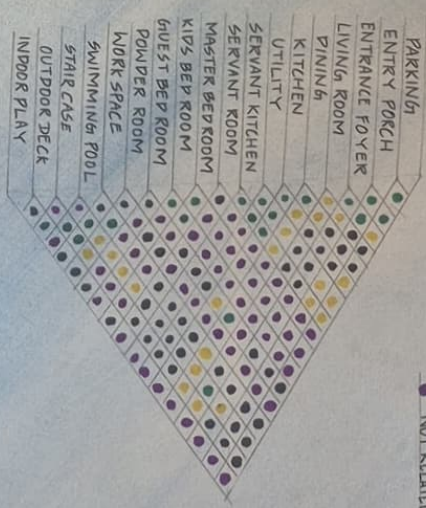


MAXIMIZING VIEW TOWARDS BEACH
THE SEA BECOMES PRIMARY DESIGN AXIS
VIEW BASED ZONING

- VIEW PRIORITY
- PRIMARY
- SECONDARY
- MINIMAL
- SERVICES
- LIVING DINING
- GUEST BATHROOM

ENSURE EVERY MAJOR SPACE MAINTAINS RELATIONSHIP WITH COASTLINE

PROXIMITY CHART

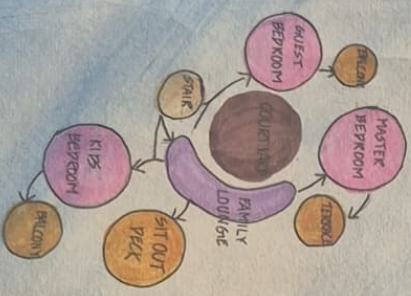


- ADJACENT
- NEARBY
- NOT ADJACENT
- NOT RELATED

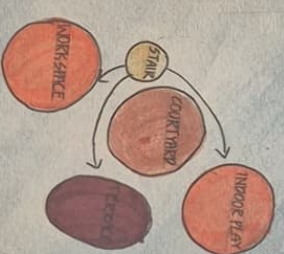
BUBBLE DIAGRAM



GROUND FLOOR

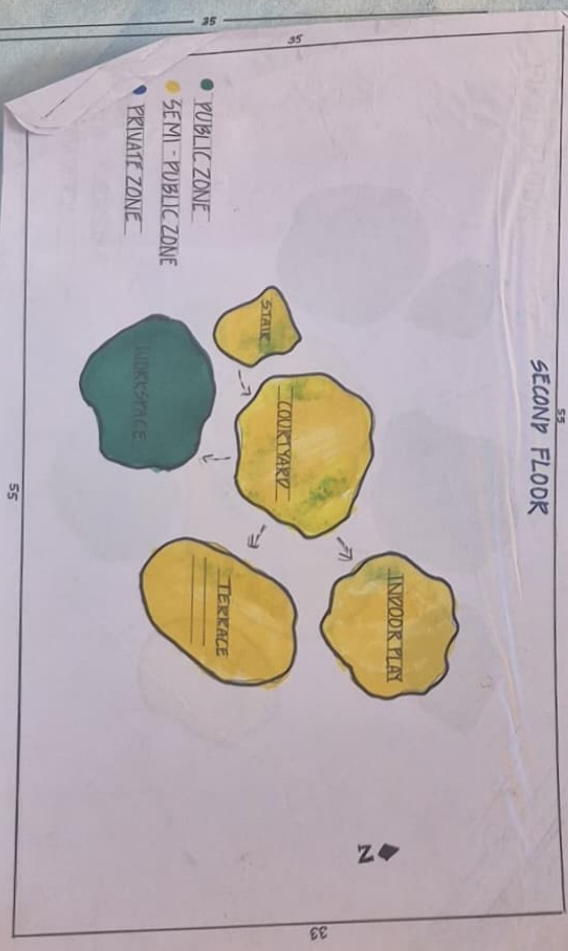


FIRST FLOOR



SECOND FLOOR

ZONING



SECOND FLOOR

- PUBLIC ZONE
- SEMI-PUBLIC ZONE
- PRIVATE ZONE

SCALE 1:200



55 M

55 M

35 M



VITRIFIED WOODEN

TILE

600 X 600 MM



MOSSAIC SWIMMING

TILE (PPV-5F-013)

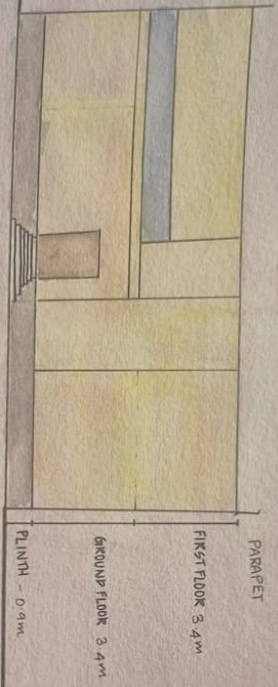
SIZE : 300 X 300 MM



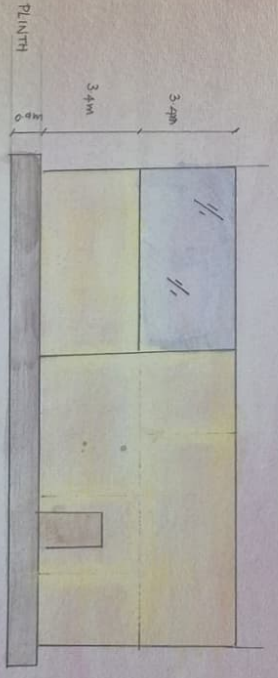
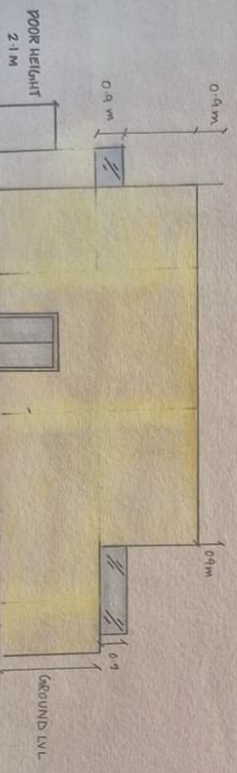
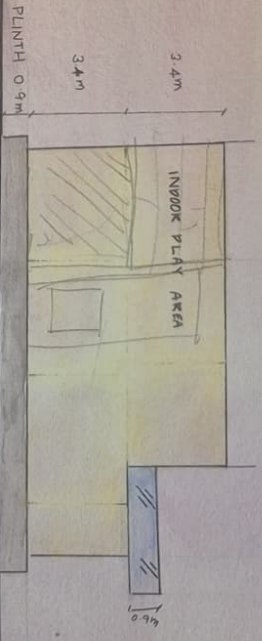
Scale

All dimensions

FRONT ELEVATION

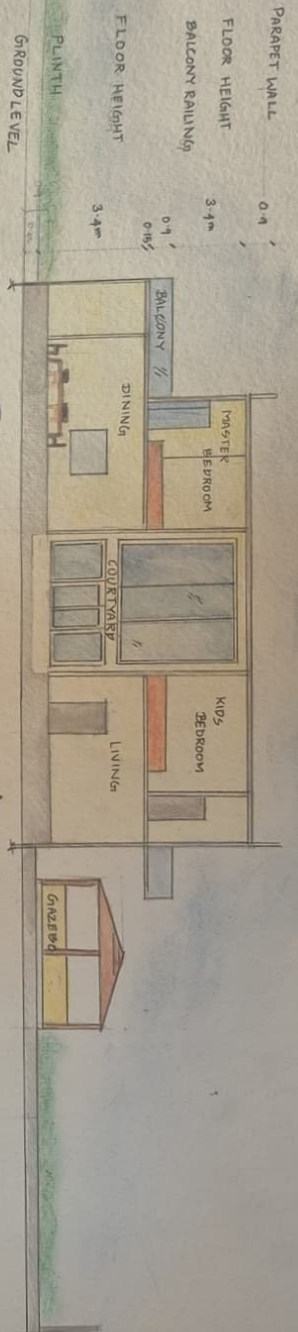


BACK ELEVATION



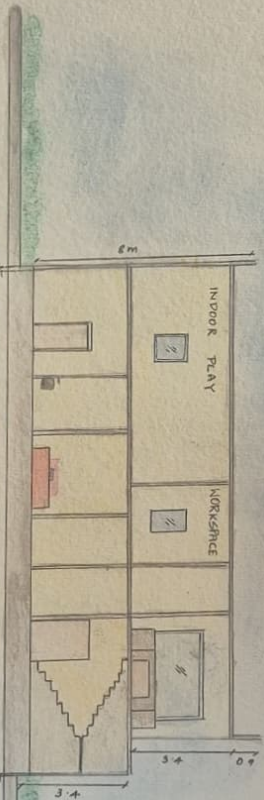
Elevations

NAME : M SHANU THANA
 R RN : 251431601021
 DES SEM - II
 DESIGN ENVIRONMENT
 CRECENT SCHOOL OF ARCHITECTURE



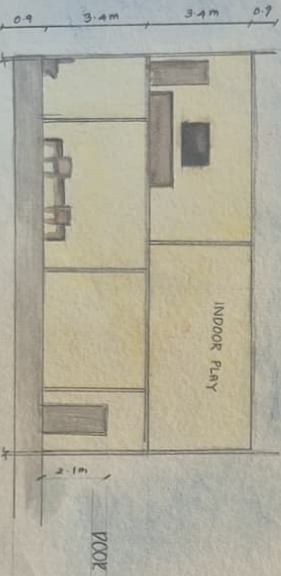
SECTION AA'

PARAPET WALL
FIRST FLOOR
GROUND FLOOR
PLINTH

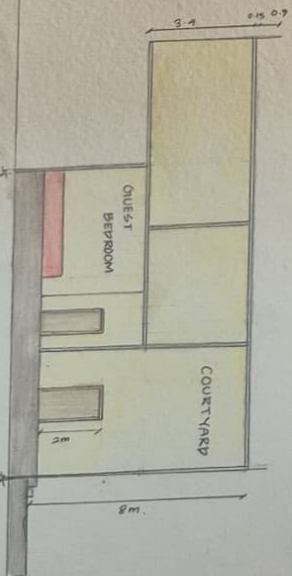


SECTION BB'

SECTION CC'



SECTION DD'



SECTIONAL ELEVATION

NAME: N. SANNANTHANA
RKN : 251.43161021
5-VIS SEM-II
DESIGN ENVIRONMENT

28

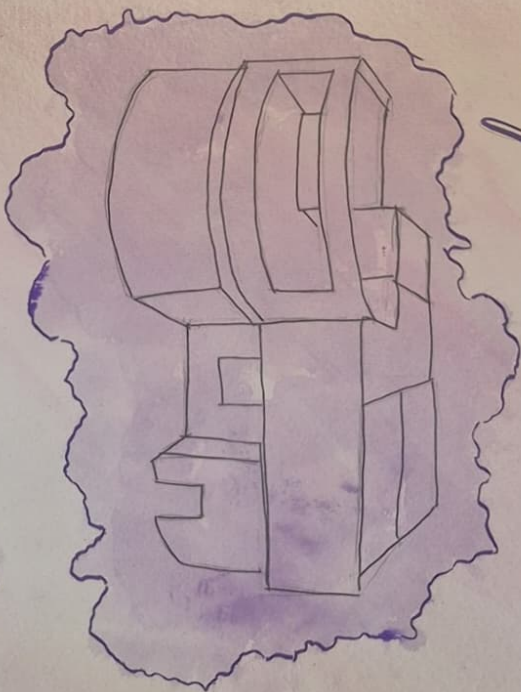
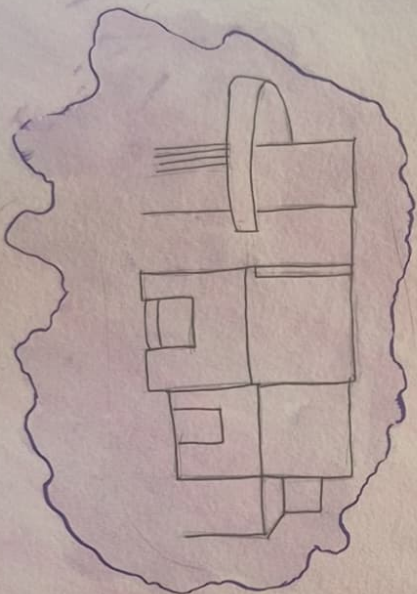
Concept

CIRCULAR AND CURVED ELEMENTS

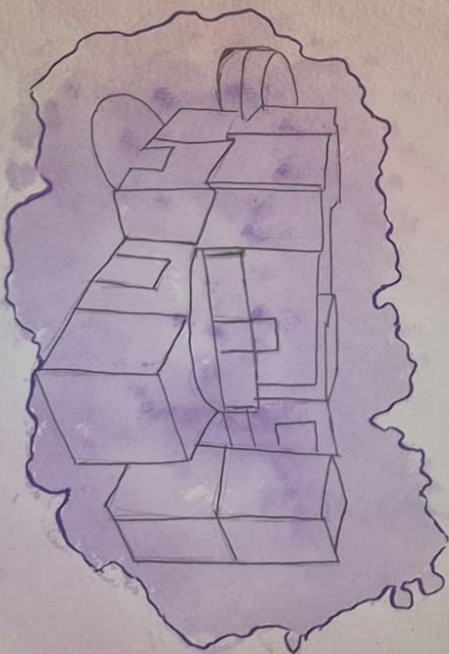
- IT REDUCES STRONG WIND RESISTANCE
- WIND FLOWS AROUND CIRCULAR SURFACES
- REDUCE OVERHEATING
- AVOID HARSH SHADOWS

VENTILATION

- CONTINUOUS AIR FLOW
- CROSS VENTILATION
- CURVES FEEL CALM

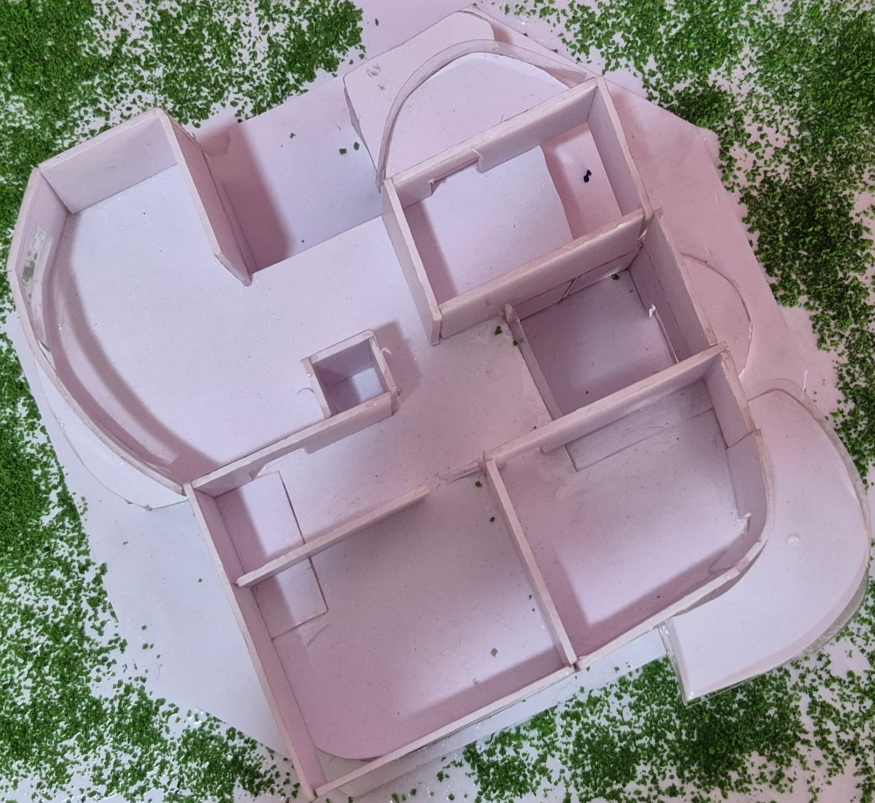


Conceptual Views



Concept Sheet

M. SANANTHANA
251431601021
B. DES SEM-II
DESIGN ENVIRONMENT

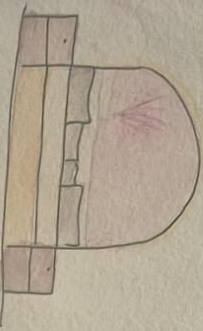




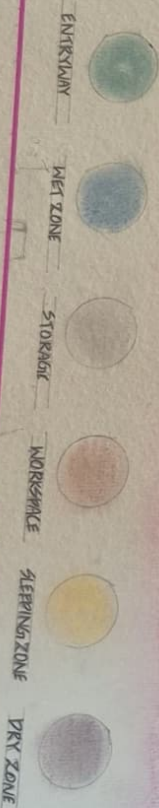
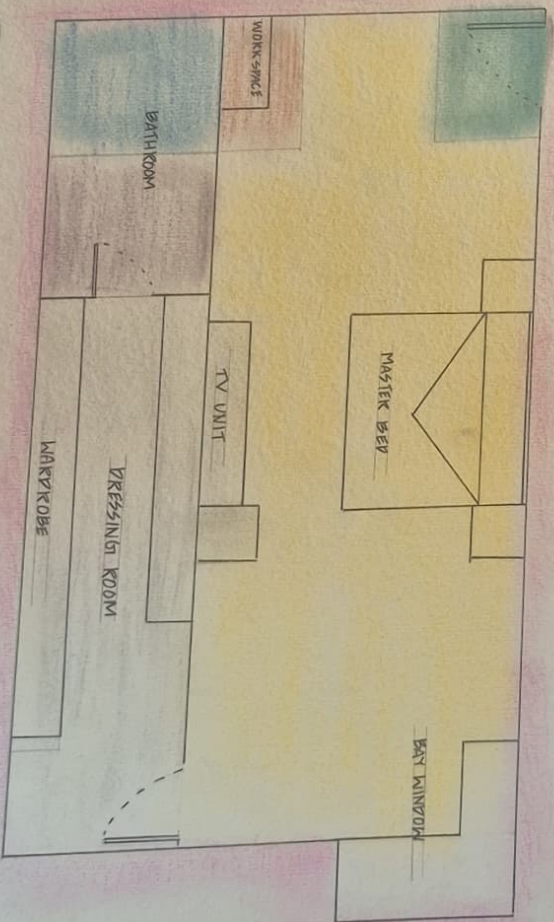
CONCEPT

Whispers of Nature

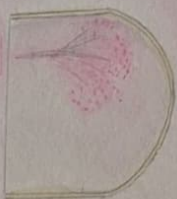
THE BEDROOM IS INSPIRED BY BEAUTY OF JAPANESE STYLE AND MAPLE TREE
 SYMBOLIZING CALMNESS AND HARMONY IN NATURE. MAPLE LEAF INSPIRED LIGHTING
 AND FLOKAL MURAL ART REFLECTS PEACEFUL ATMOSPHERE. MINIMAL DESIGN AND
 FURNITURE CREATES A RELAXING AND MINDFUL ENVIRONMENT



ZONING



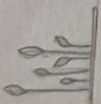
ELEMENTS



MURAL ART WITH MAPLE TREE



BAY WINDOW - SEA VIEW



PENDANT LIGHT WITH MAPLE LEAF



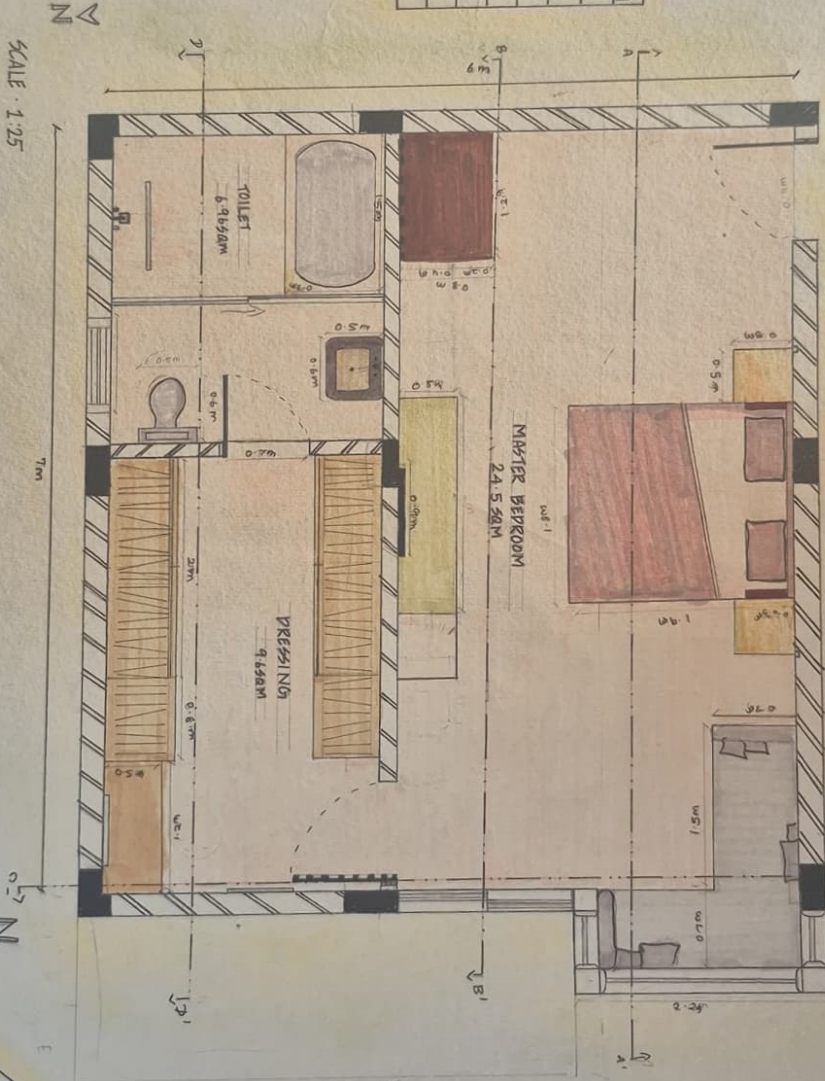
ZEN STYLE TV UNIT

MASTER BEDROOM & TOILET INTERIORS FOR WEEKEND COTTAGE - ZONING

MASTER BEDROOM PLAN

AREA	LENGTH	BREADTH
TOTAL AREA	6m	7m
BEDROOM	3.5m	7m
PRESSINGS	2.4m	4m
TOILET	2.4m	2.9m
NET AREA	2.4m	1.5m
DRY AREA	2.4m	1.3m
SHOWER AREA	1.5m	1.5m

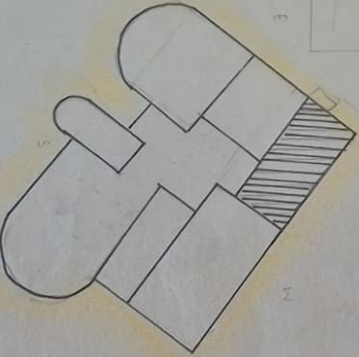
AREA STATEMENT



DOORS	LENGTH X BREADTH	NO OF DOOR
D1	2m x 0.9m	1
D2	2m x 0.7m	1
D3	2m x 1.5m	1
D4	2m x 2.4	1

WINDOWS	LENGTH X BREADTH	NO OF WINDOWS
W1	2.2m x 0.5m	1
W2	0.5m	2
W3	0.9m	1

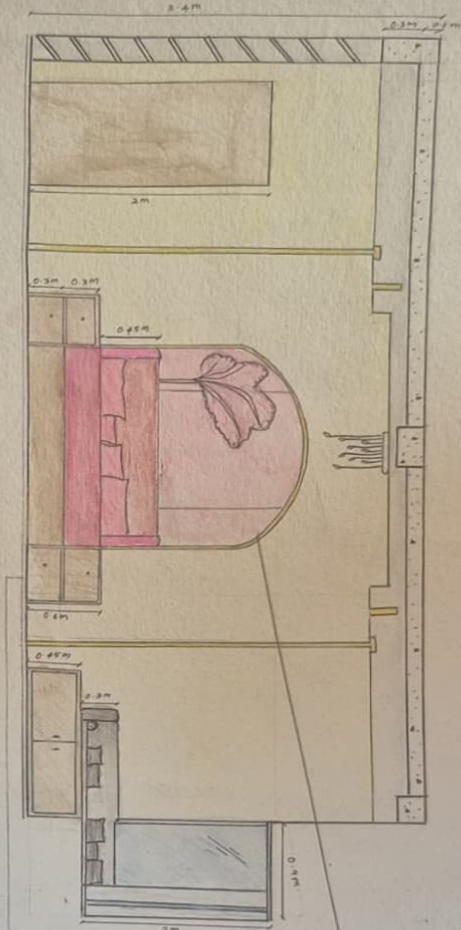
KEY PLAN



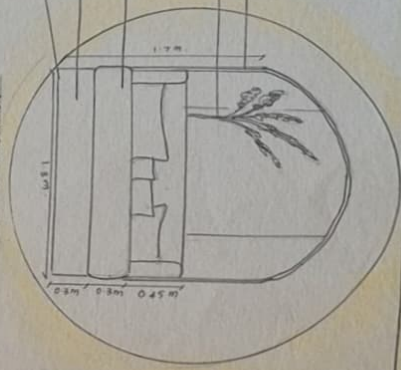
CONCEPTUAL PLAN

NAME : M SANANTHANA
 RKN : 251431610121
 B.PES SEM-11
 DESIGN ENVIRONMENT
 PRESENT SCHOOL OF ARCHITECTURE

SECTION AA'

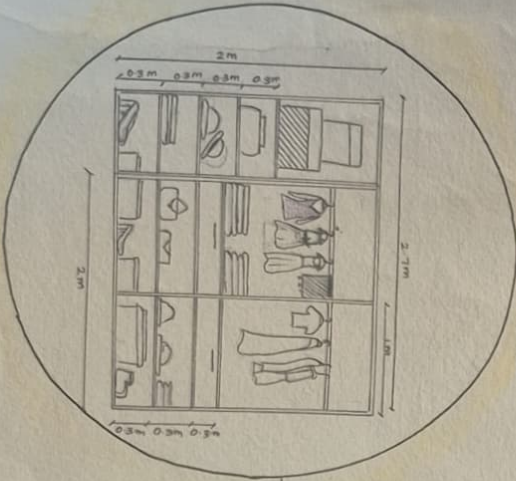


COVE LIGHTING
 PAINT TREE MURAL
 PINK - COLOUR
 FABRIC - LINEN
 OAK WOOD



MASTER BED DETAILS

WARDROBE DETAILS



WARDROBE
 MIRROR TABLE

SECTION DD'

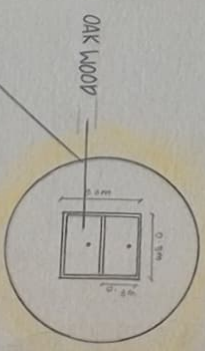
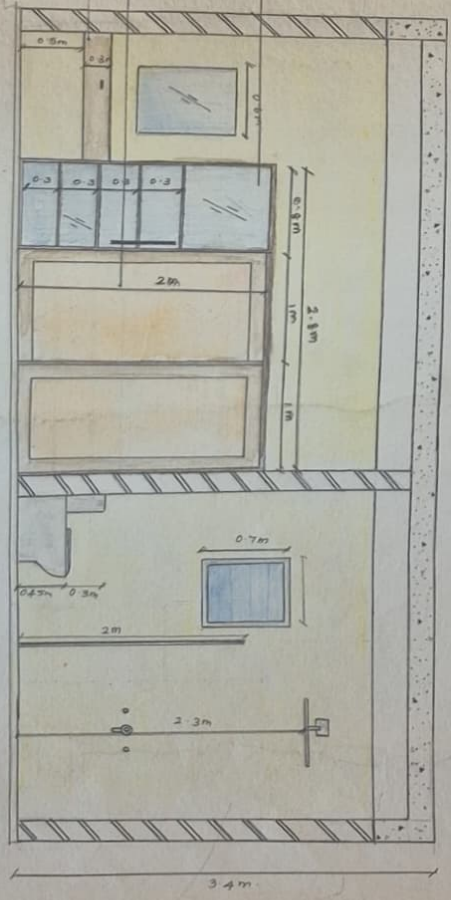


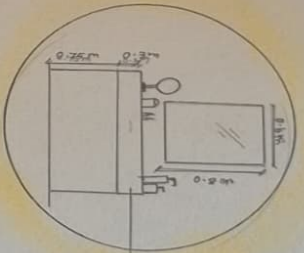
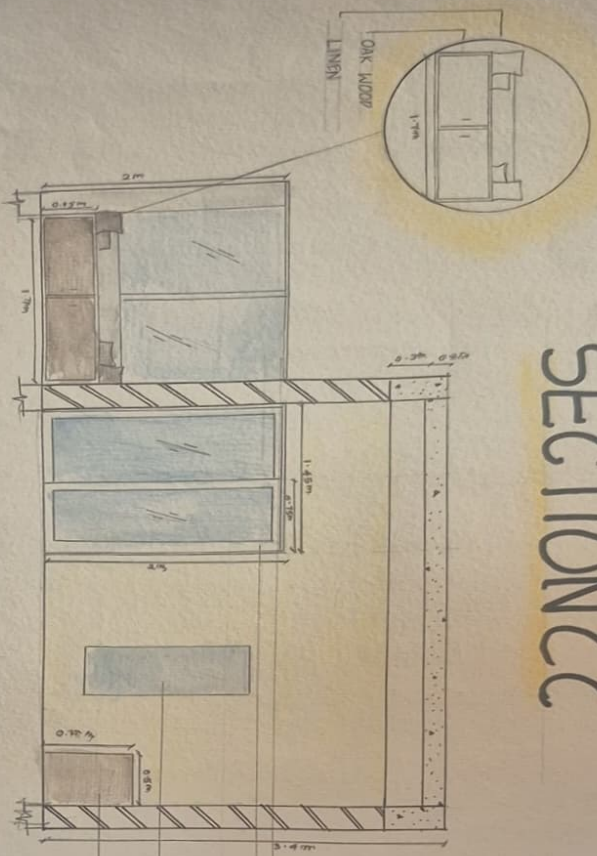
TABLE DETAILS

SECTIONAL ELEVATION

NAME : M SANANTHANA
 RKN : 251A31601021
 B. VISA SEM - II
 DESIGN ENVIRONMENT
 CRESCENT SCHOOL OF ARCHITECTURE

BANYANWOOD - 500R1 DETAILS

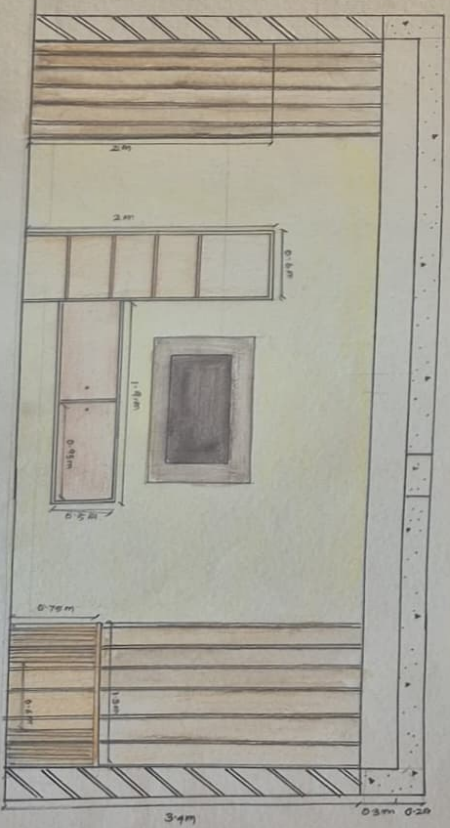
SECTION CC'



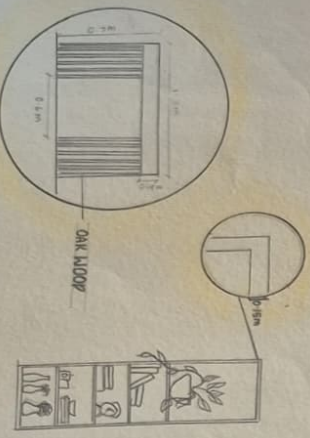
MIRROR TABLE DETAILS

OAK WOOD
 BANYANWOOD
 SLIDING DOOR
 LONG MIRROR
 MIRROR TABLE

SECTION BB'



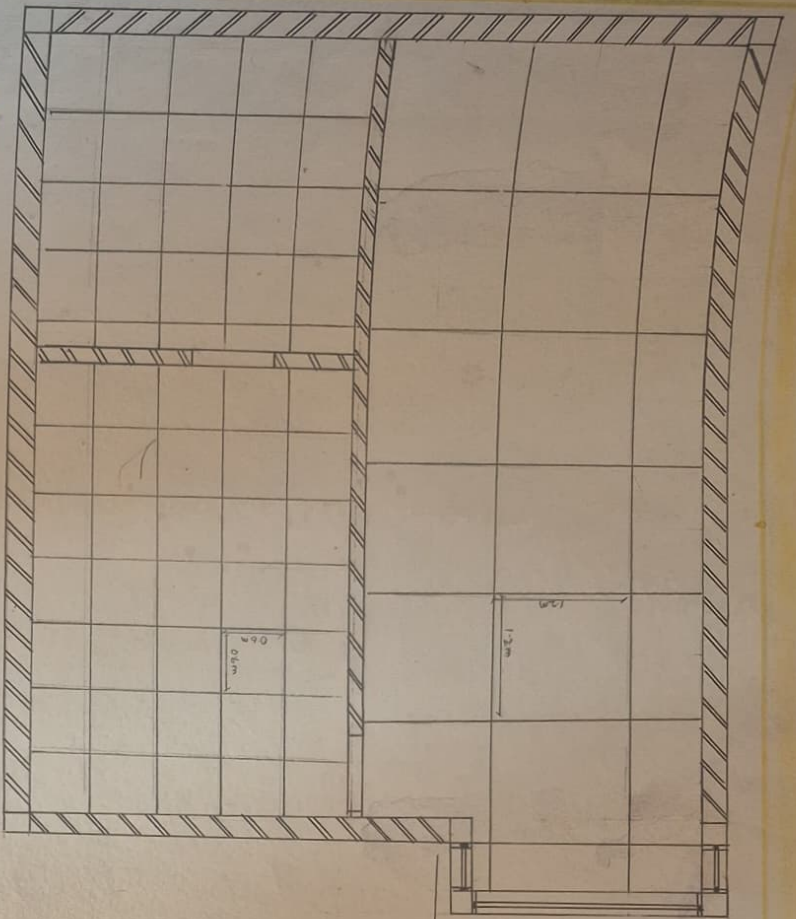
MDF PANELINGS
 WALL PAPER - THICKNESS 5MM
 SKINNESS DOOR WITH PANELINGS
 WOODEN TABLE



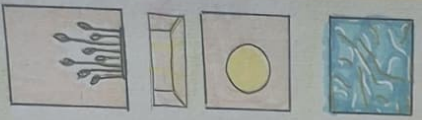
SECTIONAL ELEVATION

NAME : M. SAIKANTHANA
 RKN : 25145141021
 8th SEM - II
 DESIGN ENVIRONMENT
 CREAKENT SCHOOL OF ARCHITECTURE

REFLECTED CEILING PLAN



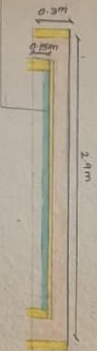
RECESSED CIRCULAR PART - DETAILS



BLUE ONLY INSULATION
NATURAL LAMINATED ONLY OF
THICKNESS 30MM

RECESSED CEILING LIGHT
DIAMETER - 0.2M

PENDANT LIGHT



SECTION - RECESSED PART

OUTER CIRCLE - 1.45M
INNER CIRCLE - 1.2M
LVL PIPE - TOTAL - 0.5M
FROM CEILING - 0.3M

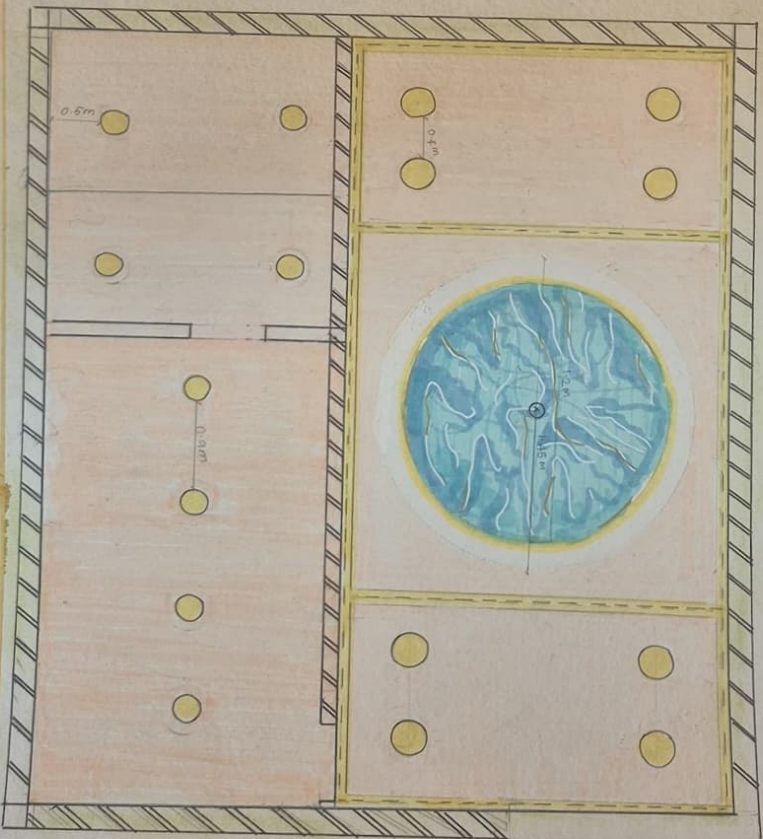
GYPSUM BOARD - 12MM
FOR FALSE CEILING

FLOORING PLAN



FLOORING - DETAIL

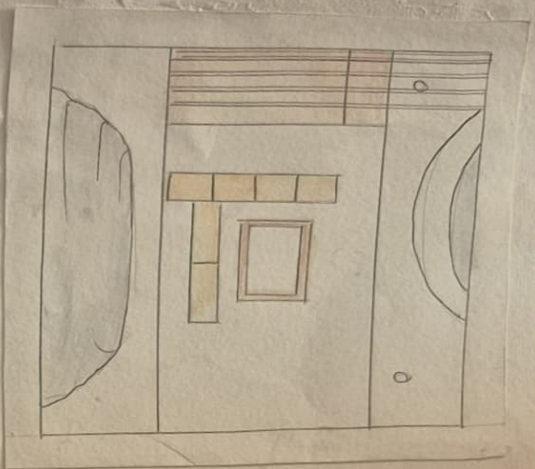
TILE NAME : VIKRIFIED WOODEN TILE
TYPE OF JOINT USED : BUTT JOINT [2MM]
DIMENSIONS:
600MM X 600MM [STANDARD SIZE]
BRAND USED:
KADAKIA
PER SQ FT : 350 - 120



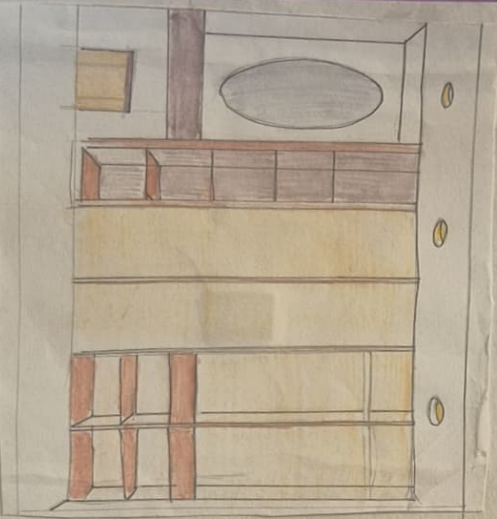
RCP AND FLOORING

NAME : M SHANANTHANA
KRN : 25143601021
B.YES SEM - II
DESIGN ENVIRONMENT
CRESCENT SCHOOL OF ARCHITECTURE

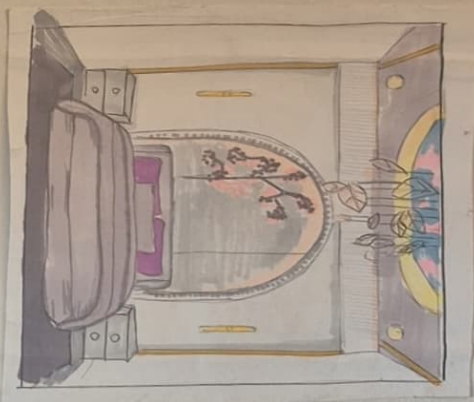
TV WALL - PANELLINGS



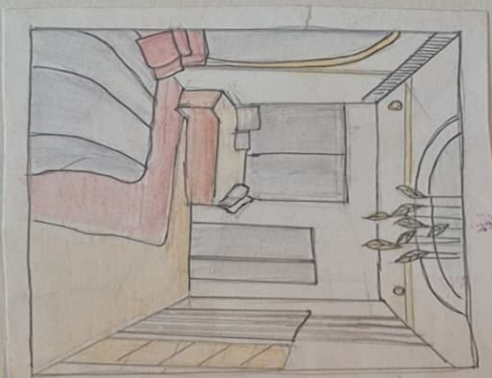
WARDROBE



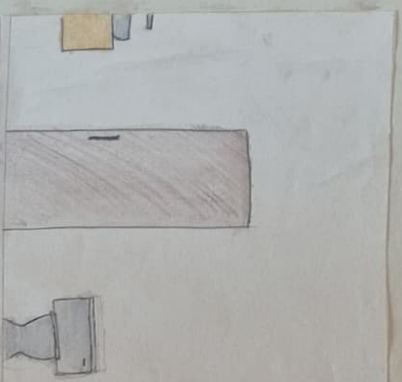
MASTER BED HEADBOARD



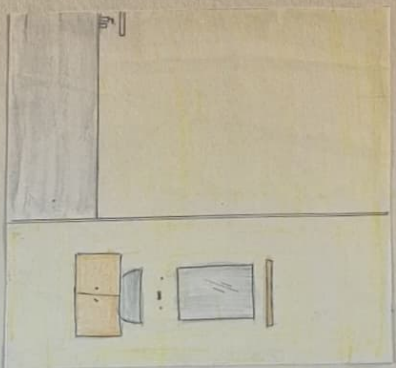
BAY WINDOW



VANITY & WC



BATH TUB & VANITY



Conceptual - Views

NAME : M.SANANTHANA
RNO : 25143161021
BDES SEM - II
DESIGN ENVIRONMENT
CENTRE SCHOOL OF ARCHITECTURE

WOOD

PANELLING



PLYWOOD



OAKWOOD



TEAKWOOD



SOFTWOOD



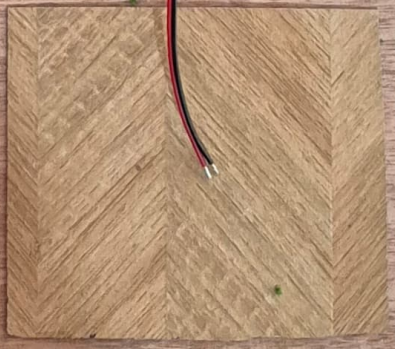
GLASS



STRIP LIGHT



GYPSUM BOARD



LAMINATE



BLUE ONYX STONE