

ARCHITECTURAL DESIGN AND DETAILING

NAME - BAIBHAB KUMAR PRADAN

REG. NO - 213401272 SEM-2

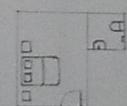
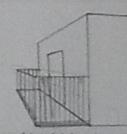
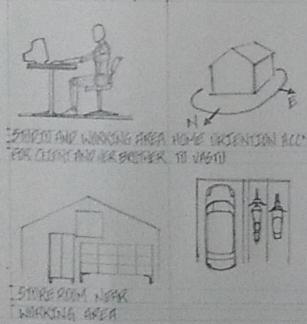
ARC-1102 - ADD-II

MANIPAL SCHOOL OF
ARCHITECTURE AND PLANNING

INDEX

UNIT NO	ASSIGN. NAME	PAGE NO
1	CLIENT BRIEF	
2	SITE ANALYSIS	
3	AREA PROGRAMMING	
4	SITE ZONING	
5	BUILDING LEVEL ZONING	
6	CONCEPT AND FORM DEVELOPMENT.	
7	SITE PLAN	
8	DOUBLE LINE PLANS	
9	ELEVATIONS AND SECTIONS	
10	VIEWS	
11	MODEL	

GENERAL REQUIREMENT



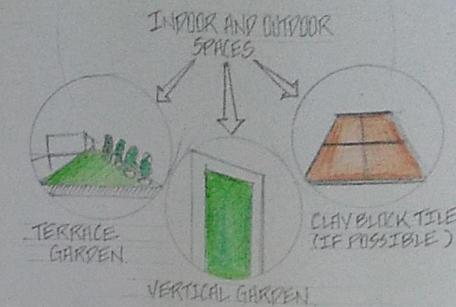
HIGH SLOPE, HALF TERRACE
(SLOPE SHOULD HAVE NEAT TILE ROOF)

VISUALLY APPEALING
BALANCED DESIGN

MORE OPENINGS
(FRENCH WINDOWS)

- G+1
- 3BHK + SEPARATE OFFICE FOR CLIENT AND HIS BROTHER
- TRADITIONAL AND MODERN ARCHITECTURAL STYLE.
- APPEALING, WARM, WELCOMING LOOK WITH A OFFSET STRUCTURE.

CLIENT BRIEF



SERVICES



AIR CONDITIONING SYSTEM
FOR BEDROOMS



MUNICIPAL WATER SUPPLY



RAIN WATER HARVESTING



MUNICIPAL ELECTRICITY
SUPPLY



SOLAR POWER

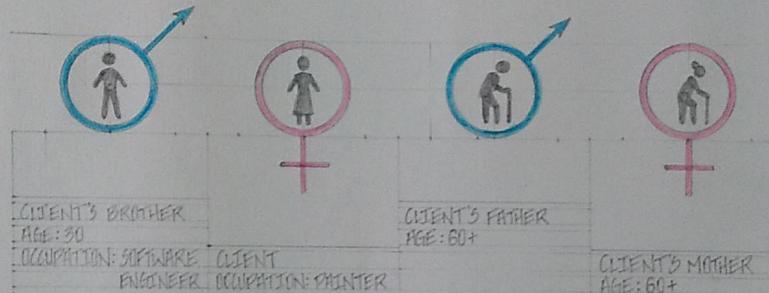


HOME AUTOMATION



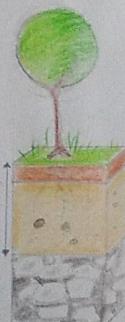
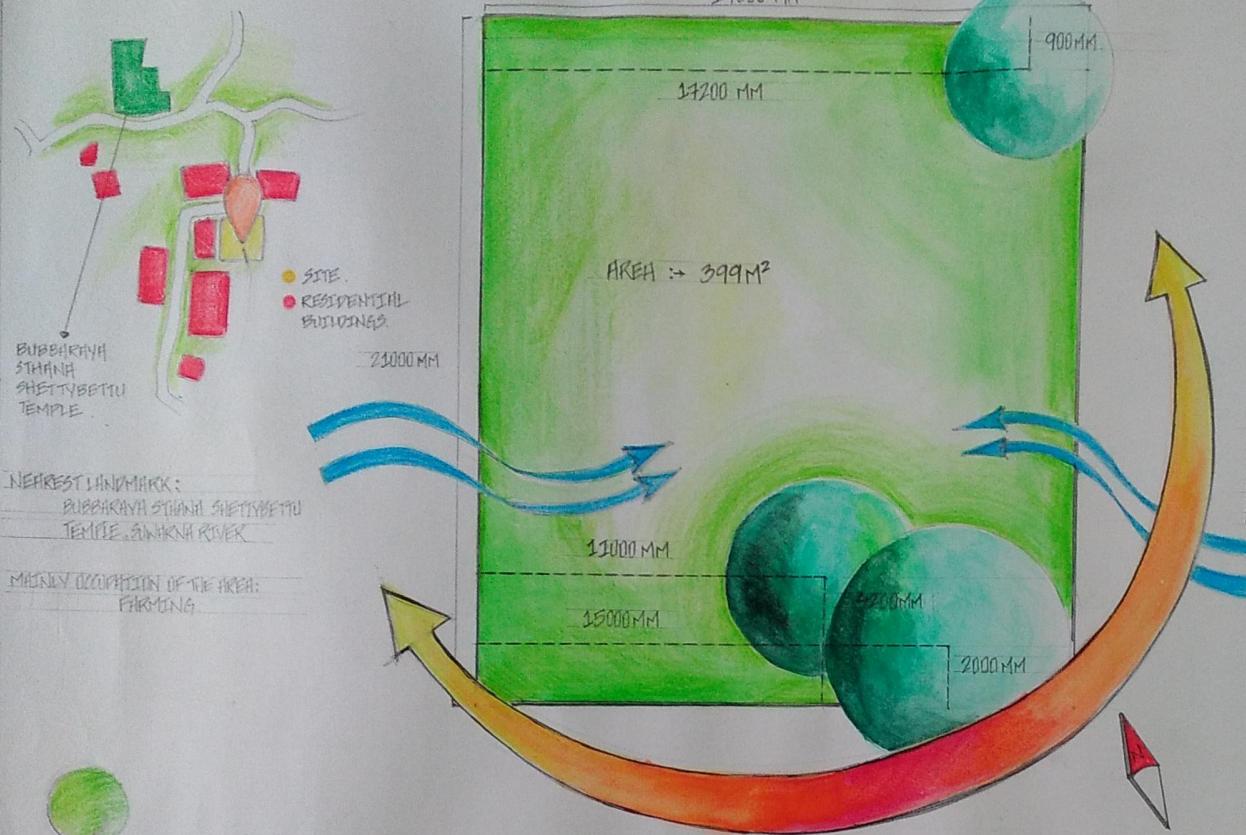
SECURITY CAMERA AND GUARD

CLIENT BRIEF



- DIRECTION OF KITCHEN, PER PLATE ROOM, ENTRANCE SHOULD BE IN VASTU
- KITCHEN AND DINNING SHOULD BE CONNECTED FROM LIVING ROOM
- NO OPEN SPACES INSIDE THE HOUSE, NO INDOOR GARDEN.
- SPATIAL REQUIREMENT
- PARTITION REQUIRED WHERE THERE IS NO DOORS.
- SEPARATE OPENINGS FOR STAFF TO VISIT CLIENTS.
- GOOD LIGHTING, UPPER LEVEL WINDOWS HIGH RISE WELL VENTILATED, NO WEST SIDE WINDOWS PREFER TO NORTH WINDOWS.

NAME - BHISHMA KUMAR PRADHAN
REG NO - 219901272
SEM - 2nd
ASSIGN NO -
DATE -



RED LATERITE SOIL, IT IS THE MOST DOMINANT SOIL TYPE IN THIS AREA.

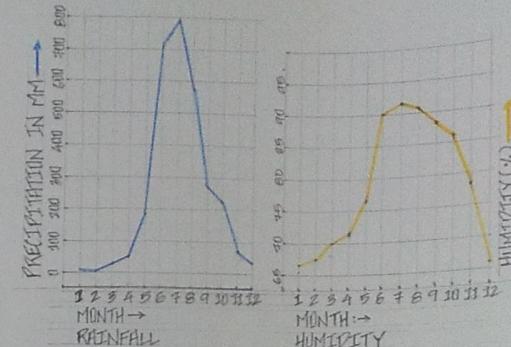
SITE ANALYSIS

SITE WIDTH: 19000 MM
 SITE LENGTH: 21000 MM
 DIAGONAL LENGTH: 23310 MM

SCALE: 1:100

VEGETATION:-

COCONUT
 CASHEW
 RATTLE BOX
 JHARIBLI



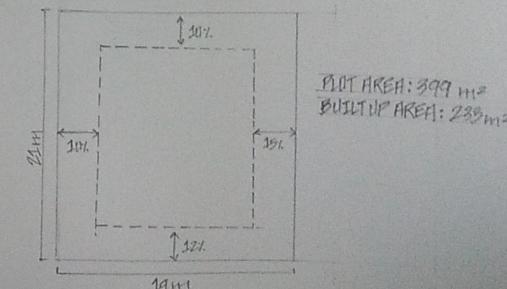
	AVG TEMP °C	MIN TEMP °C	MAX TEMP °C
JAN	25.8	20.7	31.1
FEB	26.6	23.6	32.5
MAR	28.1	25.6	32.8
APR	29.2	24.1	33.5
MAY	29.7	23.5	33.9
JUN	29.3	23.1	33.5
JUL	28.8	22.8	33.1
AUG	28.3	22.3	32.6
SEP	26.3	20.9	30.9
OCT	26.3	22.5	30.6
NOV	26.8	23.5	31.6
DEC	29.1	23.8	33.6

BUILDING MATERIALS:-

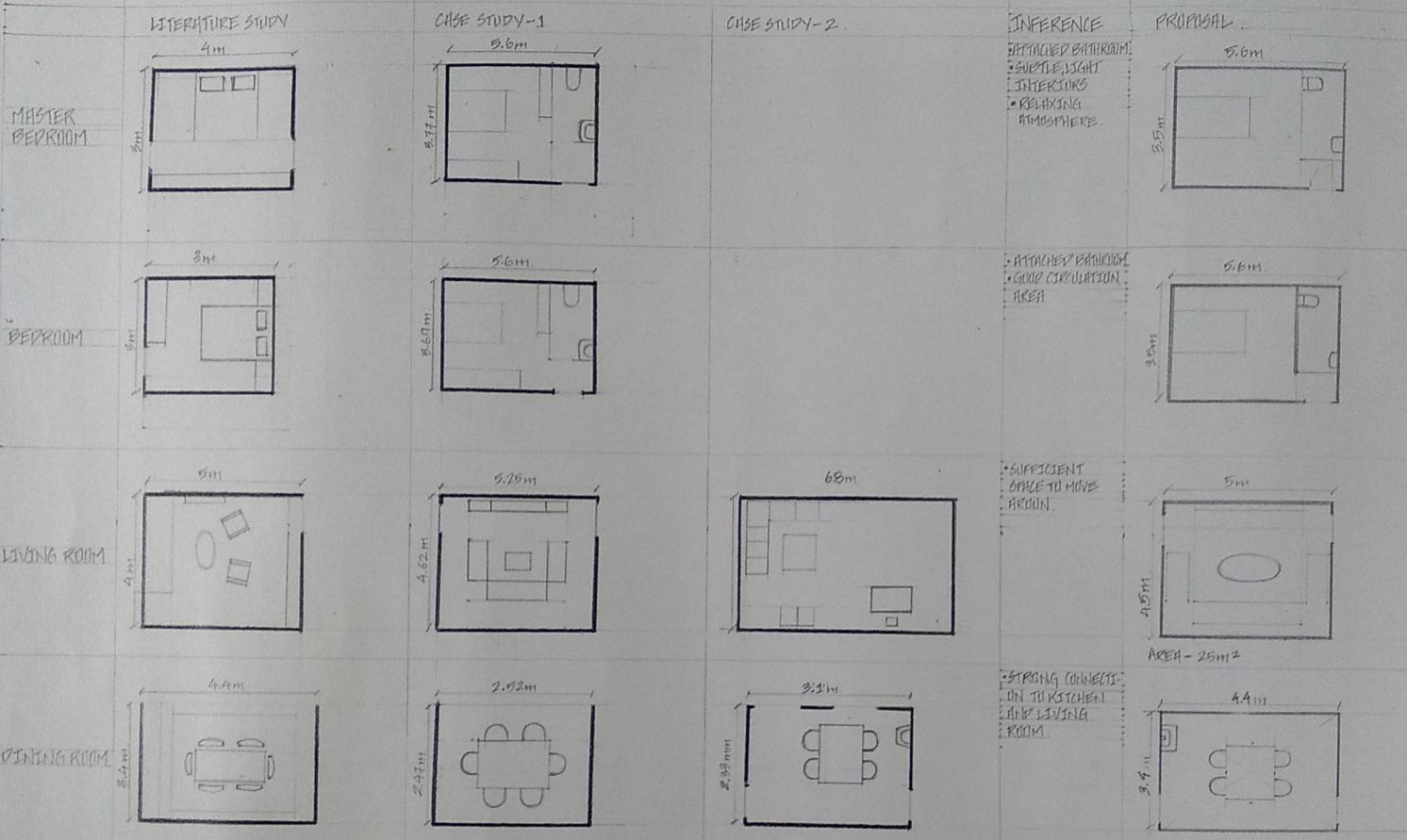
- LATERITE BRICKS ARE COMMONLY USED.
- CONCRETE CONSTRUCTION IS ALSO COMMONLY USED.

ROOFED WITH CERAMIC TILES OR SHEETS OF CORRUGATED METAL.

BYE LAWS: SETBACK AREA:-



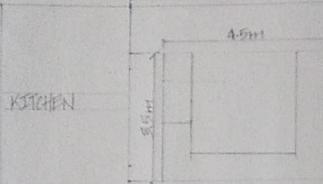
NAME: RAJBHAB KUMAR PRADHAN
 REG NO - 213101272
 SEM - 2nd
 ASSIGN NO -
 SHEET NO -
 DATE -



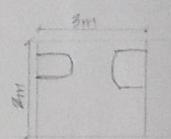
AREA PROGRAMMING.

Incompt
J. G. Pratap
NAME - BHISHME KUMAR PRADHAN
REG. NO - 233103272
SEM - 2nd
ASSIGN. NO -
SHEET. NO -
DATE :-

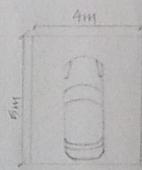
LITERATURE STUDY



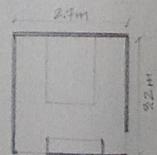
BEDROOM



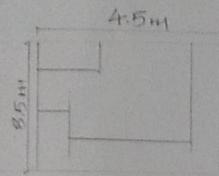
PARKING



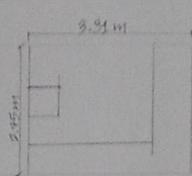
GUEST ROOM



CAB STUDY-I



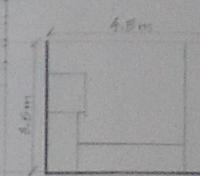
CAB STUDY-II



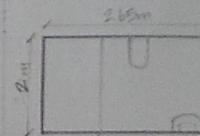
INFERENCE

- STRONG CONNECTION WITH DINING AREA
- EASY, SMOOTH WORKING AREA

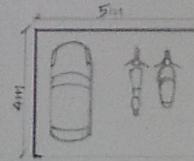
PROPOSAL



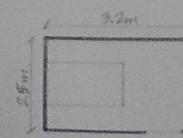
FEATURES PER
FEASIBILITY
TABLE, EASY CLEANING.



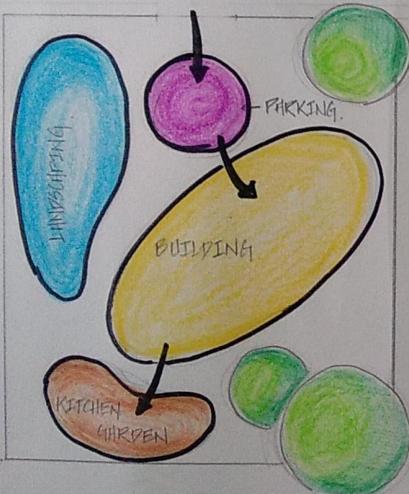
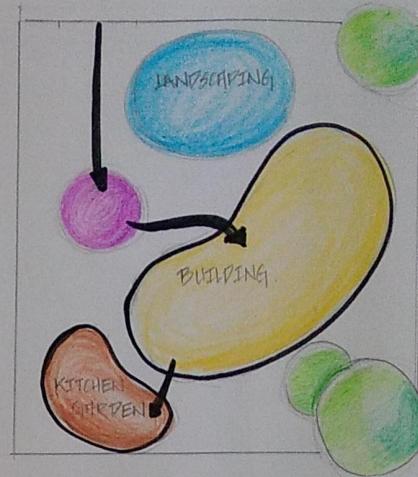
EASY ACCESS
• PSTD 2 CARS
• GOOD VENTILATION



ACCESSIBLE FROM
DINING ROOM



*Jaswant
Gh. Patel*



SITE ZONING

NAME: BHUPESH KUMAR PRADHAN
 REG: 213701272
 SEM- 2nd
 ASSIGN. NO. →
 SHEET. NO. →
 DATE : →

JL

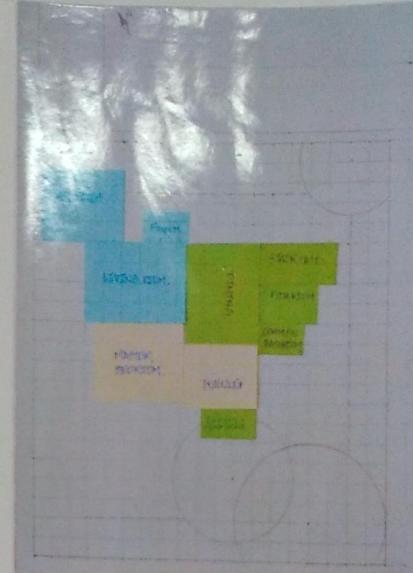
GROUND FLOOR



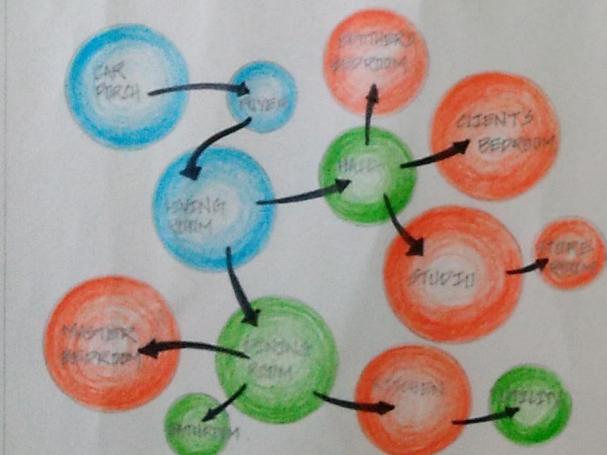
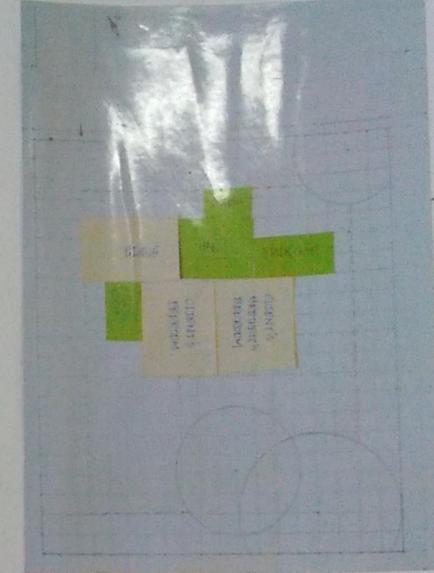
1ST FLOOR



GROUND FLOOR

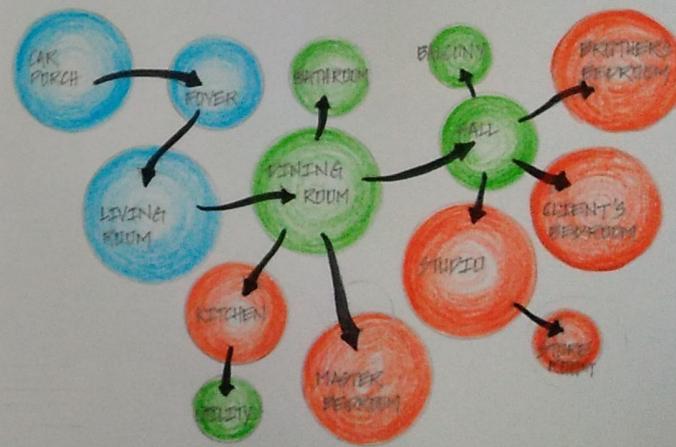


3RD FLOOR

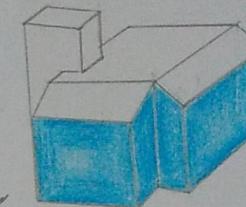
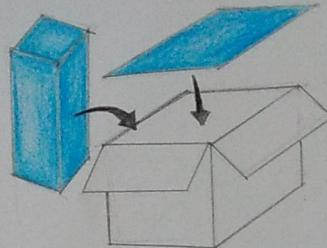
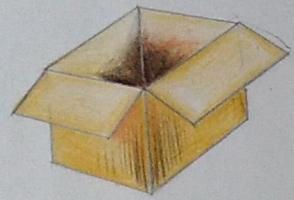


PUBLIC
SEMI-PUBLIC
PRIVATE

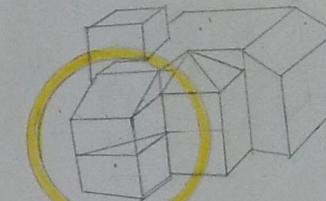
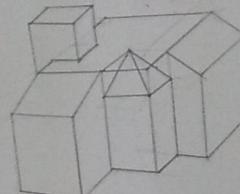
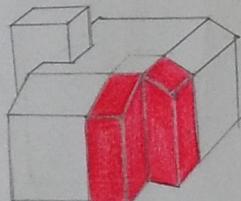
BUILDING LEVEL ZONING



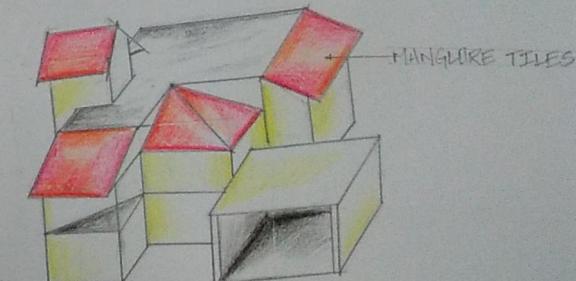
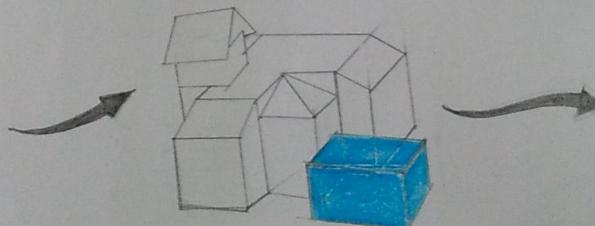
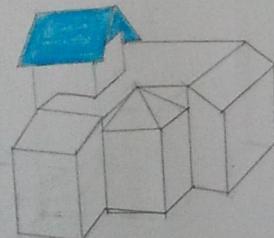
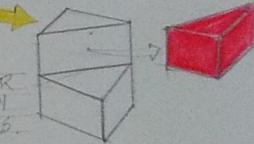
NAME → BAIBHAB KUMAR PRADHAN
REG. NO. → 218101272
SEM → 2nd
DATE →
SEC - B



THIS FORM IS DERIVED FROM A
CARDBOARD BOX.



THE BALCONY AND PONR
IS ALIGNED IN SUCH A WAY
THAT IT LOOKS LIKE STAIRS.

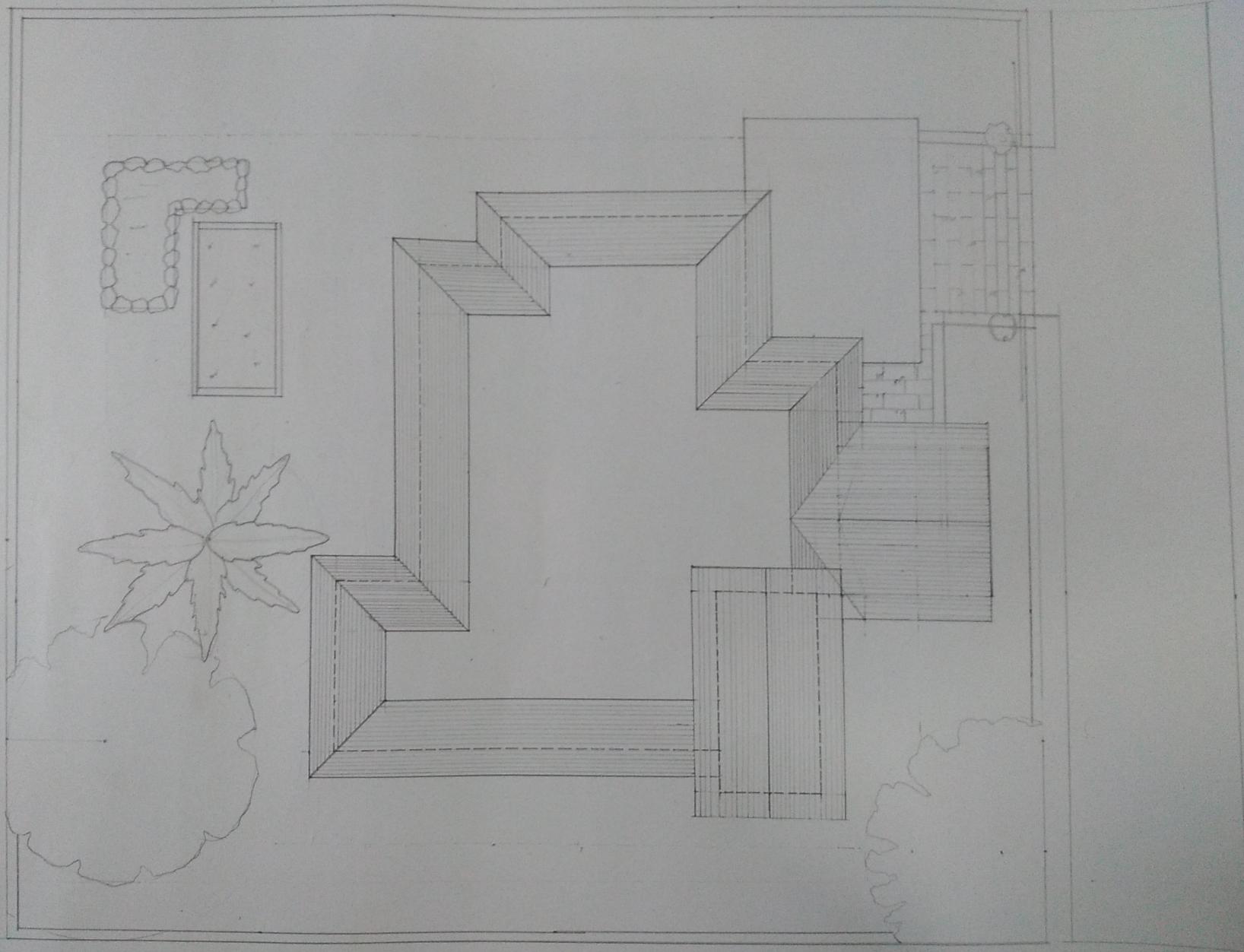


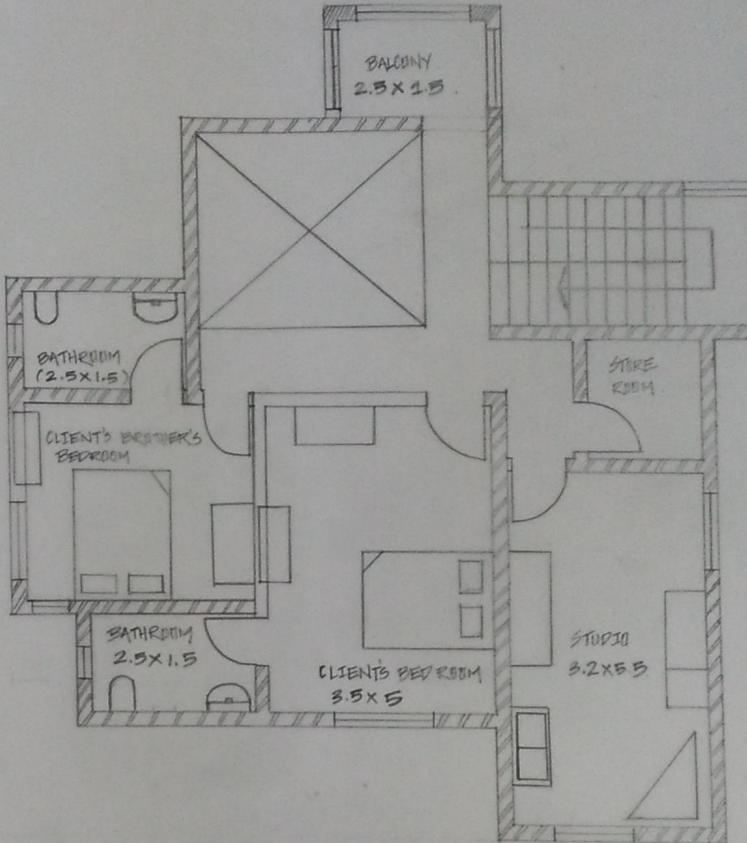
ADDITION OF SPACE OR FORMS
SUBTRACTING OF SPACE OR FORMS.

CONCEPT AND FORM DEVELOPMENT

NAME - BAIBHAB KUMAR PRADHAN
REG. NO - 213101272
SEM - 2nd
DATE - 30/05/2022

SEC - B





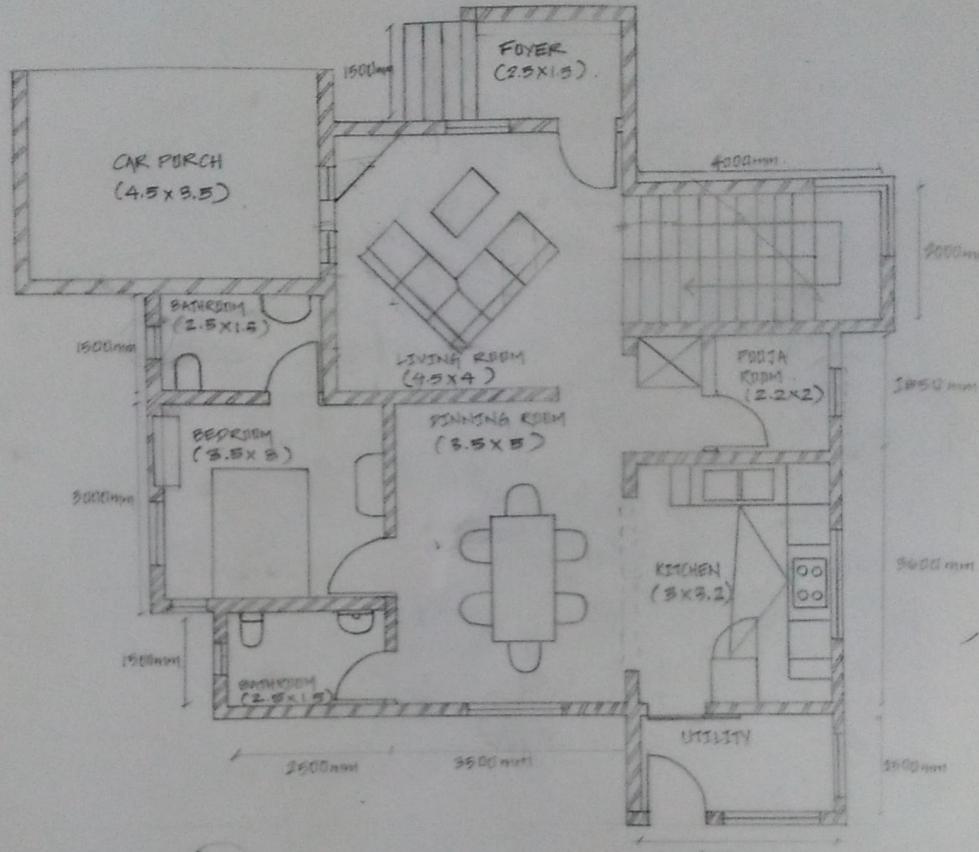
FIRST FLOOR PLAN

SCALE: 1:50

FLOOR PLAN

NAME: PAJPHAB KUMAR PRADHAN
REG NO- 213301292
SEM - 2nd SEC - B
DATE --

GROUND FLOOR PLAN.



WINDOWS DIMENSION.

WINDOW 1 (LARGE) - 1.5m x 2.5m
 WINDOW 2 (MEDIUM) - 1m x 2.5m
 WINDOW 3 (SMALL) - 0.5m x 2.5m.

DOORS DIMENSION.

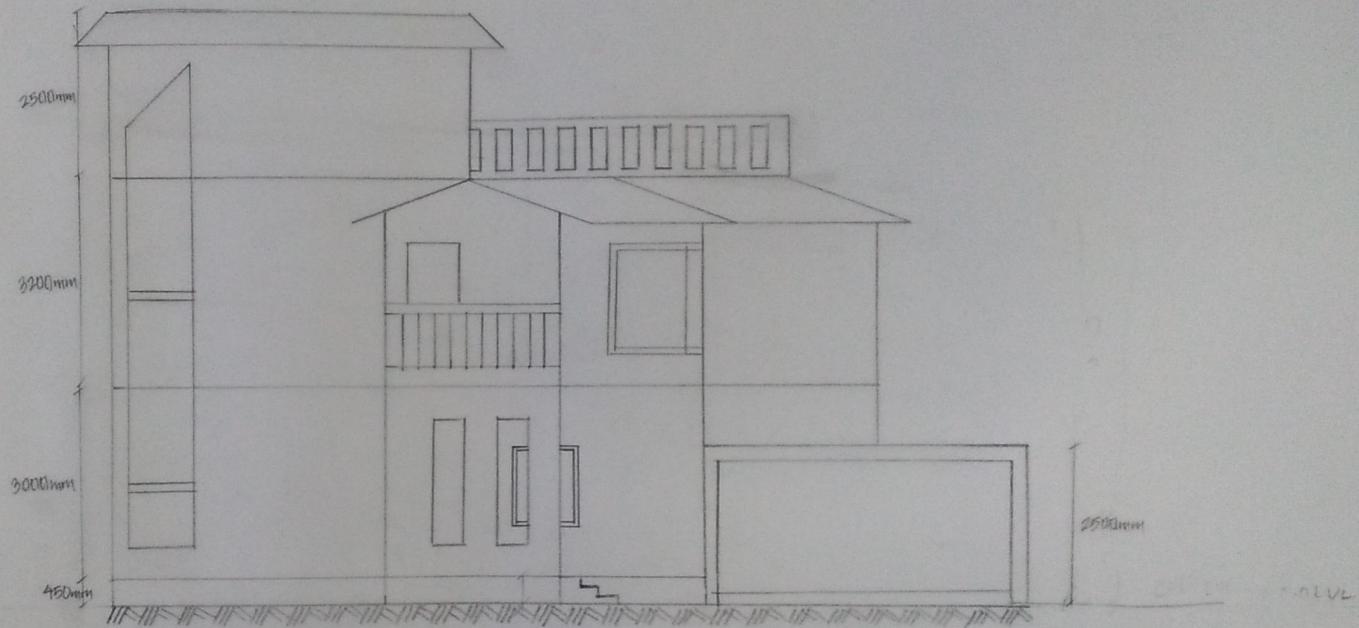
DOOR 1 (ENTRY DOOR) - 0.8m x 2.3m
 DOOR 2 (BATHROOM DOOR) - 0.8m x 2.3m



SCALE: 1:50

FLOOR PLAN

NAME - BAIBHAB KUMAR PRADHAN
 REG NO - 2192111242
 SEM - 3rd SEC - B
 DATE -



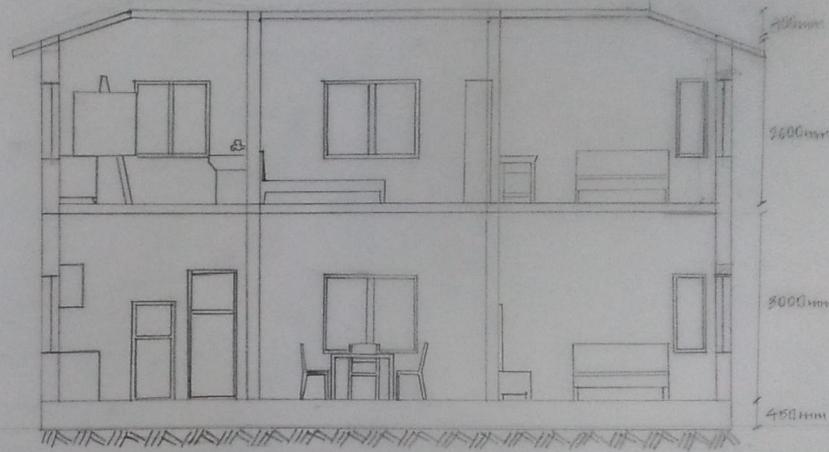
ELEVATION

SCALE - 1:50

NAME - BAJBHAB KUMAR PRADHAN
REG. NO - 233101242
SEM - 2nd
DATE -

[Signature]

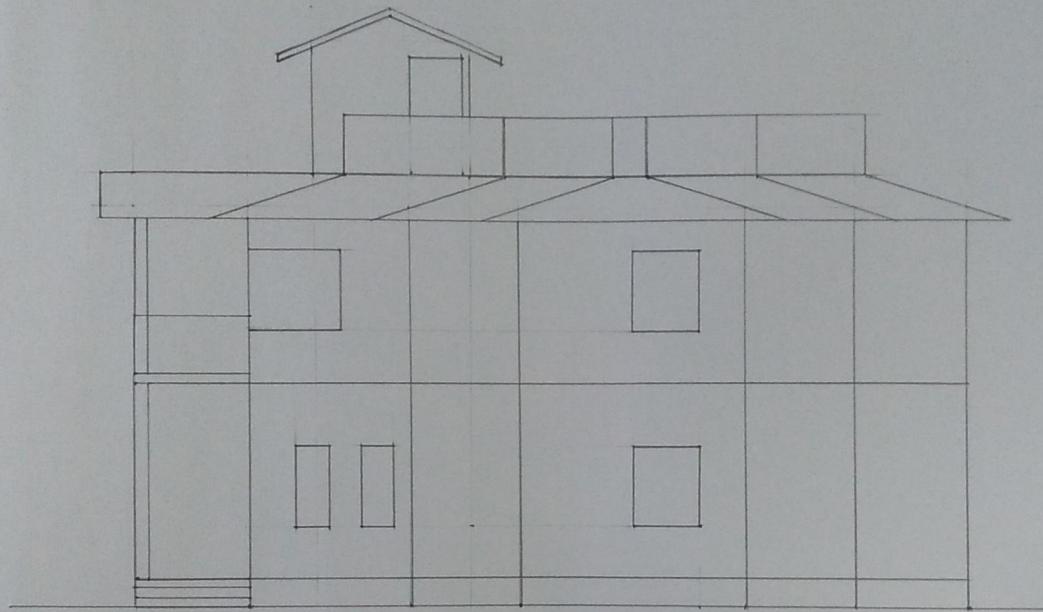
SET-B



SCNE: 1:50

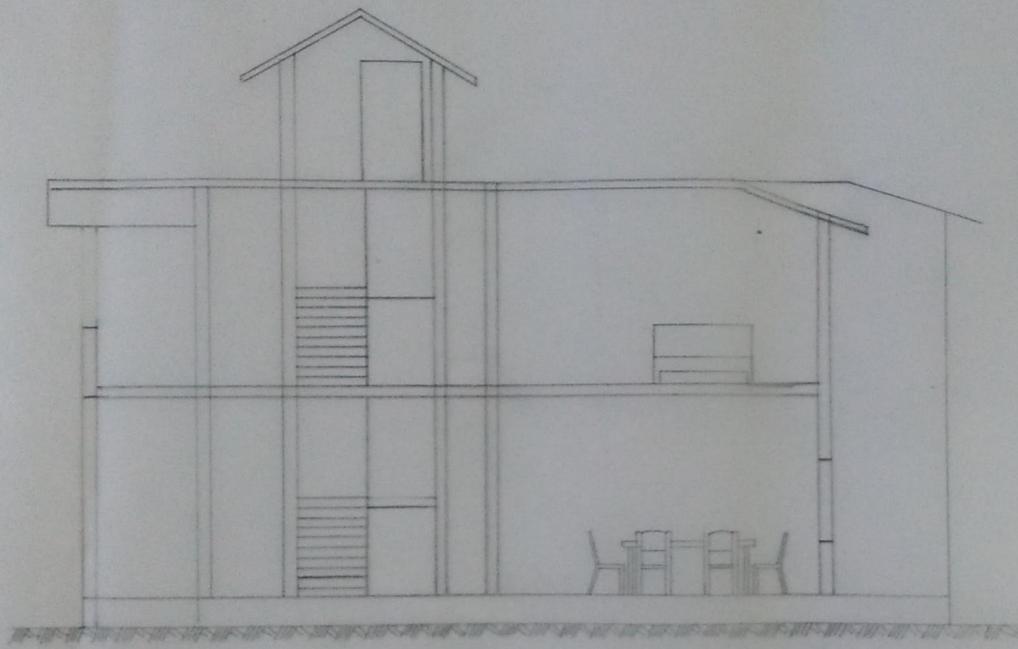
SECTION

NAME - BAPNAJ KUMAR PRADHAN
REG. NO - 218411212
SEM - 2nd
DATE - *[Signature]*



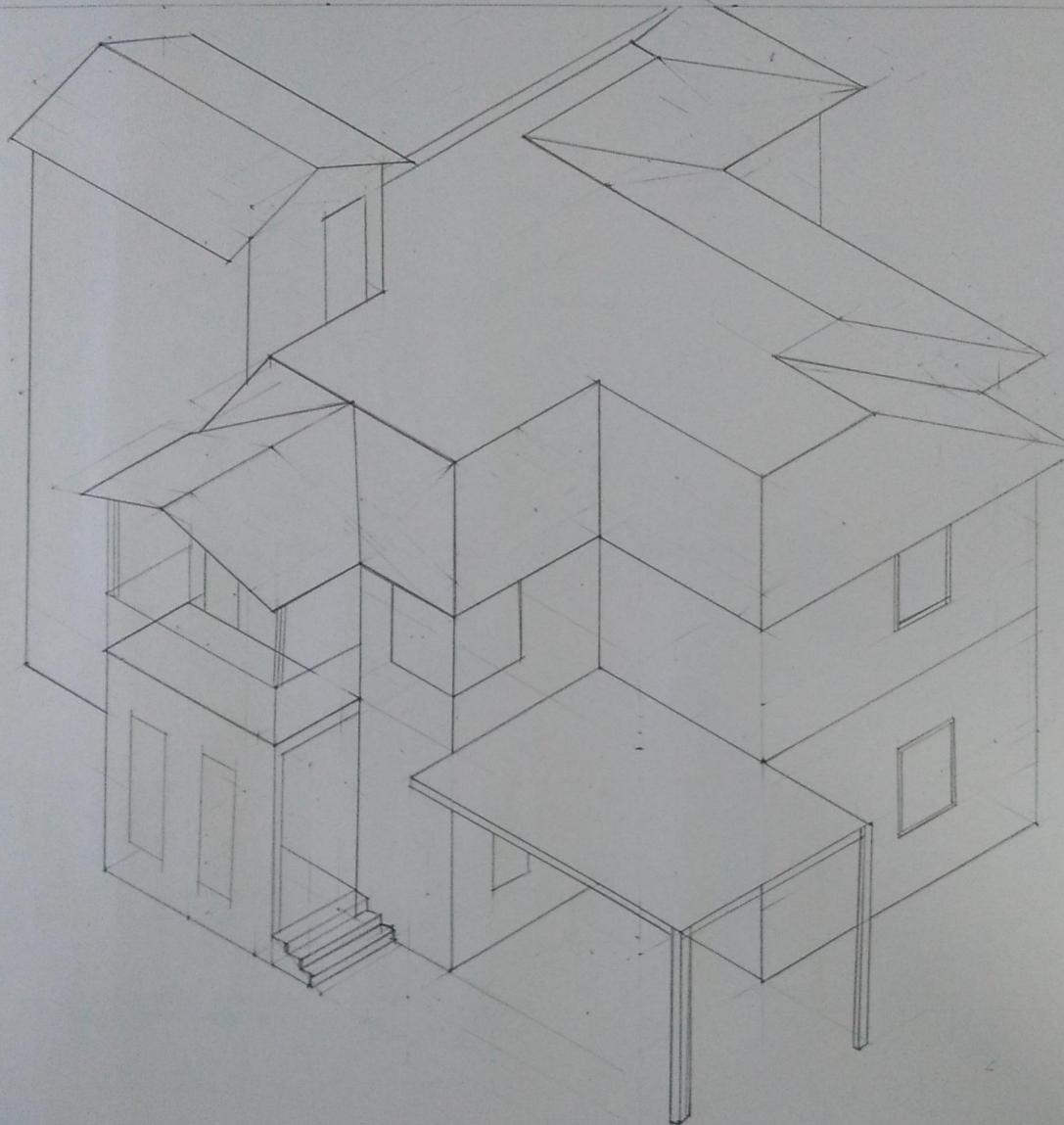
ELEVATION

NAME - BAJBHAB KUMAR PRADHAN
REG.NO - 213701272
SEM - 2nd
DATE -
SEC-B
PAGE NO -



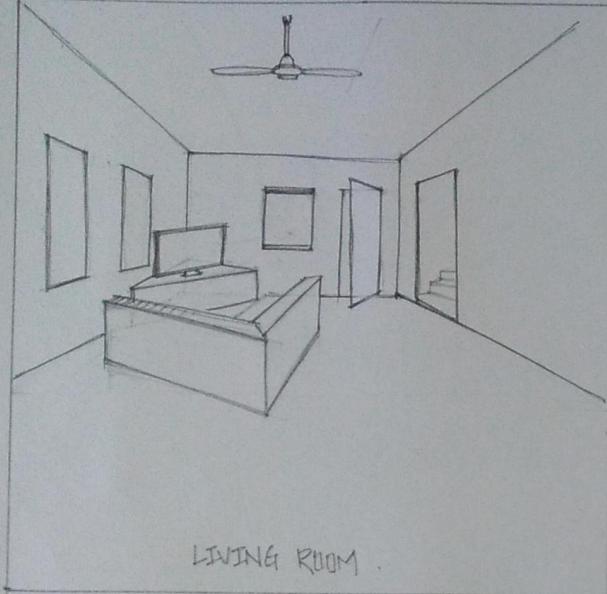
SECTION :

NAME - BAIRHAB KUMAR PRADHAN
REG. NO - 233901292
SEM - 2nd
DATE -
SEC - B

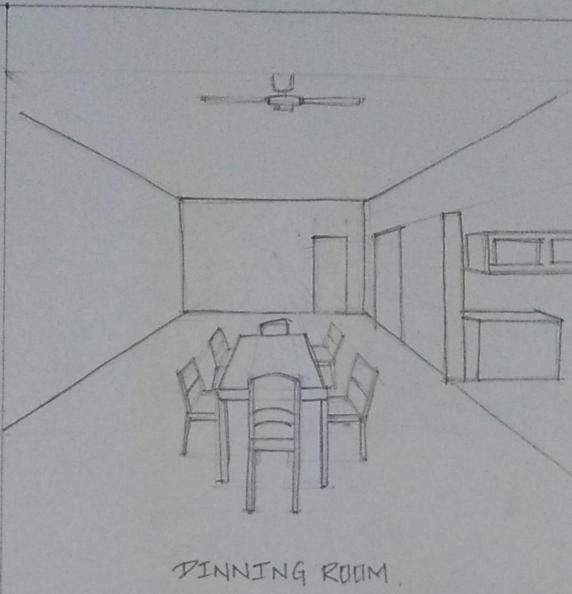


VIEW

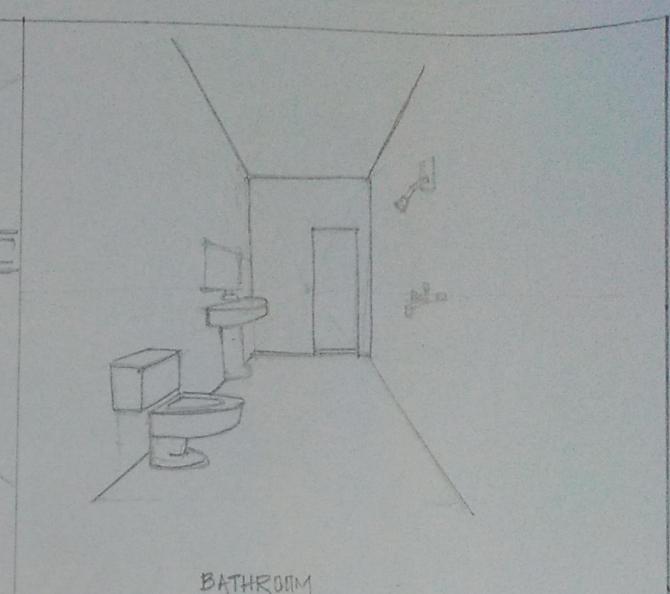
NAME - BAIBHAB.KU. PRADHAN
REG.NO - 213401272
SEM - 2nd SEC - B



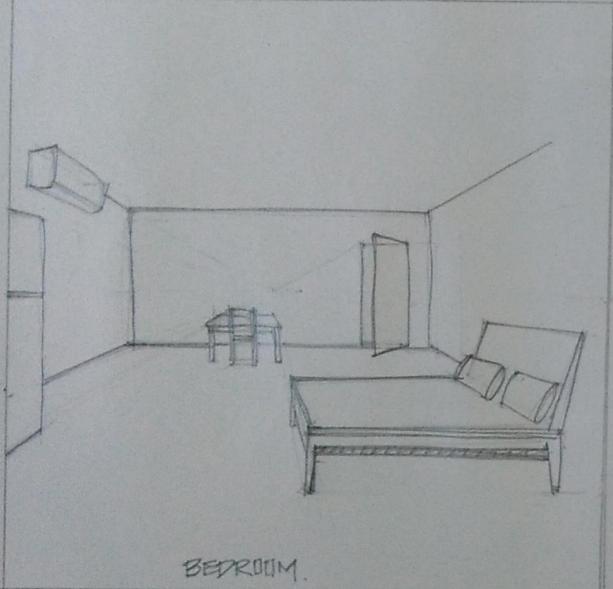
LIVING ROOM.



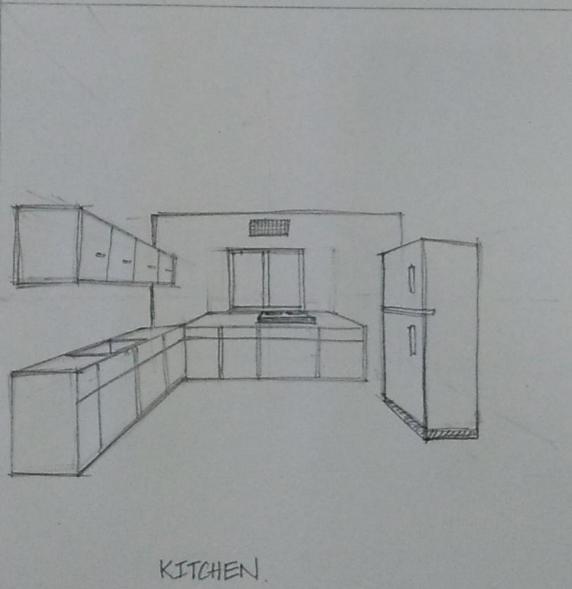
DINNING ROOM.



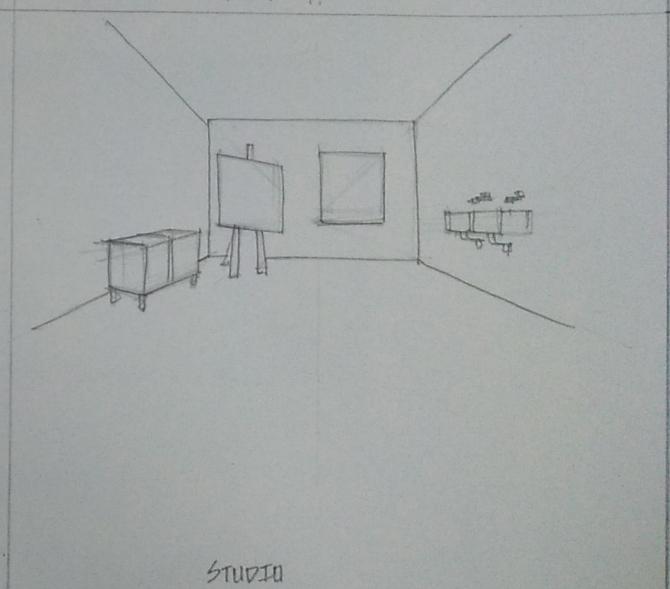
BATHROOM.



BEDROOM.



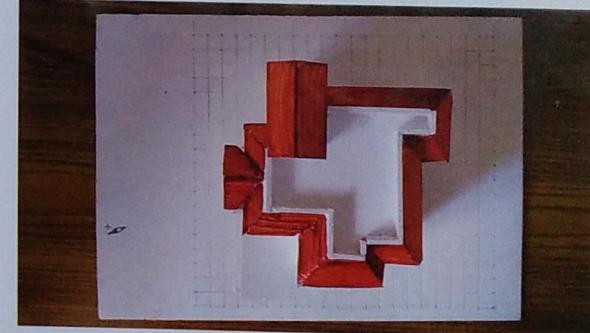
KITCHEN.



STUDIO

INTERIOR

NAME - BAJIBHAB KUMAR PRADHAN
REG. NO - 213701272
SEM - 2nd
DATE :-
SEC - B



MODEL

BAIBHAB KUMAR PRADHAN
REG NO- 213701272
SEM - 2nd SEC-B
DATE - 30/05/2022 .