

THE GROPING RESIDENCE

ABSTRACT :

The interior design is all about making indoor spaces functional, safe, and beautiful and what do people expect to live in the spaces and mostly in their own home people like to live in the interior which makes us comfortable and cozy to stay and also the looks matters when it comes to the interiors of their own house.

Normally as a humans we use our five sense to feel and be on a good interior environment what if a person in a house couldn't able to see things as we could will it be adaptable for that users too ? How will they manage to do work or the family alive for the others...



CONCEPT :

The concept of the house is to create a hybrid space of 2 BHK house for different peoples requirement and group it as a single house usable without too many odd factors.



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USER PERSONA AND UNDERSTANDING USERS

ABOUT THE FAMILY



THE PSYCHIATRIST (HUSBAND)

- Age 40.
- Likes to have a peaceful and cosy environment with relaxing colours around the house.



THE VISUALLY IMPAIRED HOUSE WIFE (WIFE)

- Age 38.
- Likes to have a sensory experienced room and a easy way guiding environment a comfortable space for her as well as family.



THE CHILDREN'S (ELDER SISTER AND YOUNGER BROTHER)

- Sister aged 10 and brother aged 8.
- The siblings like to share their room with a partition with a normal children's likings.



THE COMMON NECESSARY FOR THEIR PETS

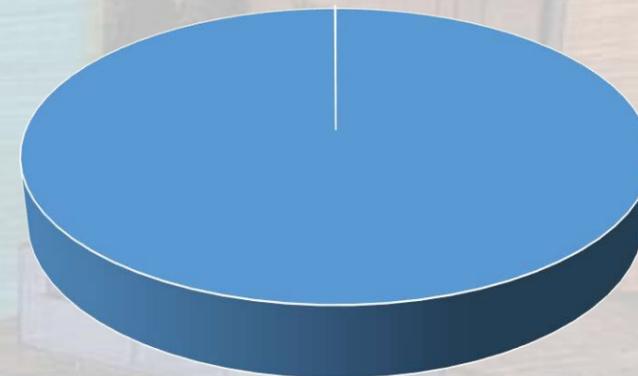
- There are 2 dogs one as guide dog and another as guard dog they share spaces inside house
- A fish tank area is required and a space for indoor birds.



PREVALENCE

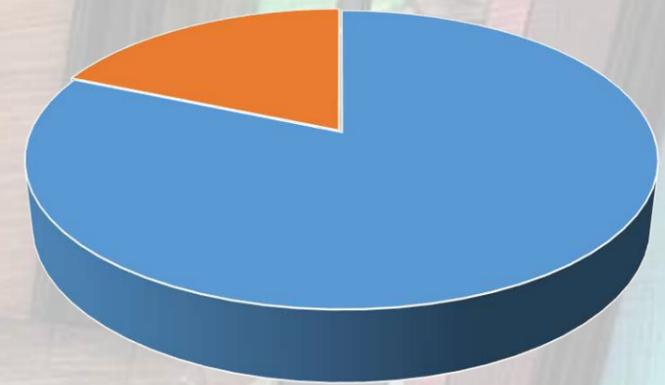
The number of blind persons in India would increase to 24.1 million (95% CI: 19.7-28.4) in 2010, and to **31.6 million (95% CI: 26.4-36.9) in 2020**. Globally, among 7.79 billion people living in 2020, an estimated 49.1 million (95% UI: 39.0-61.3 million; 54% female) were blind

The visually imapired around word 2020



■ Total people ■ Visually impaired people

The prevalence of visually imapired India 2020



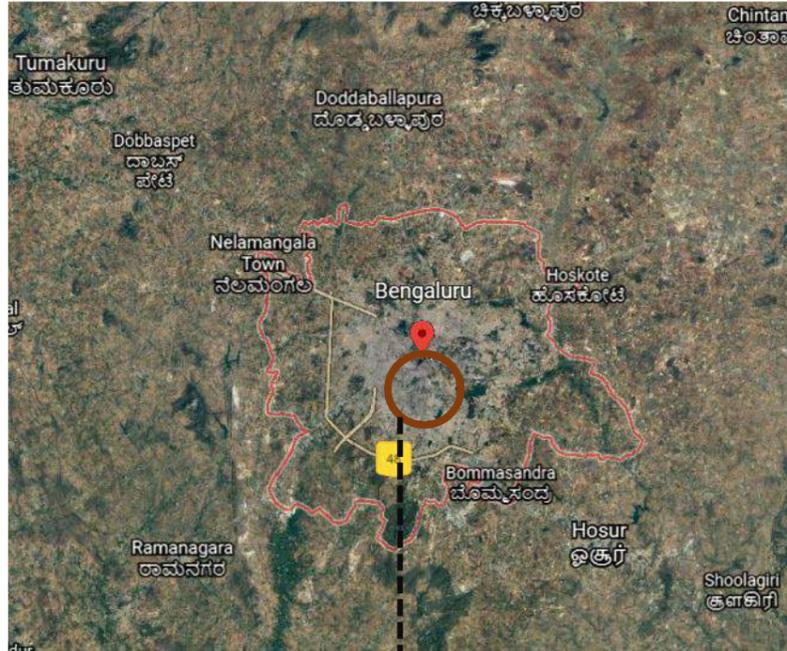
■ Total population ■ Visually impaired



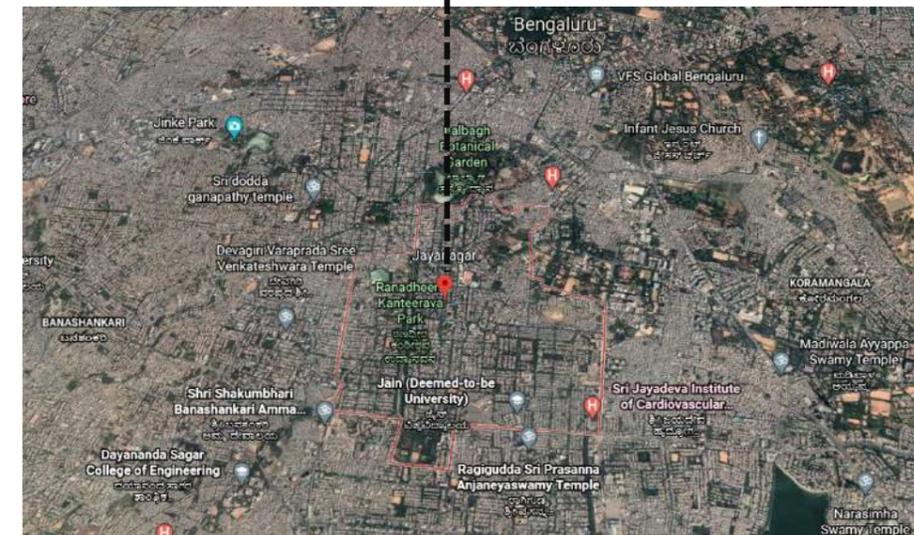
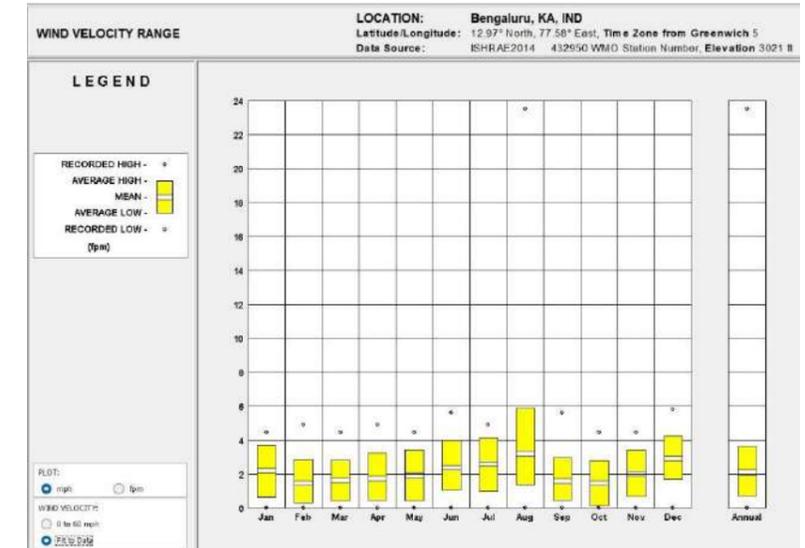
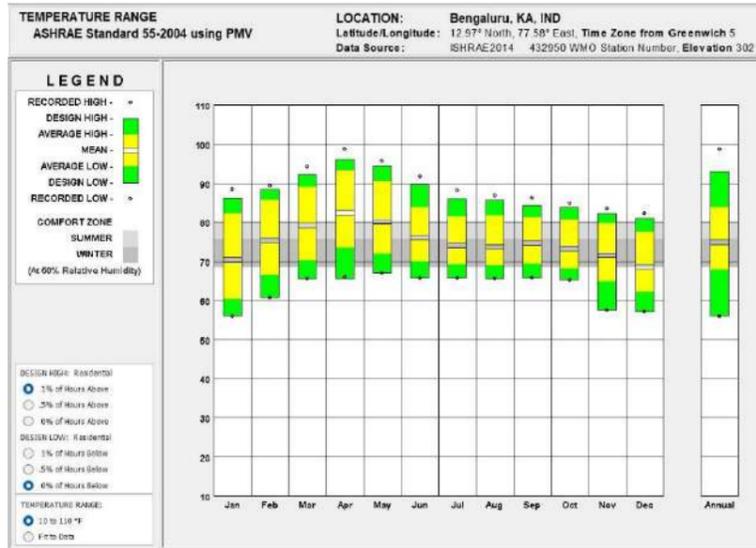
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CONTEXT

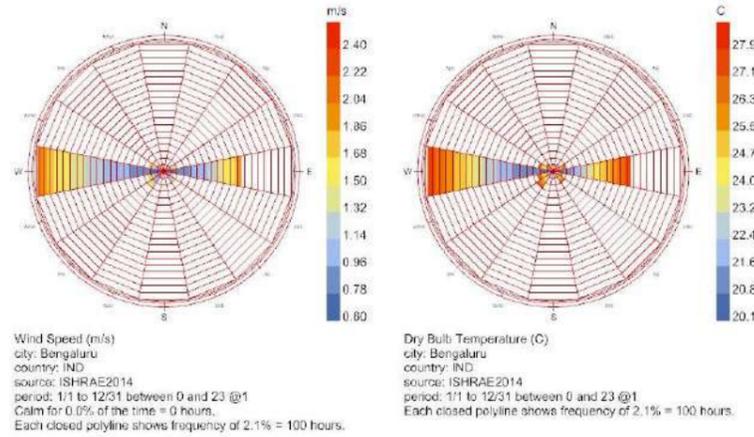
LOCATION: Bangalore, Karnataka, India



The warmest month (with the highest average high temperature) is April (35.8°C). The month with the lowest average high temperature is December (26.2°C)
The average wind speed in the city is 4kmph-6kmph, with the maximum ranging from 25 to 40kmph.
Average rainfall is 970 mm.



Jayanagar of Bangalore was a good residential zone with all sources available around the area



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STYLE

Contemporary +
 Transitional

As the contemporary style gives a good space and the transitional style brings more comfort and good feel for the client and it's requirements

CONTEMPORARY STYLE

Simplicity, subtle sophistication, deliberate use of texture, and clean lines. Interiors tend to showcase **space** rather than things. Things that are modern and current with the styles of the moment are contemporary style.



TRANSITIONAL STYLE

Transitional interior design is a mixture of the traditional and modern styles. Bringing together pieces from various design styles creates a singular design that updates the classics with a cohesive, modern feel. ... Rather than prioritize form over function, transitional interior design emphasizes **comfort and softness**.



+

IDEATION



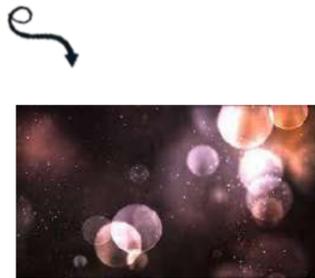
Patterned wall



Good fragrant plants



Neon light decors as the blind can't see completely but it will be visible for them as glitters so it stimulates a sensory experience



3d wall decors



My implementation idea inference

The flooring finishes can be as transitional so that the blind people can feel the spaces

New technologies for the visually impaired people to cook in kitchen



PRECEDENCE: Making a House Accessible for a Visually Impaired Person

Six smart kitchen products to aid the visually impaired - Three Arts

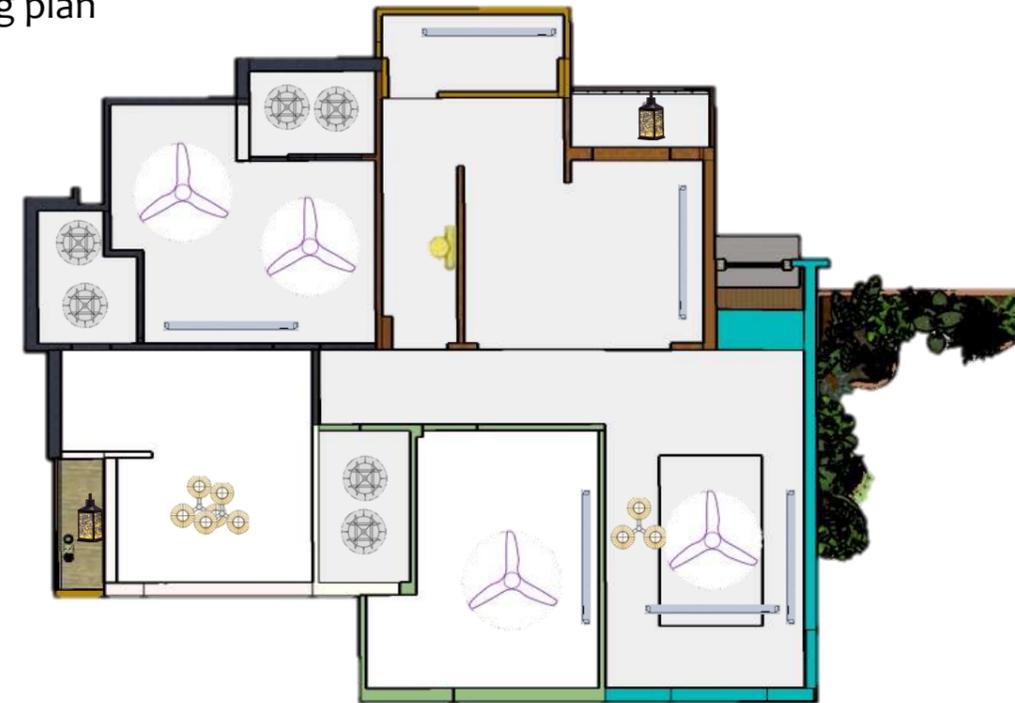


ARCHITECTURAL DRAWINGS

Floor plan



Ceiling plan

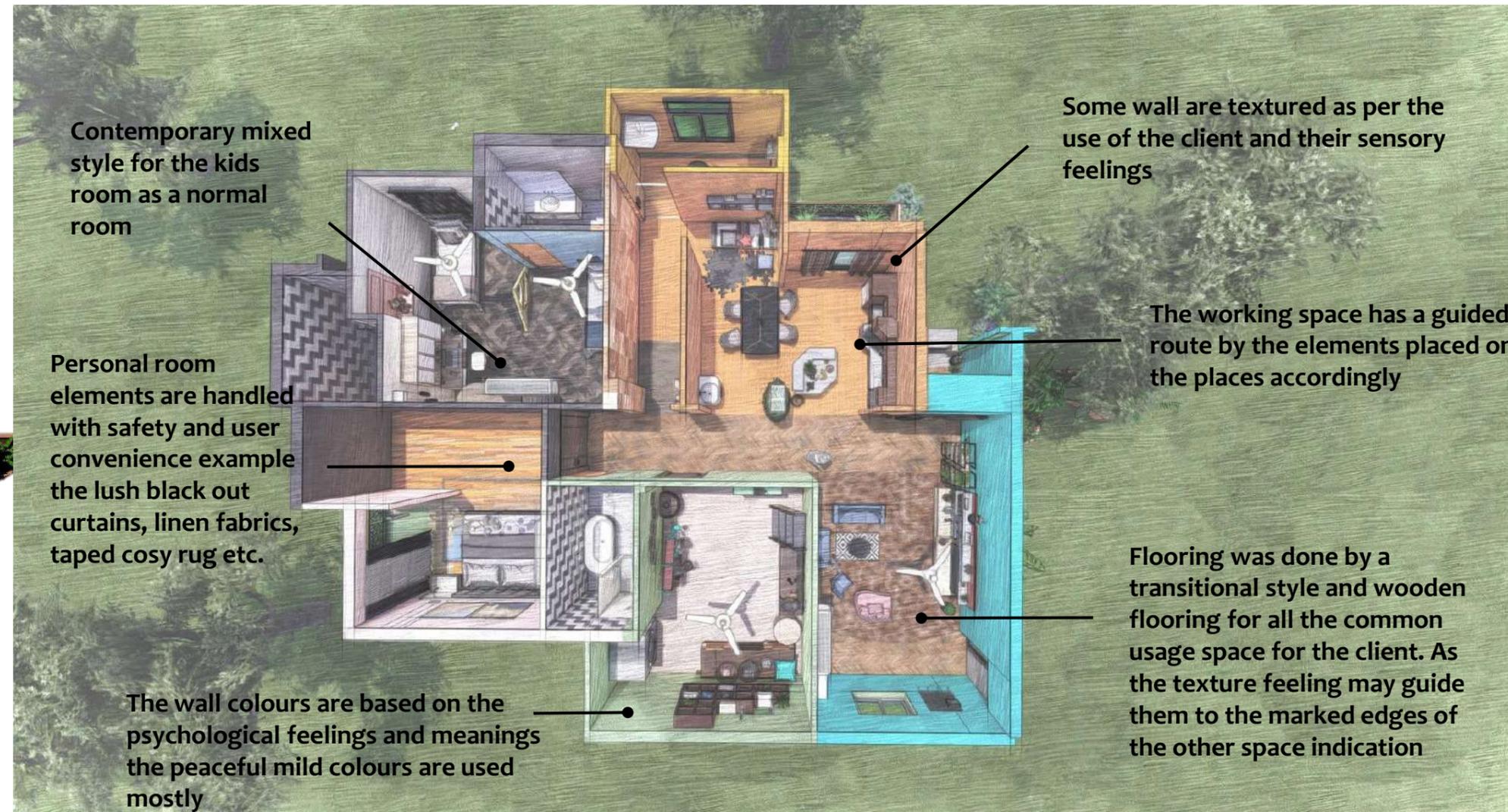


-  Fan
-  Tube lights
-  Pendant lights
-  Round Flush Mount Led Ceiling Lights
-  Neon lights
-  Outdoor lanterns

Tentative furniture plan



1:100 0 2 4 6 8 10 M



Contemporary mixed style for the kids room as a normal room

Some wall are textured as per the use of the client and their sensory feelings

Personal room elements are handled with safety and user convenience example the lush black out curtains, linen fabrics, taped cosy rug etc.

The working space has a guided route by the elements placed on the places accordingly

The wall colours are based on the psychological feelings and meanings the peaceful mild colours are used mostly

Flooring was done by a transitional style and wooden flooring for all the common usage space for the client. As the texture feeling may guide them to the marked edges of the other space indication

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MOOD BOARDS

Kitchen

Placing transitional island and helps to identify materials with touch and guide way

Plants serves as both taste and smelling senses

Colour palette

Kid/ Bed room

Transitional cupboards

Colour palette

Interesting lighting fixtures in contemporary style

Study tables and chairs

The sisters bed very cosy and comfortable

Dog place

Furniture and sleeping space together helps to store the dog accessories at the same time 2 way usage

Wall with fish tank

The fish tank has good lighting and psychologically relaxing space too see it doesn't take too much space. The tank is integrated in the wall

Living room

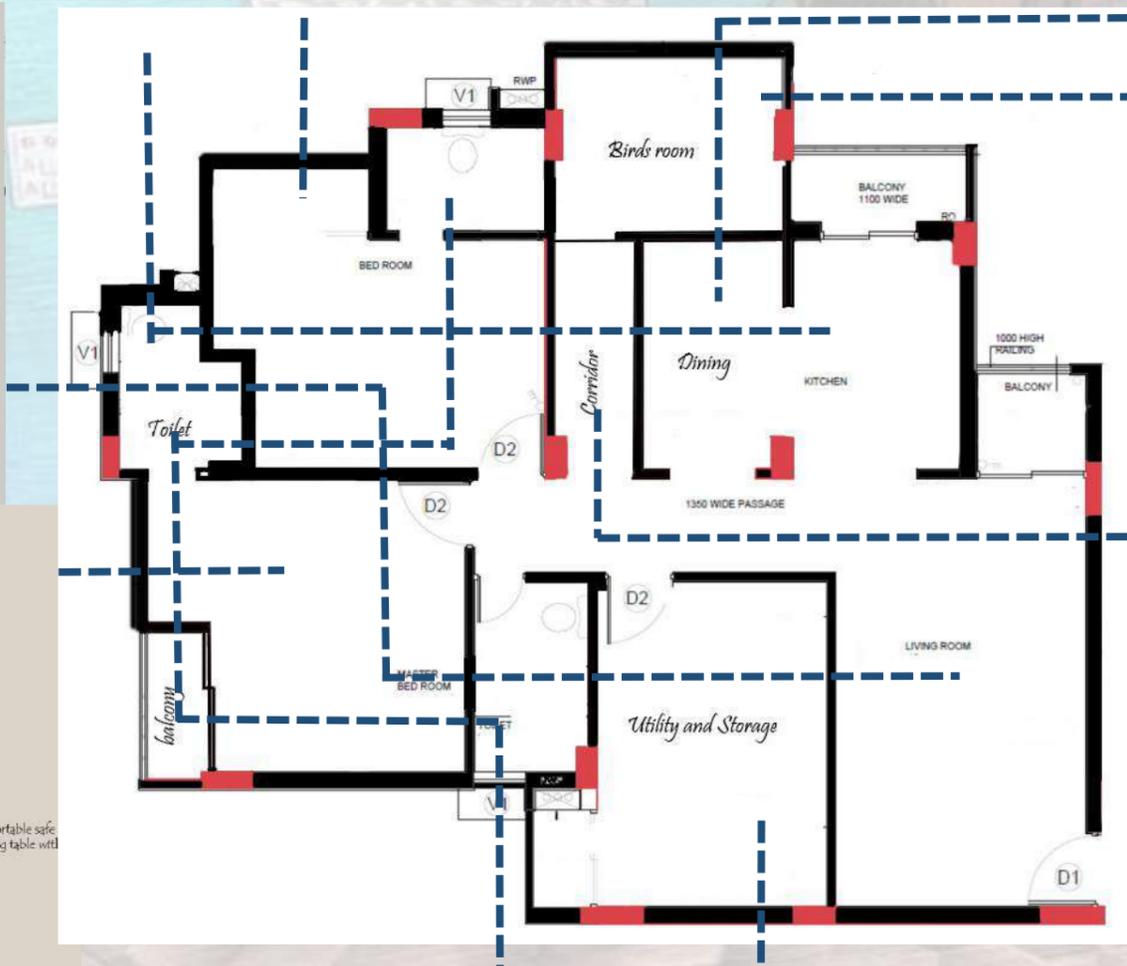
Easy accessible transitional furniture's

The wall decors to have a touch sensory and safe edges for blind women

Orange less amine which makes a smelling sensory experience

Carpet makes the feel very cosy and the marking of the areas to identify by feeling

Colour palette



Birds room

Wide free windows in the room for birds to have a time out and come home

Room with activity for the birds and the family to spend time and relax hearing them.

The room itself be an relaxing interesting space to the people inside house to hear the natural sounds and listening to their humming which is a stress buster room

Bed room

Transitional style lightings that does not disturb the sleep by over powering

Wall decors as 3d to have a way finding

Sweet bay plant décor for smell

Lush blackout curtains make the blind people to have a pleasant sleep

Cosy bed to feel and safer edges in contemporary style

Comfortable safe dressing table with safety

Taped carpets for blind people not to slip and identify borders for each spaces

Colour palette

Colour palette are according to the suggestions of psychiatrist husband

Hallway

Fiber optic curtain with neon lights can be a great suggestions for a sensory experience that visually impaired can see the neon lighting could be a sensory experience

Fiber optic curtains with neon lights which covers the gap

Neon lighting decors can also be a great idea for the sensory experience. This could be a decorative elements for the hall way

Colour palette

Hallway wall decorations with sensory experience

Toilet and Bathroom

Transitional style sink with the mirror

Separate shower room with neon lights

Contemporary style toilets with mild lightings

Plywood flooring finishes which is comfortable for the family

Colour palette

Utility and Storage

Storage gear free utilities

Wall decors with slabs

Small open wardrobe inside utility room

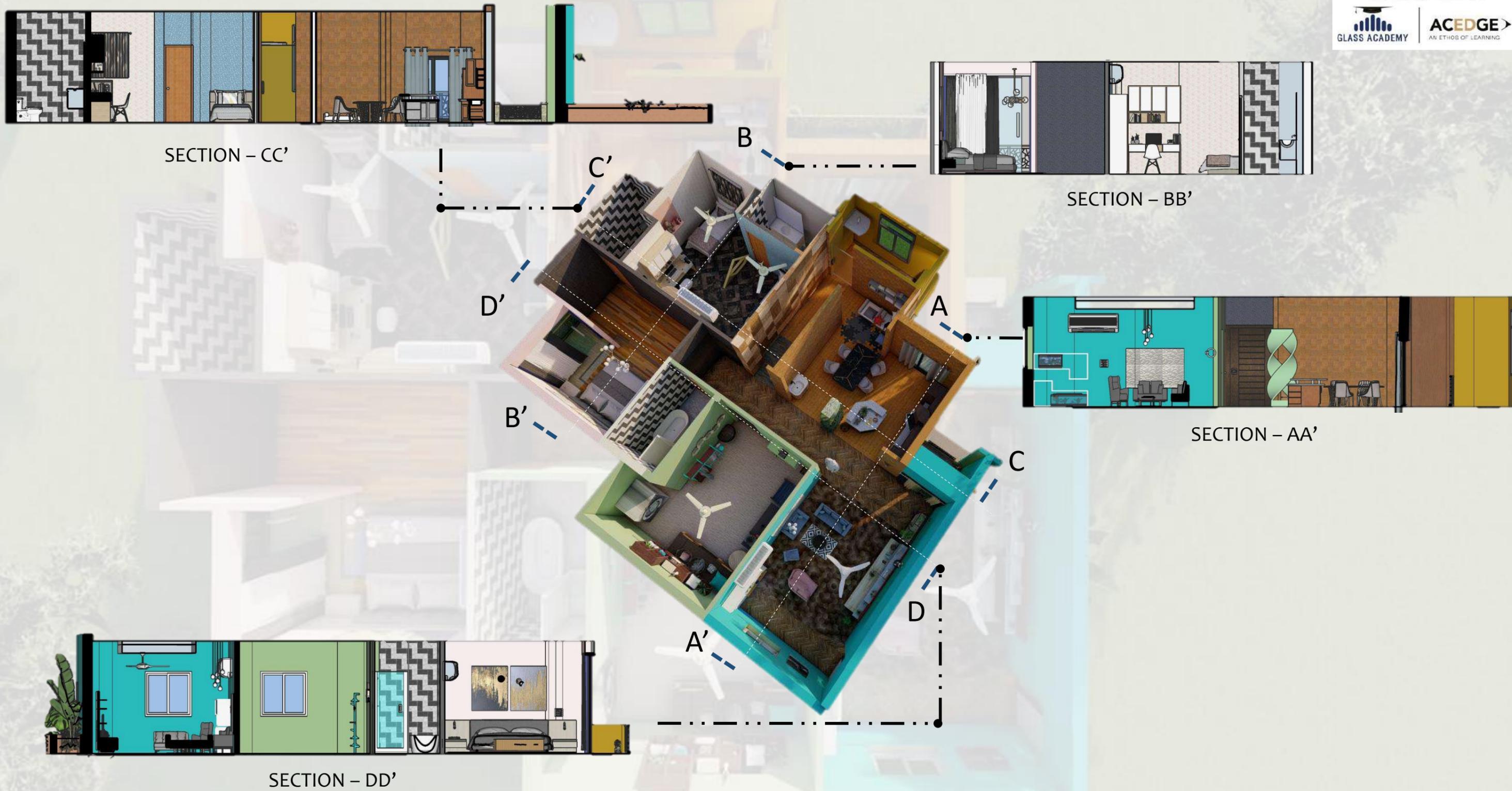
Plywood flooring texture

Washing machine with front load and technology the visually impaired can handle

Strik in transitional style

Colour palette

ARCHITECTURAL DRAWINGS



Axonometric views and section views

MATERIALS AND LIGHTING

The different types of plywood flooring materials used in residence to make difference and guide the visually impaired lady without any other common way as the residence has a normal people too in them



Cork flooring



Brazilian cherry hardwood



Brazilian cherry with light colour



Square Parquet wooden flooring



Brazilian Walnut



strip flooring with alternate joints



Glass were also used in some of the spaces for doors and windows

- Pendant decorative lights suits well and hanging pendants goes well with the ceiling and gives a focused light distribution in the living area and chandelier were used
- Ceiling tube lights helps in good works and have a good lighting around the room and spaces distribution
- The outdoor lantern was used in pet's dining area entry which invites people inside
- Round Flush Mount Led Ceiling Lights used for bathroom as contemporary style
- Neon lights were used for the sensory experience

The residence mostly contains sustainable materials with the most tasting and good smelling plants



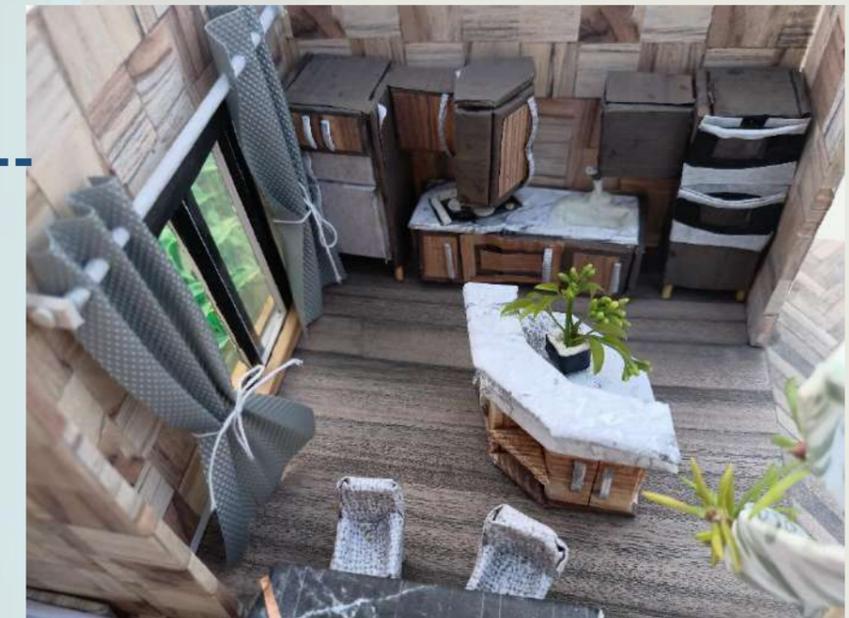
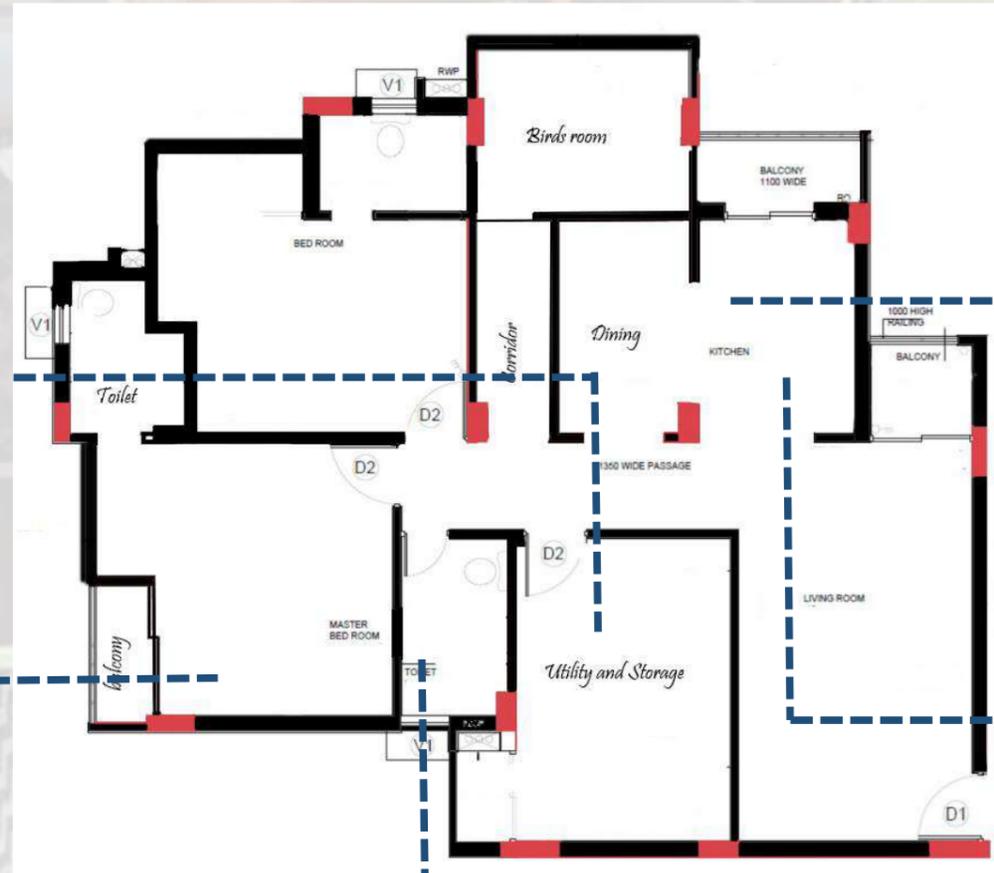
Plants like sweet bay, oregano are used for the clients experiences



Colour palettes are given up to the vision normal peoples and wall papers used in kids room



Initial hand made renders to visualize the space of the residence

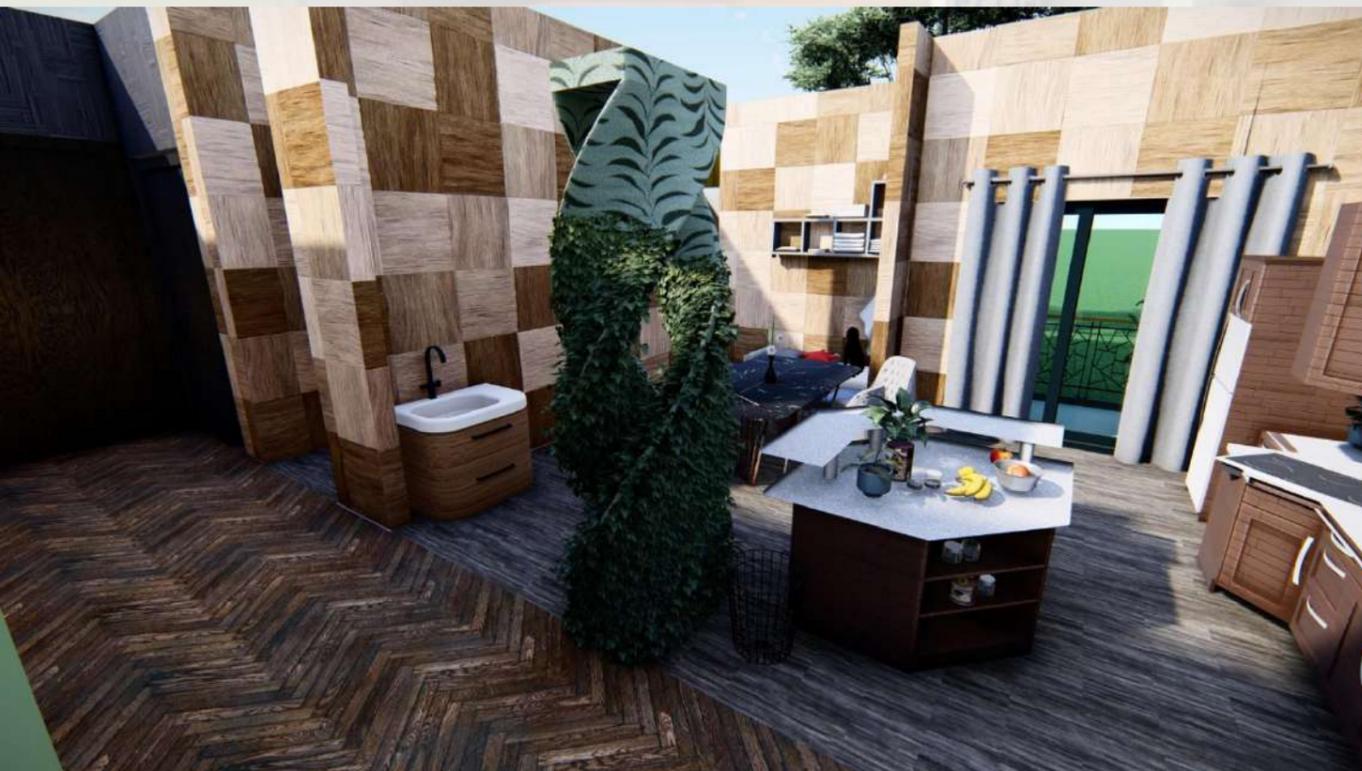


RENDERED VIEWS OF THE SPACES

Living room



The small way finding hangings and wall sensory decors are used for the visually impaired lady to do her work



Kitchen and dining

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Dog's space

The dog's space has a cushion and patterned rug which is taped so that it will be useful for the women as she was the homemaker and spends most of her time in home. The selves were also provided for the easy access of the pet's utilities



Fish tank

The house has 2 sensory experience spaces for the visually impaired women (wife). One was the fish tank which has **neon lighting** that glows in dark which can be a slight vision for the some visually impaired person's case. So this may help them visualize the lighting. So we can bring a sensory experience even if the client can't see clearly through interior designing.



Also has a bird cage and a seating areas or activity area for them

Indoor Birds room

Warmth, energetic and attention giving colour as per psychology. Which can also bring back our focus and concentrations

Window in birds room is for the special time for birds where they used to navigate places and return back to the home after their time and it also provides natural lighting and feel to the birds and as well as the persons using the space. It is provided just to get rid of the daily stress by hearing them humming.



Kids bedroom



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Bedroom



Utility room



Toilets

Corridor



The corridor which is the another sensory experiencing place which has the neon light decors and also the fibre optic curtain with neon lights for the separation of dos's home

The column was placed according to the given plan and used as a decorative element between living room and kitchen. Which plays a dual role as aesthetic and a guide for the lady working there the plant cover over the column can have a feeling of touch and smell so that the spaces can be identified by the user very well

Balcony



The column

