

PORTFOLIO

MANVI GUPTA

2014 - 2020

CONTENTS

01	AN OASIS Cancer Care Centre	Jaipur, Rajasthan India
02	REMINISCENCE The Factory Resort	Kasauli, Himachal Pradesh India
03	A SOCIAL CONNECT Apartments	Jaipur, Rajasthan India
04	HEALING SPACES Mother & Child Welfare Centre	Kolkata, West Bengal India
05	URBAN INFILL The House	Agra, Uttar Pradesh India
06	MISCELLANEOUS Photography	

Let's design for the society, not for ourselves.



Hello,

I am Manvi, an architect from Agra, Uttar Pradesh, India and this portfolio is the selection of my work over the past six years.

The field of architecture has the potential to influence human relations in countless ways through the built spaces. Architecture has the power to positively impact people's lives. The projects presented in the portfolio demonstrate how virtues and capabilities can make a meaningful social impact on the society. Through each project I have asked myself "What more architecture can do for the betterment of the society and its inhabitants?"

01

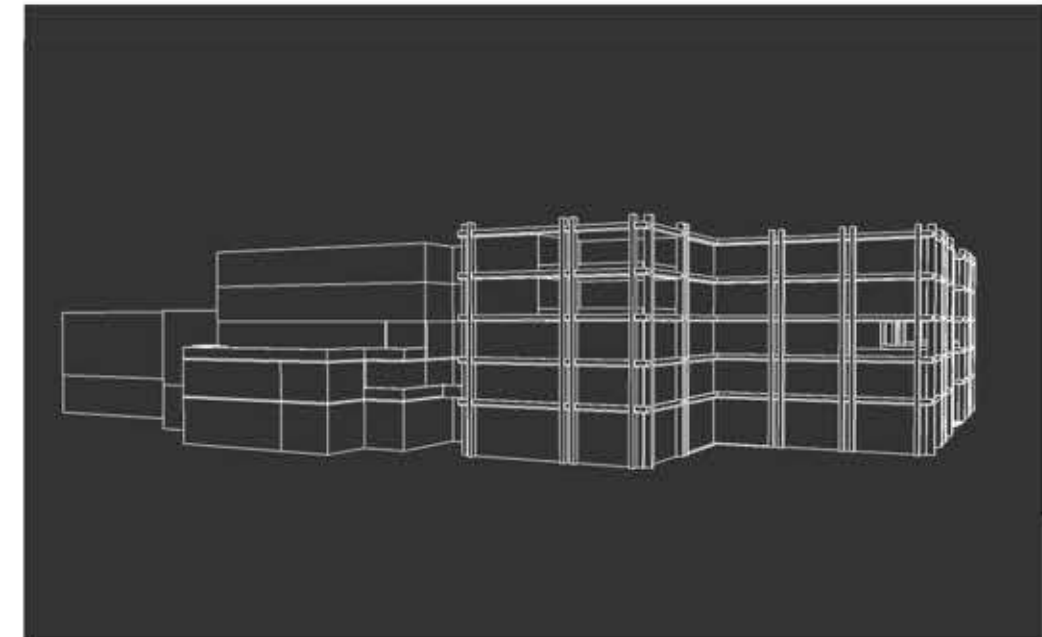
AN OASIS - CANCER CARE CENTRE

"A healing centre for cancer patients"

What more architecture can do?



"Architecture can give us hope."



Healthcare / Hospital
Thesis / Final Year / 2019
Jaipur City, India

Among various diseases, cancer has become a big threat to human beings globally. The disease not only harms a person physically but emotionally as well. The anxiety and uncertainty of a cancer diagnosis can create extreme disruption in the life of almost any individual.

The aim is to design an environment targeted at patient's psychology that helps them feel comfortable and at home while combating the debilitating disease cancer.

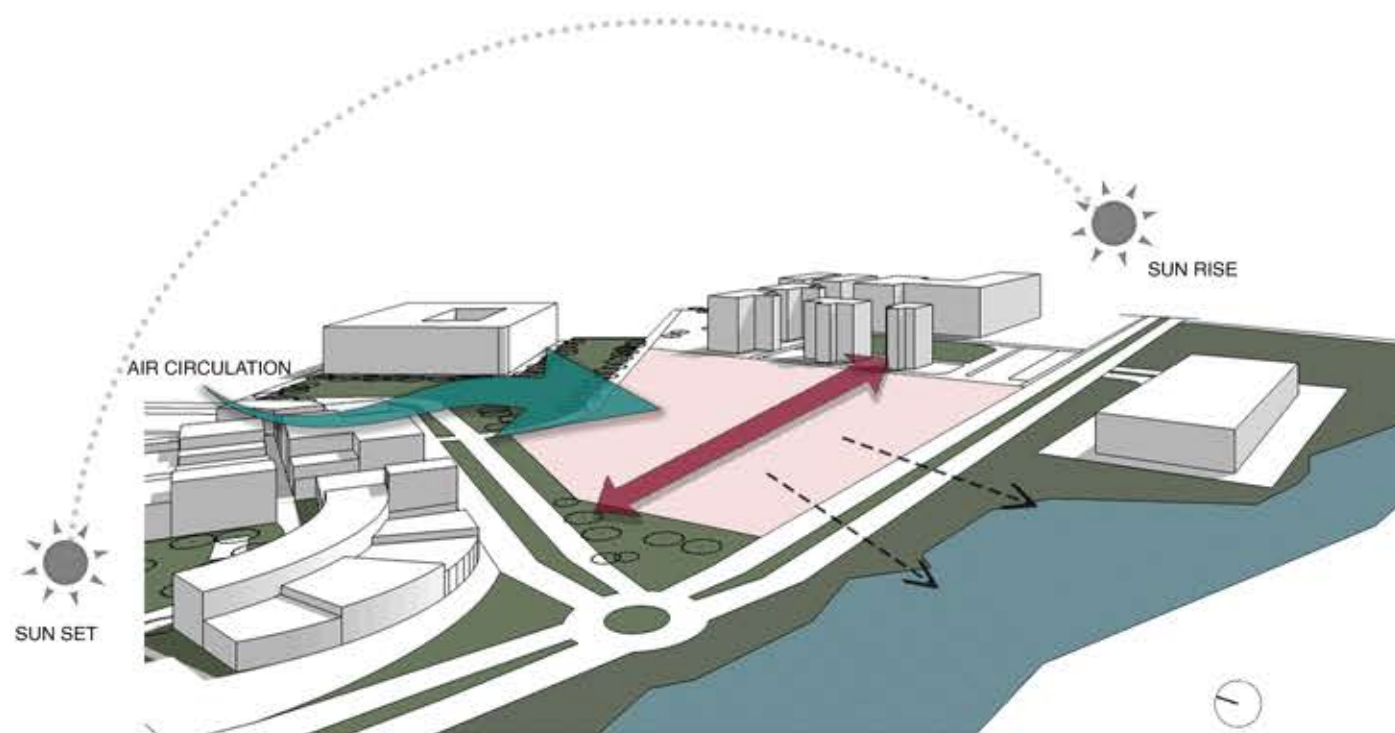
SITE CONTEXT



Site surroundings



SITE ANALYSIS



ISSUE STATEMENT



Overall experience of the users such as patients, visitors, and hospital staff should be significant while designing the spaces, it can be achieved by providing day lit spaces.

EXPERIENCE OF USERS



In most hospitals, it is noticeable that they have dead hallways and ramps with no views and ventilation which makes people sicker. Creating ventilated hallways and ramps so that patients and staff use it more and will eventually help in reducing the stress level.

CONNECTIVITY TO NATURE



Scientists study shows that a simple hospital room window with a serene view of nature could help patients recover better, reduce their length of stay in the hospital, cut down health care costs and improve work culture.

ROOMS WITH VIEWS



Receiving a cancer diagnosis is associated with a peak of negative mood and distress for many. Holland (2002) noted that no disease has sustained as strong of a negative stigma as cancer. Creating social gathering spaces which will help patients as well as their families to interact with each other and give hope.

(source: Oncology Nursing Society)

STRESS RELIEVING SPACES



Hospitals contribute 4.4% of the world's greenhouse gas emission. Through proper orientation and planning of the building we can reduce the energy consumption to some extent. By introducing gardens and trees will help in reducing carbon emissions.

(source: AAMC)

REDUCING ENVIRONMENTAL FOOTPRINT

CONCEPT EVOLUTION

ISSUE



ANALYSIS

A PLACE THAT PROMOTES HEALTH AS WELL AS CONTRIBUTES IN REDUCING CARBON EMISSION

BIOPHILIC DESIGN ELEMENTS

Biophilic design can reduce stress, improve cognitive function, improve our well-being and expedite healing. Applying this concept while designing a hospital helps in creating a healthier and better environment for patients, visitors and for hospital staff as well.



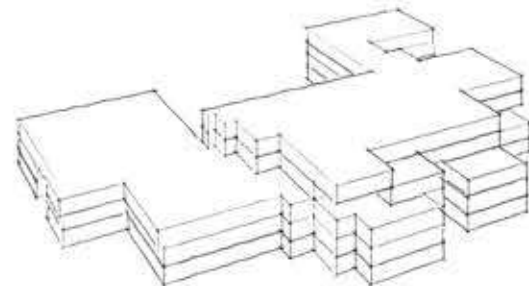
PASSIVE SUSTAINABLE TECHNIQUES

Integrating the techniques by which energy consumption can be reduced in the spaces such as waiting areas, corridors, OPD and IPD rooms or spaces other than critical zones and OTs.

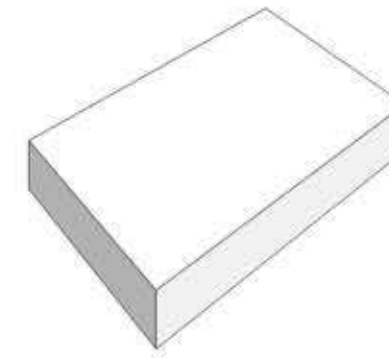


FORM FOLLOWS FUNCTION

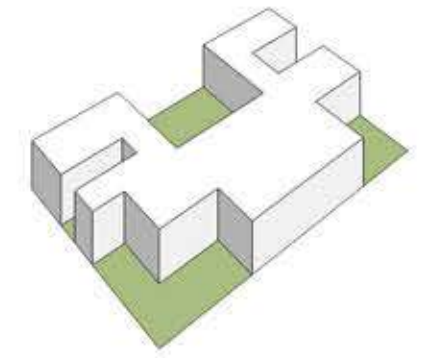
While designing healthcare buildings, form always follows function as the main priority is given to circulation and movement of users, services, segregating public, semi-public and private spaces.



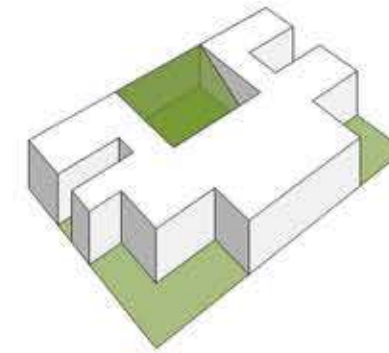
DESIGN STRATEGY



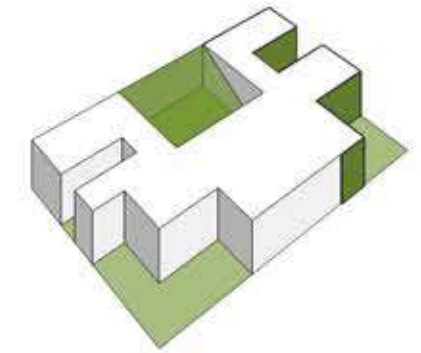
East-West building orientation.



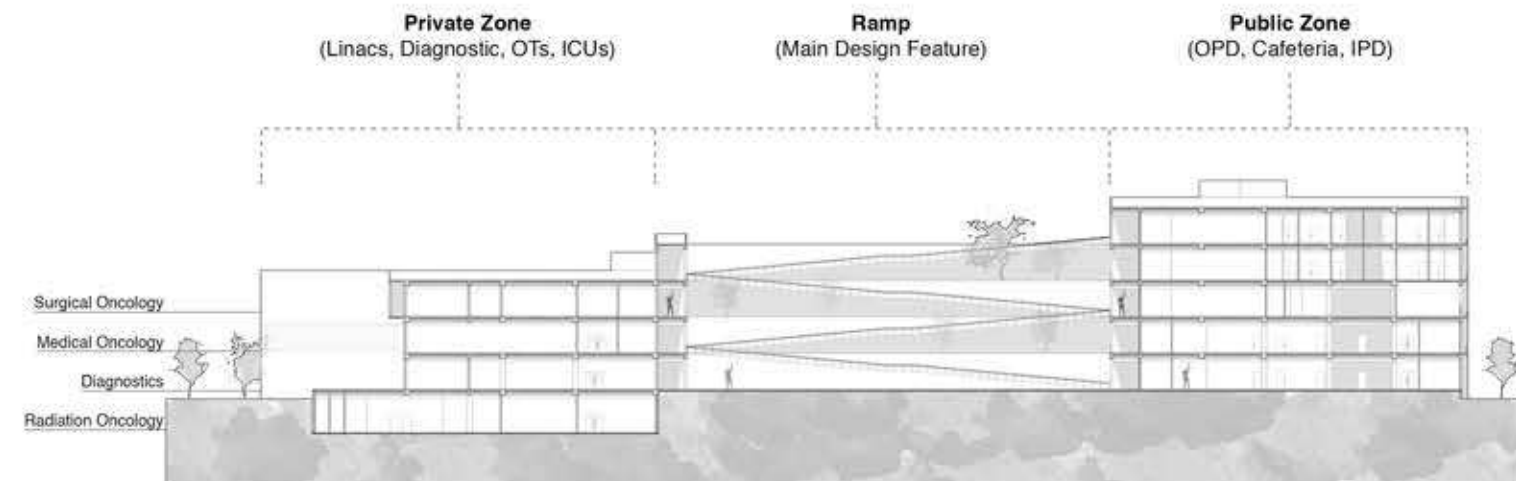
Breaking the building in various blocks and integrating green courtyards which will act as buffer spaces in-between.



Placing the ramp in the central courtyard with flowering trees and various native herbs and semi open sitting spaces for patients.



Taking greenery up in the walls of OPD and IPD departments.



SECTION SHOWING SEGREGATION OF FUNCTIONS

SITE PLAN



VEHICULAR MOVEMENT



PEDESTRIAN MOVEMENT



GREEN SPACES



Ground Floor



First Floor



Second Floor

PLANNING FEATURES

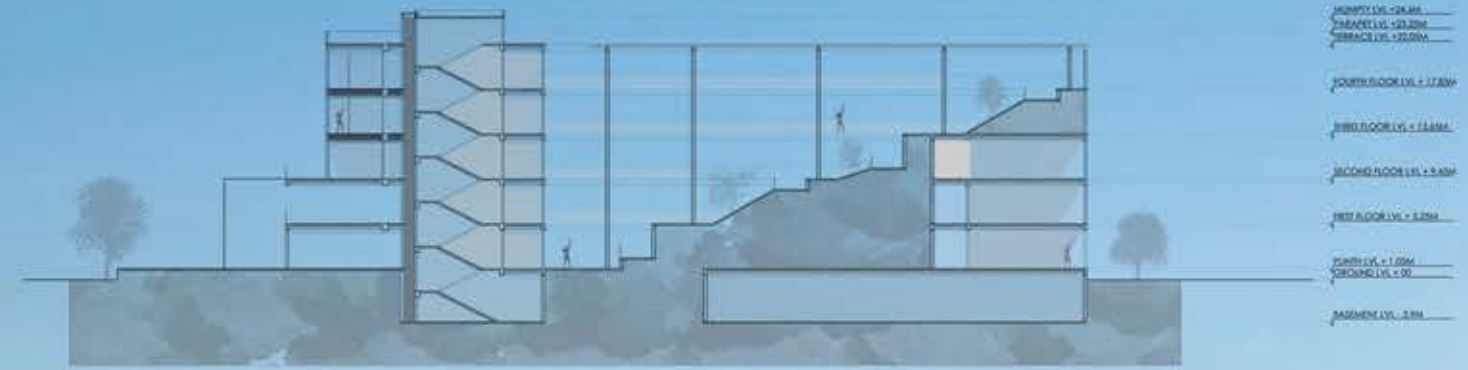
- Building is planned in the linear form which is the most suitable planning in hot and dry climate.
- Separate entries in the building for IPD, OPD, Emergency and Radiation department.
- Multiple buffer spaces for proper light and ventilation inside the building.
- Separate waiting areas for different departments.
- Hot plates (ICU, diagnostics department and OT complex) are placed on the south west side, as they are already mechanically ventilated areas and does not require natural light, while OPD and IPD departments are placed on the east side
- Radiation oncology department is placed in the basement as per the hospital planning standards.



Third & Fourth Floor



Basement Floor



SECTION CUTTING THROUGH RAMP



'Architecture is the relationship between nature, science and built environment.'

02

REMINISCENCE - THE FACTORY RESORT*"Livable area in the middle of nature"*

What more architecture can do?

*"Architecture can save the history as well as the ecosystem."*

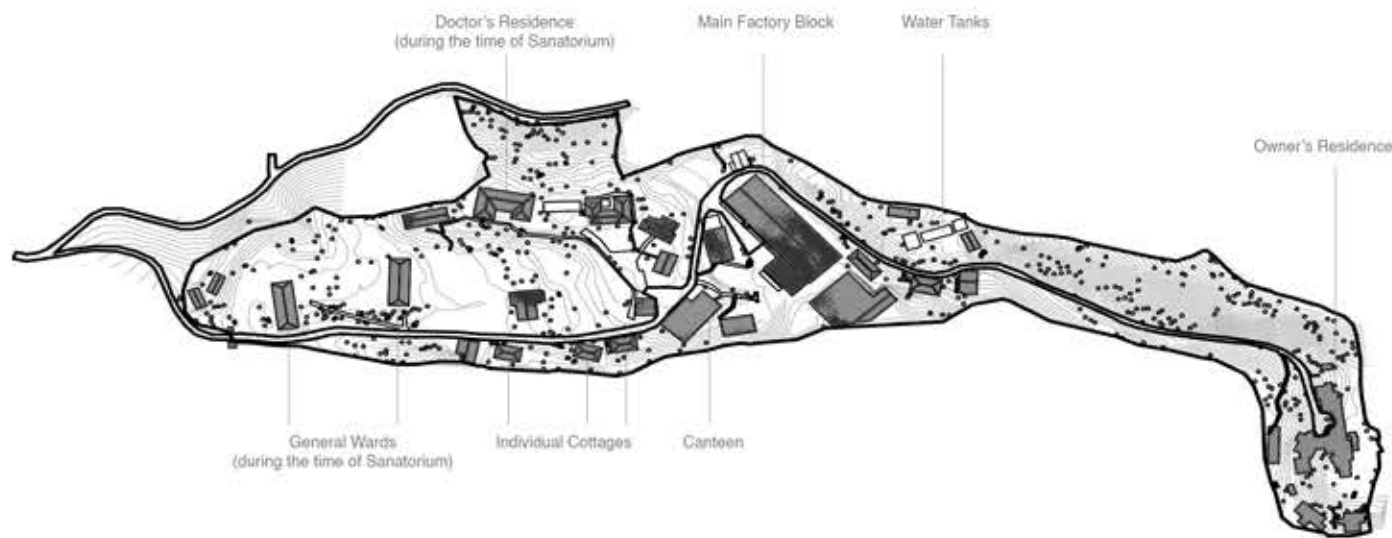
Conservation / Restoration / Resort
Office Project / Documentation & Design Team / 2019
Kasauli, Himachal Pradesh, India

The project will turn **The Watch Factory** and **100 Years Old British Sanatorium** into **a Resort** while retaining its historic features and buildings. As per the proposal, it transforms the site into a weekend place consists of a restaurant, spa, bar, yoga retreat, cottages and machans. It is all merely to brace the Sanatorium as a retreat *centre*.

SITE CONTEXT



Kasauli is a hill station in the state of Himachal Pradesh India, so the site is located on a secluded hill which has its own intriguing story to pass on through this project. The site has several potentials such as the topography itself gives an opportunity to give views of Dhauladhar ranges and other snowy mountain peaks from each and every corner, in addition to this the whole site is covered with various deciduous and evergreen trees when seen from the top which could become a great advantage while placing the windows on the blocks.



SITE PLAN WITH EXISTING BLOCKS

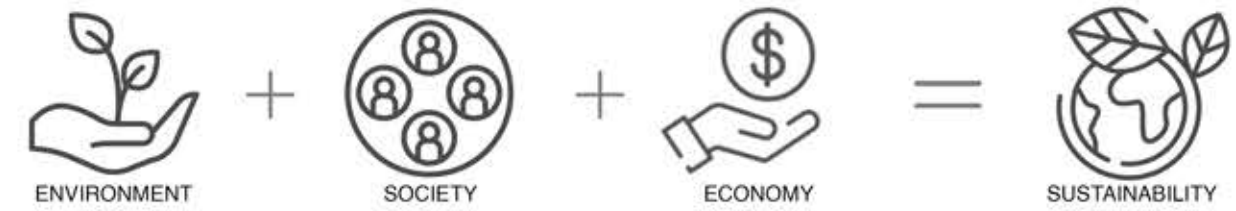
A tree is so much more than just a tree. It provide habitat to support biodiversity, remove carbon dioxide and particulate matter from our cities during summers and inspire enjoyment by all.



For most of history, man has had to fight nature to survive; in this century he is beginning to realize that, in order to survive, he must protect it.



CONCEPT



CONSERVE

Conservation of built heritage and biodiversity. As per the proposal, buildings which are structurally stable will be conserved. Machineries and equipment will be used as artifacts and art pieces in the resort. Not even a single tree will be chopped of during the whole construction.

RESTORE

Restoration of old structures will help in saving the historic significance, reducing cost and in increasing the value of the project.

UPCYCLE

Up cycling of materials such as stone, timber and corrugated iron sheets to use it in the new construction. This will make the whole process more sustainable.



Existing Heritage Cottage



Existing Pathway



ACTIVITIES





Cherry Blossom
Existing tree on site



Purchase office block of the factory is now converted into
Reception Block and Good Karma Store.

Existing tree on site



Spa and Hydrotherapy

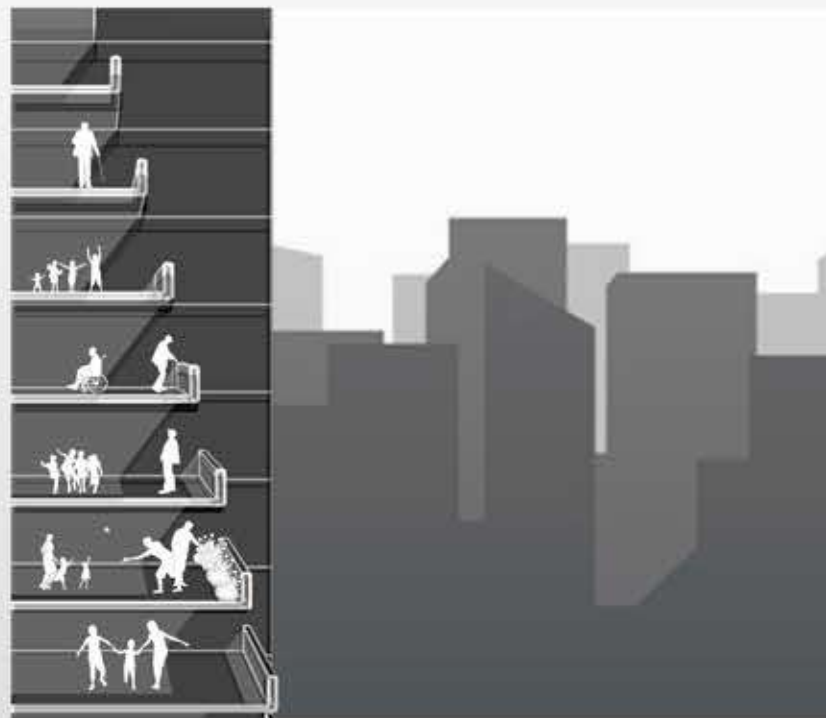
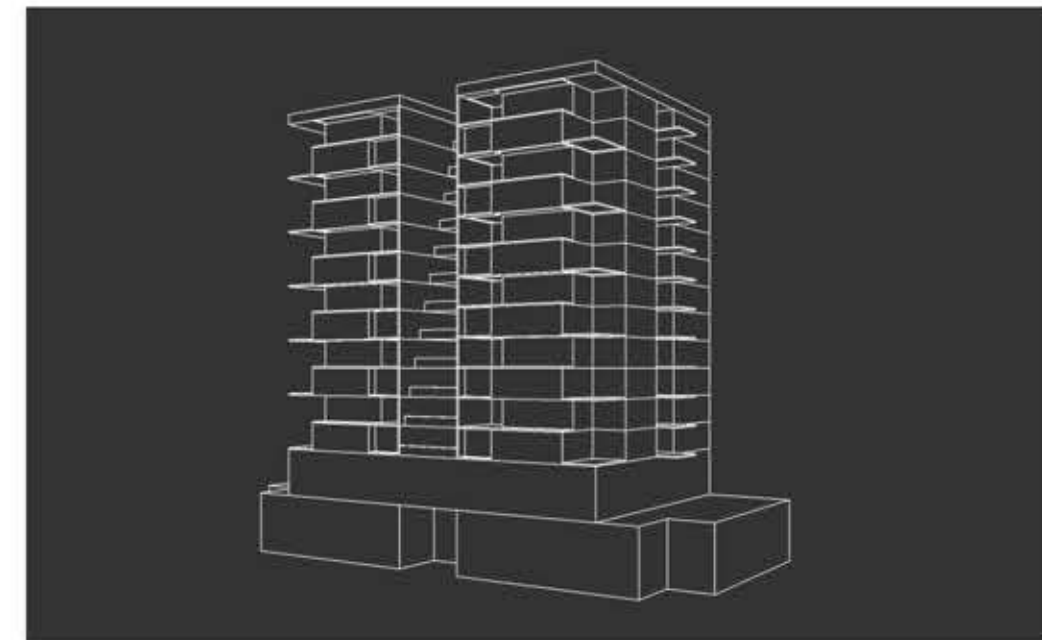


Doctor's residence during the time of Sanatorium is now converted into
a Heritage Cottage.

03

A SOCIAL CONNECT - APARTMENTS*"A natural habitat in the city"*

What more architecture can do?

*"Architecture can bring us together."*

Mixed Use / Commercial / Residential
Third Year Studio / 2019
Jaipur City, India

The aim of this project is to build a mixed use building in the center of Jaipur. The mixed use of residential, retail spaces and rental offices is provided to tackle the problem of land shortage in the cities. In this studio work – circulation, public spaces, functions and high rise are the issues mainly addressed.

Located in the city's busiest center, the site has several potentials yet problems. Though the site is very easily accessible and approachable to the people. However, the lack of public spaces in the city can be an opportunity to attract people to the site.

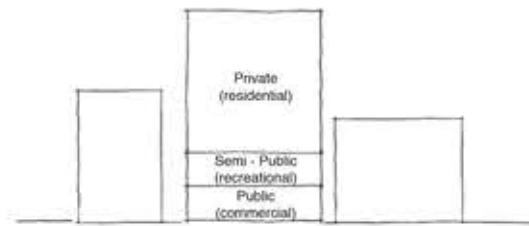
ISSUE STATEMENT

To create a space with a healthy environment for work, living, and socializing in the suburbs of the city. To give the luxury of playing area and social gathering areas for kids and elderly people in the high rise building who have to spend most of their time in the house.



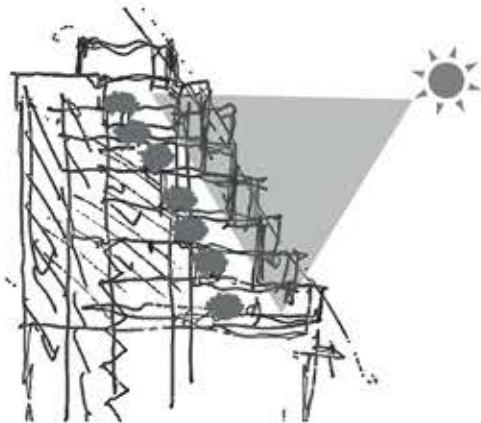
DESIGN STRATEGIES

CIRCULATION SEPERATION



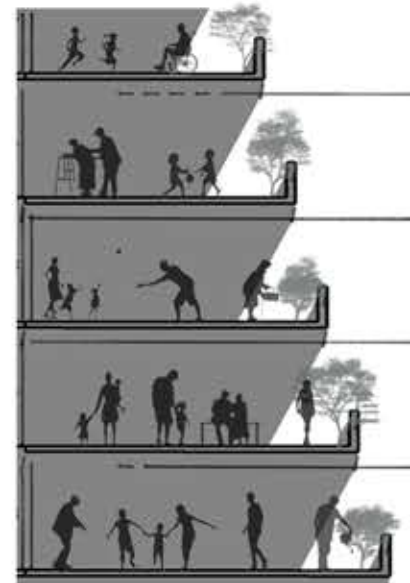
Between public and semi-public areas with private areas

ENERGY EFFICIENCY



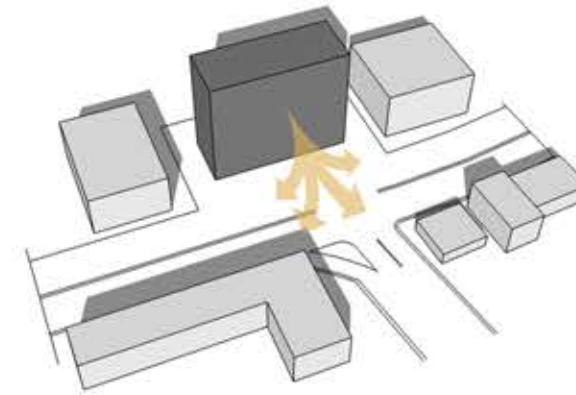
Plants & trees on the west facade of the building to reduce solar heat gain which will eventually helps in reducing the energy consumption of the building

MENTAL COMFORT AND LUXURY



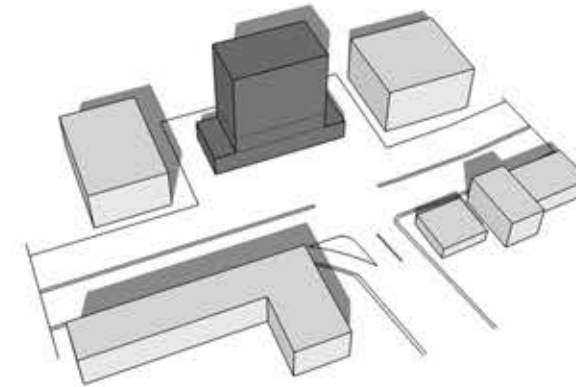
Even though this building is located in a crowded and noisy area, the occupants have to live comfortably inside this building. Green areas and open sitting is provided on each floor so that people can enjoy the luxury of parks and social gathering in high rise building.

MASSING TRANSFORMATION



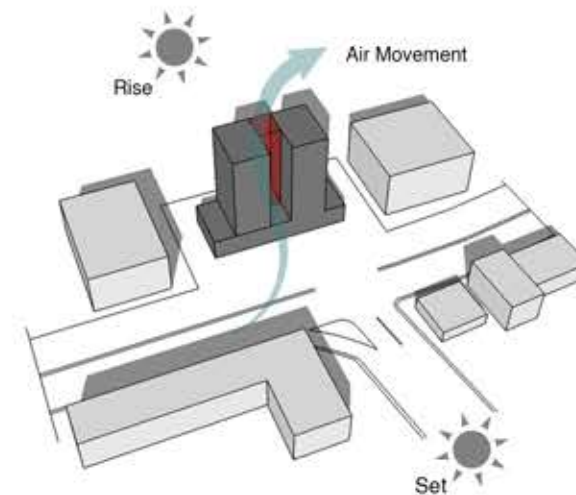
RESPOND TO THE SITE

The building block is oriented in such a way that it has maximum views of the surroundings.



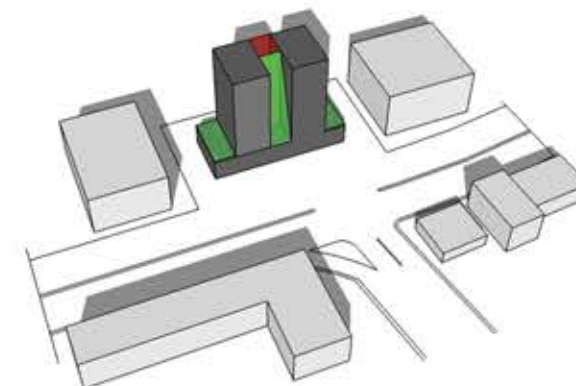
RESPOND TO THE FUNCTION

To segregate the residential floors from commercial floors, recreational block is added in between which is acting as a buffer.



RESPOND TO THE CLIMATE

The upper block i.e., residential is planned carefully so it restricts direct sunlight and let the air flows through.



FINAL MASSING

Addition of green spaces in the building helps in reducing the solar heat gain and in minimizng the micro climate of the building which will makes it more livable.

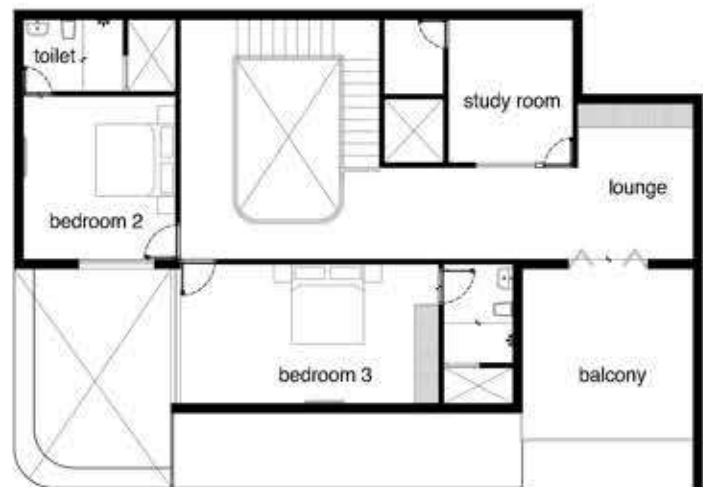
UNIT TYPES



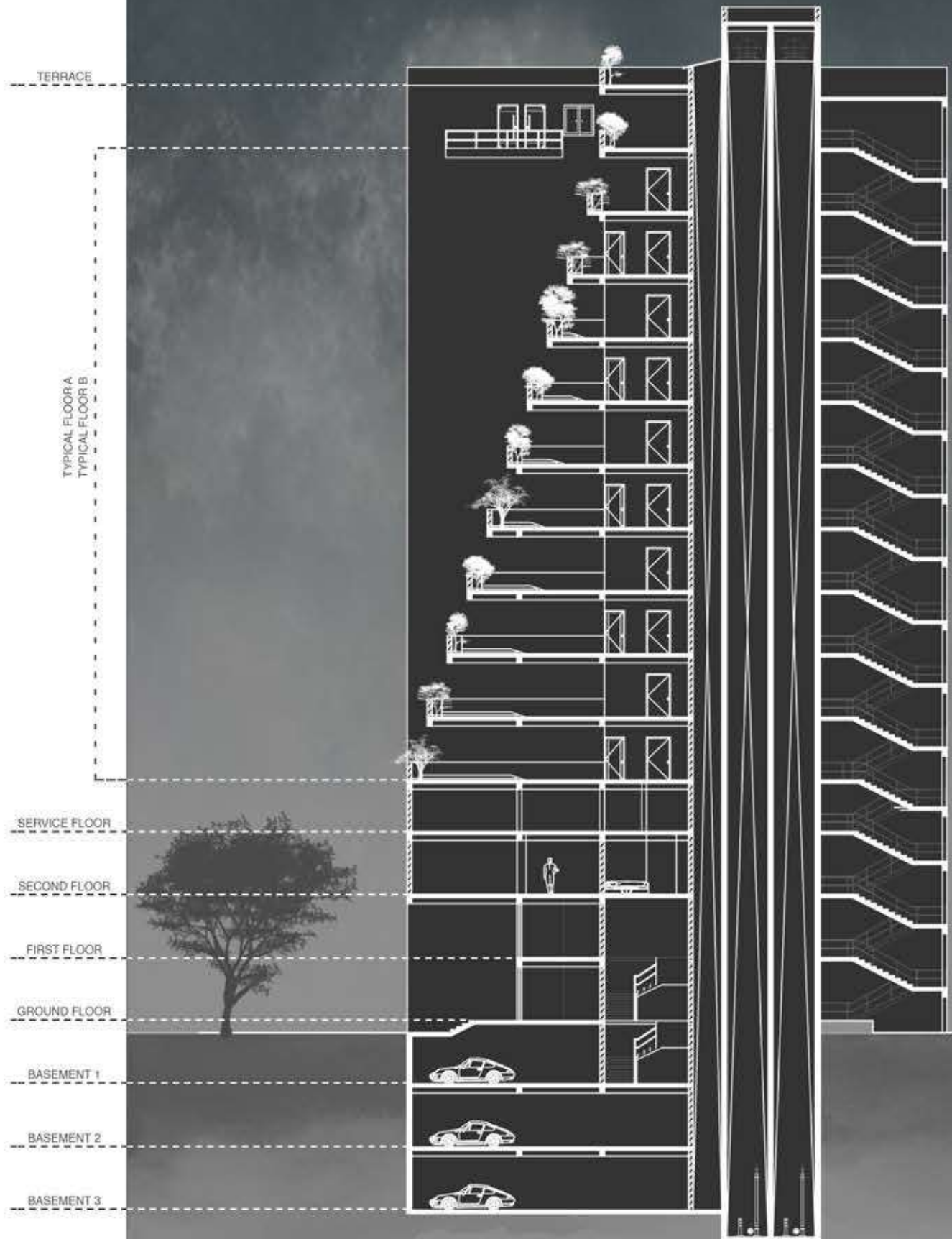
2 BHK



3 BHK DUPLEX



"In the concrete jungles that we live in, a brush with greens is always uplifting!"



SECTION SHOWING COMMON GATHERING SPACE ON EACH FLOOR

What more architecture can do?

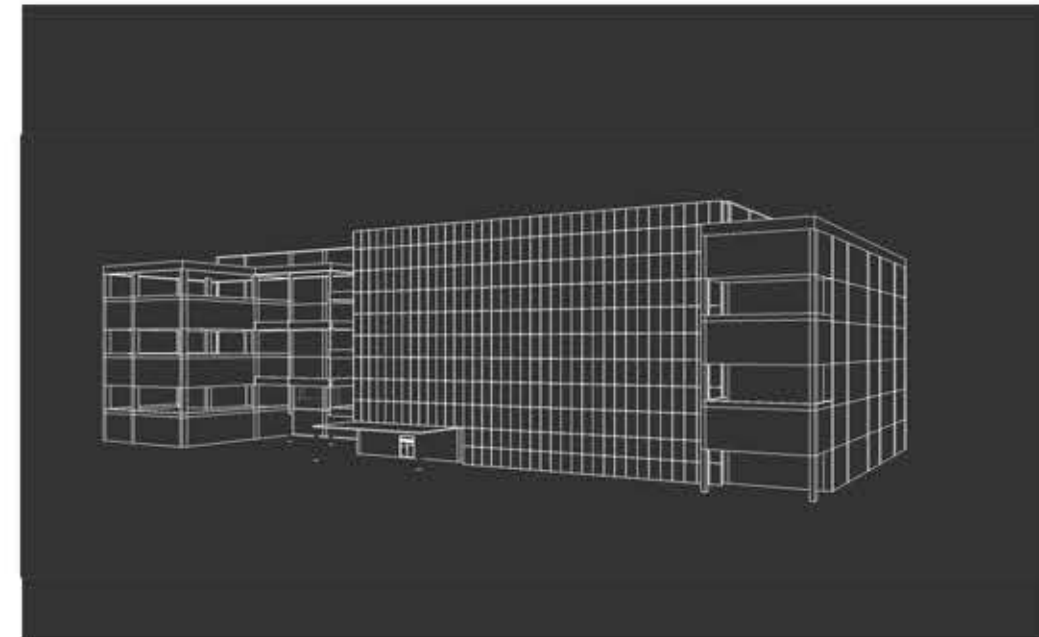


"Architecture can heal us."

04

HEALING SPACES - MOTHER & CHILD WELFARE CENTRE

"A place for new born"

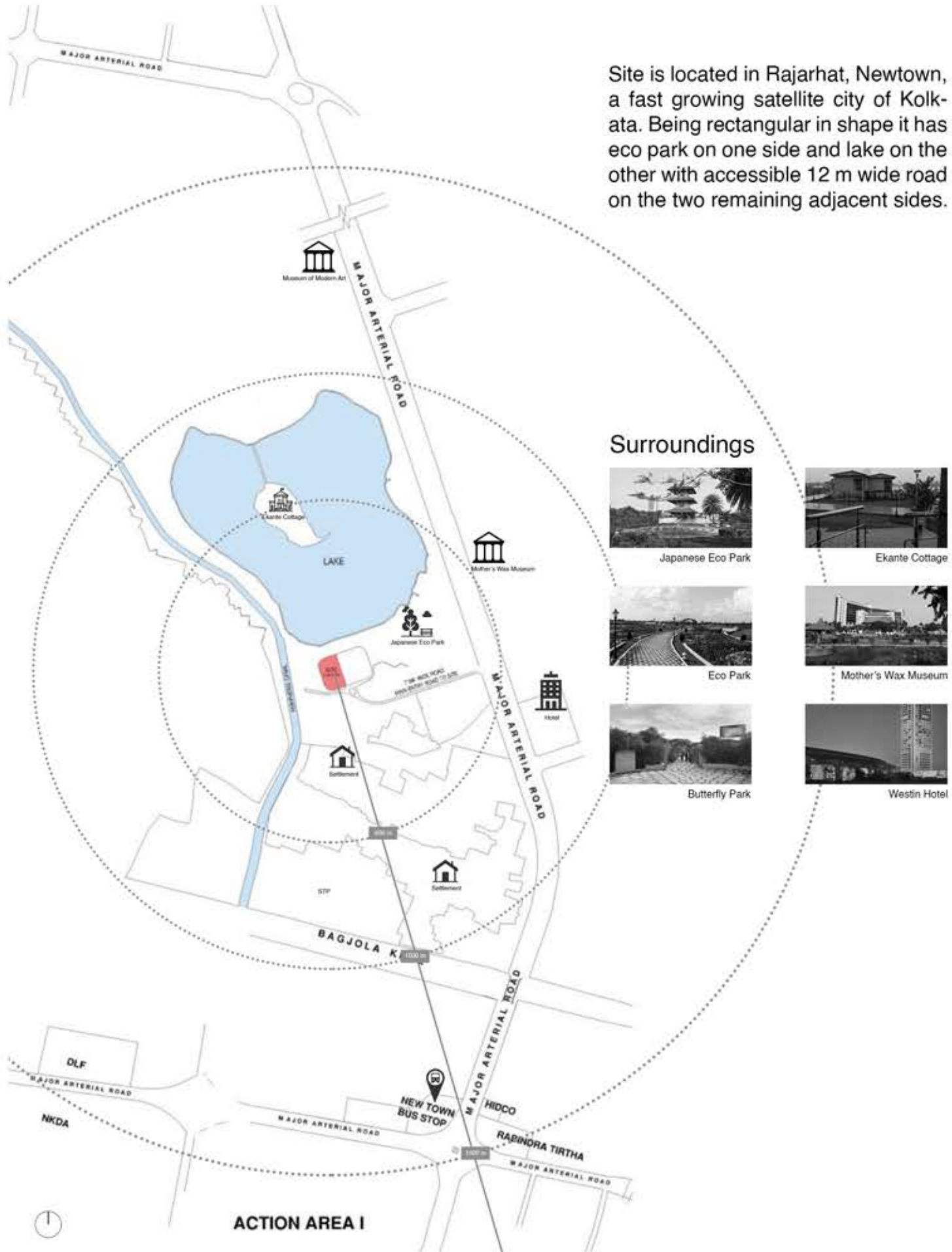


**Public Bulding / Maternity Hospital
Transparence Competition / 2017
Kolkata City, India**

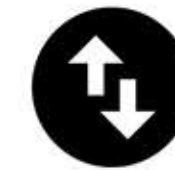
The theme for Transparence falls under the bigger umbrella of "Well-being", which is often defined as the state of being comfortable, healthy, or happy. *"The moment a child is born, a mother is also born"*.

The brief is to design a "Healing spaces"- A Mother and Child Welfare Centre" that focuses on the five pillars of well-being" – Comfort, Aesthetics, Sustainability, Health and Happiness. While this is not exactly a measurable factor, a mother and child hospital is often associated with new beginnings. If the spaces are not sterile and are designed in such a way so as to celebrate new beginnings, it will, most likely, amount to a happy place!

SITE CONTEXT



ISSUE STATEMENT



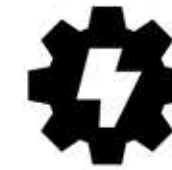
orientation



circulation



healing



efficiency

The idea is to tackle the present worst situation of light and ventilation in a space like hospital keeping in mind the well-being of users. The people need more obvious orientation and movement while inside the building as well as air circulation to reduce the efficiency of air conditioning units in hot and humid climate.

CONCEPT

OHE: Optimal Healing Environments

WELLNESS

*Achieving wellness and wholeness
In body, mind and spirit*

EFFICIENCY

*Providing
Quick, accessible care*

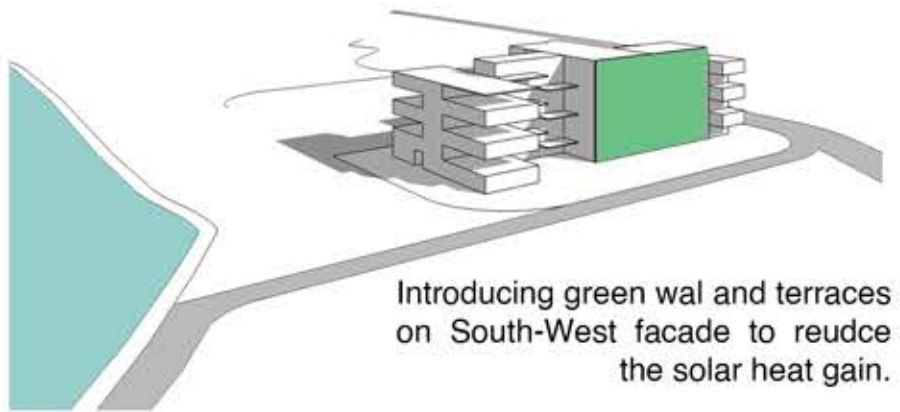
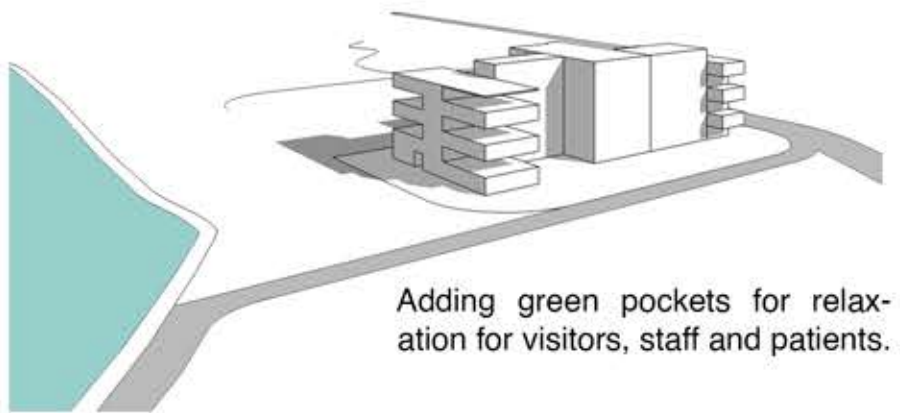
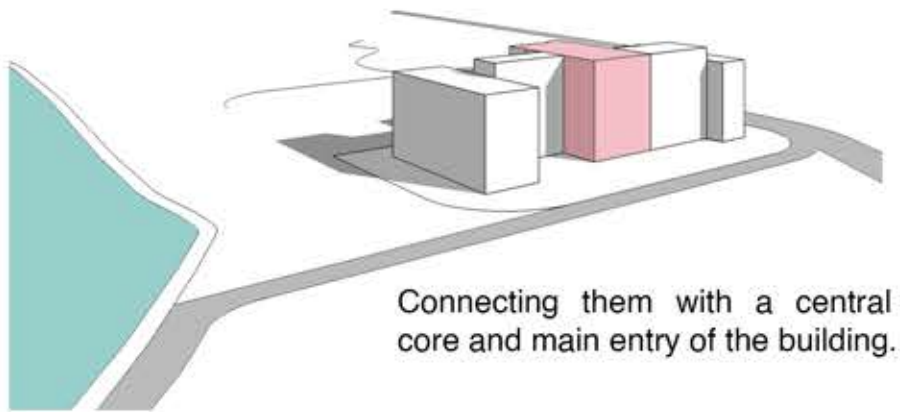
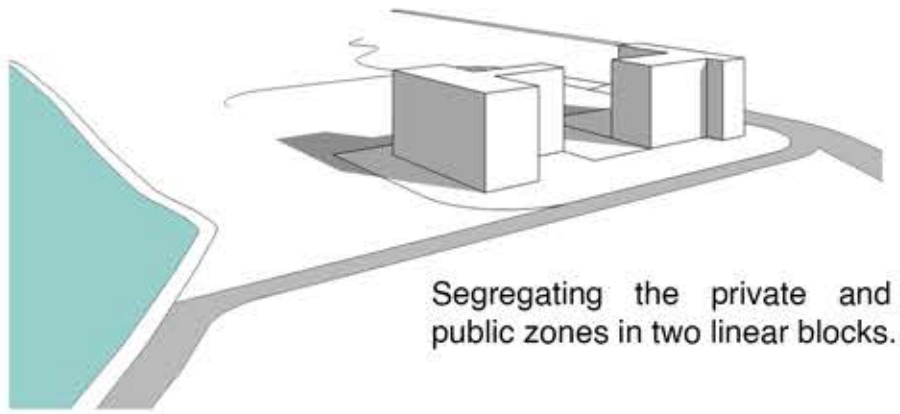
SUSTAINABILITY

*Environmental friendly
Architecture*



Healing environment for healthcare buildings describes a physical setting and organizational culture that supports patients and families through the stresses imposed by illness, hospitalization, medical visits, the process of healing and sometimes bereavement.

DESIGN STRATEGY



What more architecture can do?



"Architecture can give us home."

05

URBAN INFILL - THE HOUSE

"Stacked filling for the emptiness"



Residential / House
Freelancing / Designing, Planning / 2020
Agra City, India

Kamla Nagar is a densely populated locality in Agra with various sizes of plot. The house, designed for a forty-years-old couple and their two children, is a typical tube house constructed on the plot 4.5m wide and 20m deep. The front and back side of the plot has road which is the major opportunity of the site.

The client's brief was a three bedroom house with one separate visitor's room and inhouse car parking.

SITE CONTEXT



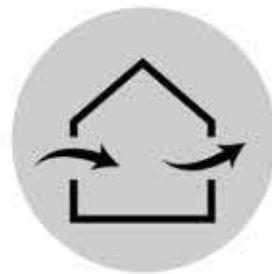
Site is located in the residential locality of the city. Although the site is small in size which is 4.5 m x 18.3 m i.e., 82.5 sq. mts. but it has a potential of giving openings and windows on two sides, front and back.

- 9 meter wide road
- 6 meter wide road

ISSUE STATEMENT



Natural Light

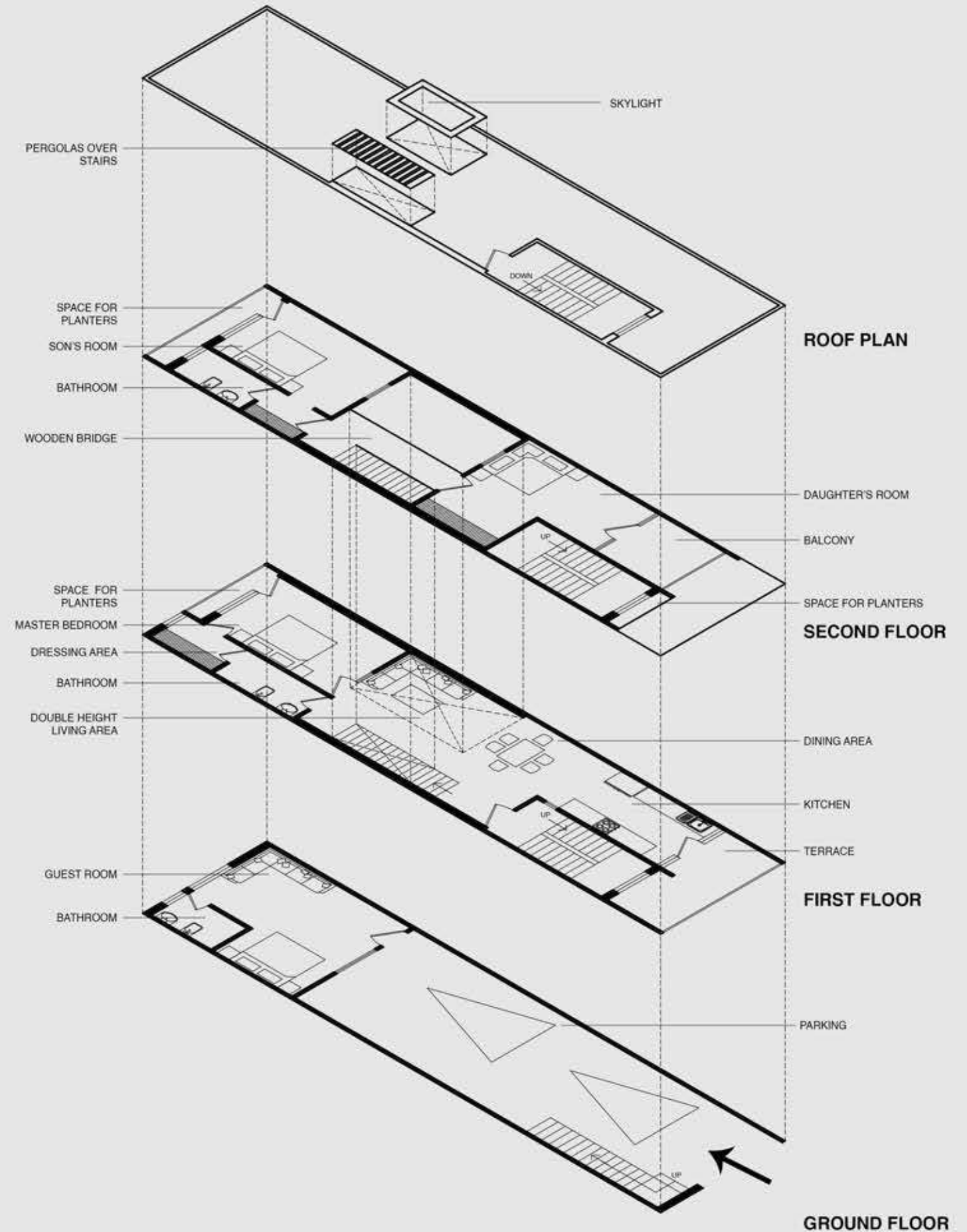


Natural Ventilation

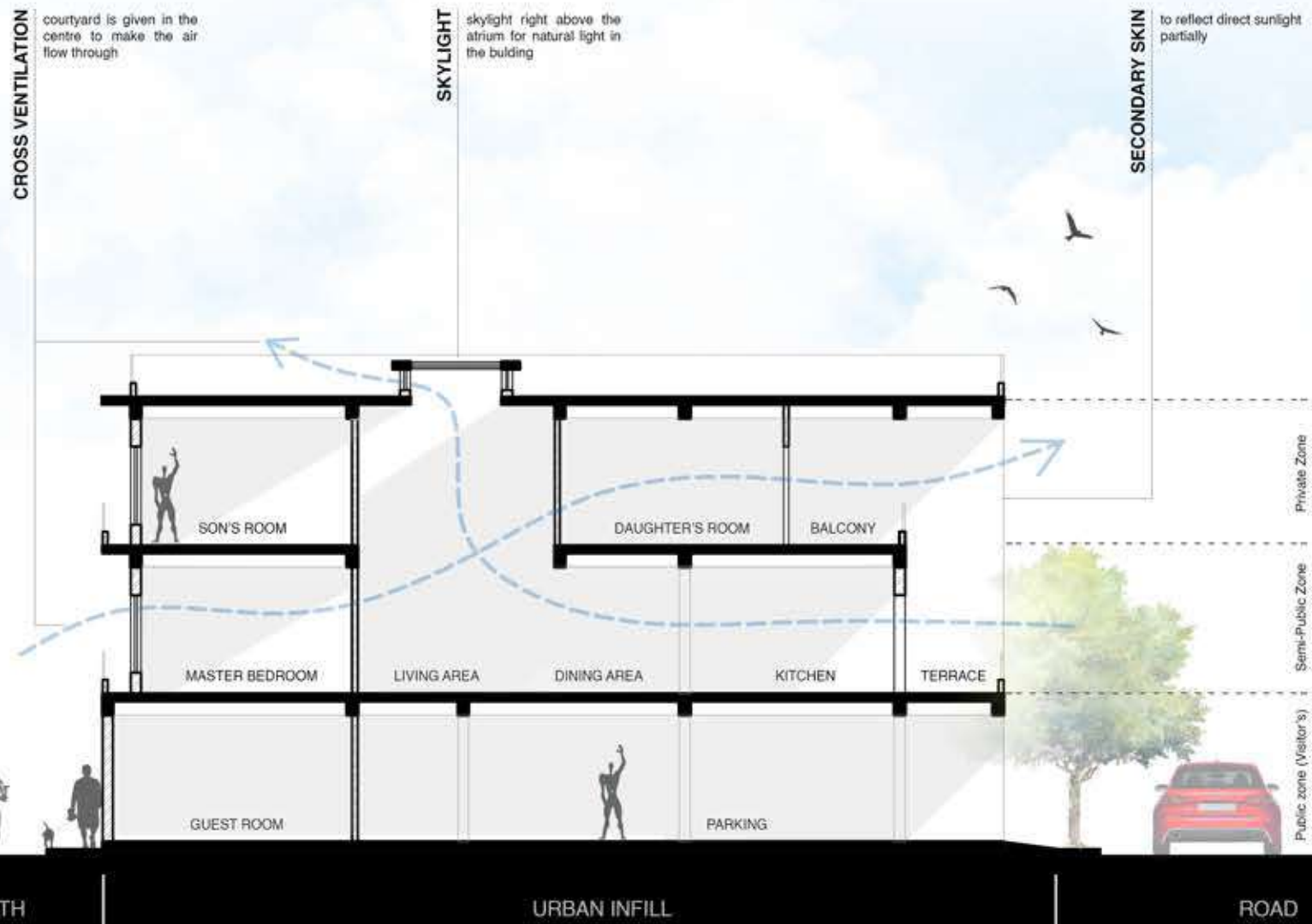


Privacy

The idea was to tackle the problem of natural light and ventilation in small houses, as well as the privacy concern between parents and children. Designing the spaces which requires very few partition walls in order to keep interior fluency and clear views from every point of house. Creating spaces for indoor planters to make the spaces more breathable and calming.



INTERIOR PERSPECTIVES



SECTION SHOWING DOUBLE HEIGHT SPACES

06

MISCELLANEOUS



Govind Dev Ji Temple, Jaipur



Succulents, Bonsai Tree



Fort, Hampi



National Gallery of Modern Art, Bengaluru



Under construction site, Jaipur



Under construction site, Jaipur

THANKYOU

manvi.1998gupta@gmail.com

+91 9680980962