

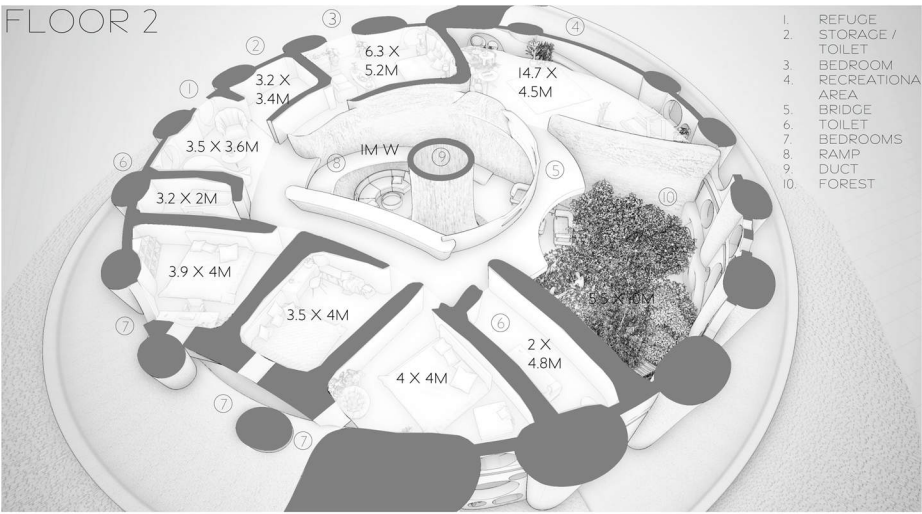


ADITI HADKAR

ARCHITECTURAL PORTFOLIO

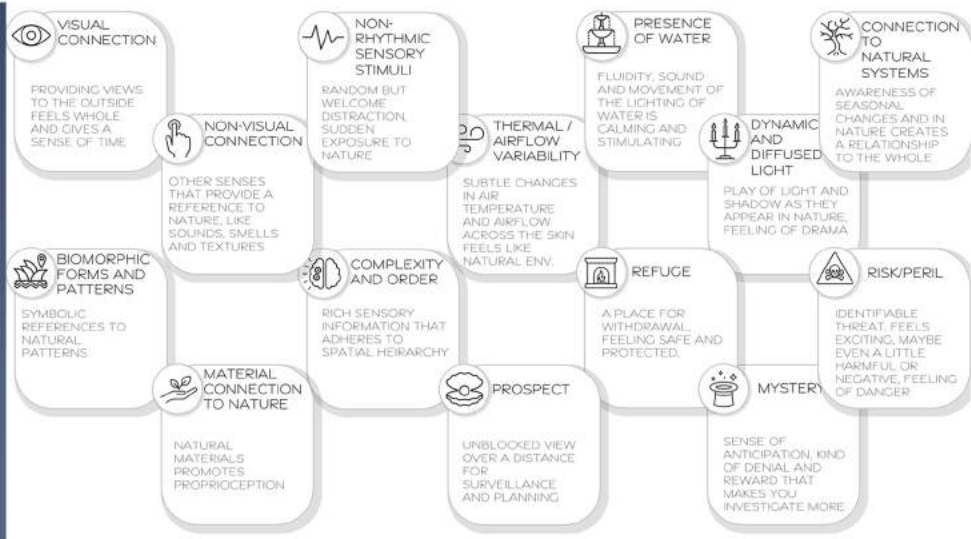
CONTENTS



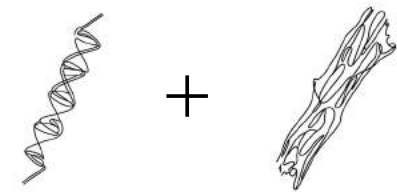


HABITAT ON MARS

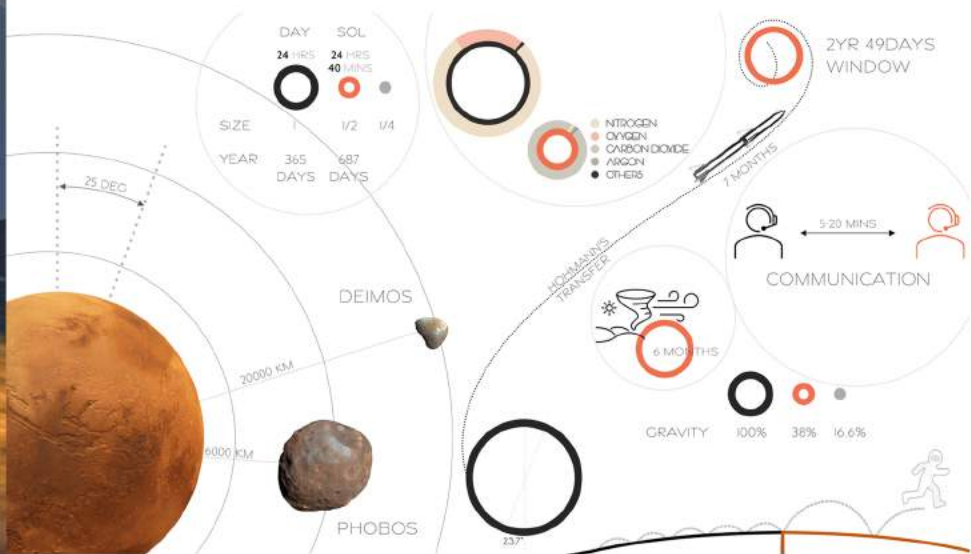
This thesis explores ways to develop a habitat for human settlement on Mars. Currently, most designs for living on Mars focus primarily on survival and emphasize the technological aspects necessary for sustaining life. However, there is a lack of holistic consideration for what life on Mars would entail beyond mere survival. Human Centric Design methods were used for the habitat.

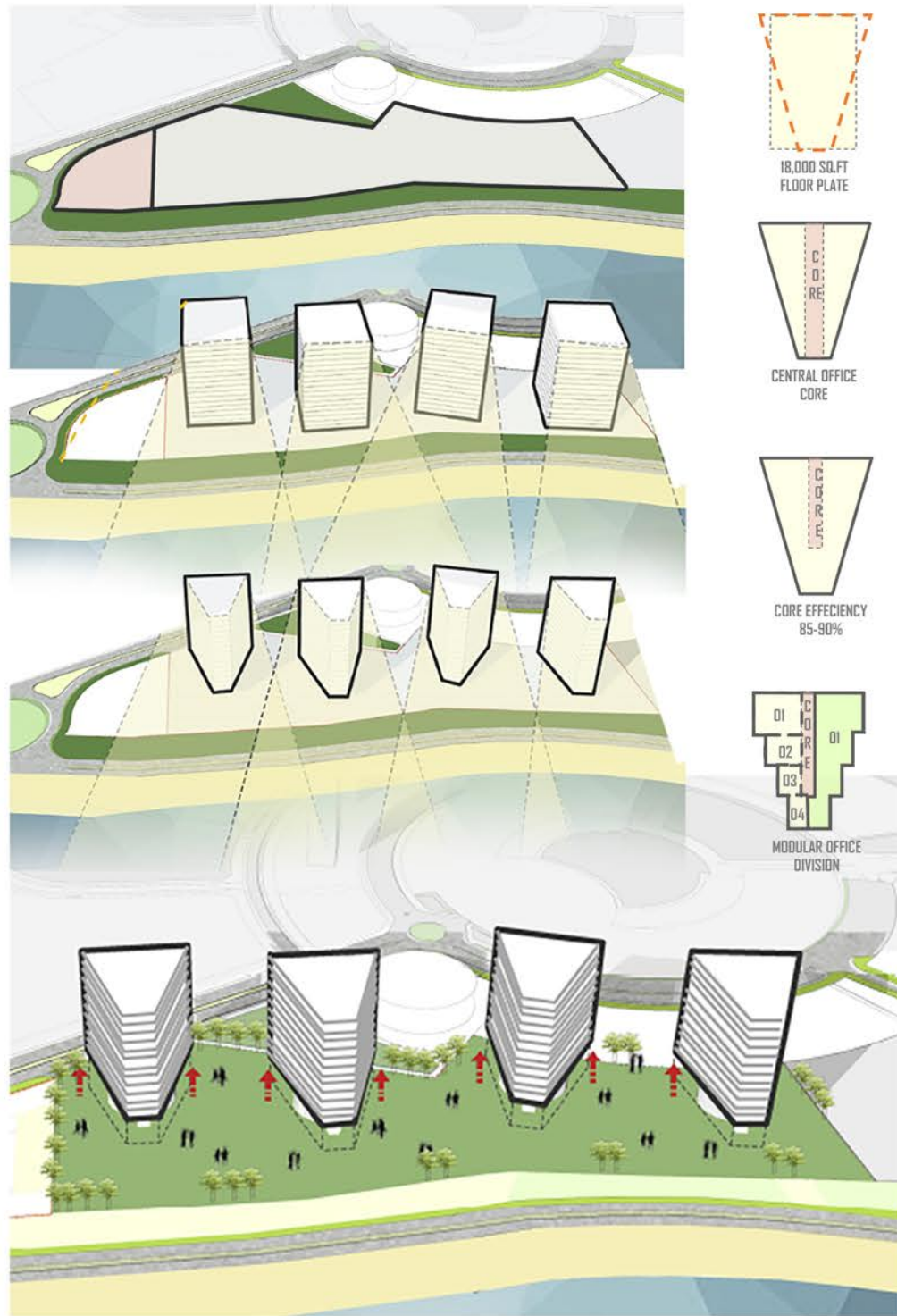


Human Centric Design methods



The Form





SHALIMAR COMMERCIAL COMPLEX

Professional Project

Developing a river front Commercial complex while keeping in mind the density of footfall and consuming all the FSI. We wanted to to maximise the view of the river due to which the design evolved into this triangular stepping shape. Later, to decrease the building footprint and provide more area for an urban landscape, we increased the height of 2 of the buildings while creating an urban plaza at the middle floor of the highrise

MY ROLE: I was Team lead for this project, and designed the landscape, Retail space and made their 3Ds.

TEAM: Anish, Darshana, Rizwan GUIDED BY: Sushant Warape



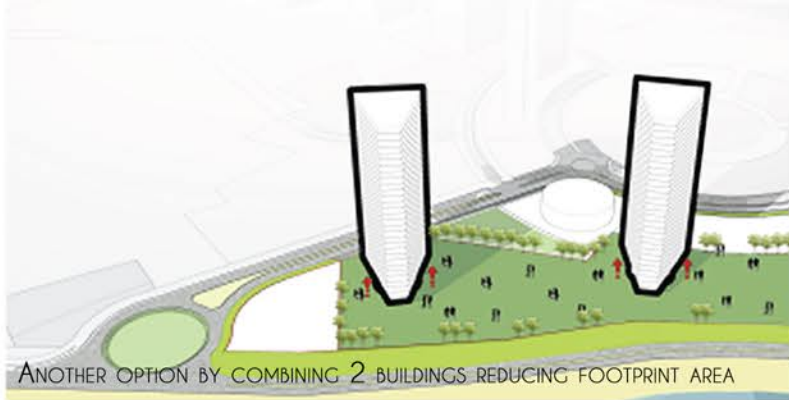
TYPICAL BUILDING SECTION



SITE PLAN AT GROUND LEVEL



F&B & RETAIL SPACES



ANOTHER OPTION BY COMBINING 2 BUILDINGS REDUCING FOOTPRINT AREA



F&B & RETAIL SPACES



F&B & RETAIL SPACES

NAVI MUMBAI INTERNATIONAL AIRPORT-HOTEL

Professional Project

While the NMIA Terminal Hotel is an airport hotel perched on a site of 4.8 acres. Two parallel straight wing forms are connected to shape the architecture. The central atrium at the entry creates visual connectivity and binding the floor plates together with an emphasising presence. The lower levels hold the services, management and Conference halls, whereas the upper floors have guest rooms. Overall the architecture welcomes the visitors and sits true to its place. This particular airport was designed by Zaha Hadid Architects and we had to make sure our hotel would be up to the mark.

MY ROLE: I was co-leading the project under the associates guidance. I handled the planning, brainstormed 3D, elevation and landscape ideas and the overall coordination making sure everything was upto the mark.

TEAM: Anish, Delnaaz, Rizwan, Avishek, Jyoti.

GUIDED BY: Sushant Warape



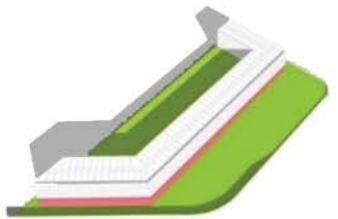
Massing Study



COMBINATION OF DOUBLY LOADED AND SINGLY LOADED ROOMS



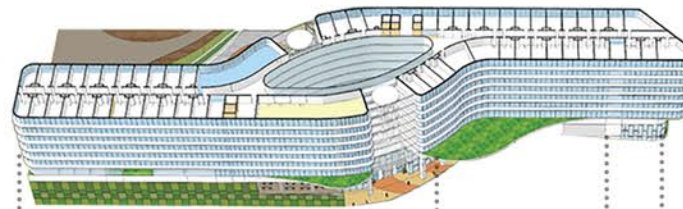
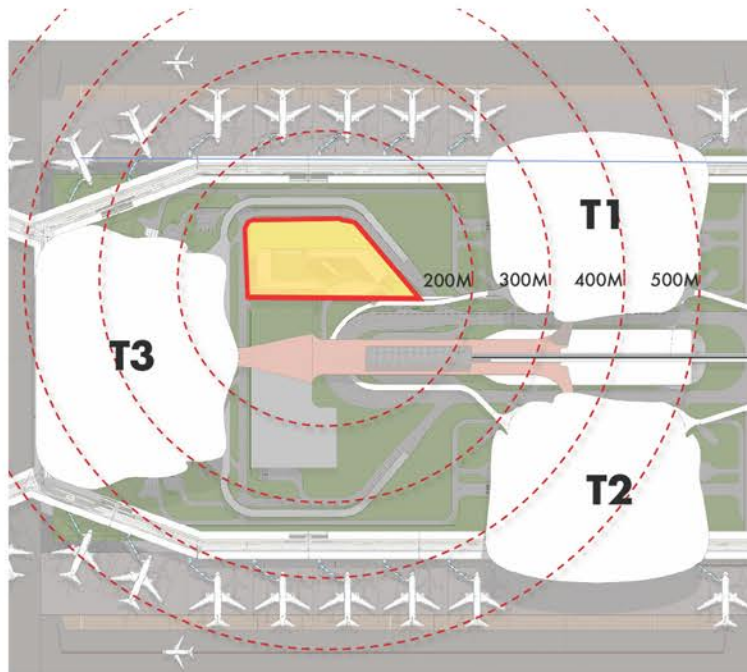
SINGLY LOADED ROOMS WITH A CENTRAL CORE



DOUBLY LOADED ROOMS WITH OPEN FRONT



MAXIMUM NUMBER OF DOUBLY LOADED ROOMS



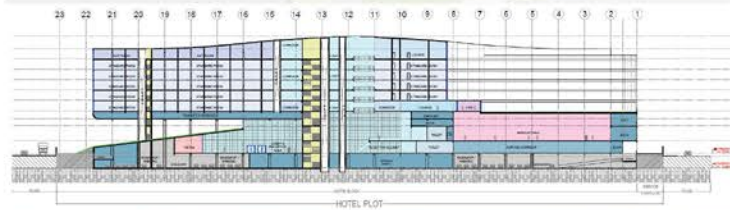
TYPICAL GUEST ROOM FLOOR



TYPICAL BUILDING SECTION - (SPA, GYM, GUEST ROOMS & ENTRY TO PODIUM GARDEN)



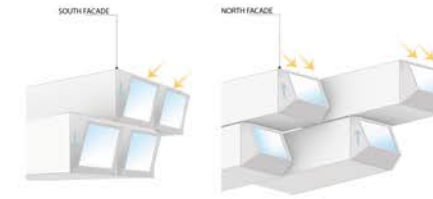
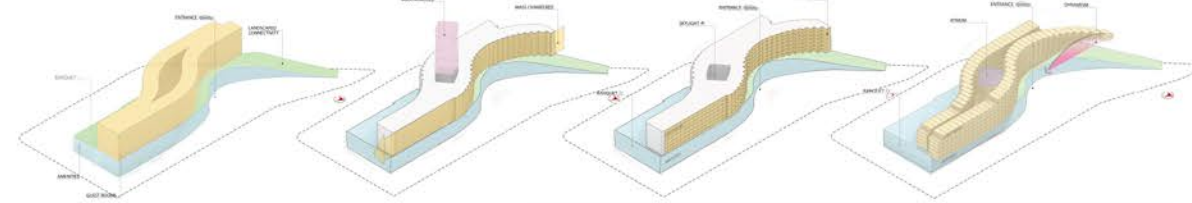
GROUND FLOOR PLAN - (CONFERENCE HALLS, FINE DINING, ADMIN AREAS)



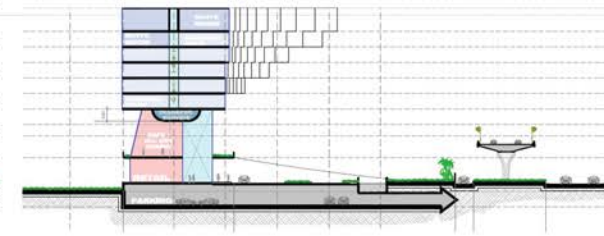
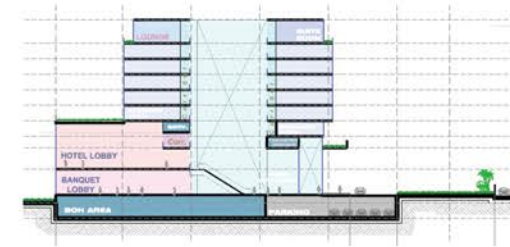
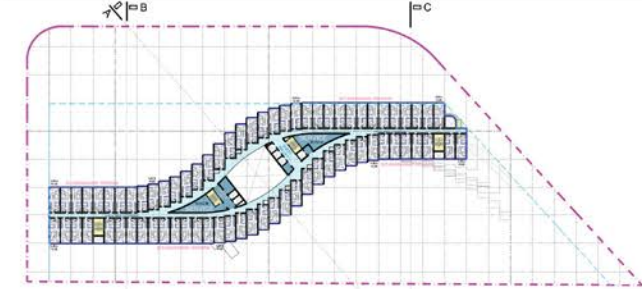
HOTEL PLOT



Alternate option evolved from original option



Window of the guest rooms at the north and south facade



HOTEL 1905 AT NEPAL

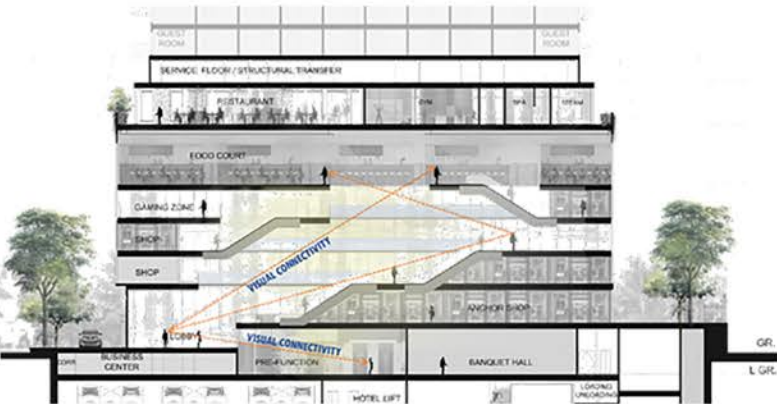
Professional Project

The Hotel 1905 is designed on a plot of 1325 sqm in Kathmandu, Nepal. The hotel complex required the following functions to be designed as a part of the mixed-use complex space for retail outlets, offices, eateries, cinema, and a 5 star rated hotel which could be leased to Taj or Sofitel. The requirement of the hotel was to design at least 100 keys hotel with average room size varying from 25 sqm to 35 sqm. It should also have approx. 750-900 pax Banquet Hall, 2 fine dining restaurants, bar lounges, spa, gym and swimming pool. The facade was designed in the local architectural style called "NEWARI" and another option with neo-classical style.

My Role: I was responsible for the presentation drawings and making the 3D and walkthrough of this project

TEAM: Harshad, Delnaaz, Rizwan,

GUIDED BY: Sushant Warape

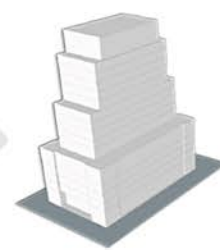




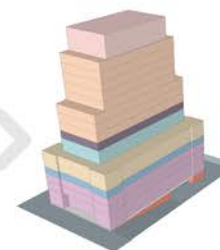
Plot area -3624.91 sq.mt.
Extruding building mass as per FAR = 3.25



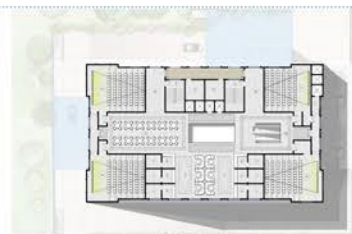
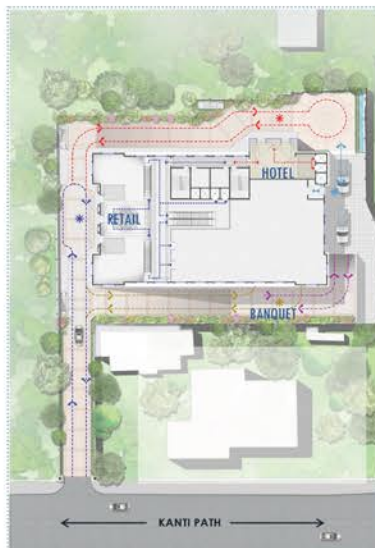
Up to 17mt, = 5mt
Above 17mt Open space = $5 + H/4$ mt
The shape of build mass is **inclined** to achieve the required open space.



Molded building form as per set back



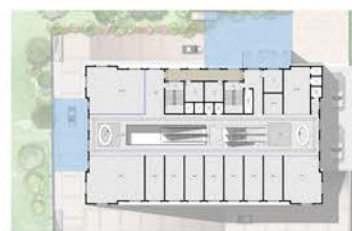
Allocation of function as per traffic flow, exclusivity and surrounding views



Multiplex Level



Guest Room Typical Level



Foodcourt Level

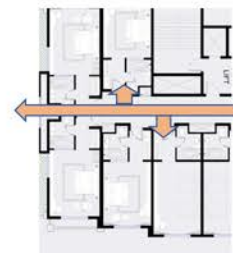


Clubhouse Level



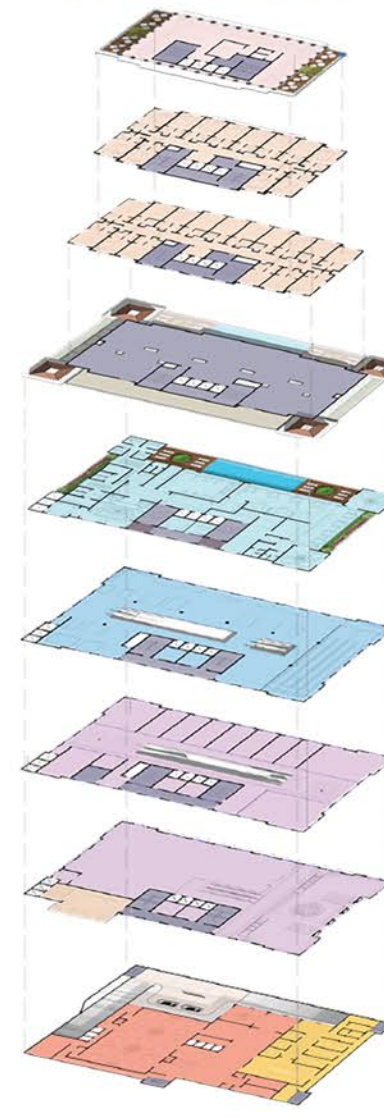
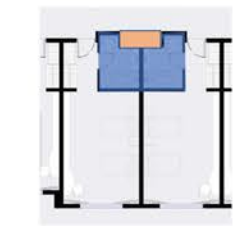
Doubly Loaded Corridor

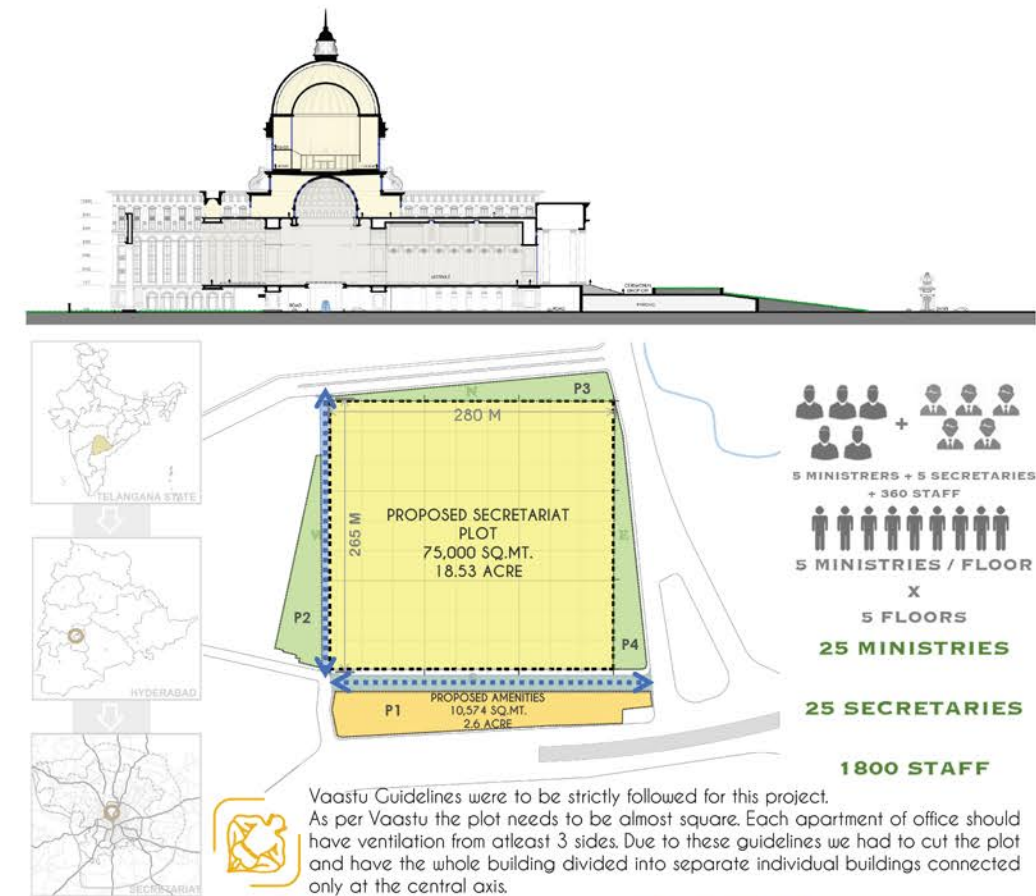
Doubly loaded corridor increase the efficiency of usable built up area



Back to back wet Areas

Grouping the toilets with common service ducts reduce the Services cost.





TELANGANA SECRETARIATE

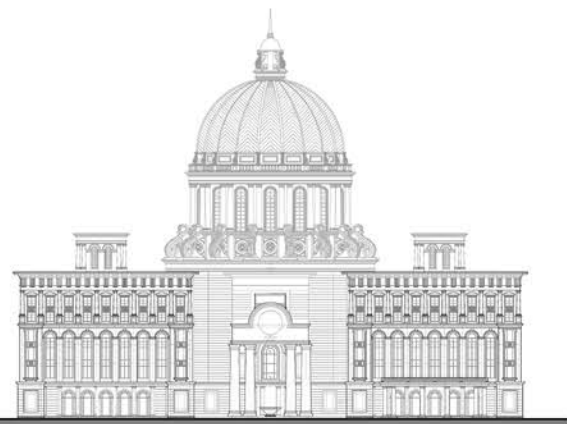
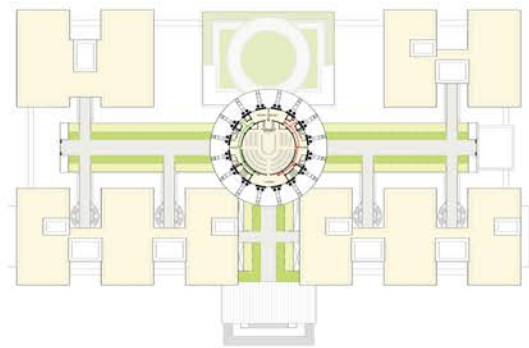
The secretariate building was one of the most prestigious buildings for our office. We designed it in classical aesthetic as it was a government building. Owing to its magnanimous scale and prestige more than half of the plot was landscaped appreciation space, below which we provided VIP Parking. Most of the planning was as per the vaastu guidelines, an ancient Indian traditional practice largely followed in India even today. The Central Dome structure actually holds the Auditorium where Parliament meetings would take place. Since the building was meant to be frequented by VIPs as well as the General Public, the circulation and security was of utmost importance. We even provided dedicated spaces for protests which inevitably would be held at this political structure.

My ROLE: I was Team lead for this project.

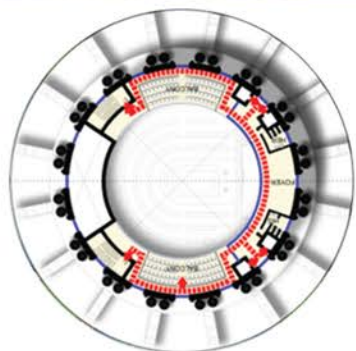
TEAM: Harshad, Delnaaz, Rizwan, GUIDED BY: Sushant Warape

Professional Project





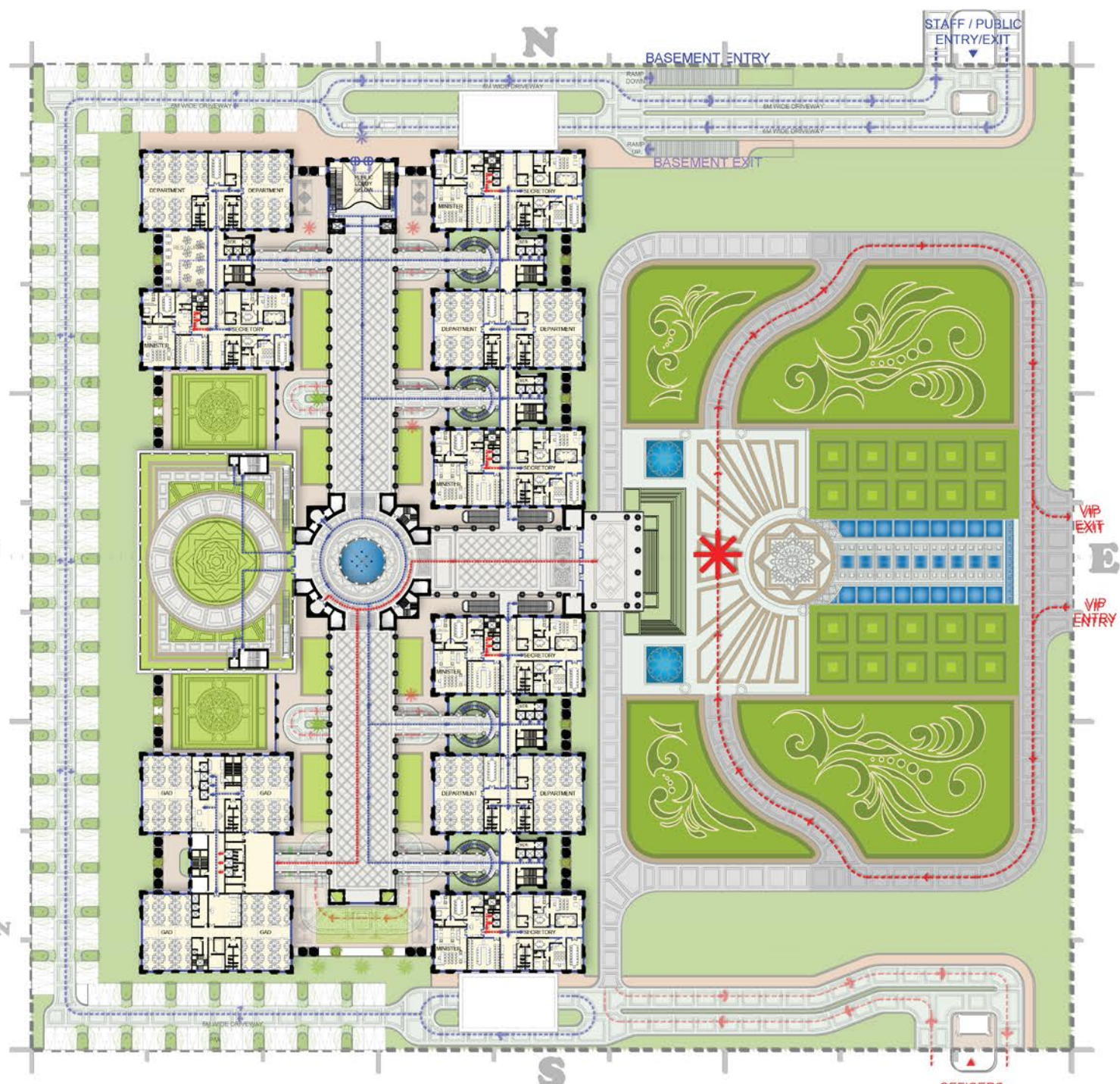
Side Elevation



Assembly Auditorium in the Dome.



CMO Office Floor

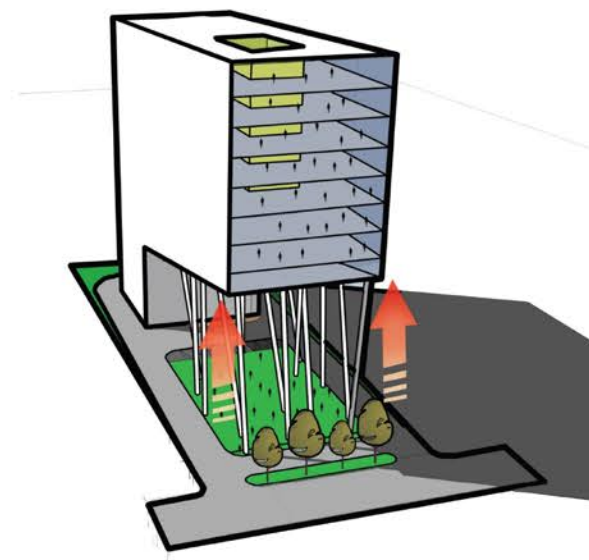
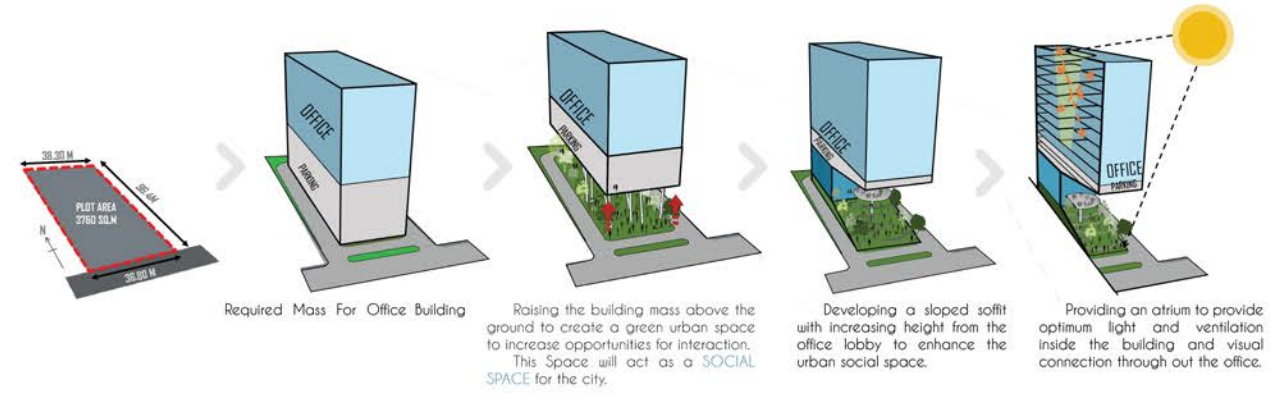


OFFICERS
ENTRY/EXIT

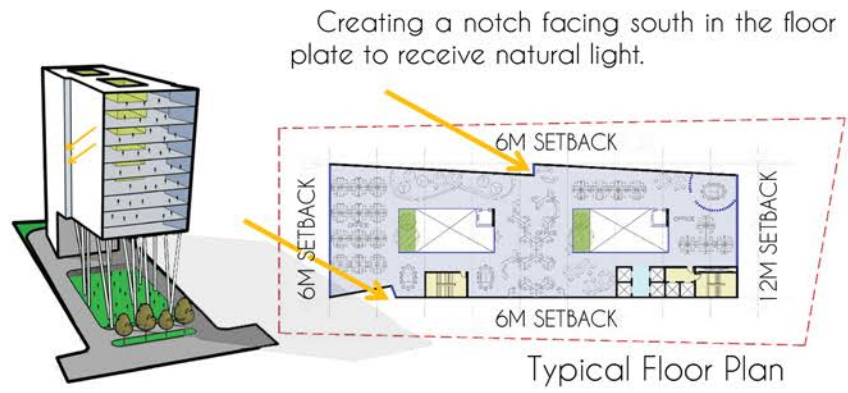
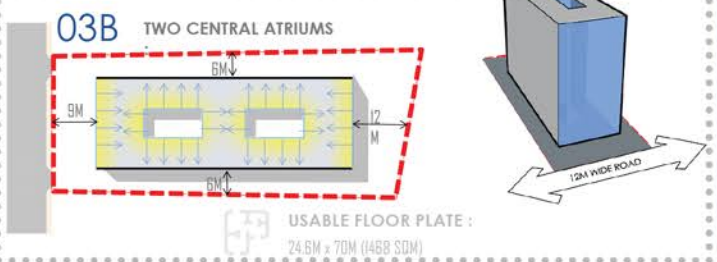
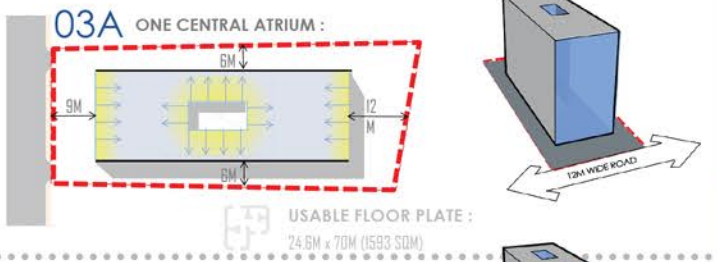
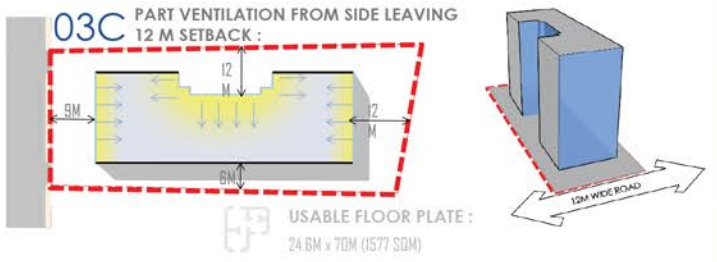
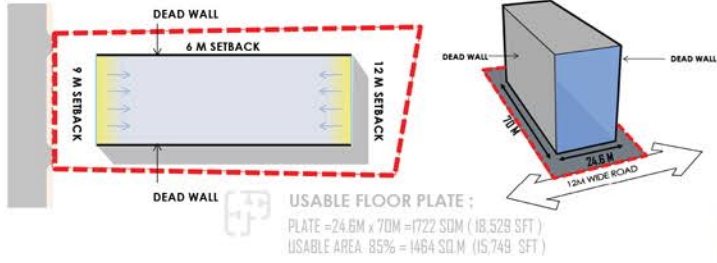
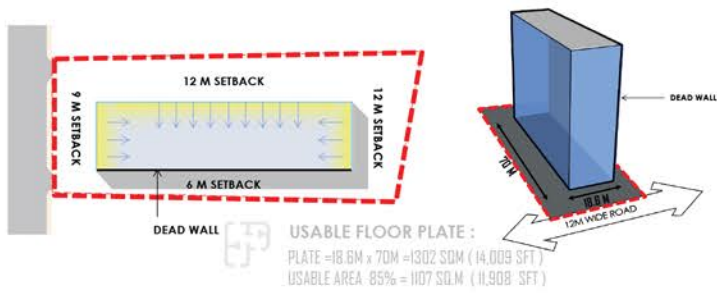


TATA MOTORS HEAD OFFICE

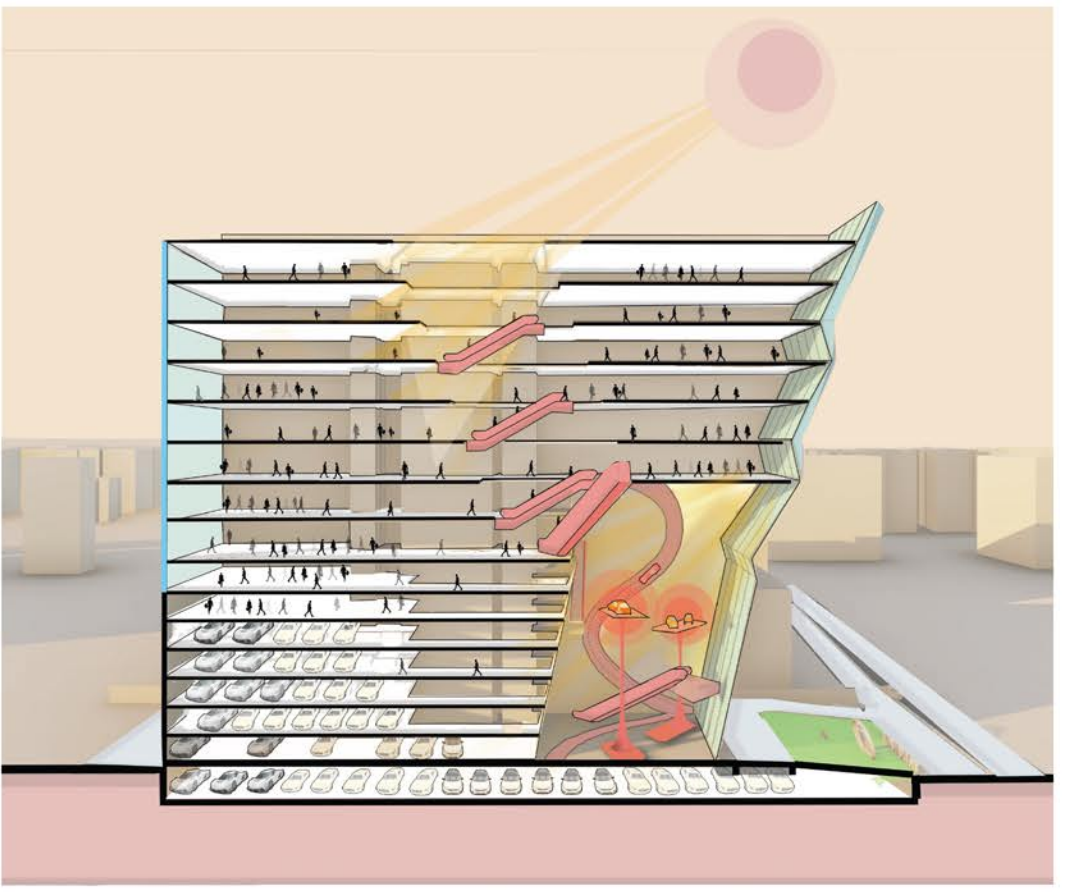
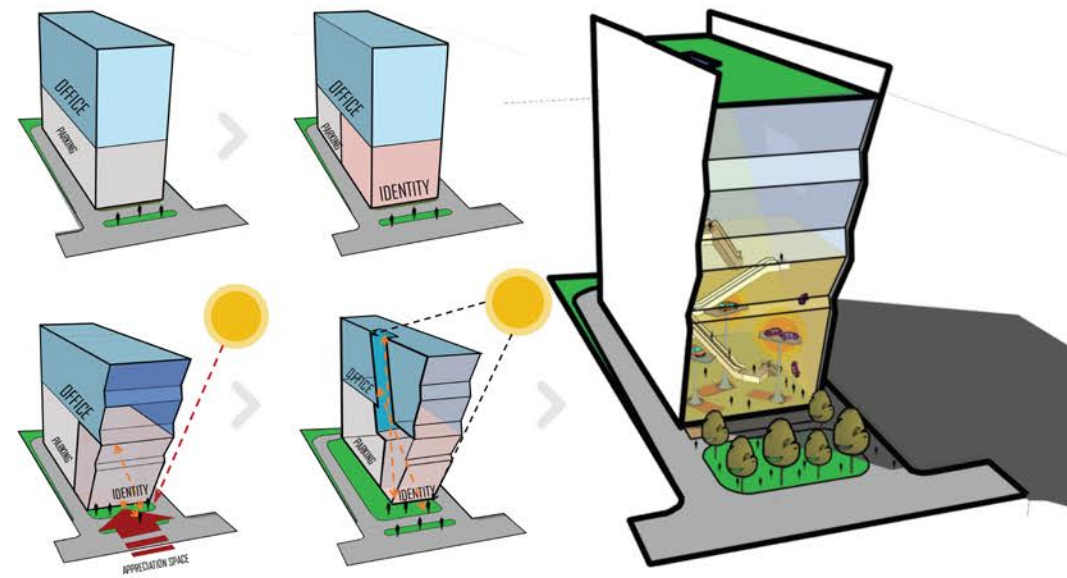
We wanted to do something out of the box for Tata Motors to help them create an identity in Mumbai with their new building. After the massing study and finalization of the plan we ideated 2 options The Urban Social and Identity.



massing study



Similarly, Space created for defining the Identity of Tata Motors. Where the future and past of TATA Motors will be displayed. This Space will act as a MUSEUM for TATA Motors. In turn it will be IDENTITY of the project .



EKTA BHAVAN GUJRAT

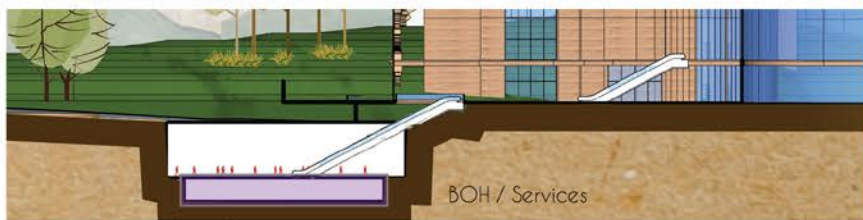
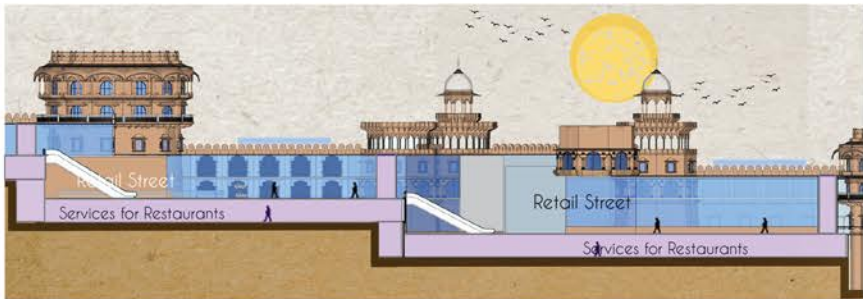
Professional Project

A luxury hotel with 5000 keys was supposed to be designed at a river bank for the government on a 52 acre plot. We did a lot of study and decided to make just one building as it decreases the footprint of the building. Other amenities like retail, restaurants, etc were also provided. We also proposed to get the river water into the site as it could be improve the landscape and microclimate of the site as Gujrat is mainly hot and dry climate. The water would also be used to create a plant-aquarium for the guests. We designed the structure in a way that faces the Statue of Unity and creates a photoframe when you look at it from the atrium.

MY ROLE: I was the team lead for this competition project. I helped design, calculated, made 3D and presentation drawings

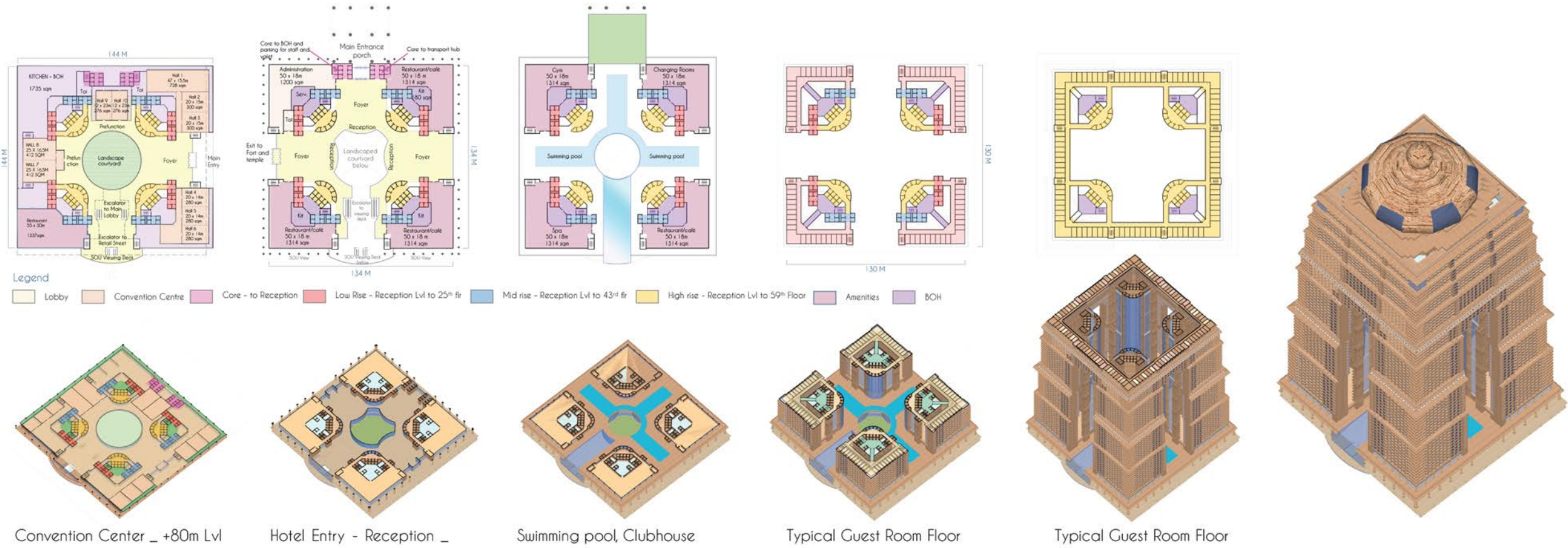
TEAM: Akash, Ashfaque, Prathamesh
GUIDED BY: Rajeev Trehan



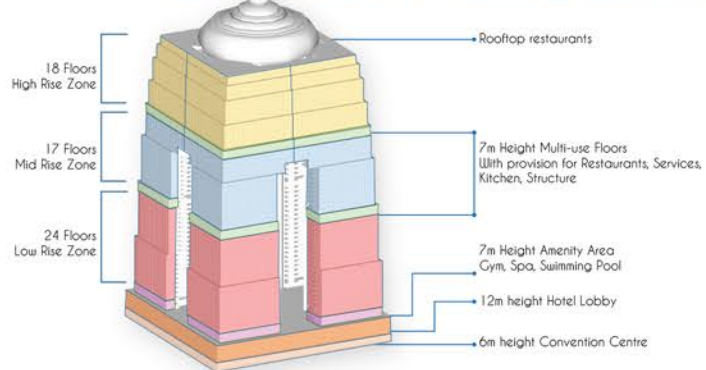


massing study

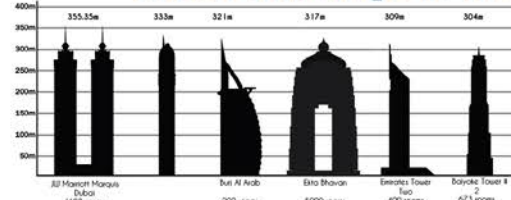




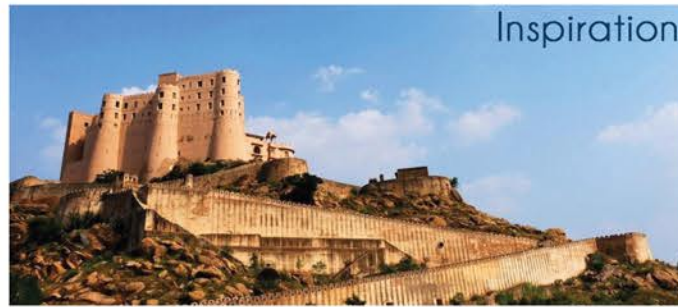
Main Building Vertical Zoning



Tallest Buildings in the world



Inspiration



Retail & Water Sports



DESIGN SKILLS

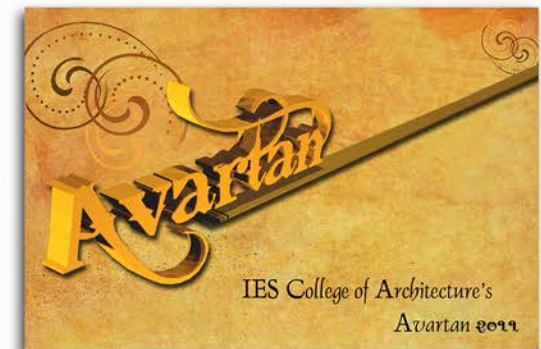
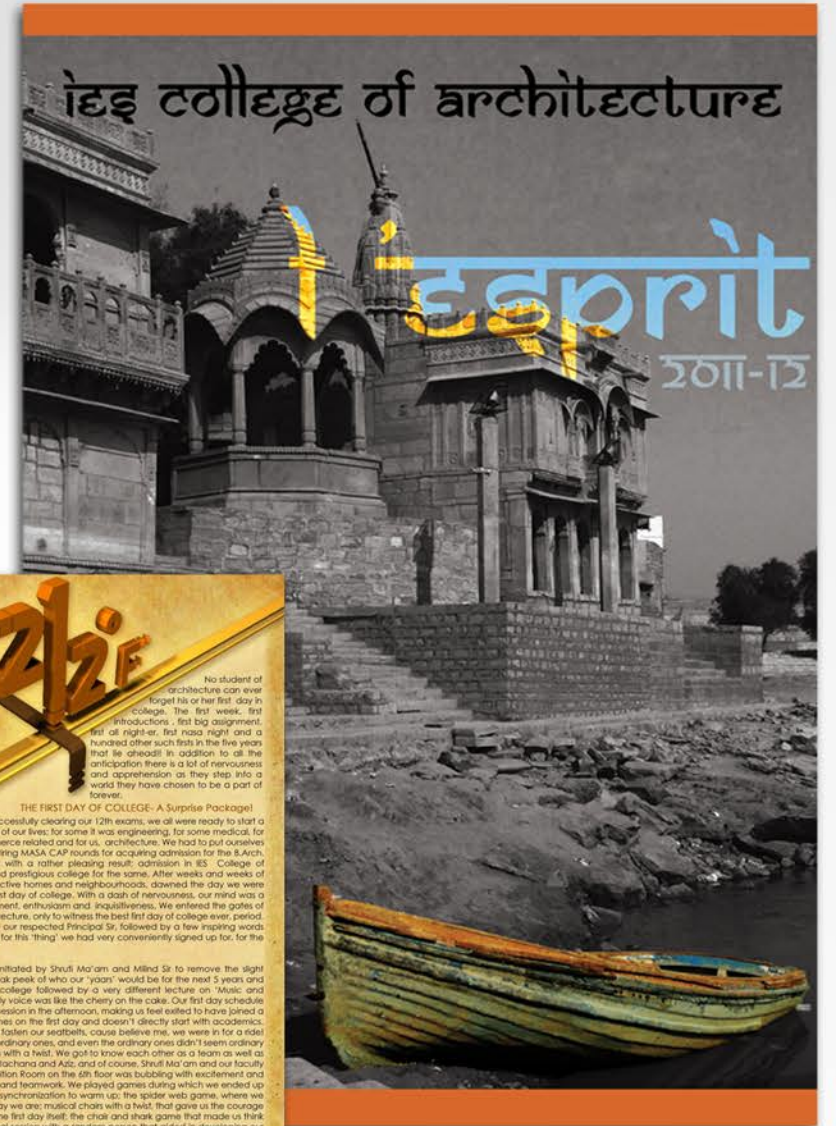
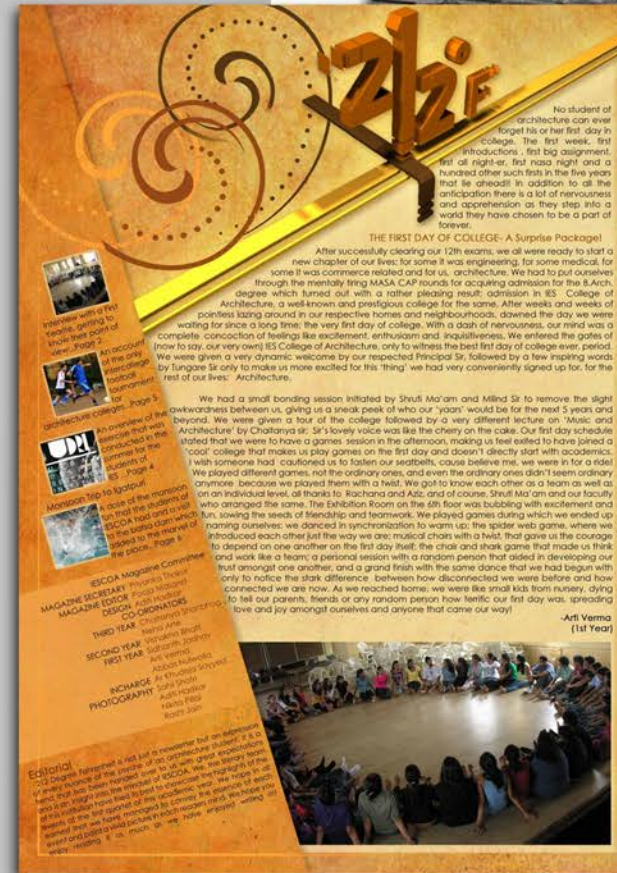


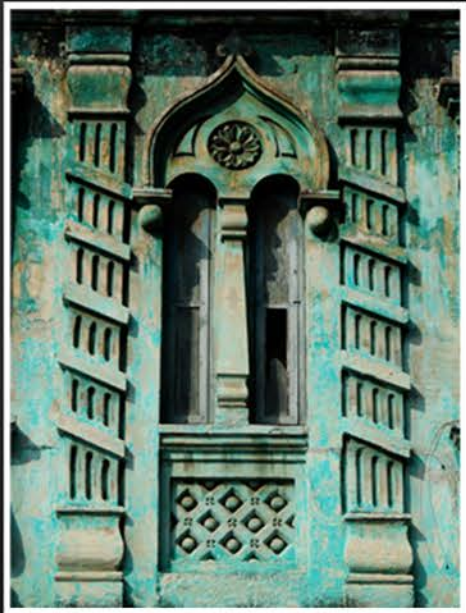
APP ICONS & LOGOS

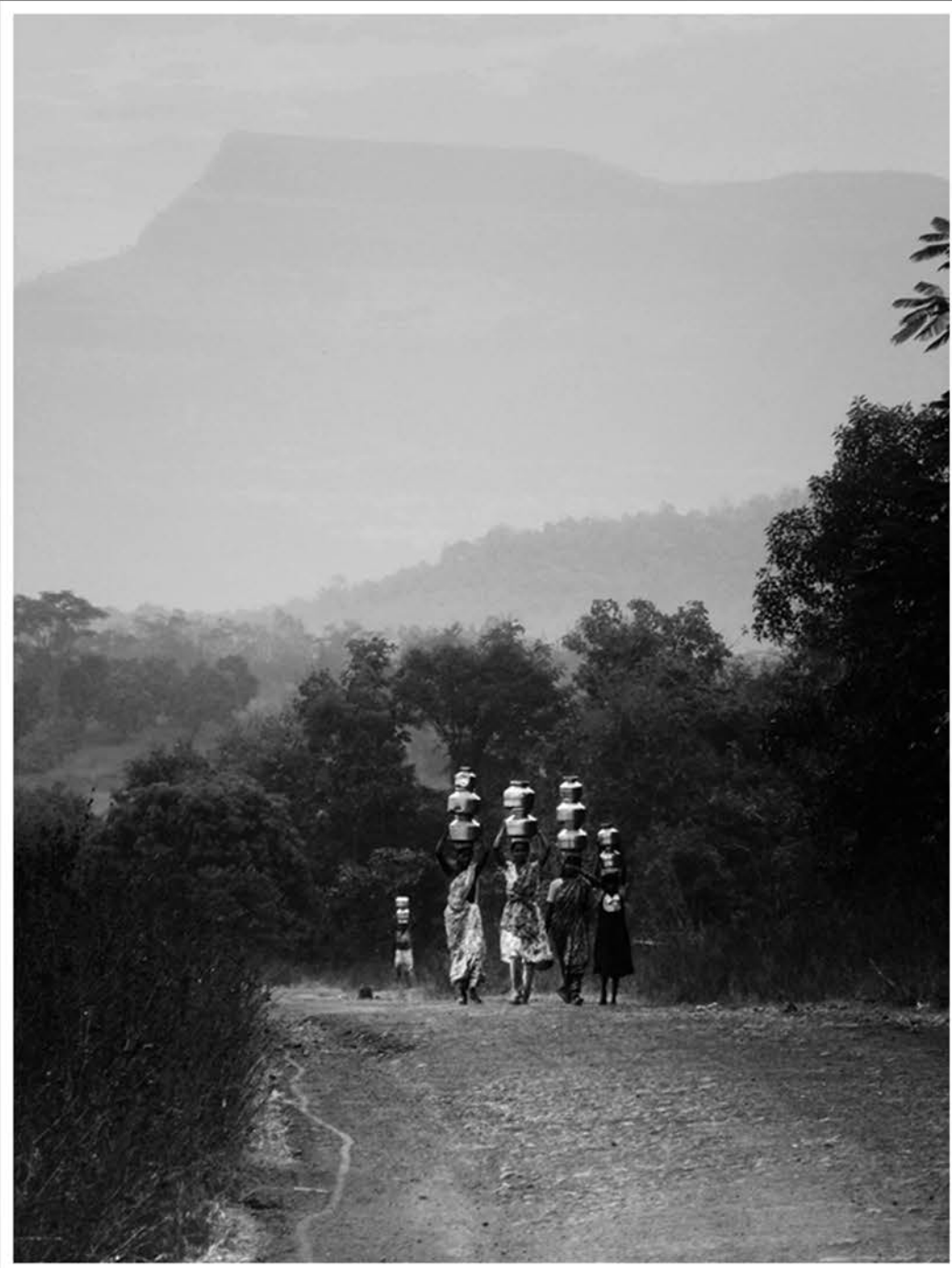
TAROT CARDS

MAGAZINE

INVITES







Aditi Hadkar
PROJECT ARCHITECT

Thank you