

ADITI HADKAR

ARCHITECTURAL PORTFOLIO

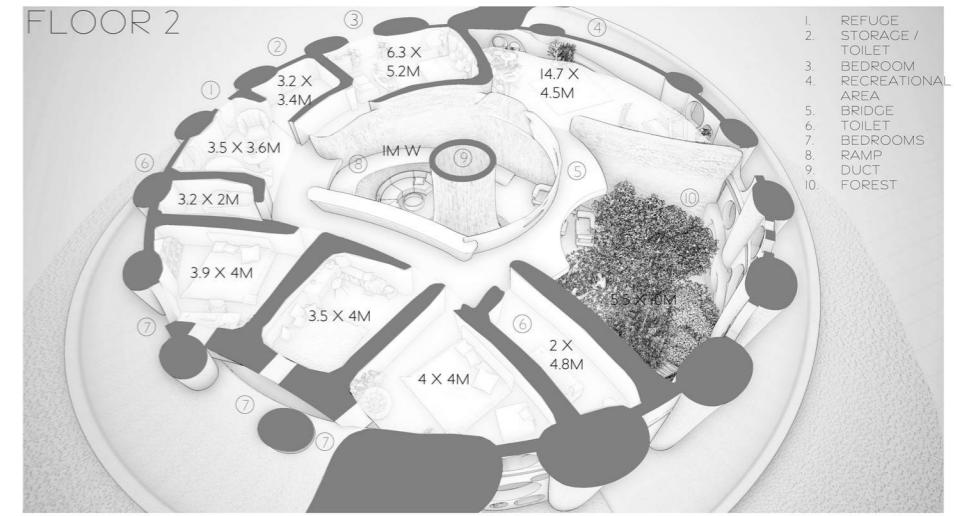
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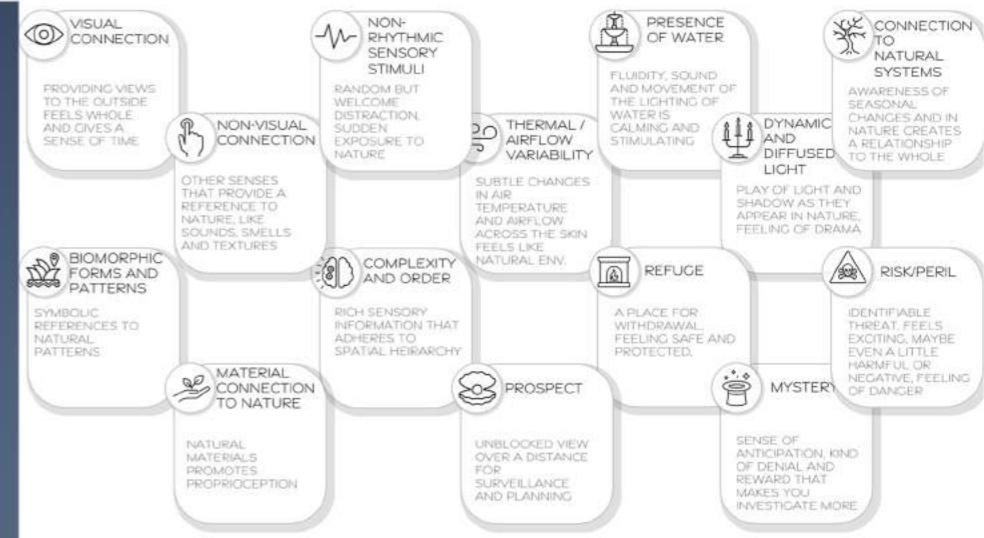




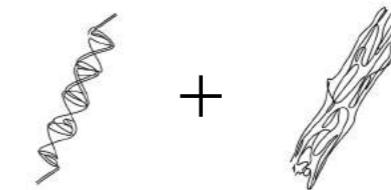
HABITAT ON MARS

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.

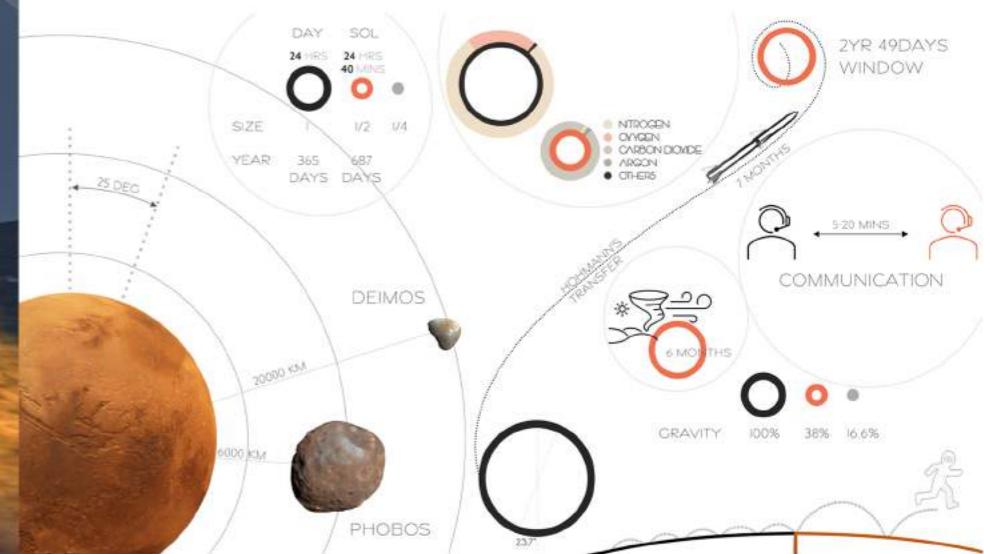


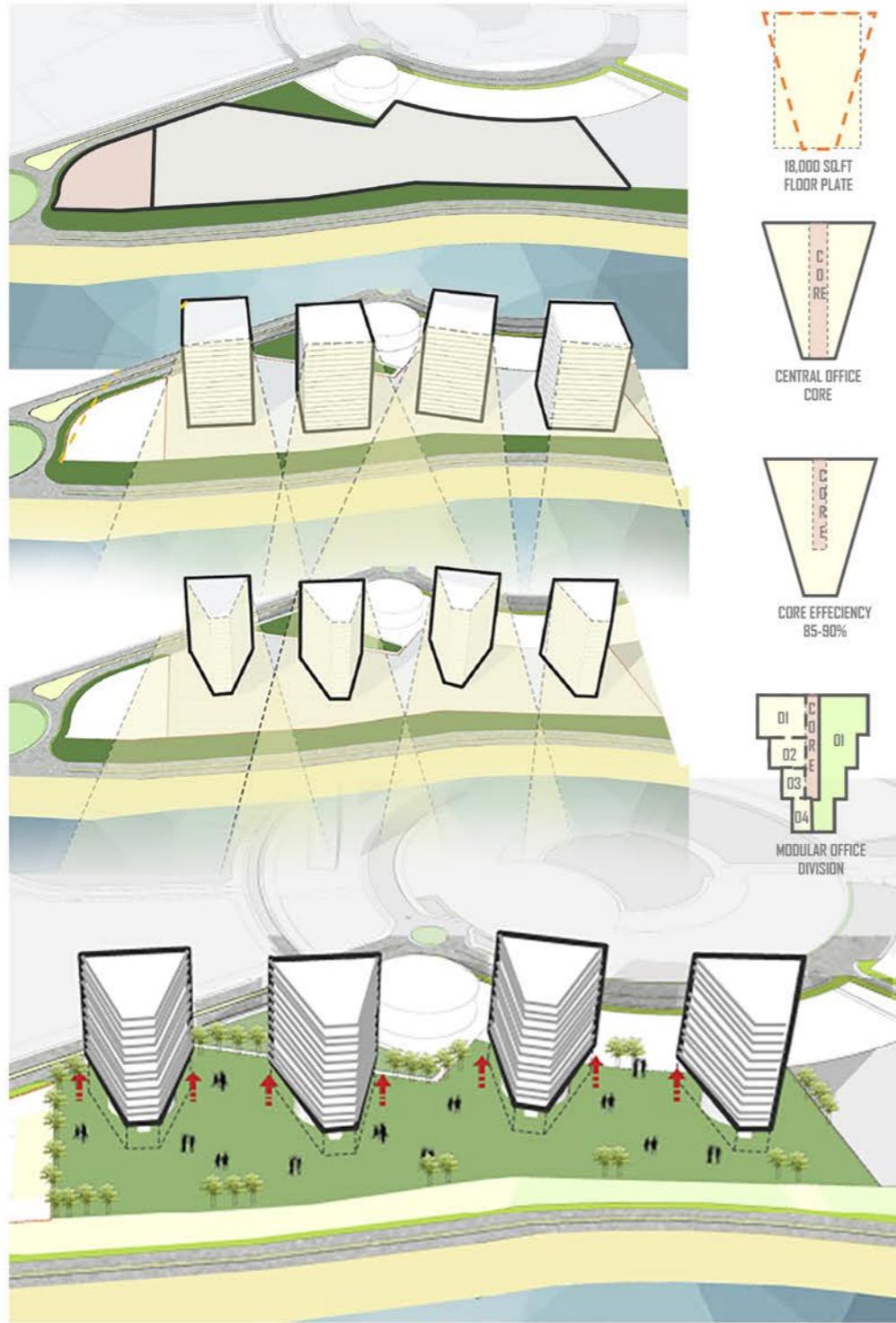


Human Centric Design methods



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 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



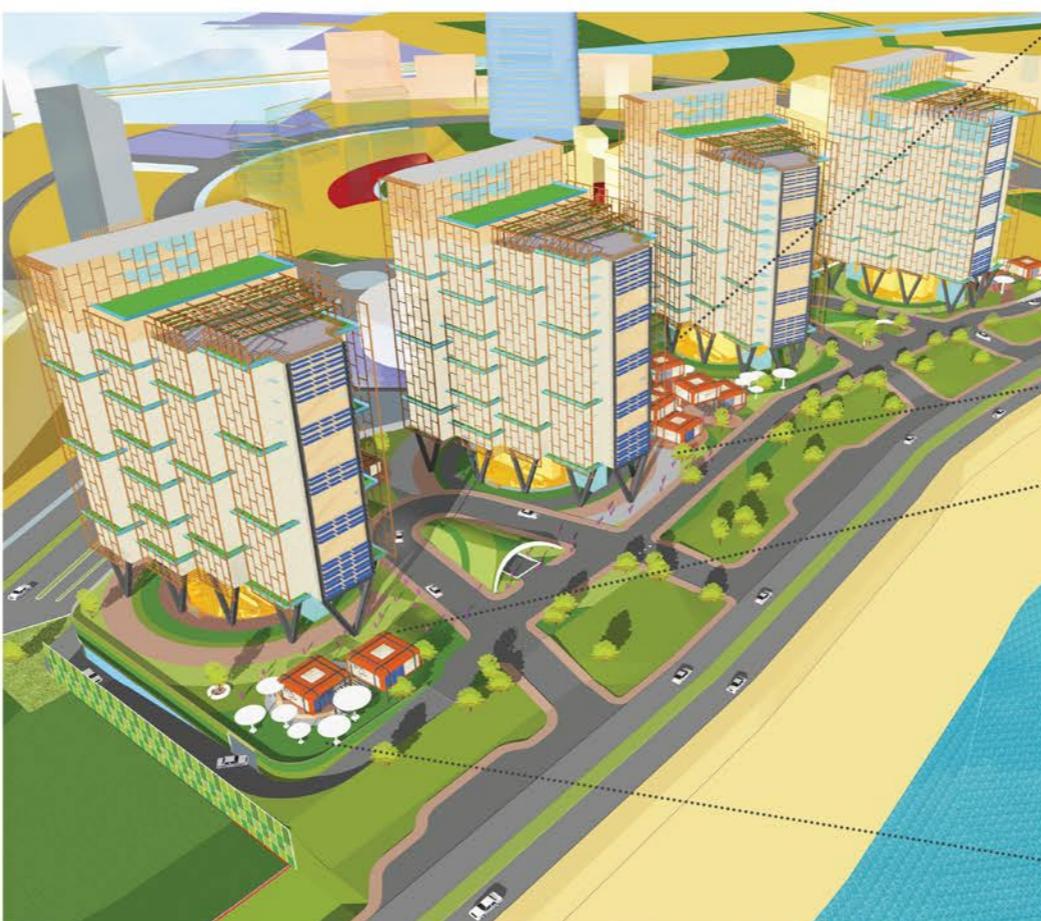
Typical Building Section



SITE PLAN AT GROUND LEVEL



ANOTHER OPTION BY COMBINING 2 BUILDINGS REDUCING FOOTPRINT AREA



FN&B & RETAIL SPACES



FnB & 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.

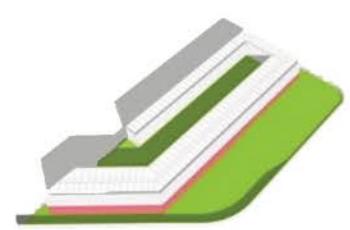
My ROLE: I was co-leading the project under the associates guidance. I handled the planning, brainstormed 3D, elevation and landscape ideas and the overall coordination making sure everything was upto the mark.

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

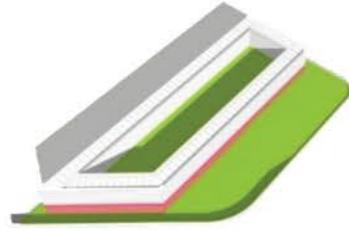
GUIDED BY: Sushant Warape



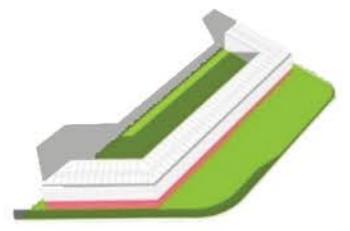
Massing Study



COMBINATION OF DOUBLY LOADED AND SINGLY LOADED ROOMS



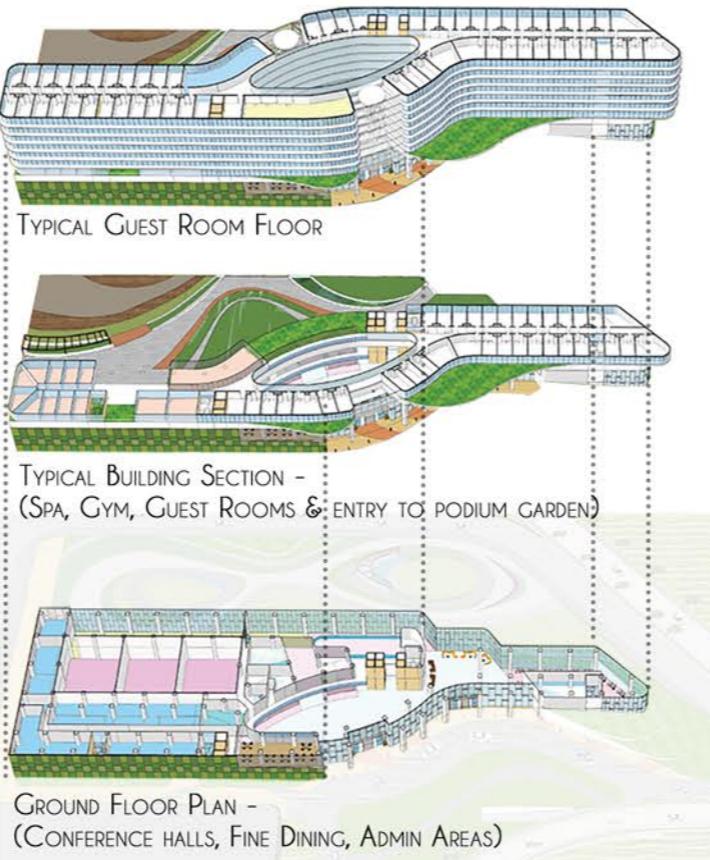
SINGLY LOADED ROOMS WITH A CENTRAL CORE



DOUBLY LOADED ROOMS WITH OPEN FRONT



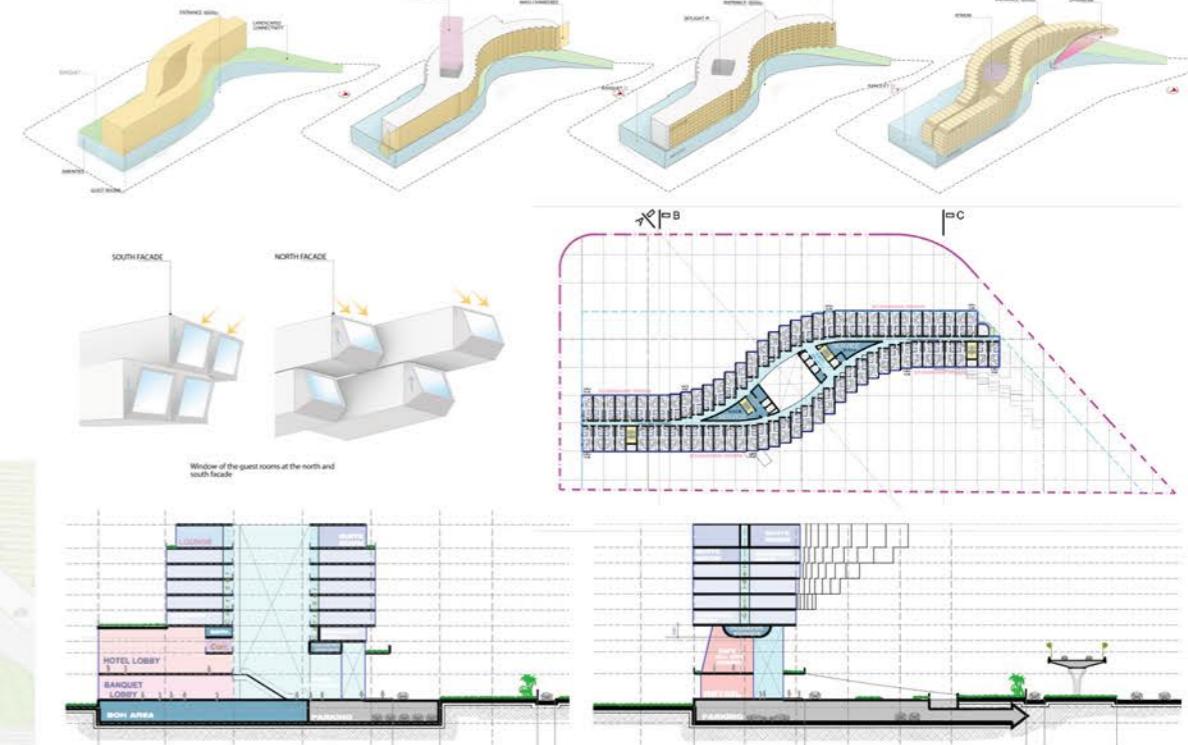
MAXIMUM NUMBER OF DOUBLY LOADED ROOMS



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



Alternate option evolved from original option



HOTEL 1905 AT NEPAL

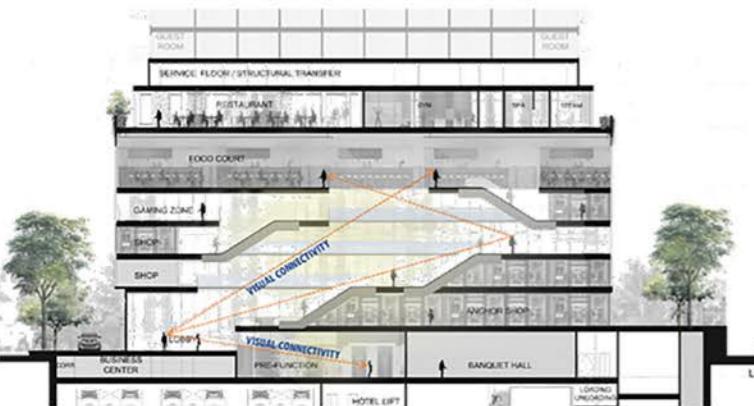
Professional Project

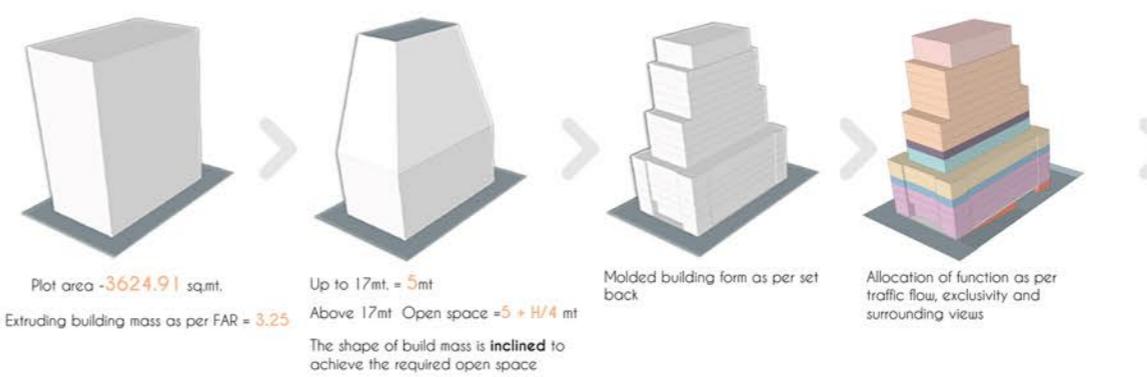
The Hotel 1905 is designed on a plot of 1325 sqm in Kathmandu, Nepal. The hotel complex required the following functions to be designed as a part of the mixed-use complex space for retail outlets, offices, eateries, cinema, and a 5 star rated hotel which could be leased to Taj or Sofitel. The requirement 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





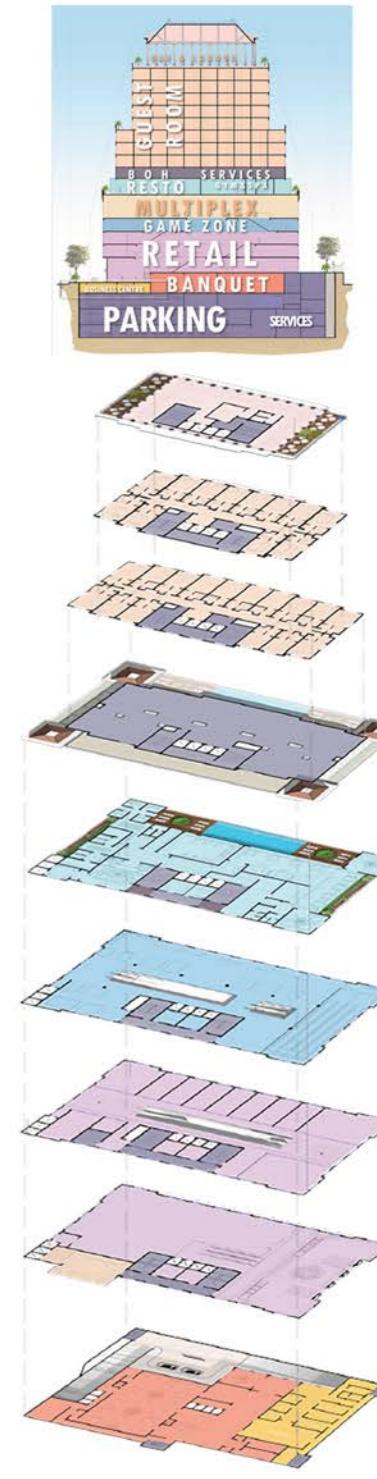
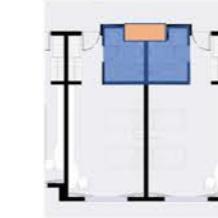
Doubly Loaded Corridor

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.



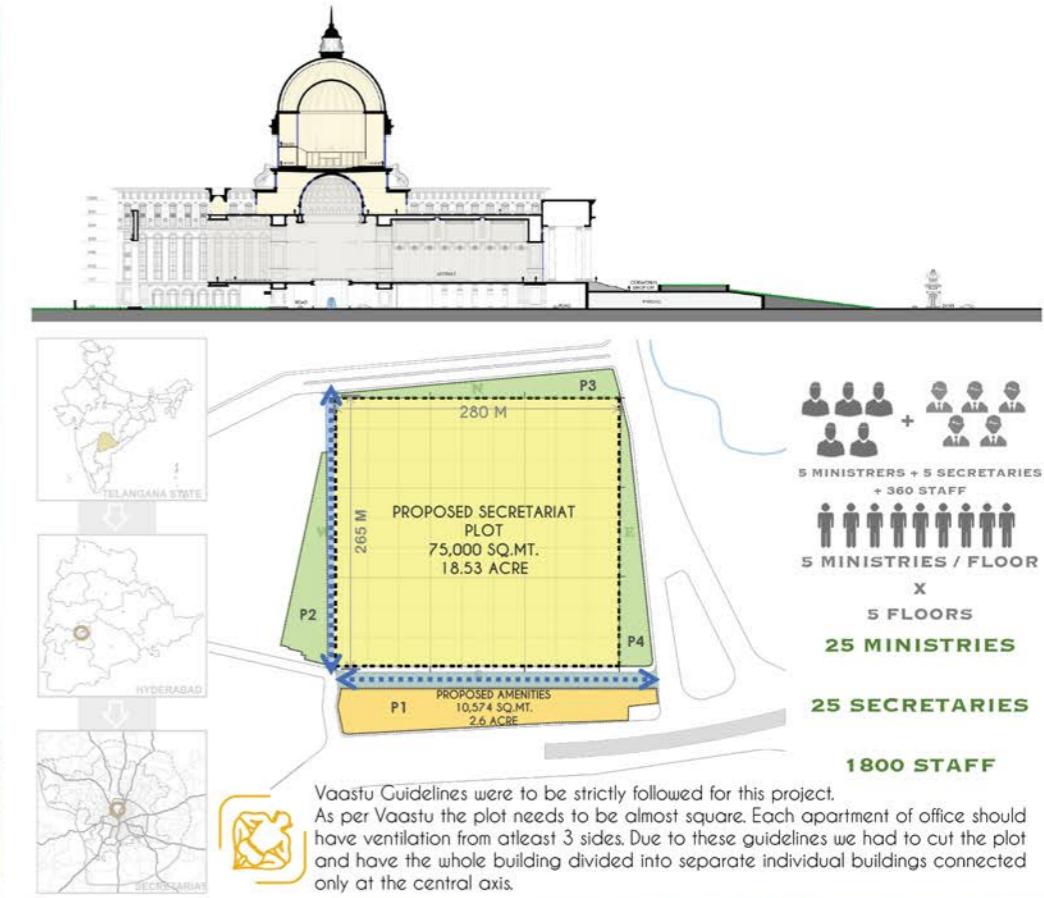


TELANGANA SECRETARIATE

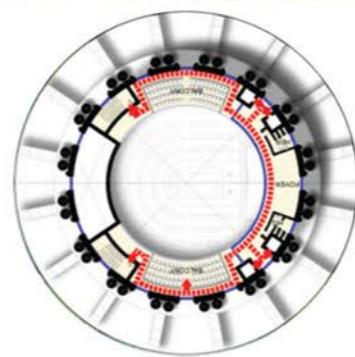
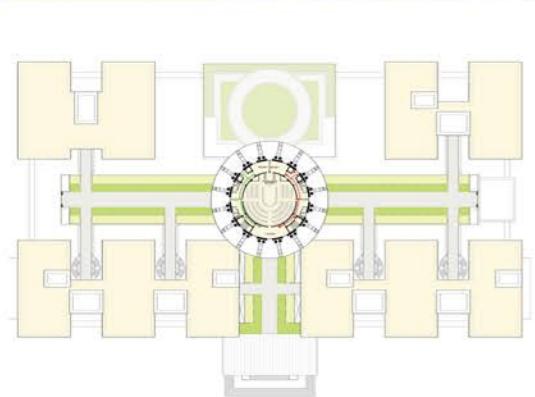
The secretariate building was one of the most prestigious buildings for our office. We designed it in classical aesthetic as it was a government building. Owing to its magnanimous scale and prestige more than half of the plot was landscaped appreciation space, below which we provided VIP Parking. Most 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.

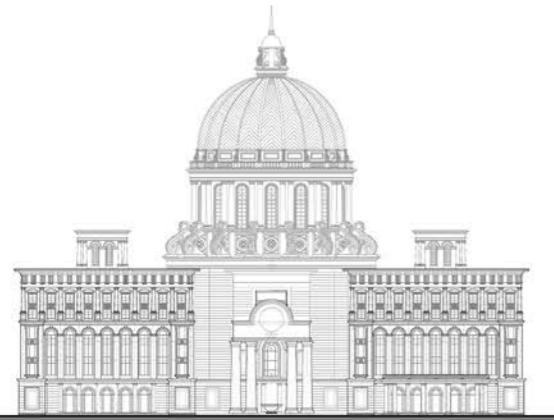
TEAM: Harshad, Delnaaz, Rizwan, GUIDED BY: Sushant Warape



Professional Project



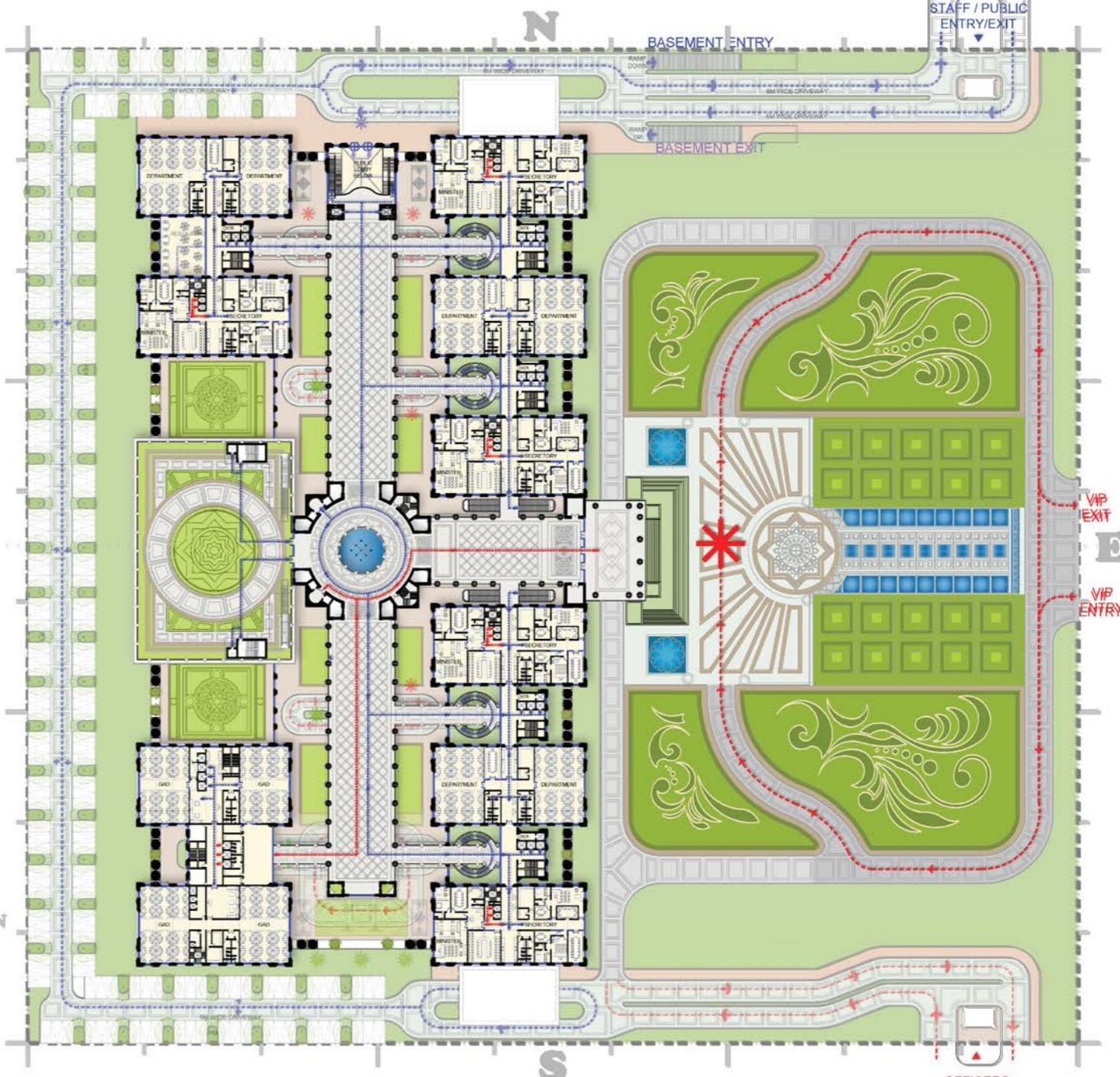
Assembly Auditorium in the Dome.



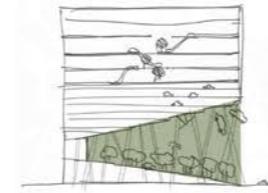
Side Elevation



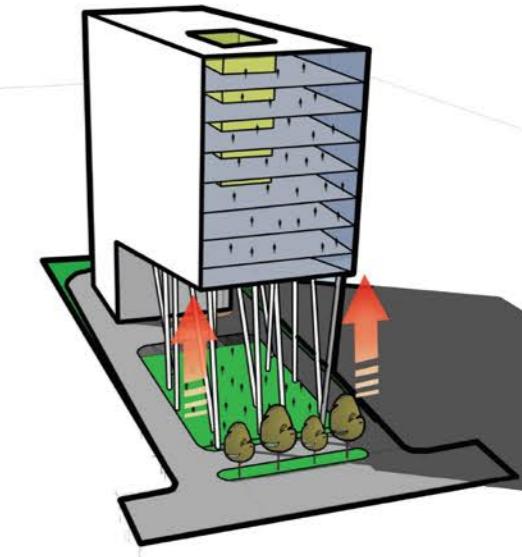
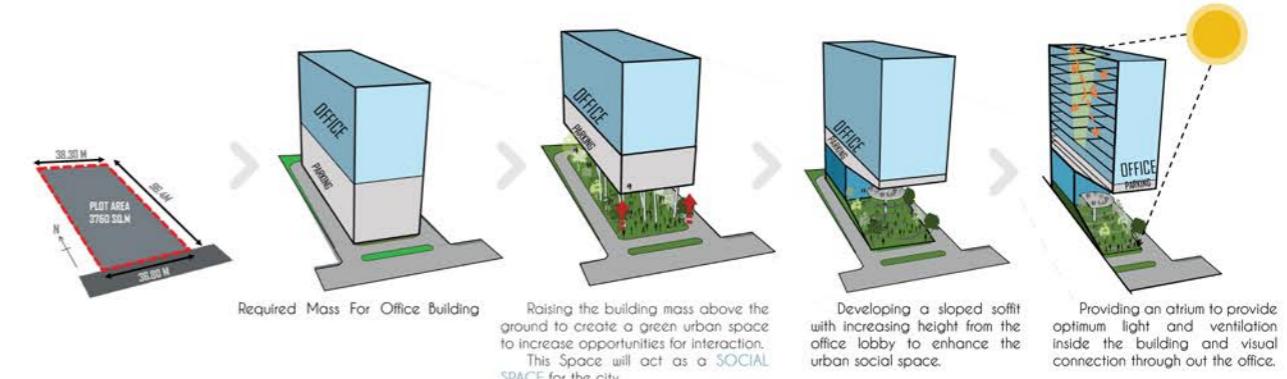
CMO Office Floor



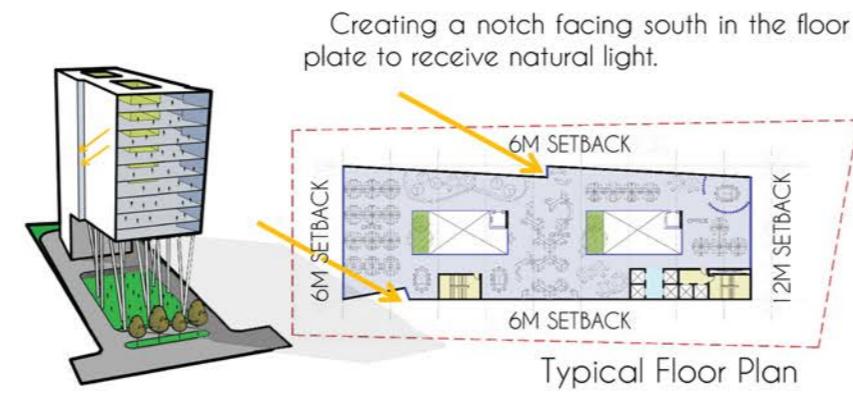
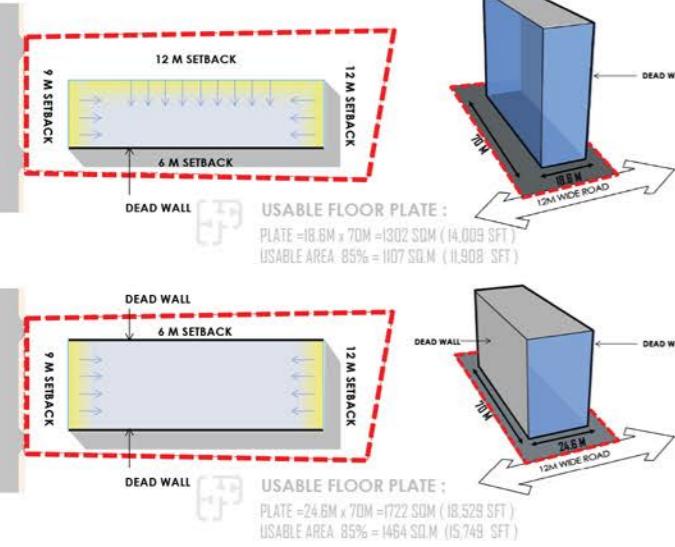
TATA MOTORS HEAD OFFICE



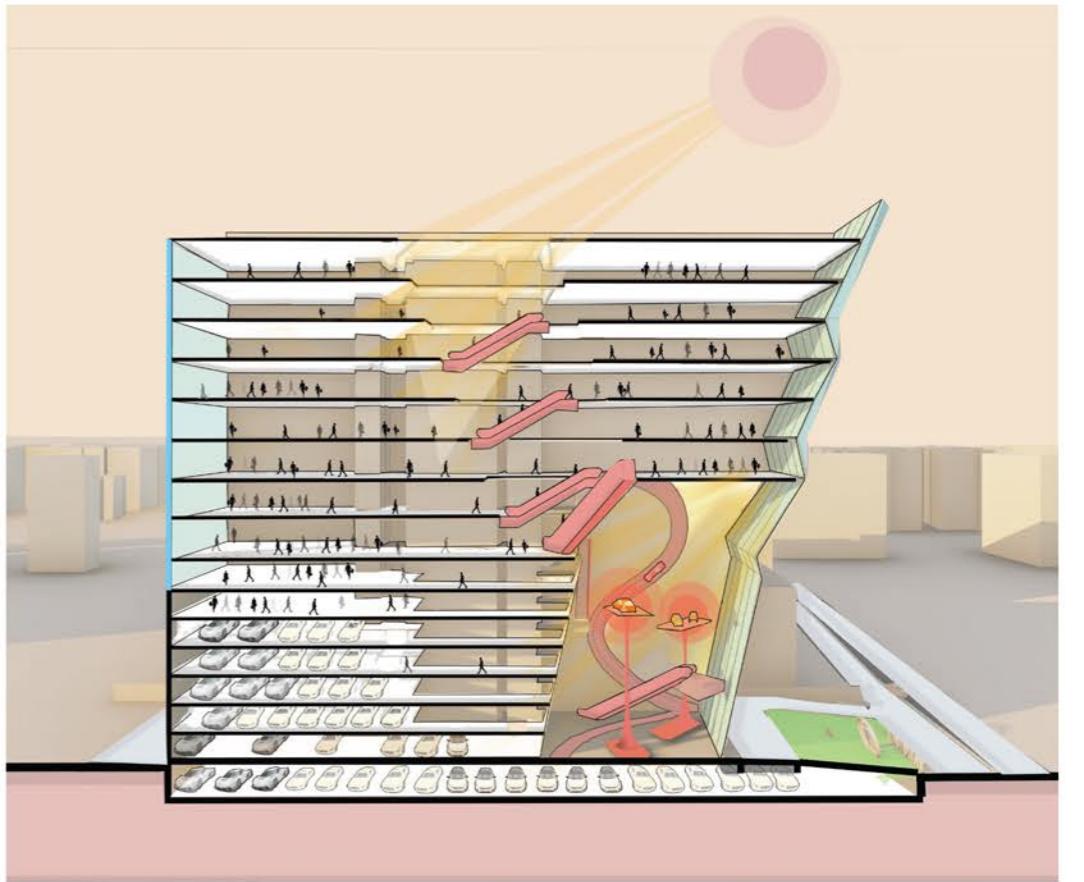
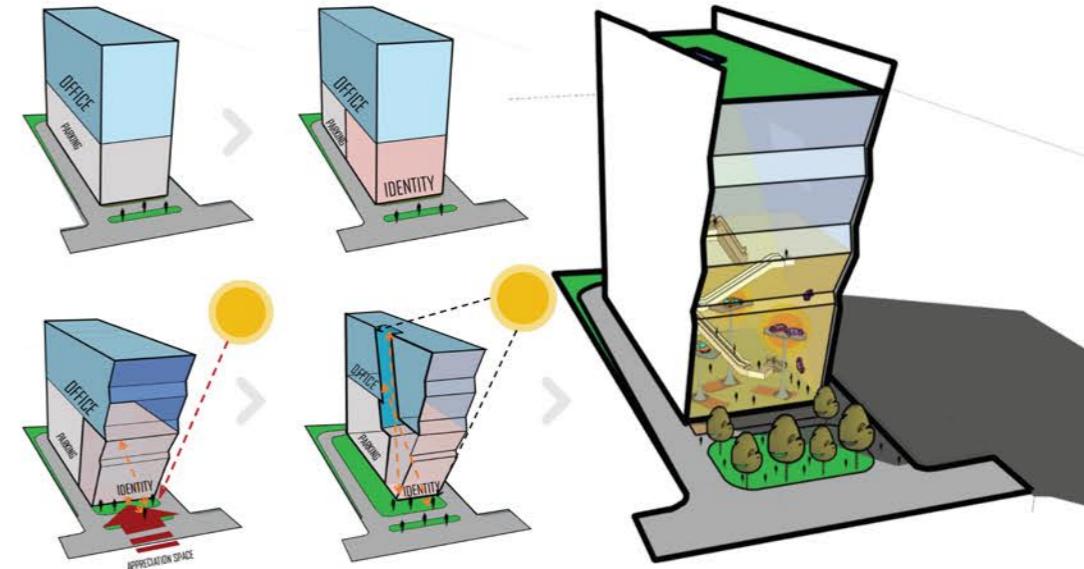
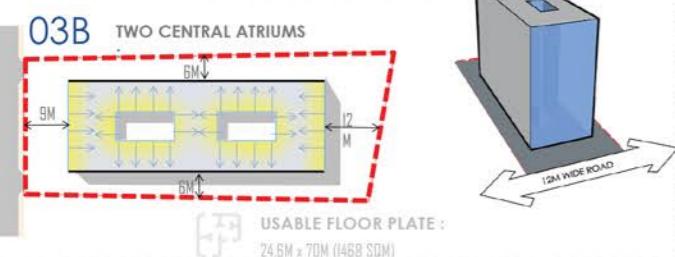
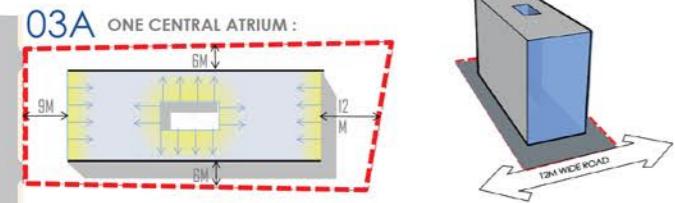
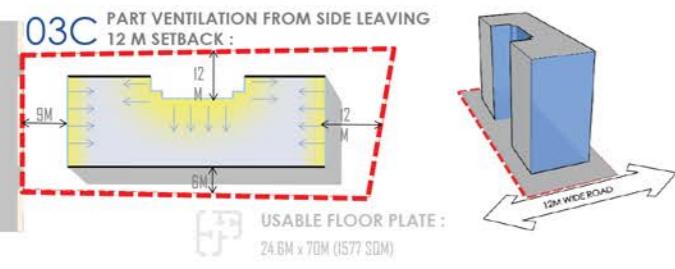
We wanted to do something out of the box for Tata Motors to help them create an identity in Mumbai with their new building. After the massing study and finalization of the plan we ideated 2 options The Urban Social and Identity.



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

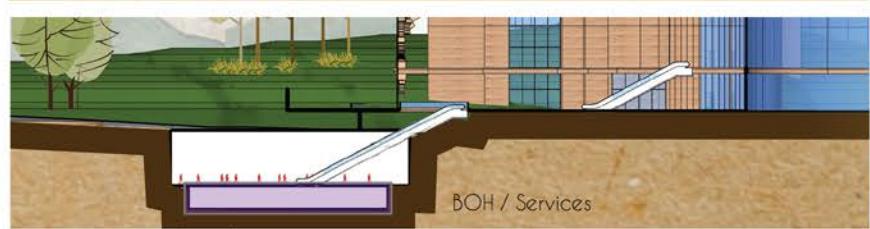
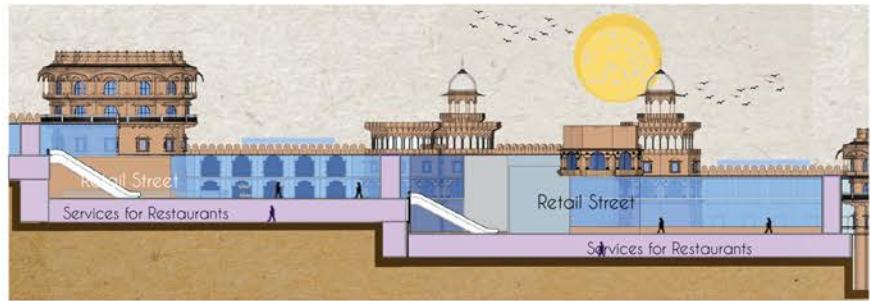
A luxury hotel with **5000 keys** was supposed to be designed at a river bank for the government on a **52 acre** plot. We did a lot of study and decided to make just one building as it decreases the footprint of the building. Other amenities like retail, restaurants, etc were also provided. We also 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

OP1

Single Block
Ground Cover = 3924 sqm
84-92 Rooms/ Floor
55 floors
5000 Rooms



OP2

3 Blocks
Ground Cover = 8992 Sqm
20 floors - 75 Rooms
=1500 x 2 blocks
= 3000
5000 rooms



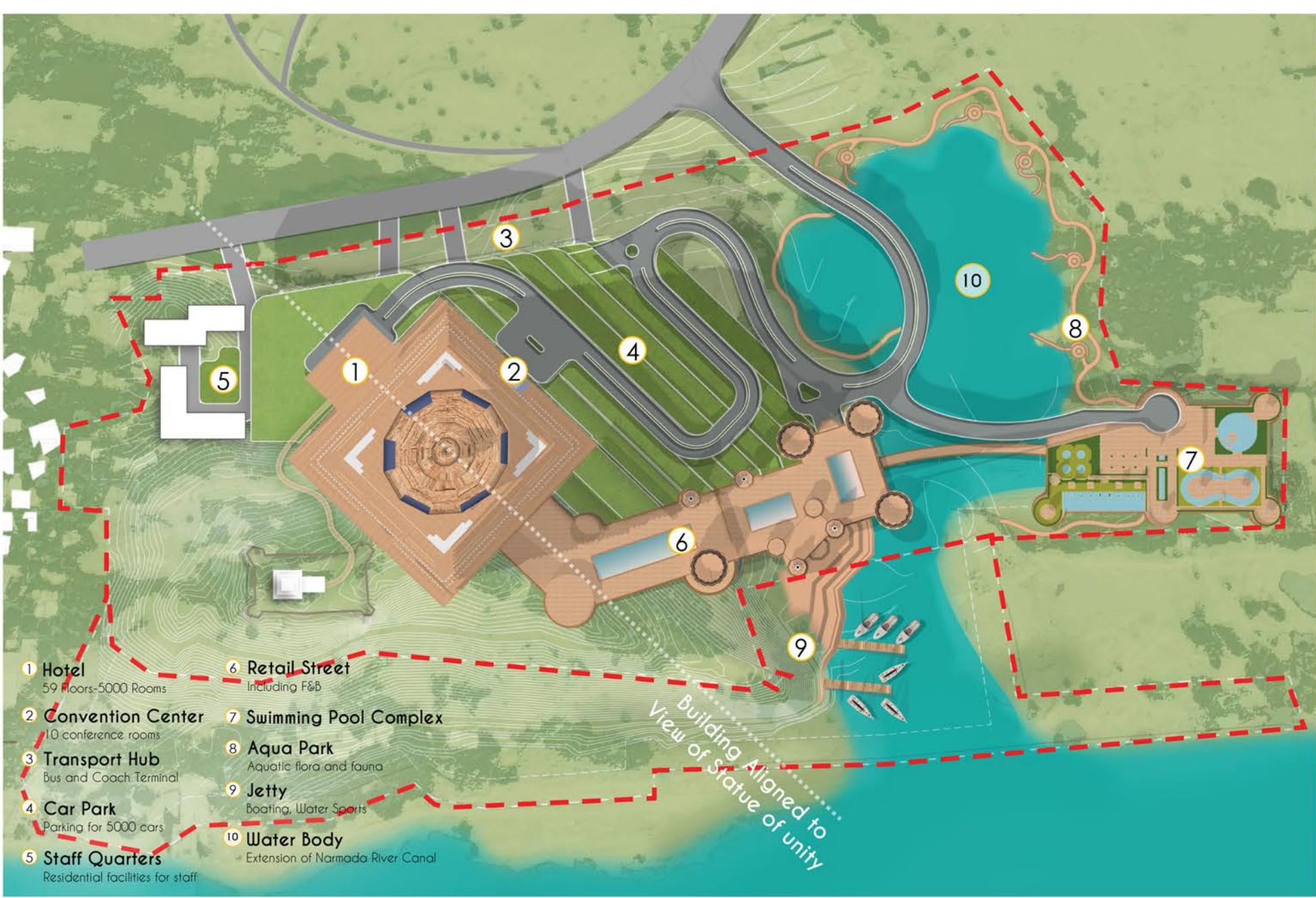
OP3

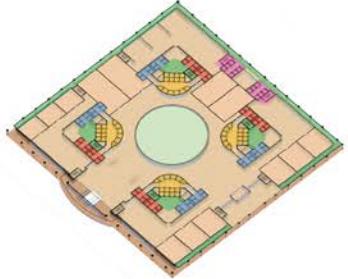
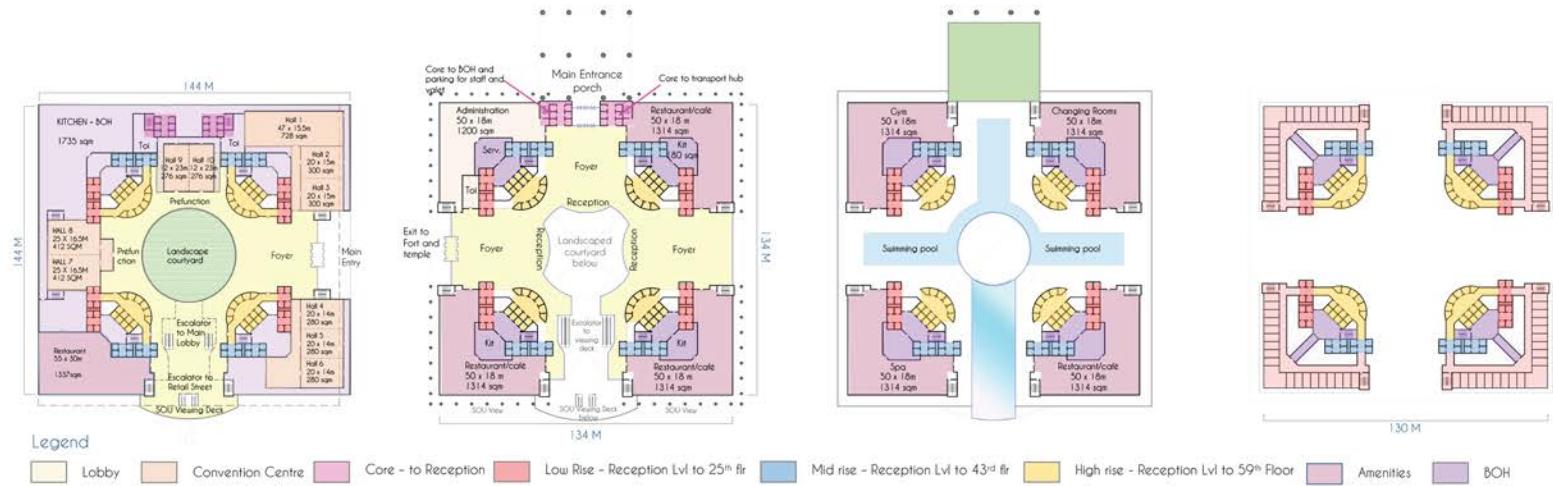
9 Blocks
Ground Cover = 14760 sqm
50 Rooms/ Floor
12 floors x 9 blocks
5000 Rooms



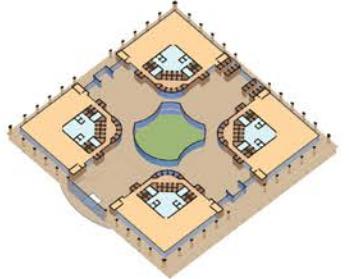
OP4

13 Blocks
Ground Cover = 13390 sqm
30 Rooms/ Floor
13 floors x 13 blocks
5000 Rooms

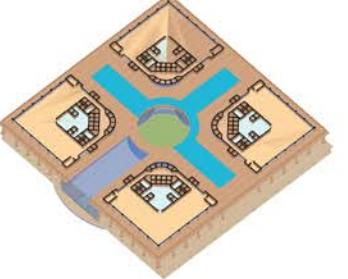




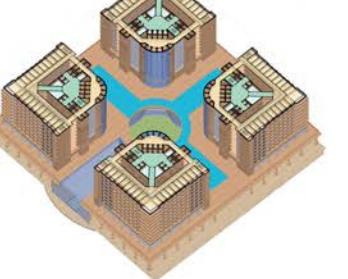
Convention Center _ +80m Lvl



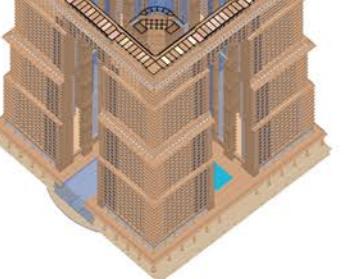
Hotel Entry - Reception _



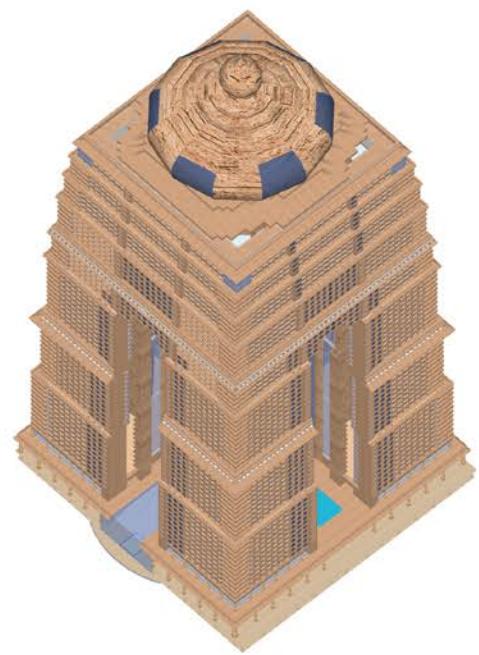
Swimming pool, Clubhouse



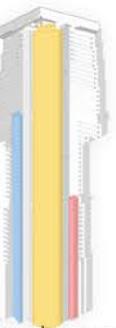
Typical Guest Room Floor



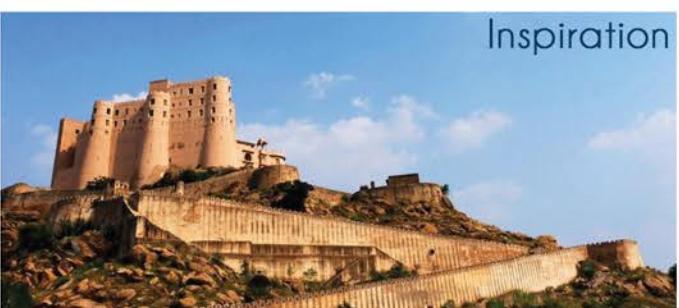
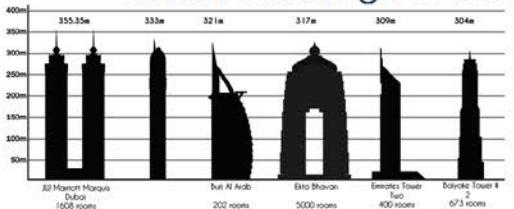
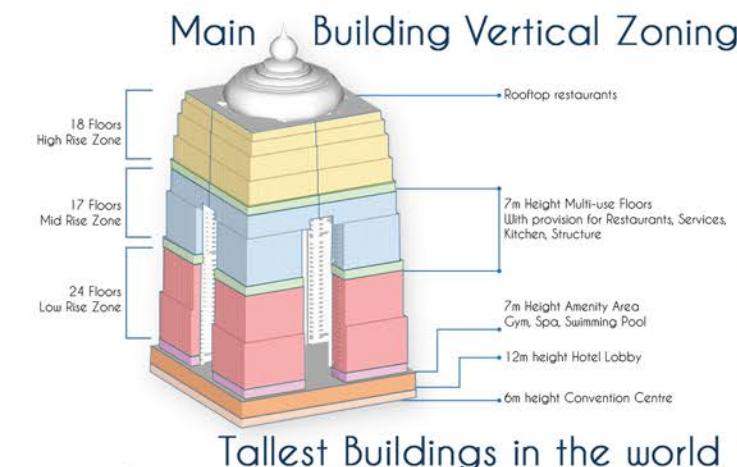
Typical Guest Room Floor



Managing Circulation & reducing lift wait time



Each Core designed for
faster and efficient
circulation



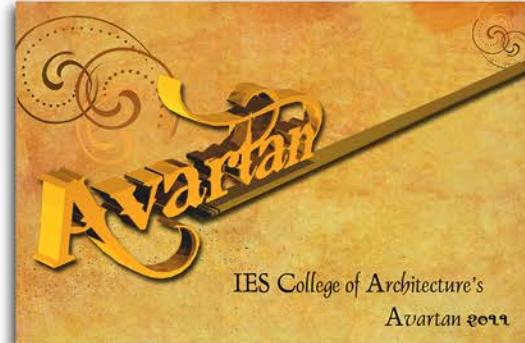
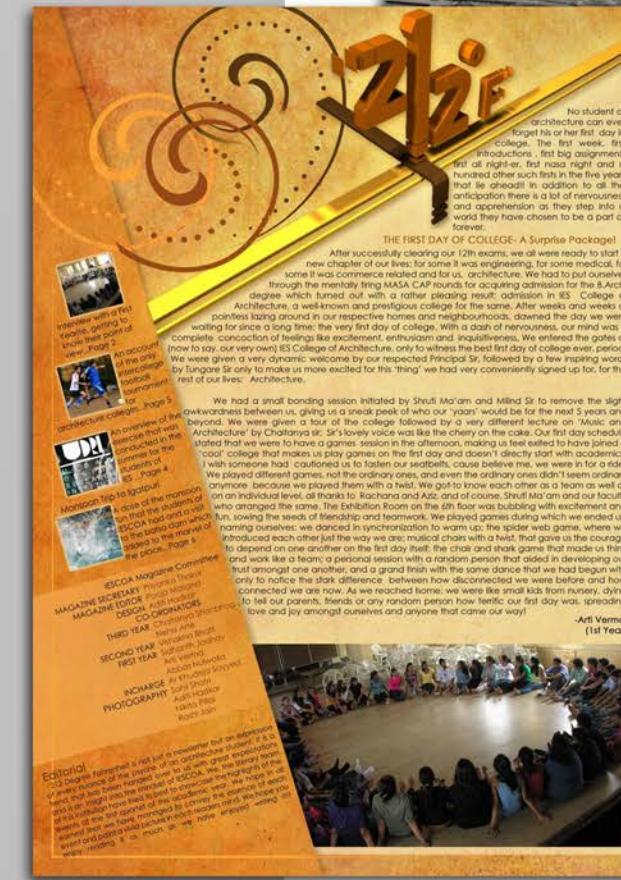
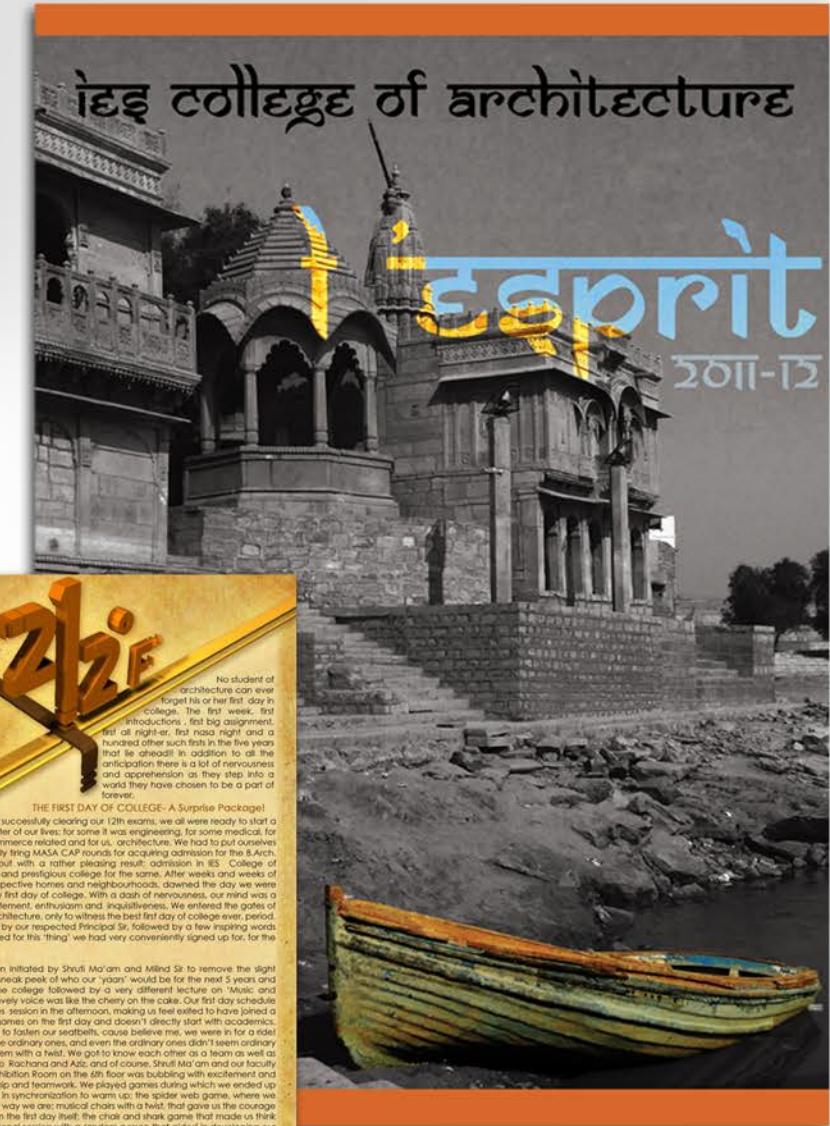
Inspiration



DESIGN SKILLS

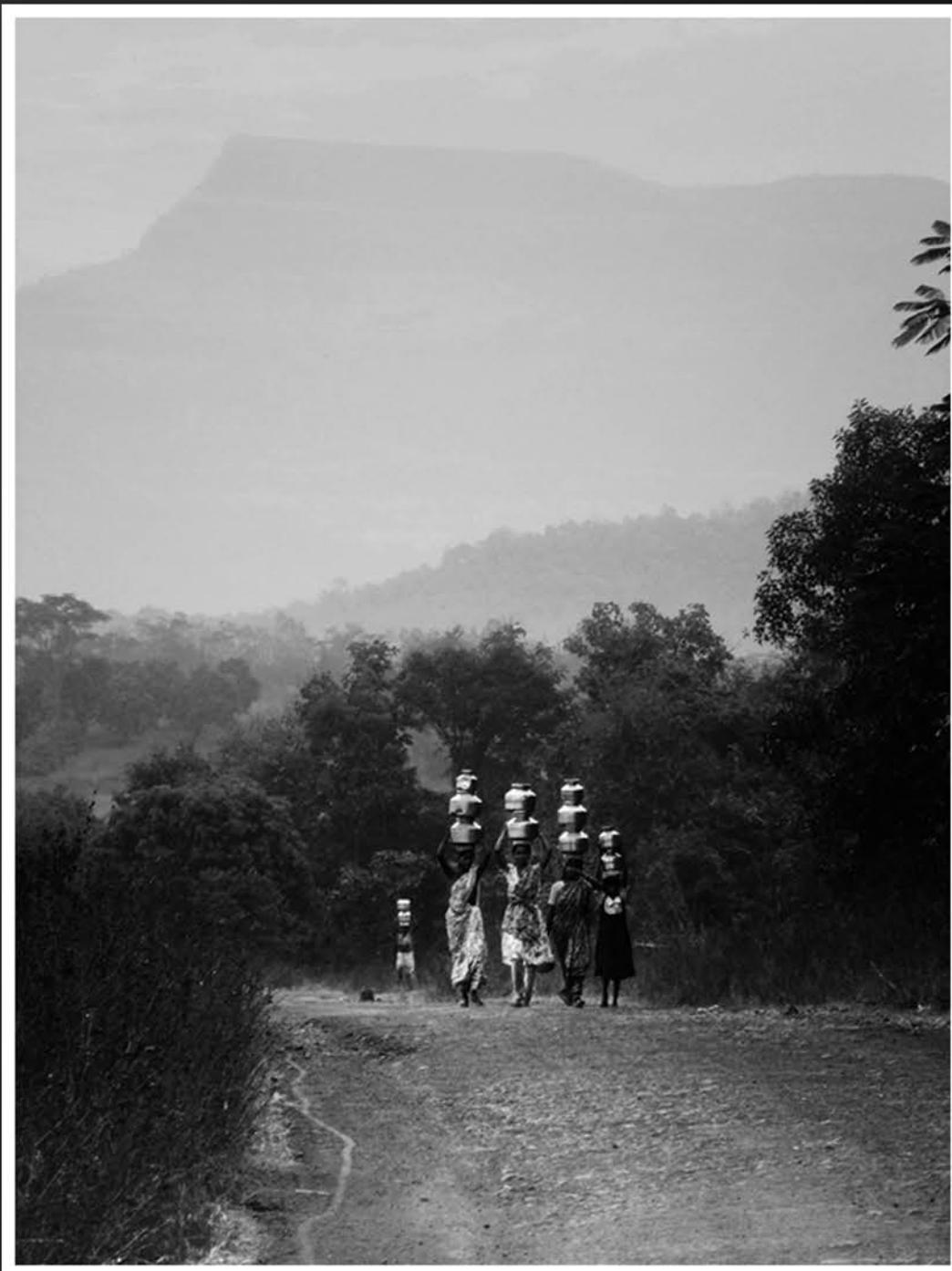


APP ICONS & LOGOS
TAROT CARDS
MAGAZINE
INVITES



IES College of Architecture's
Avartan 2011





Aditi Hadkar
PROJECT ARCHITECT

Thank you