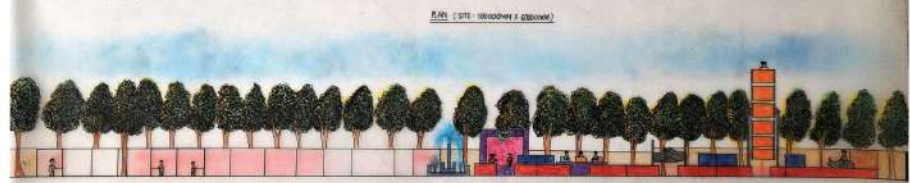
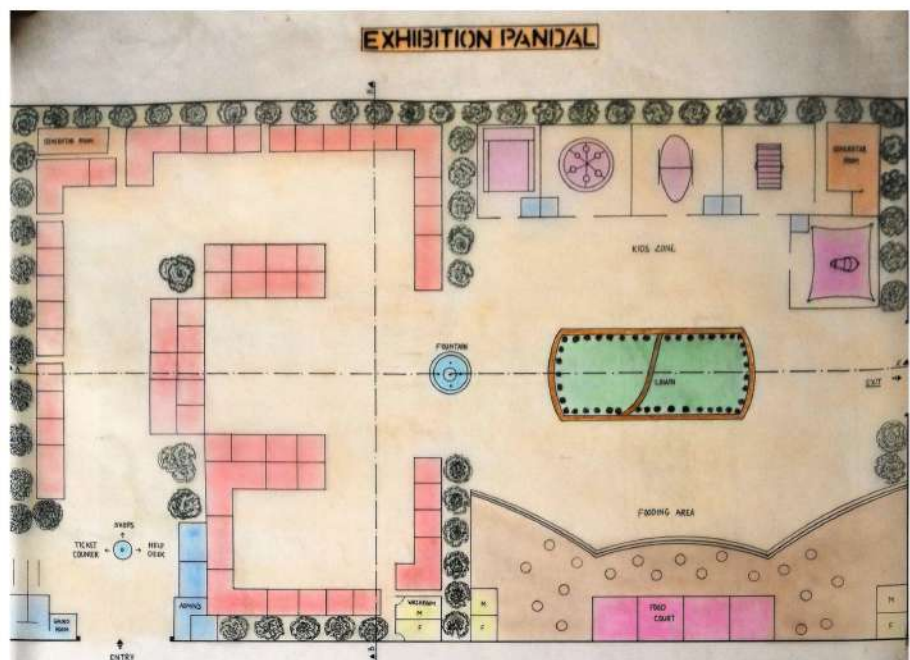
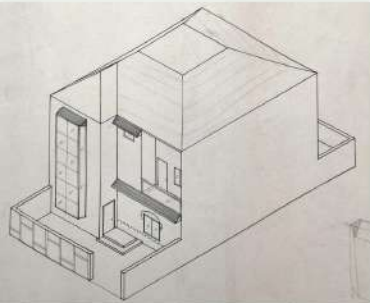
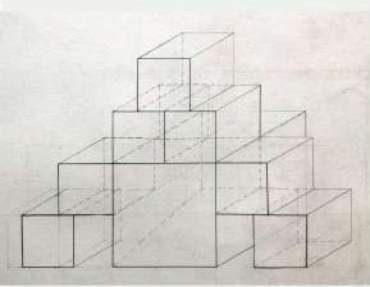
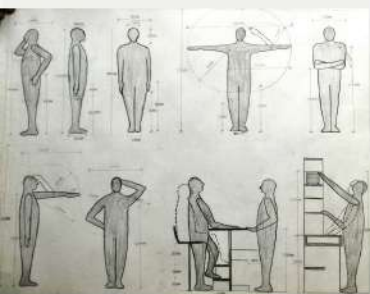




architectural | ESHAN VAISHY
PORTFOLIO

ACADMIC PROJECTS
Hand Drafted

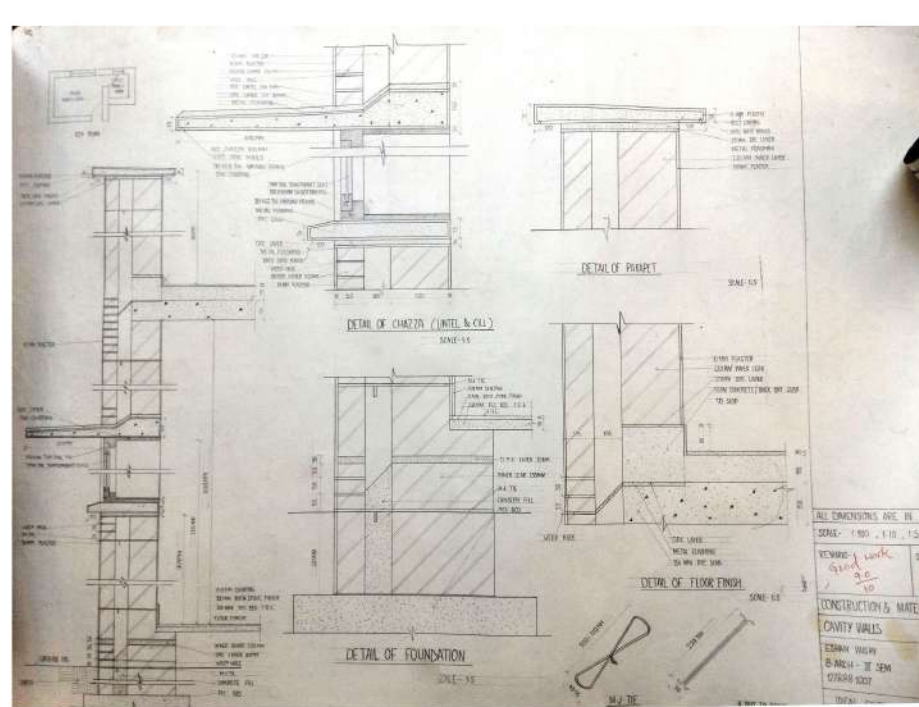
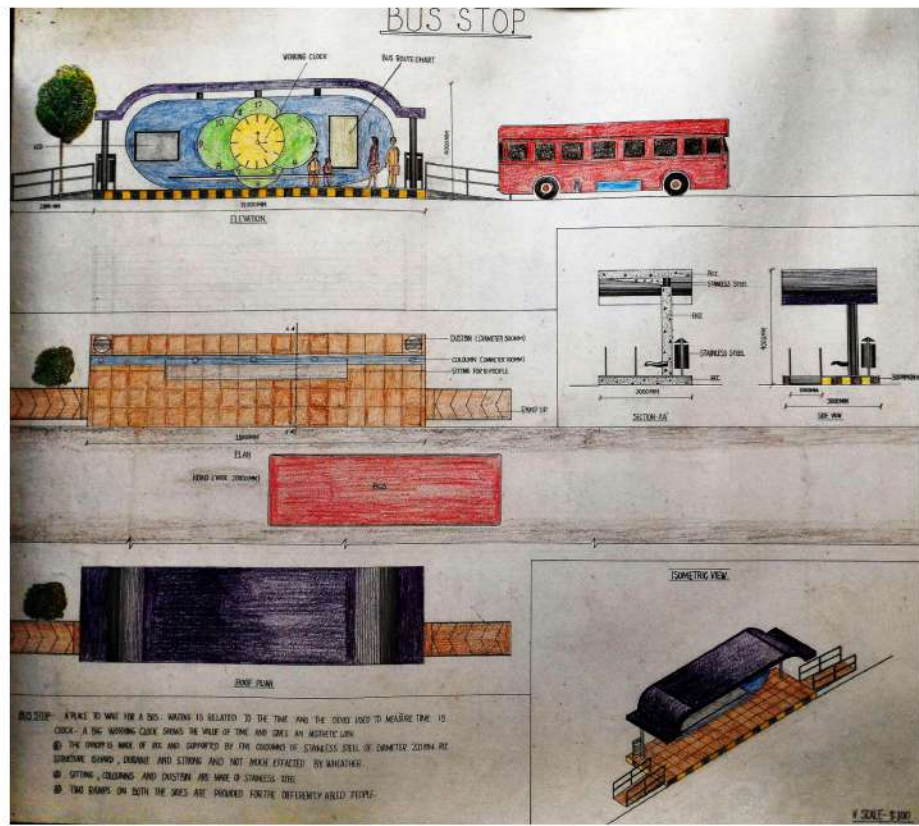
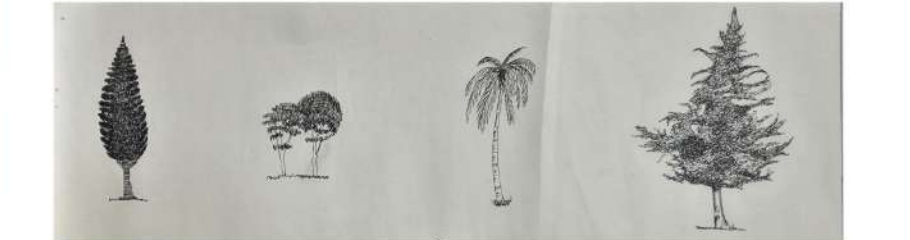


EXHIBITION PANDAL - PANDAL IS A TEMPORARY STRUCTURE IN ANY OPEN AREA, AND THIS TEMPORARY STRUCTURE MAY BE MADE OF SHAPED, CLOTHES OR WOOD. IT IS GROUP OF SHOPS, DIFFERENT TYPES OF SHOPS, AND IT IS USED FOR ANY TYPE OF EXHIBITION, OR ANY TYPE OF 'MELA'.
 IN MY DESIGN OF EXHIBITION PANDAL, I GAVE THE ENTRANCE FROM THE SHOP SIDE OF 1000MM AND THERE ARE SECURITY GUARD ROOM, TICKET COUNTER, HELPDESK, AND ADMIN OFFICE. I HAVE GIVEN 2 SEPARATE ROOM FOR THE ELECTRIC SUPPLY, 3 DIFFERENT WASHROOMS FOR MALE AND FEMALE, A KIDS ZONE AND FOOD COURT ALSO LIGHTING FOUNTAIN AND LANDSCAPING IS THE EXTRA PROMINENT FEATURES.

SUBMITTED BY-
 • ESHAN VISHY
 • BARCHH - I, J, SEM
 • 2024

GUIDED BY-
 DR. RAHUL ALAM

EXHIBITION PANDAL



ALL DIMENSIONS ARE IN MM
 SCALE - 1:500 - 1:10 - 1:5
 REMARK: Work done on 20/10/24
 CONSTRUCTION & MATERIALS
 CAVITY WALLS
 EXTERIOR WALLS
 BARCHH - I, SEM
 2024

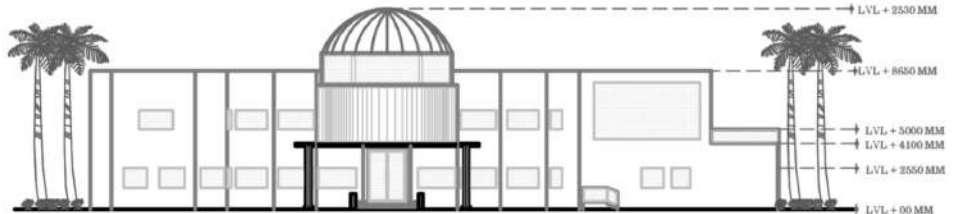
CLUB HOUSE

This is a public space, where all community members gather for group activities, social support, public information, and other amusement and social activities.

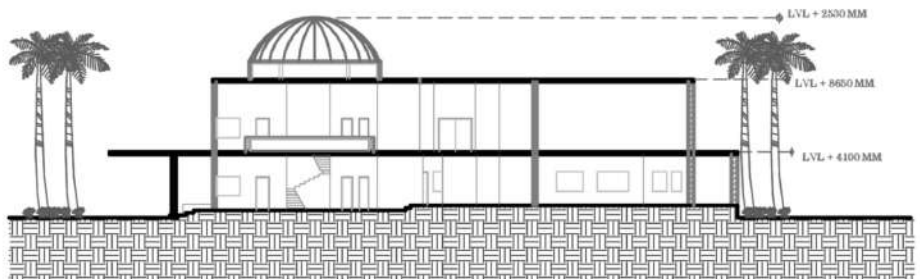
Design Concept

Design is based on Askev theme, inspired from mughal architecture.

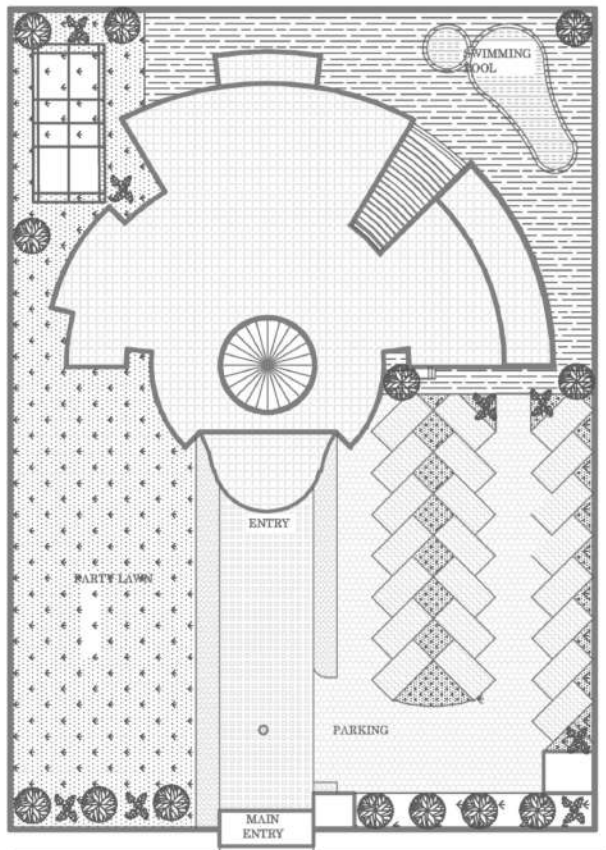
India is the country of diversity, and a club is an association of two or more people united by a common interest or goal. So i want to unite the people by my design.



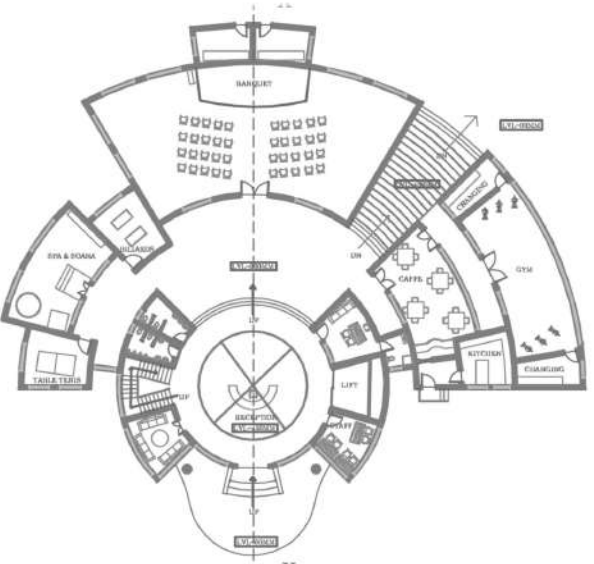
FRONT ELEVATION



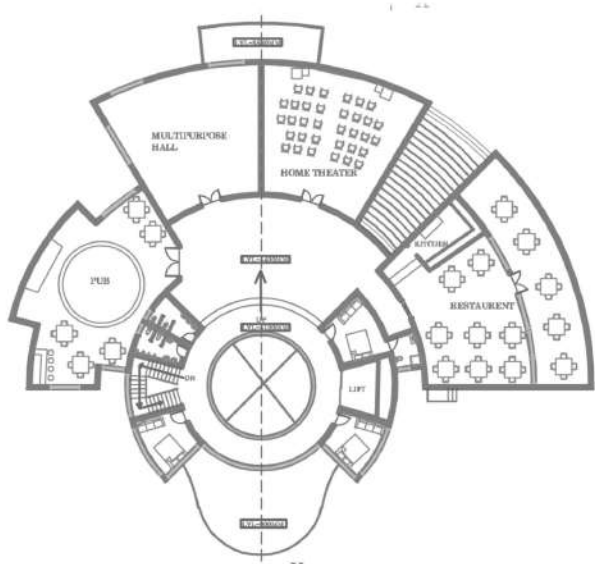
SECTION XX'



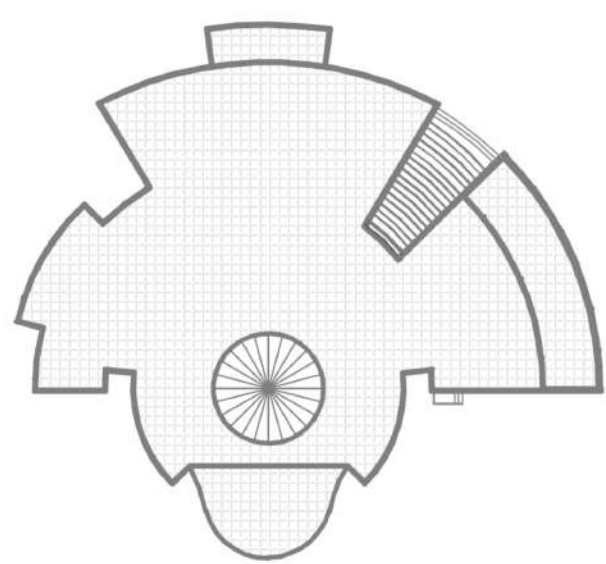
SITE PLAN



GROUND FLOOR PLAN



FIRST FLOOR PLAN



ROOF PLAN

COLLEGE CAMPUS

This is an Architecture College Campus, There was very challenging site for creating the space for students to study and hangout.

Design Concept

Design is Function based and circulation.



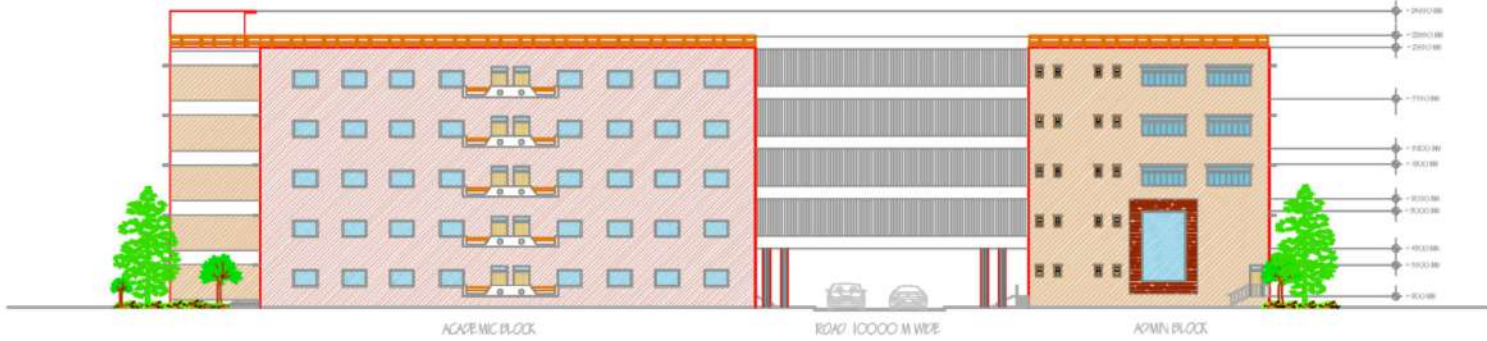
- SITE AREA = 41060 SQ. M
- MAX. GROUND COVERAGE = 30%
- ARCHIVED GROUND COVERAGE = 29.54%
- BUILT UP AREA = 50742.1 SQ. M
- MAXIMUM FLOOR AREA RATIO (F.A.R.) = 1.50
- ARCHIVED FLOOR AREA RATIO (F.A.R.) = 1.23
- PARKING = 2244 SQ. M

By this project I understand the designing a big space in different climatic conditions an gently rolling contours. There is also a 9 m deep ditch which i have used as a part of landscaping and water body for the nice view from hostel and cultural complex.

This college is designed for 600 graduation students and 120 post graduation students. All the facilities are provided under the norms of COA and AICTE.

COLLEGE CAMPUS

This is an Architecture College Campus, There was very challenging site for creating the space for students to study and hangout.



SIDE ELEVATION OF ADMIN AND ACADEMIC BLOCK

My design is inspired from the BAHUIS College in Dessau. Both buildings are connected through portico. That is also worked as bridge for both buildings. I gave the Director and Dean's office on 1st floor so that they can be connected through academic block directly. This bridge connects the students and faculty to the director and dean.

In Admin building first two floors are of administrative and upper three floors of post graduation courses.

This college is designed for 600 students of Graduation and 120 of Post Graduation and all the facilities are provided under the norms of COA and AICTE .



SECTION OF ADMIN BLOCK



SECTION OF ACADEMIC BLOCK

HOSPITAL

There is acadmic project of general hospital of 100 bed. Site was located is in Shastri Nagar, Ghaziabad.

DESIGN CONCEPT

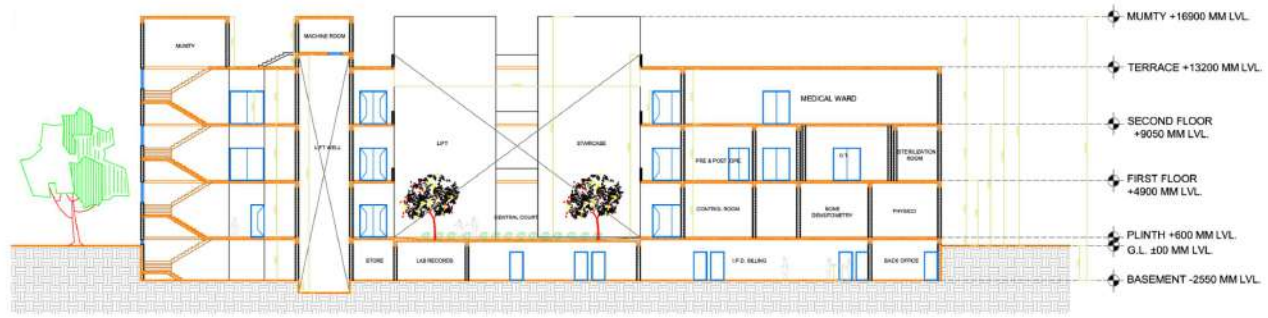
This is function oriented design. Design is circulation based.



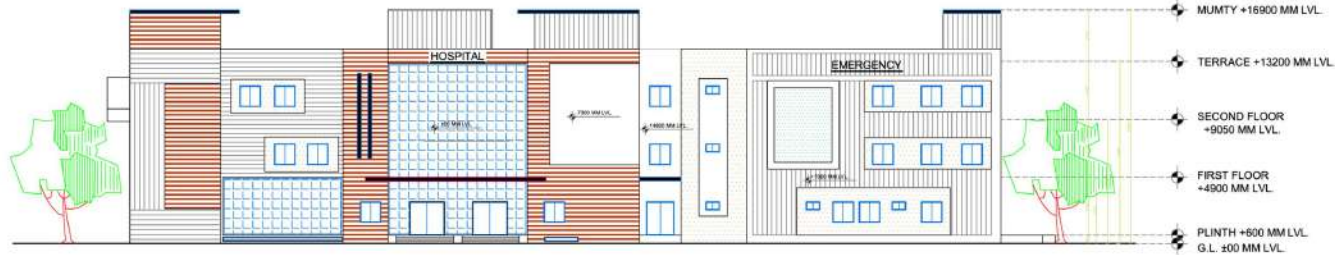
FIRST FLOOR PLAN



SECOND FLOOR PLAN



SECTIONAL ELEVATION



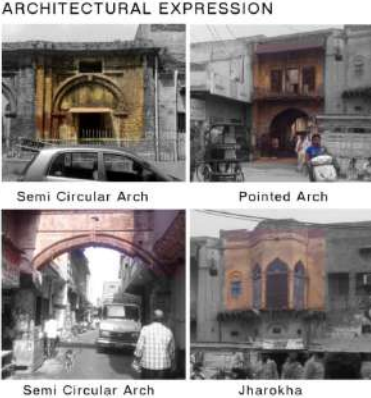
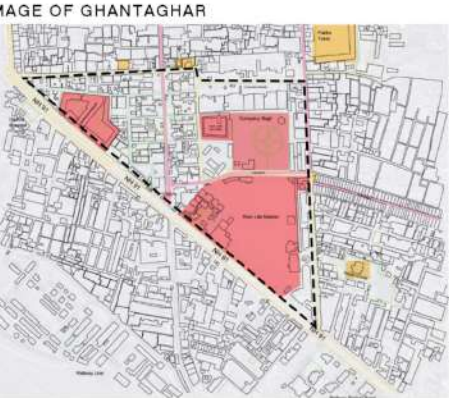
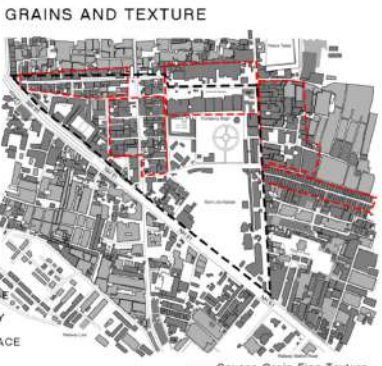
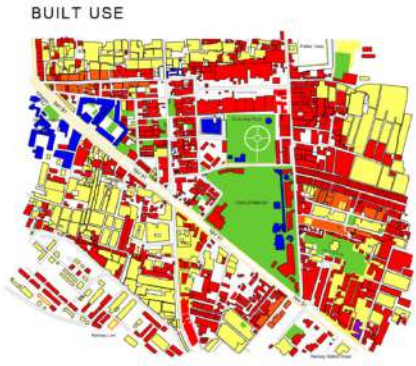
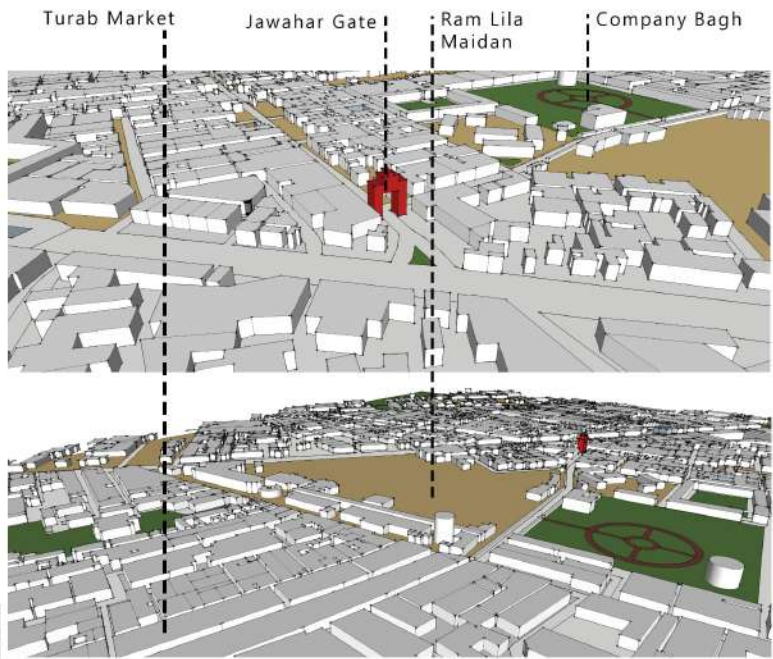
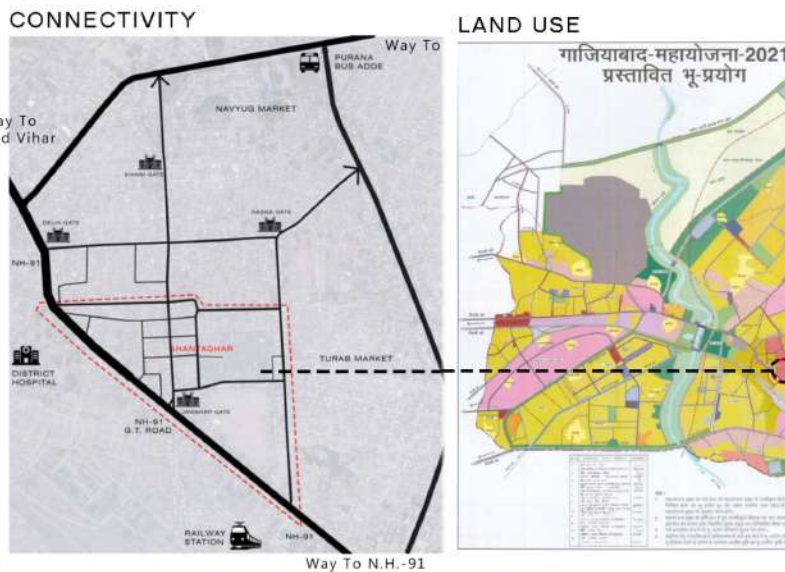
FRONT ELEVATION

URBAN DESIGN

There is Urban design study, (area study, population, issues, solutions) on Ghantaghar region in Ghaziabad. There is study of Morphology of Ghantaghar region.

Urban morphology is the study of the form of human settlements and the process of their formation and transformation. The study seeks to understand the spatial structure and character of a metropolitan area, city, town or village by examining the patterns of its component parts and the process of its development

GHANTAGHAR TIMELINE

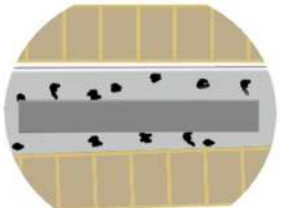


URBAN DESIGN

There is Urban design study, (area study, population, issues, solutions) on Ghantaghar region in Ghaziabad. There is issues identification and solutions of Ghantaghar region.



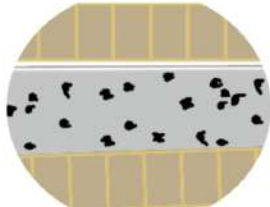
EXISTING STREET VIEW



EXISTING STREET PLAN



PROPOSED STREET VIEW



PROPOSED STREET PLAN



GHANTAGHAR IS MAIN ECONOMIC ZONE OF GHAZIABAD. THIS PLACE HAS ITS HISTORICAL VALUE THAT CANNOT BE CHANGED, BUT WE CAN DEVELOP IT AS COMMERCIAL HUB SO THAT THE VALUE OF GHANTAGHAR MAINTAIN AND INCREASE WITH TIME.



- 1. VENDORS AREA
- 2. COMPANY BAGH
- 3. UNDER GROUND PARKING

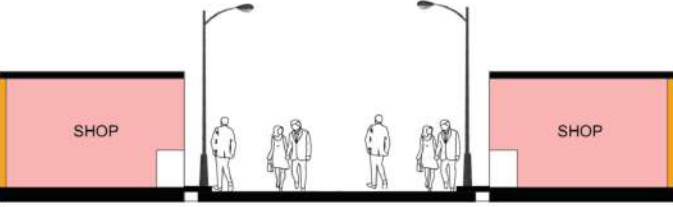


RAM LILA MAIDAN



EXISTING SECTION OF STREET

THERE IS CONGESTION DUE TO VEGETABLE MARKET AT MID OF THE ROAD.



PROPOSED SECTION OF STREET

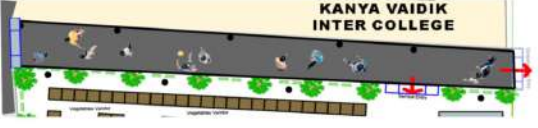


- Vegetable Shops
- Building Block
- Pathway
- Food Court
- Green Area
- Toilet
- Clothes Shops

PROPOSED VEGETABLES MARKET

- VEGETABLES VENDORS (1765 SHOPS, 9M' EACH)
- STREET FOOD SHOPS (30M')
- FRUITS VENDORS (30 SHOPS-9M', 32 SHOPS-20M')

PROPOSED ROAD FOR SERVICE ENTRY AND USABLE FOR PEDESTRIANS, CONNECTING TO VEGETABLE MARKET, SCHOOL AND COMPANY BAGH

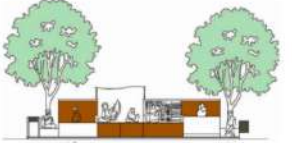
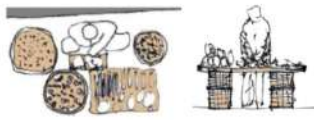


MARKET SPACE



EXISTING ROAD CONDITION

VEGETABLES VENDORS



ELEVATION



SECTION



PROPOSED VEGETABLE MARKET VIEW



LIBRARY

COMPANY BAGH

PROPOSED VEGETABLES MARKET STREET

BEFORE OUR PROPOSAL THIS STREET WAS CONGESTED DUE TO LOCAL VENDORS INCLUDING VEGETABLES VENDORS, CLOTH VENDORS, ETC. BUT THESE VENDORS ARE PROVIDED WITH SEPARATED PLACES TO AVOID CONGESTION AND ALLOWS THE FREE MOVEMENT OF PEDESTRIANS. PROPOSED ROAD FOR SERVICE ENTRY AND USEABLE FOR PEDESTRIANS CONNECTING TO VEGETABLES MARKET SCHOOL AND COMPANY BAGH.



SITTING DETAIL



PROPOSED STREET VIEW



PROPOSED ENTRANCE GATE



CLOCK AT THE GATE

URBAN DESIGN

There is proposal for new vegetable market in Ghantaghar region in Ghaziabad. first it was road side and there is lot of traffic problems due to vegetable vendors. In this design there is place designed for vegetable vendors.

DESIGN DEMONSTRATION_Master Plan View and section



PROPOSED PLAN



VIEW



STREET VIEW



FOOD COURT VIEW



SITE SECTION

URBAN AREA

An urban area is a human settlement with high population density and infrastructure of built environment. Urban areas are created through urbanization and are categorized by urban morphology as cities, towns, conurbations or suburbs.



URBAN GROWTH



URBAN SQUARE

URBAN ENTERTAINMENT CENTRE

Urban Entertainment Centre (UEC) can be defined as family-oriented entertainment destinations. These centers combine shopping and recreation with entertainment to form an overall experience. Retail needs entertainment to draw people in and entertainment needs retail to support the overall operation.

UECs are created on the fundamental of partnership between retail and entertainment. Combinations of this partnership provide variations of UECs which can be adopted depending on the culture and heritage of the city.

The components that, typically, form a UEC are as listed below:

- # Movie halls
- # Restaurants
- # Shopping complex
- # Theme parks
- # Walk ways



ILUMA, BUGIS, SINGAPORE



KHAN SHATYR ENTERTAINMENT CENTER

AIM

To provide better entertainment and shopping facilities to the tourists (Both domestic and foreign). I suggest that an integrated system such as the Urban Entertainment Center as a development of the entertainment market in India.

OBJECTIVE

- To understand Economic growth of the city.
- To understand Socio-economic profile (Economic Indicators).
- To understand Resident and Tourist Population.
- To understand the features of Amusement Park.
- To understand the circulation pattern in Entertainment Centre.
- To understand the features of Water Park.

SCOPE

A whole new entertainment projects integrate entertainment with retail, dining sports and cultural facilities to create both a resident and tourist destination. Tourism is a sector which provides one of the highest employment opportunity for every rupee invested. It is a sector that creates self-employment opportunities particularly for unskilled and semi-skilled workers.

METHODOLOGY

- Understanding basic need of design, Data Collection & Analysis
- Site Analysis
- Case study & Lit. Study
- Site zoning & Designing



ABOUT PROJECT

UECs are essentially a converged outgrowth of theme restaurants that increasingly developed their in-house amusement features, small-scale amusement parks needing more offerings than just a few rides and midway games, and diversifying formerly one-attraction venues (water parks, skate parks, billiard halls, bowling alleys, and so on).

Commercial Space at sector 66 beta, SAS Nagar near Airport has also been included in SAS Nagar (Mohali) Project to provide better entertainment and shopping facilities to the tourists (Both domestic and foreign).

SITE INFORMATION

- # Site Area: 15.95 Acres
- # Site Location: Sector66-beta, SAS Nagar, Punjab
- # Project Status: Proposed for Commercial Use



SITE AT MACRO LEVEL



SITE AT MICRO LEVEL

Chandigarh, Mohali are well planned and sector based planned cities. All the entertainment facilities are divided in different sectors, As per Urban growth in India people needs all the facilities at a same place, It will also help in increasing the revenue of the city.

REQUIREMENTS

- # Shopping Area
- # Cinema
- # Restaurants
- # Food Court
- # Amusement Park
- # water park
- # Parking
- # Kiosks/Shops
- # Urban Square
- # Family Park

AMUSEMENT PARK

An Amusement Park or theme park is a group of entertainment attractions, rides, and other events in a location for the enjoyment of large number of people.



WATER RIDES IN ENTERTAINMENT CENTER



DRY RIDES IN ENTERTAINMENT CENTER

SHOPPING COMPLEX

A Shopping Mall shopping precinct or shopping center, in which one or more buildings form a complex of shops representing merchandisers with interconnecting walkways that enable customers to walk from unit to unit. A shopping arcade is a specific form serving the same purpose.



GIP MALL EXTERIOR, NOIDA



GIP MALL ATRIUM, NOIDA

URBAN PLAZA

In modern usage, a plaza can be any gathering place on a street or between buildings, a street intersection with a statue, etc. Today's metropolitan landscapes often incorporate the "plaza" as a design element, or as an outcome of zoning regulations, building budgetary constraints, and the like.



URBAN SQUARE, GIP MALL EXTERIOR, NOIDA



PLAZA MAYOR DE MADRID

WONDERLA PARK, BANGLORE

Wonderla is a synonym to fun and masti since 2005 in Bangalore. Here is where the fun begins for the entire family! Wonderla Bangalore with its 61 thrill packed rides is sure to delight all age groups. It is spread over an area of 82 acres (33 ha).

The park features a wide variety of attractions including some rides, water rides, a musical fountain and laser show, a virtual reality show. **Wonder la has 63 land and water based rides. 11high thrill rides ,14 kids rides, 19 water rides , 17 land rides and 2 high thrill water rides.**



PARK VIEW



WONDER LA PARK, VIEW & FACILITIES, RIDES (source:wonderla.com)



NIGHT VIEW OF PARK TWISTER BANDED KRAITES PIRATE SHIP

FOOTFALL

Daily average footfalls at existing parks is 3,300 whereas the capacity is to entertain 12,000 guests daily. Management expects 7 lac footfalls in first year at an average realization of rs 900.



Plan your visit: People typically spend 45 min to 2.5 hr here

FACILITIES & MAINTENANCE

Wonderla has a team of over 260 technicians who conduct daily, weekly and shutdown maintenance work using various tools like checklists. In order to reduce carbon footprint by conserving conventional energy resources, wonderla uses solar energy to heat water for all water based rides during winter.

Wonderla is one of the only 2 amusement parks in india to implement such safety standards.



It has conference facilities for up to 1,000 persons, and features five restaurants with a total seating capacity of 1,150. It has locker rooms with over 2,350 lockers and restrooms and showers. Wonderla, Bangalore has been ranked 1st in India and 7th best in Asia by Tripadvisor for 2014, the highest for any Amusement park in India.

KHAN SHATYR ENTERTAINMENT CENTER

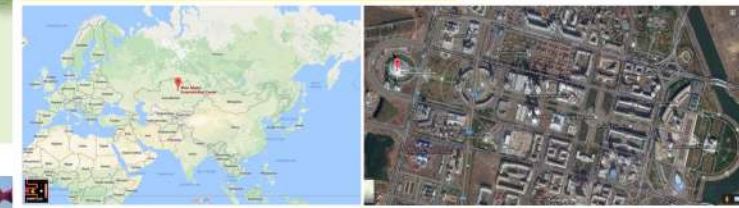
Khan Shatyr is a giant transparent tent in Astana, the capital city of Kazakhstan. Built in a distinctively Neofuturist style, the architectural project was unveiled by the President of Kazakhstan Nursultan Nazarbayev on December 9, 2006.

The 150m-high (500 ft) tent has a 200m elliptical base covering 140,000 square metres (14 ha; 35 acres).



- # Architect: Foster + Partners
- # Engineer: Buro Happold
- # Project Started: 2006
- # Project Completed: 2010
- # Site Area: 200,000m² (50 Acres)
- # Retail Area: 40,000m²(160 luxury shops)
- # Total Area: 123,000m² (30 Acres)
- # Length: 200 m
- # Width: 195 m
- # Height: Top of mast :150m
- # Climate Aspect: Its remote steppe location to the north of the country experiences temperature below freezing for half the year with extremes ranging from - 40°C to +40°C.

LOCATION & SURROUNDINGS



SITE PLAN



FEAUTRES & FACILITIES

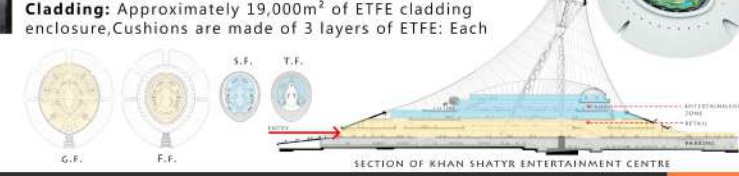
Entertainment Center represents a major new civic, cultural and social venue for the people of Astana, bringing together a wide range of activities within a sheltered climatic envelope that provides a comfortable environment all year round.



STRUCTURE

Structure: 20m high slopped concrete base with 4.2m long elliptical shape integrated roof lights

Cladding: Approximately 19,000m² of ETFE cladding enclosure, Cushions are made of 3 layers of ETFE: Each



LOCATION



INDIA, BANGLORE

Wonderla amusement park is located near Timmappana palya, 28km from Mysore road, Bangalore.

Wonderla Amusement park is surrounded by agriculture land.



MICRO LEVEL WONDERLA AMUSEMENT PARK, BANGLORE (Self Illustrated)

ACCESSIBILITY

- # Bangalore Railway Station 27 km (45mins)
- # Bangalore palace 32 km (55mins)
- # Bangalore palace 32 km (49mins)
- # Tulip Resort, Bangalore 30 km (35mins)
- # Hejjala Railway Station 4.2 km (10mins)



MACRO LEVEL MAP OF WONDERLA PARK (Self Illustrated)



ESHAN VAISHY
1278881007
B.ARCH-"XIII" SEM
IDEAL SCHOOL OF ARCHITECTURE
GHAZIABAD

URBAN ENTERTAINMENT CENTRE, S.A.S. NAGAR

Sahibzada ajit singh nagar (s.a.s. nagar), commonly known as Mohali, is a city which is a commercial hub lying adjacent to the city of Chandigarh in Punjab, India. It is the administrative headquarters of Sahibzada Aji Singh Nagar District. It is also one of the six municipal corporations of the state. It was officially named after Sahibzada Aji Singh, the eldest son of Guru Gobind Singh of Sahibzada Aji Singh. It is still known and popular, as Mohali among local people and other parts of India.

LOCATION



PROJECT BRIEF

Site Area: **15.95 Acres**
 Site Location: **Sector 66-beta, SAS Nagar, Punjab**
 Latitude: 30°38'38.89" N
 Longitude: 76°45'18.39"E
 Project Status: **Proposed for Commercial Use**
 Status: **BARREN LAND**
 Development Authority: **GREATER MOHALI AREA DEVELOPMENT AUTHORITY.**

SURROUNDINGS & ACCESSIBILITY

Chandigarh Airport **5.5 km (5min)**
 Mohali I.S.B.T. **11.8 km (26min)**
 Mohali Cricket Stadium **9.8 km (22min)**
 Chandigarh Sector 17 **15.7 km (33min)**
 Railway Station **6.8 km (15min)**
 Aerocity **3.0 km (3min)**
 I.S.B. **4.5 km (5min)**
 Fortice Hospital **10.1 km**
 Chandigarh College of Architecture **20km**



SITE VIEWS



*Site has all side roads. Site is surrounded by Housing projects, Hotel and IT Park. Site needs a great buffer zone.

TOPOGRAPHY

The topography of the district is **even**. It is mostly a plain of **alluvial** type. It also has **loam to heavy loam and sand to sandy loam soils in certain part of district**. Soil is rich in nutrients and suitable for crops like wheat, paddy, maize, potato, etc.

DEMOGRAPHICS

As per **2011 census** Mohali's urban agglomeration had a **population of 146,213**, out of which 76,507 were males and 69,706 were females. The **literacy rate is 91.96%**. The sex ratio of Mohali is **911 females over 1000 males**.

Mohali City	Total	Male	Female
City + Out Growth	166,864	87,380	79,484
City Population	146,213	76,507	69,706
Literates	121,742	64,803	56,939
Children (0-6)	13,820	7,324	6,496
Average Literacy (%)	91.96%	93.67%	90.08%
Sexratio	911		
Child Sexratio	887		



Sikhism is majority religion in the city with 61.53% followers. Hinduism is second most popular religion in city with approx 35.55% following it. Islam is followed by 1.68% Christianity by 0.79%.

SEISMIC ZONE

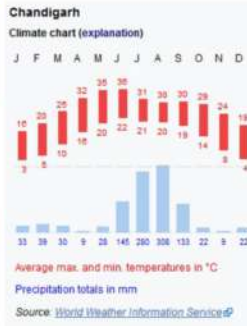
Mohali lies in earthquake zone IV. **Zone IV:** this zone is called the high damage risk zone.

CLIMATE

Mohali has **sub-tropical continental monsoon climate** characterized by a seasonal rhythm: In winters, frost sometimes occurs during December and January. The average annual **rainfall** is recorded at **617 mm**. The city also receives occasional winter rains from the west.

TEMPERATURE

Summer: the temperature in summer may rise to a maximum of 47°C. Temperature generally remains between 30 and 40°C.
Autumn: the temperature may rise to a maximum of 36°C. Temperature usually remains between 16 and 27°C in autumn. The minimum temperature is about 13°C.
Winter: average temperature in winter remains at 7-15°C (maximum) and 5°C (minimum).
Spring: spring temperatures vary between 16-25°C.



CITY CLIMATE, TEMPERATURE, RAINFALL



SITE CLIMATE AT MICRO LEVEL (SELF ILLUSTRATED)

Cold winds usually tend to come from the north near Shimla and Jammu Kashmir. The city also receives occasional winter rains from the Western Disturbance originating over the Mediterranean Sea.

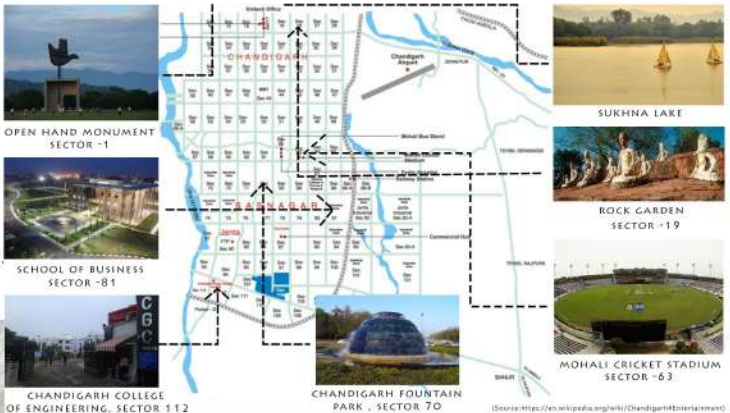
SITE PLAN & SECTION



ECONOMY

Chandigarh has been rated as the "Wealthiest Town" of India. The Reserve Bank of India ranked Chandigarh as the Third largest deposit centre and seventh largest credit centre nationwide as of June 2012. With a per capita income of ₹99,262, Chandigarh is the richest city in India.

ENTERTAINMENT AREAS IN CITY



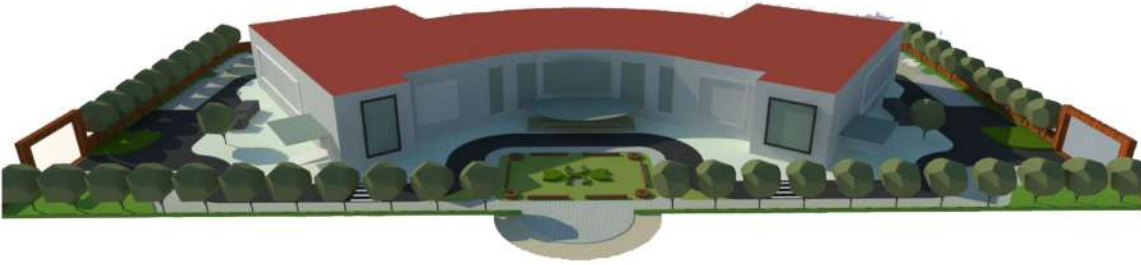
NEED OF ENTERTAINMENT CENTRE

Chandigarh, Mohali are well planned and sector based planned cities. All the entertainment facilities are divided in different sectors. As per Urban growth in India people needs all the facilities at a same place. It will also help in increasing the revenue of the city. There is the maximum population of Sikhs, there culture is very different from other religions. Sikhs are the lover of Food, Fashion, and Entertainment.

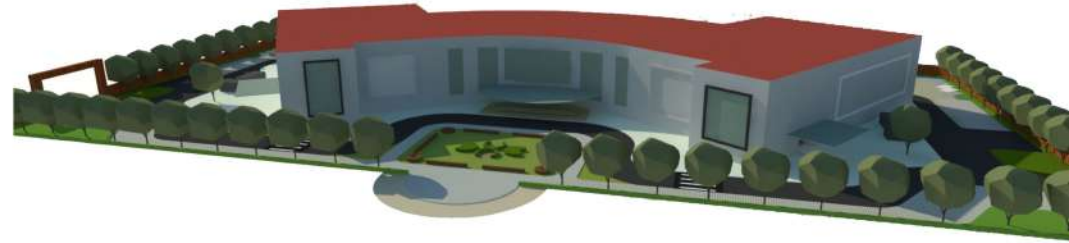
TRICITY

Mohali and Panchkula (adjoining Chandigarh to its East and in Haryana) are two satellite cities of Chandigarh. The trio of these three cities is collectively known as Chandigarh Tricity. Panchkula is a planned city in Panchkula District, Haryana, India. The Union Territory of Chandigarh along with its two satellite cities - Panchkula and Mohali - is collectively called as the Chandigarh Tricity.





SHOPPING MALL



SHOPPING MALL



PADESTRIAN DETAIL



PADESTRIAN DETAIL



FOOD COURT 2



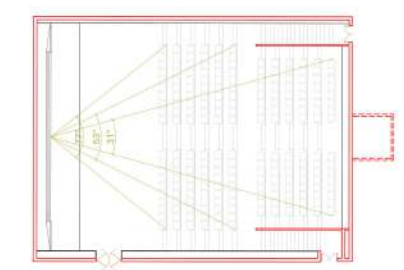
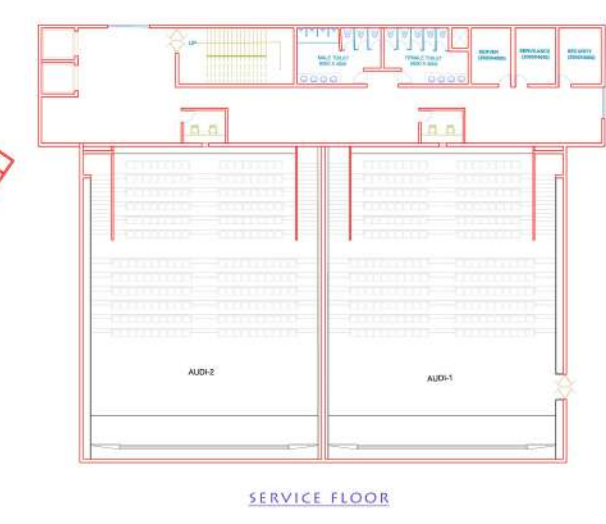
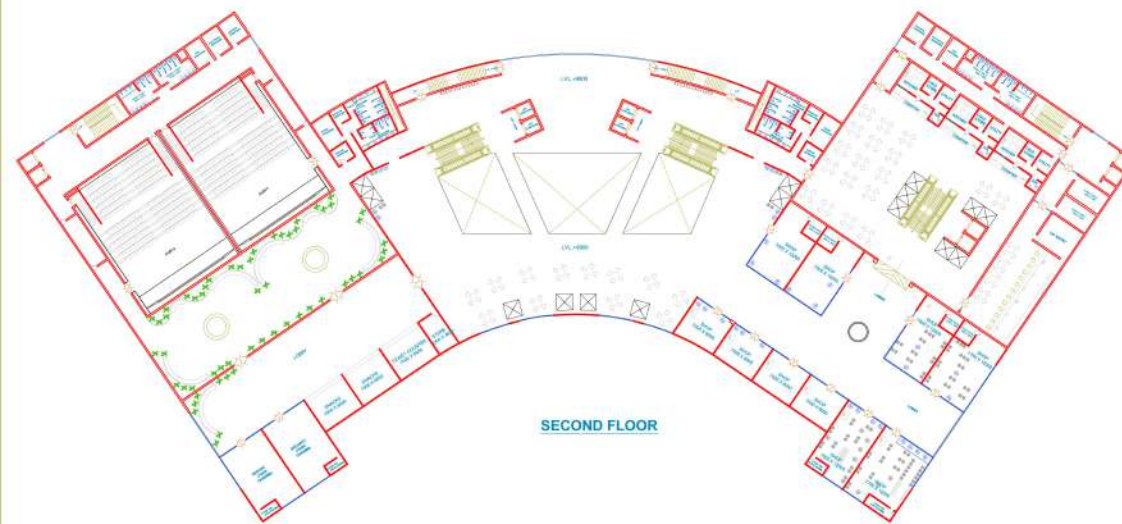
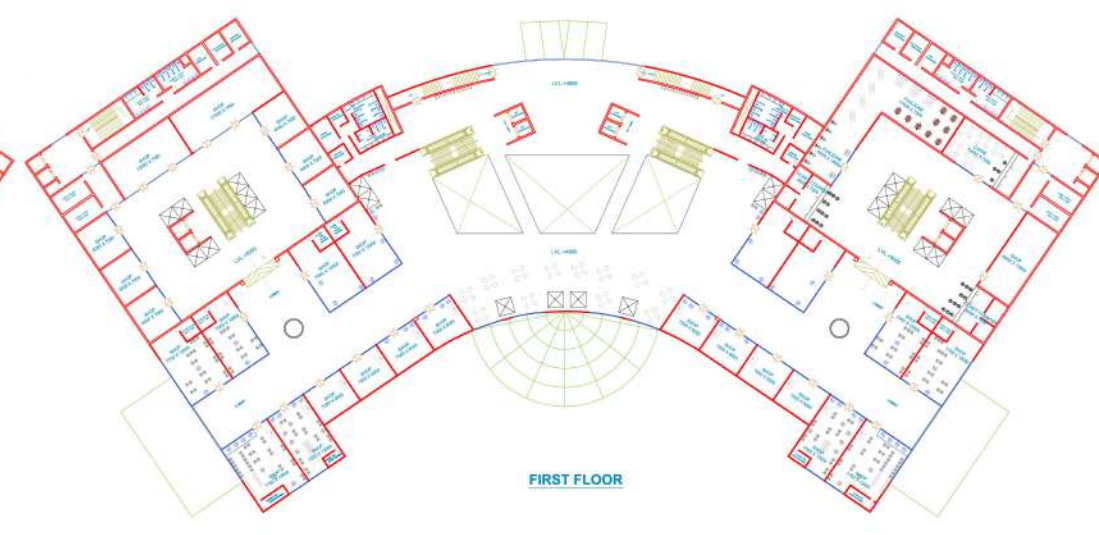
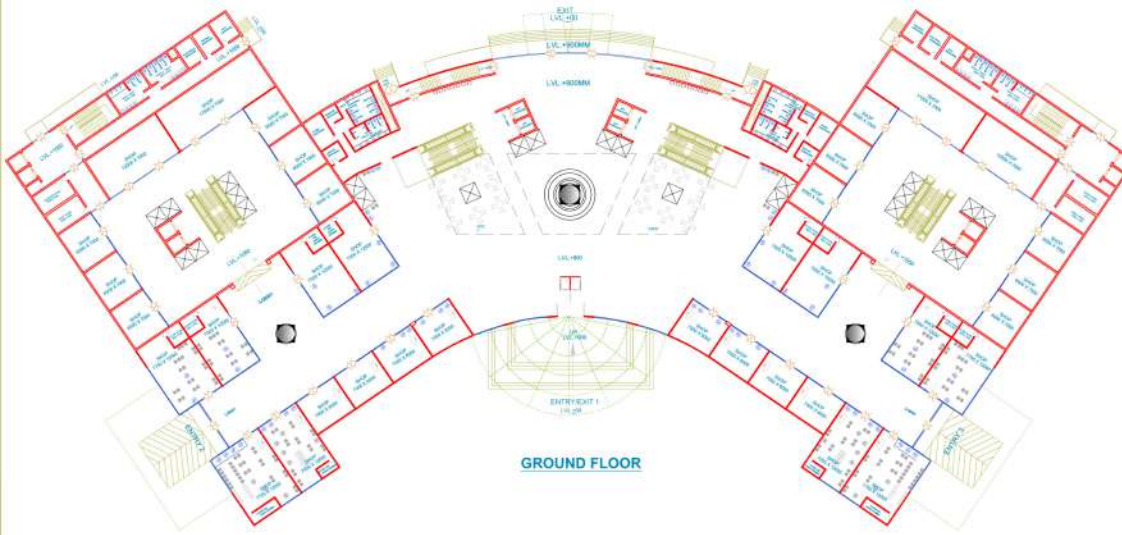
FOOD COURT 1



FOOD COURT 1



FOOD COURT 2



PHOTOGRAPHY

