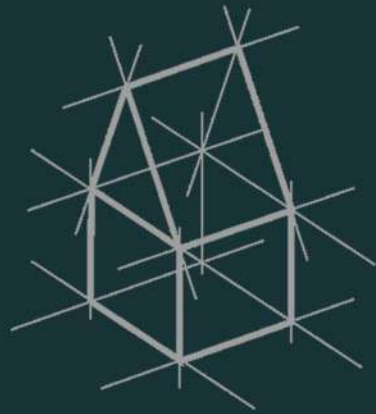


Portfolio



Shubham Dilip Jain

Architectural Assistant

(+44) 07769482211 | arshubhamzambad@gmail.com
4/01 6, Havannah Street G4 OAP, Glasgow

Contents

1. Master's Projects

- Autonomy for Govan- Year 1
- Re-Webbing Glasgow's Street Network (Masterplan)- Year 2

2. Bachelor's Projects

- High Court Bench, Pune- Year 5
- Faculty Housing IIT, Gandhinagar- Year 4

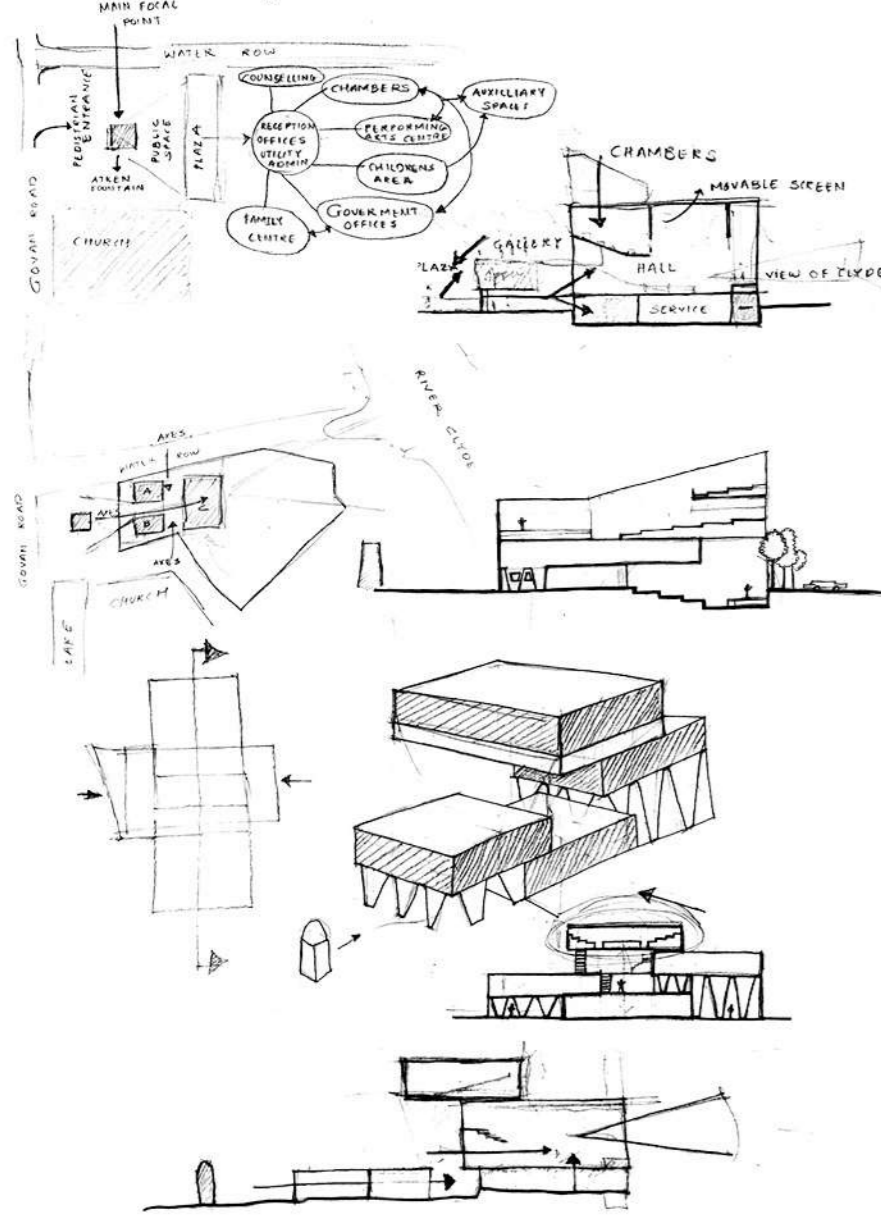
3. Sketches

4. Digital Portfolio Links

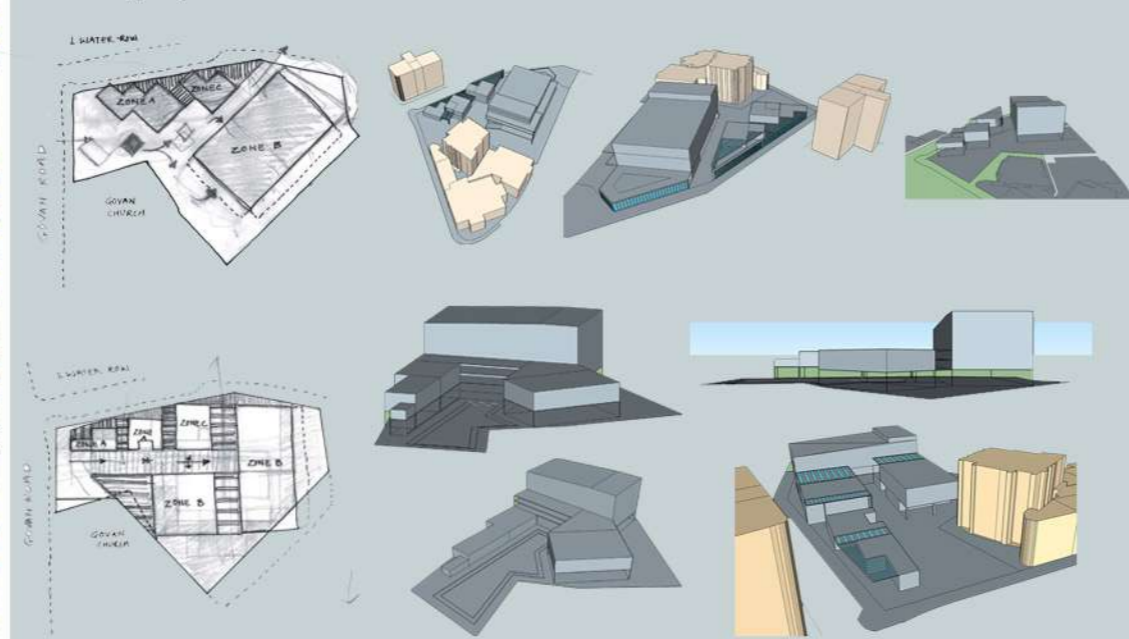
Site:



Concept Development:



Massing Options:

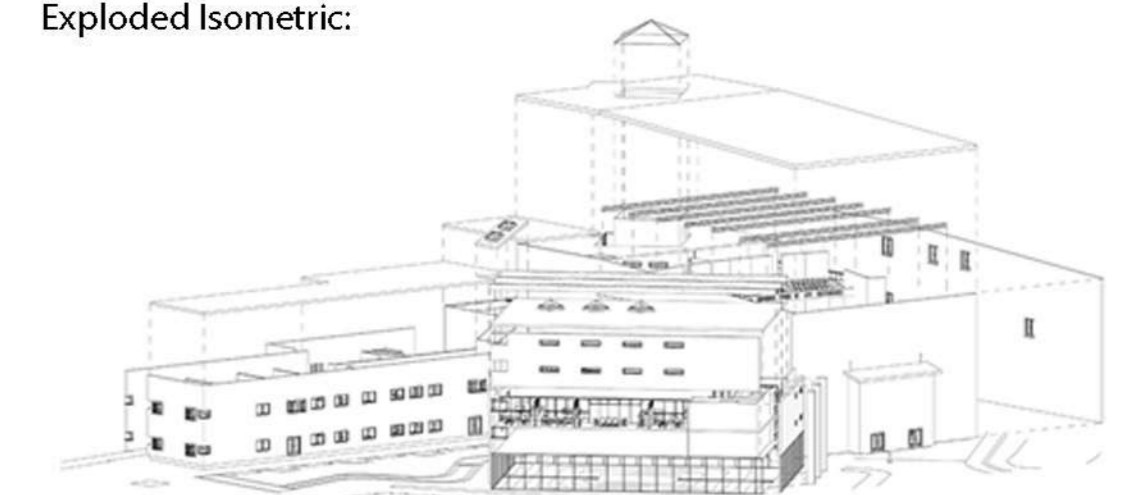
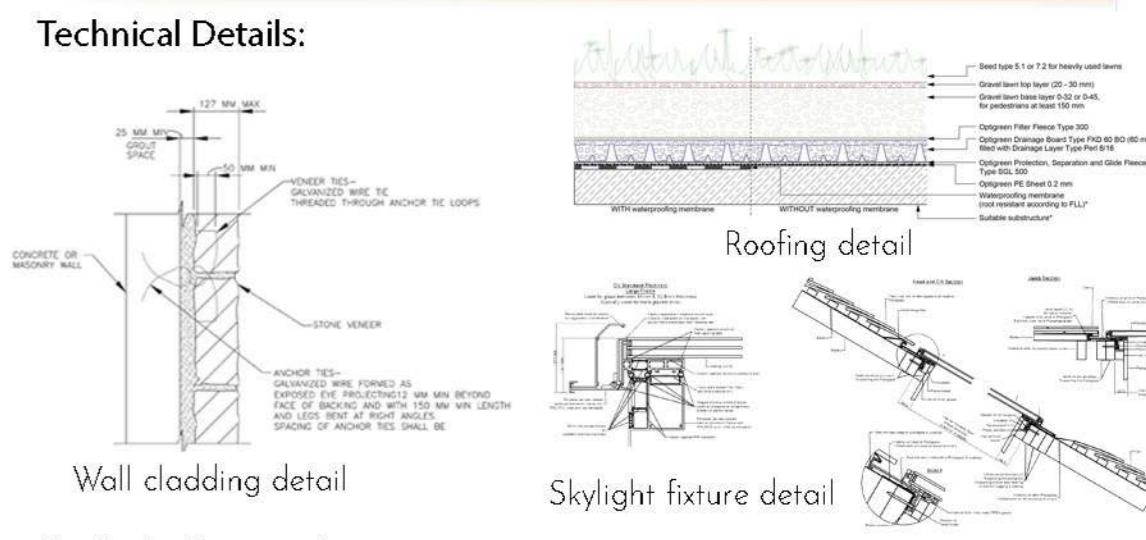
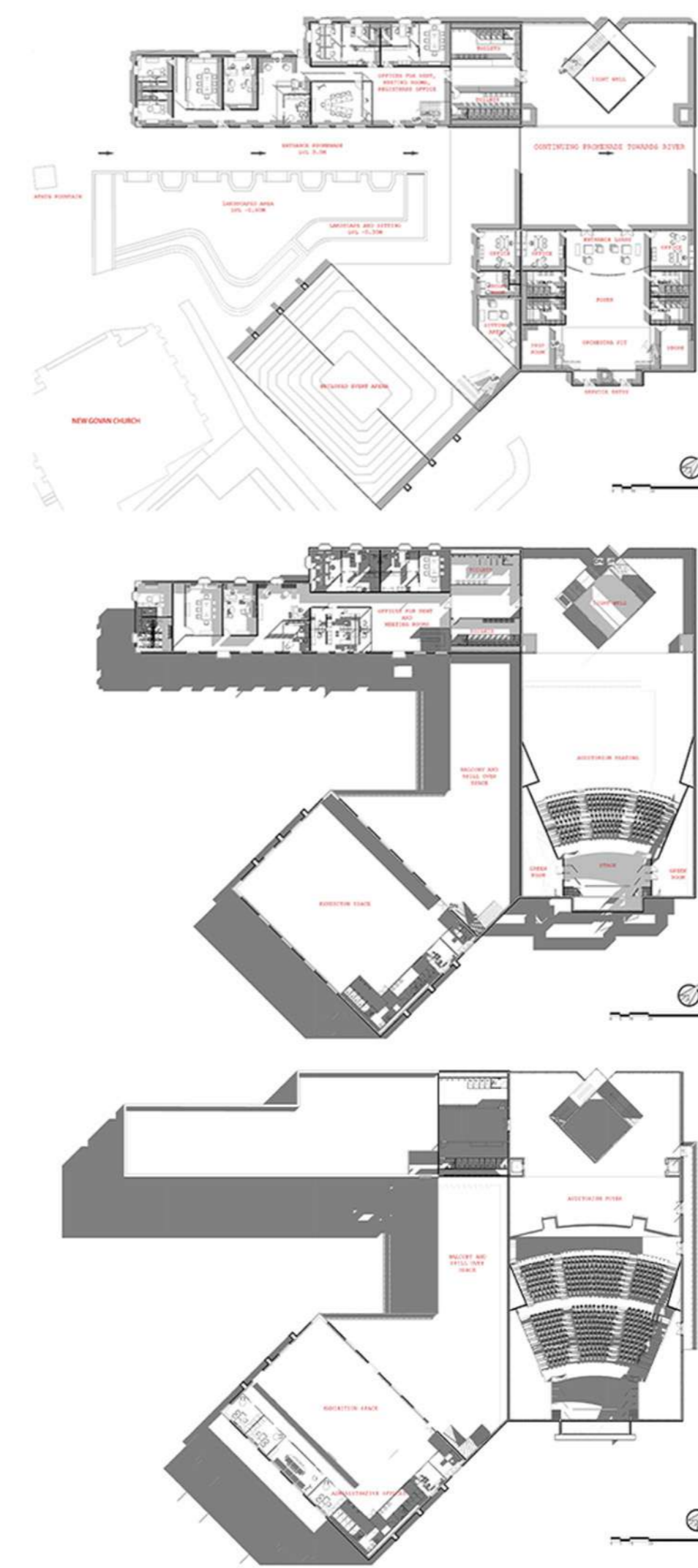


The Autonomy for Govan is an independent project that will create a comprehensive, long-term vision for improvements to the streets, public realm and to promote the sense of community living in the area. In efforts aimed to provide a new urban edge to Govan, the Autonomy for Govan reflects the idea of respecting the past and acknowledging the future. The design concept is evolved on the main principle of compatibility and resilience, to explain the same following design statement has been put forward: Create a design that is compatible with the historic character of the water row and Govan cross. Govan has a history dating back to Vikings era. it has seen lot of changes and been resilient to absorb all the physical changes the design must be be able to its varied functions.

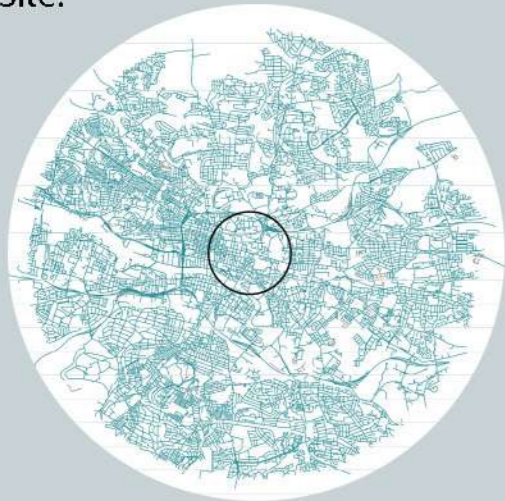
Site Plan:



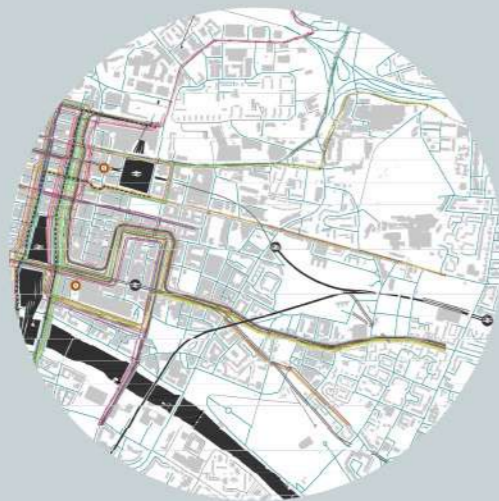
Floor Plans:



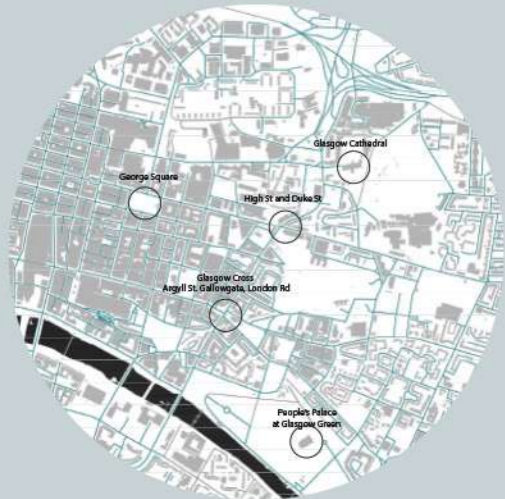
Site:



Existing Street Network



Public Transport Links



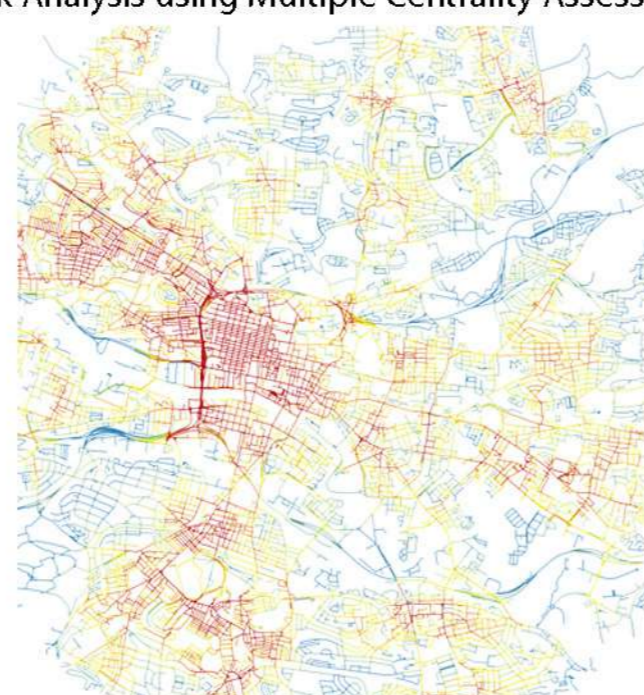
Key elements of High street



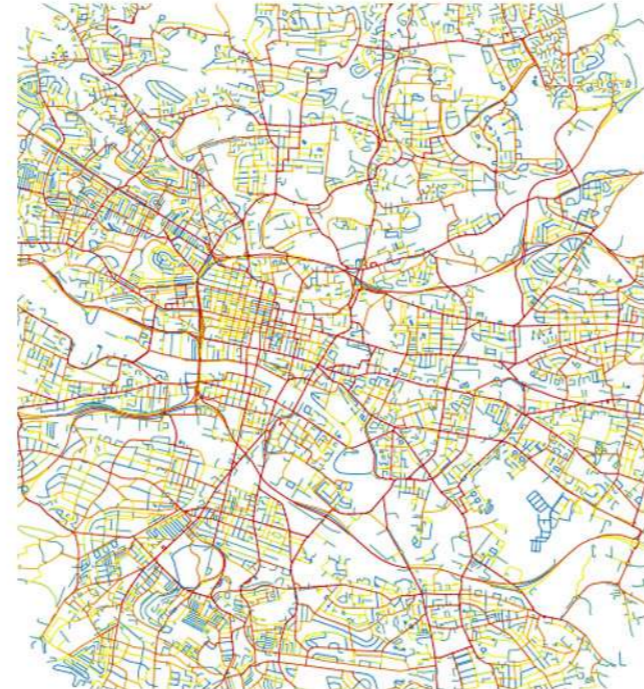
Site Topography

■ Zone 1- Townhead
■ Zone 2- High street
■ Zone 3- Saltmarket/ Gallogate
■ Zone 4- Trongate/ Argyle Street
■ Zone 5- George Square
■ Zone 6- Cathedral street/ Strathclyde Campus

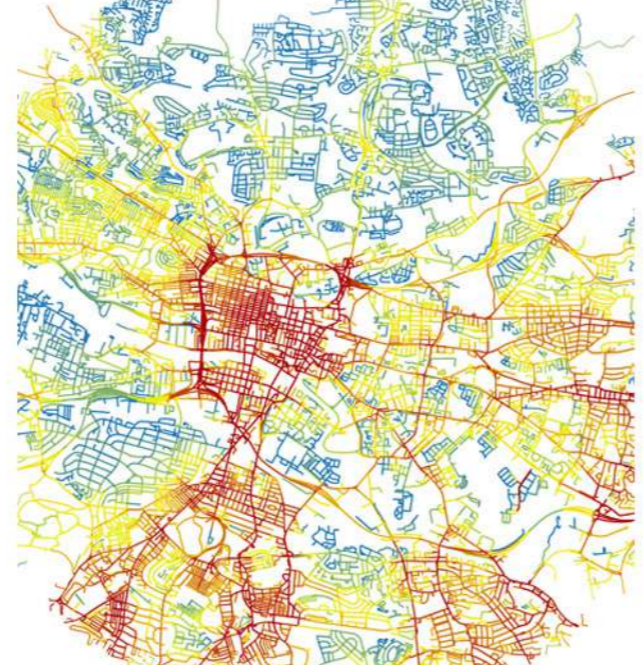
Network Analysis using Multiple Centrality Assessment:



Closeness Centrality



Betweenness Centrality



Straightness Centrality

Proposal:

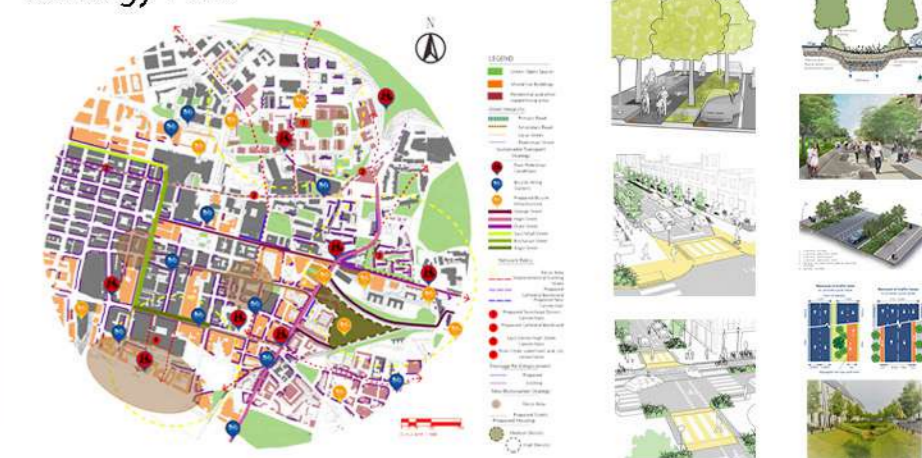
- Developing a better more functioning and user-friendly bicycling experience in and around the city centre.
- The strategy is to take inspirations from working modules of bicycle friendly cities of Copenhagen and Amsterdam to develop a transport system safe for the citizens.
- To develop an atmosphere where people are encouraged to chose cycling as main mode of transport instead of depending on automobiles.
- Well-marked separate bicycle tracks around the city centre to create a safe environment for bicyclist and pedestrians.
- 3/2.5m wide, 2-way cycleway segregated from footway by a raised kerb along the north edge of Road A1, i.e. footway 50mm higher than adjacent cycleway.
- Improve the pedestrian infrastructure, make people aware of the transport options available to them for getting in and around the city centre by publicising journey planning facilities like Traveline and ensuring public transport information at stops is kept up to date.

Vision Statement

The vision of this project is to enhance the quality of services provided to residents of the city. I look to build on a strong community spirit. THE FOCUS IS TO CATER WITH THE ISSUES, TO CREATE A PLACE WHICH BRINGS IN AMALGANATION OF ACITVITES FROM EAST END AND CITY CENTRE. following are the main strategies on basis of which the masterplan is developed.



Strategy Plan:



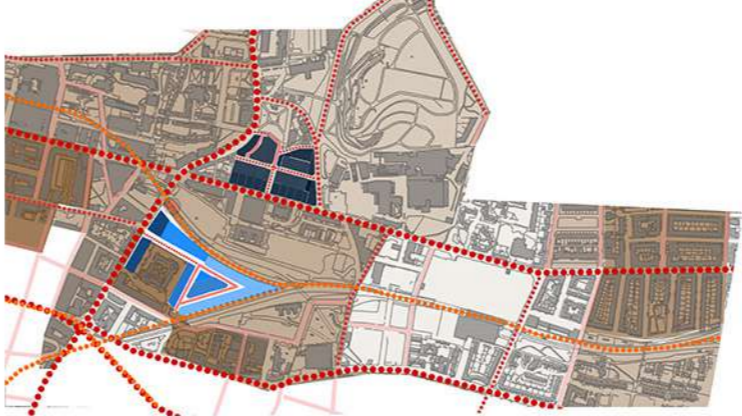
Existing Plan:



Concept Master Plan:



Foundation Master Plan:



Proposed Master Plan:

LEGENDS:
■ Carriageway (Standard)
■ Pavement/ Pedestrian Priority
■ Parking
■ Bike lane
■ Priority pedestrian crossing
■ Raised Table
■ Single Family Dwelling - Townhouse/ Terrace/ Colony
■ Multi-Family Dwelling-Tenement/ Tower block
■ Multi-Family Dwelling-Tenement/ Tower block
■ Multi-Family Dwelling-Tenement/ Tower block
■ Proposed Specialist Buildings
▲ Entrance

Site:



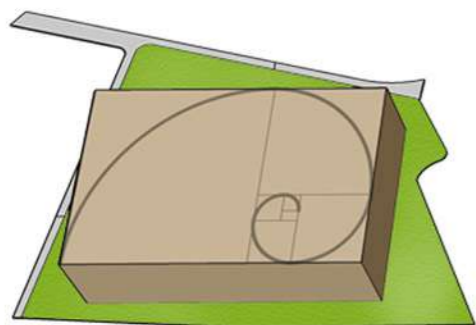
About Project:

The project is a proposed High court bench for Mumbai High court to be developed in Pune. There are around 4.64 lakh cases pending at the Mumbai HC, with a view to tackle 2 lac litigations and keeping in mind the rise in rate of pending cases; in order to bring down the load on Mumbai HC, the project has been put forward. The proposed High court bench at Pune houses 34 courtrooms and supporting infrastructure and spaces. Mumbai HC is an iconic structure with aesthetically appealing facades and is a symbol of Gothic architecture. The proposed structure must add to the architectural character of the city and must cater to functional demands of a judicial establishment just as the Mumbai HC building has been resilient for ages.

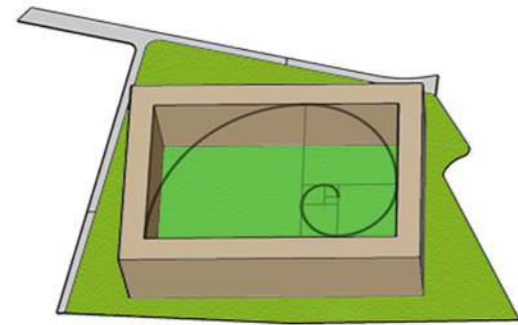
Site Plan:



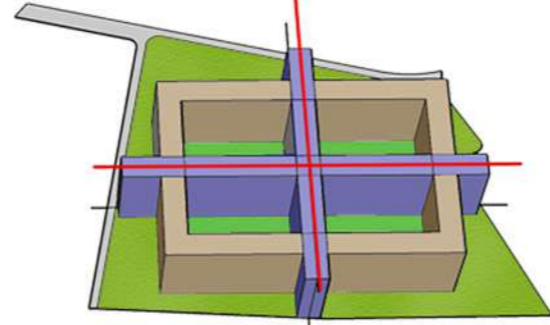
Concept:



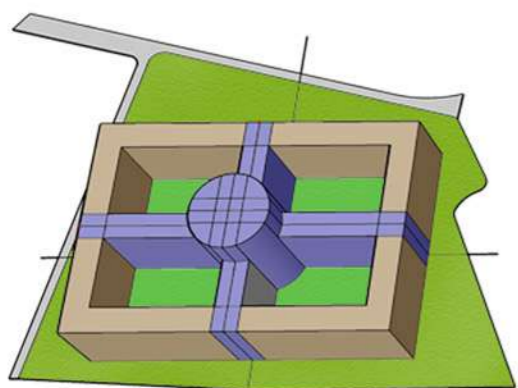
Step 1: Solid Mass



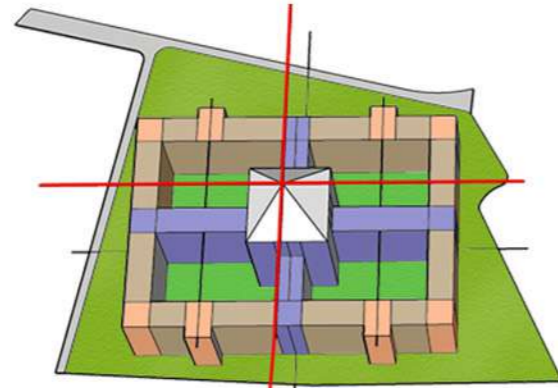
Step 2: Incorporation of Golden Ratio



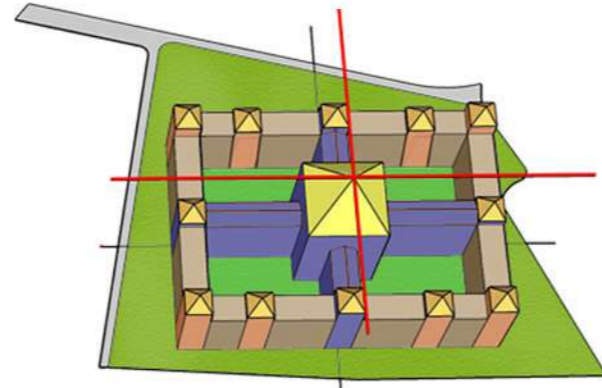
Step 3: Incorporation of Axis for symmetry



Step 4: Amalgamation of ideas



Step 5: Development as per precedents

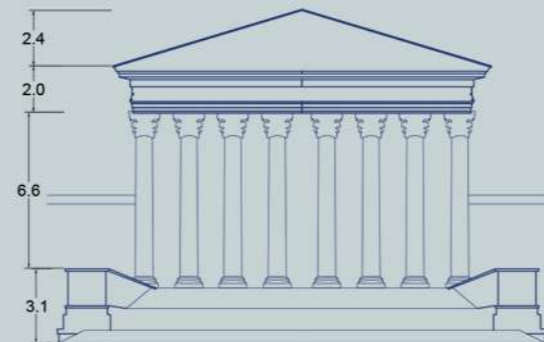


Step 6: Desired building form

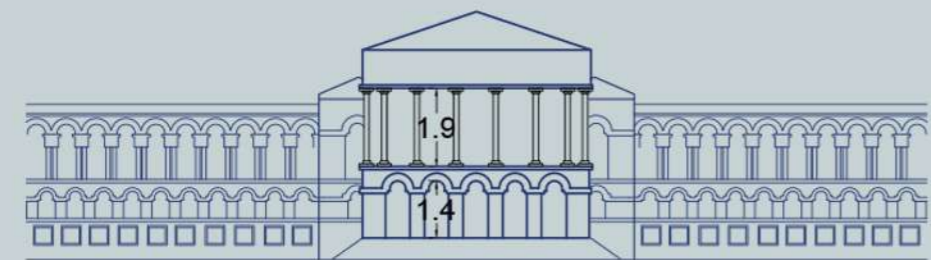
Facade Study and Analysis:



Karnataka High Court



USA- Supreme Court

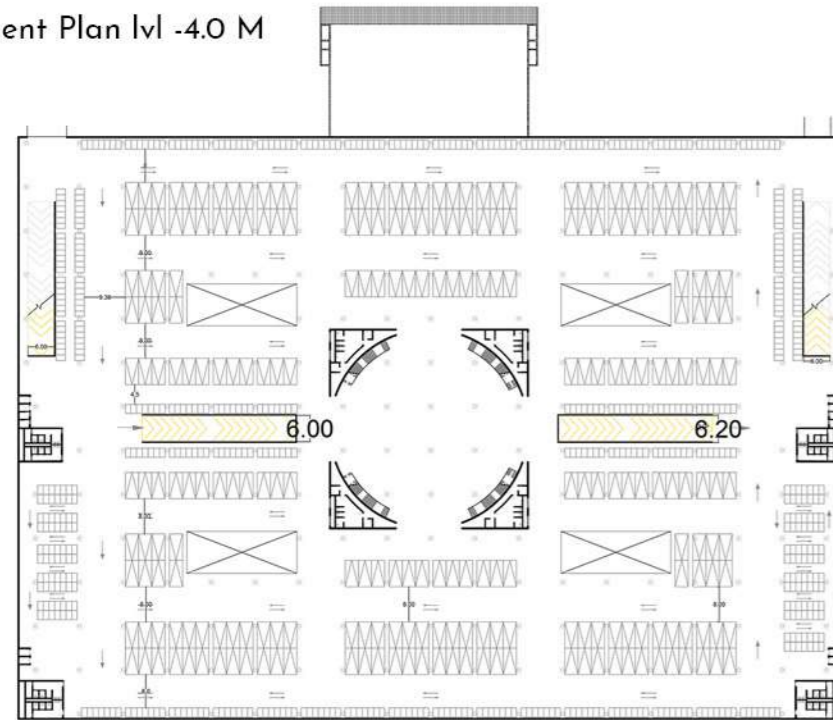


Calicut Bench- Karnataka High Court

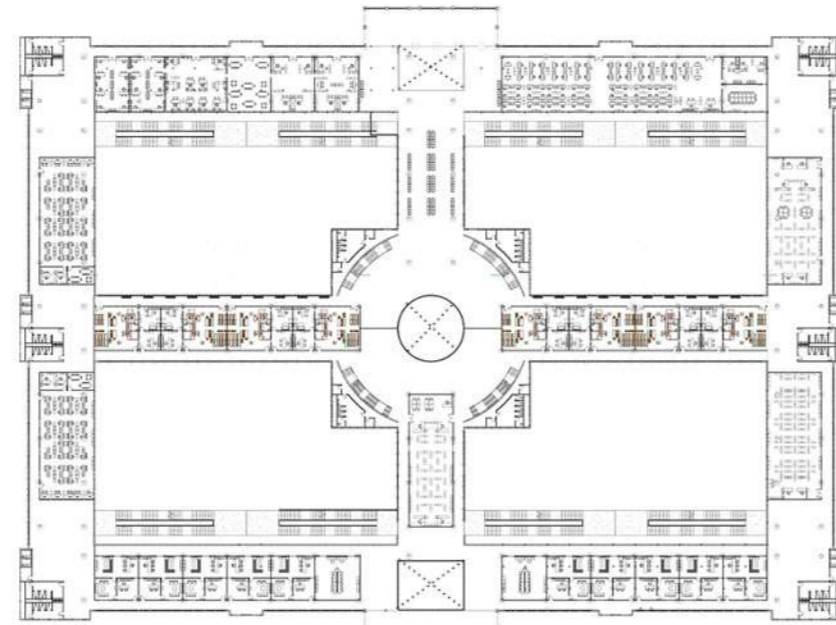


Front Elevation

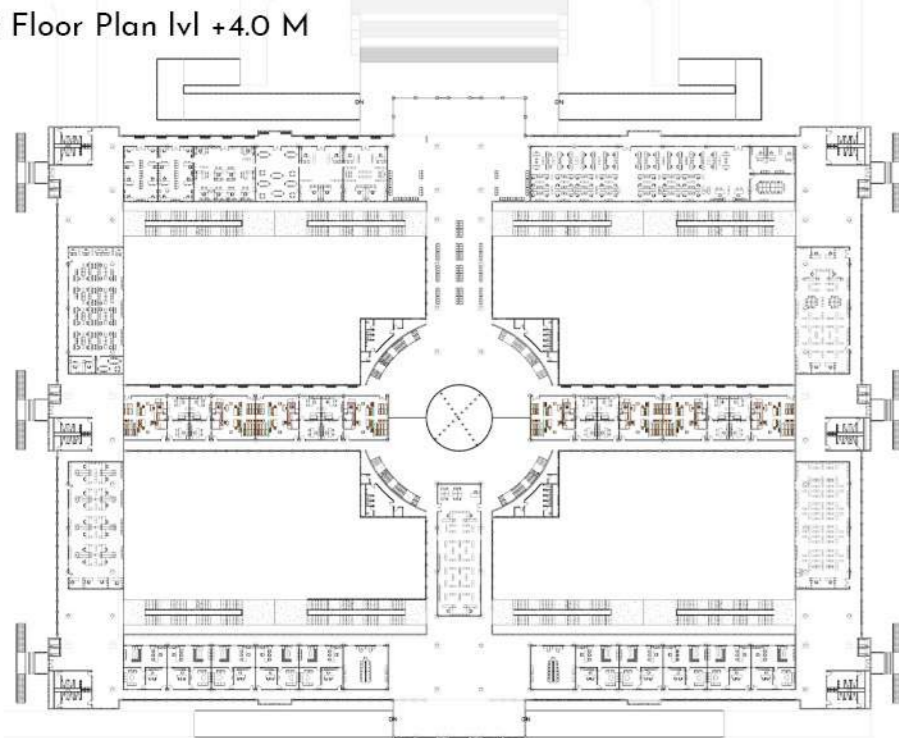
Basement Plan lvl -4.0 M



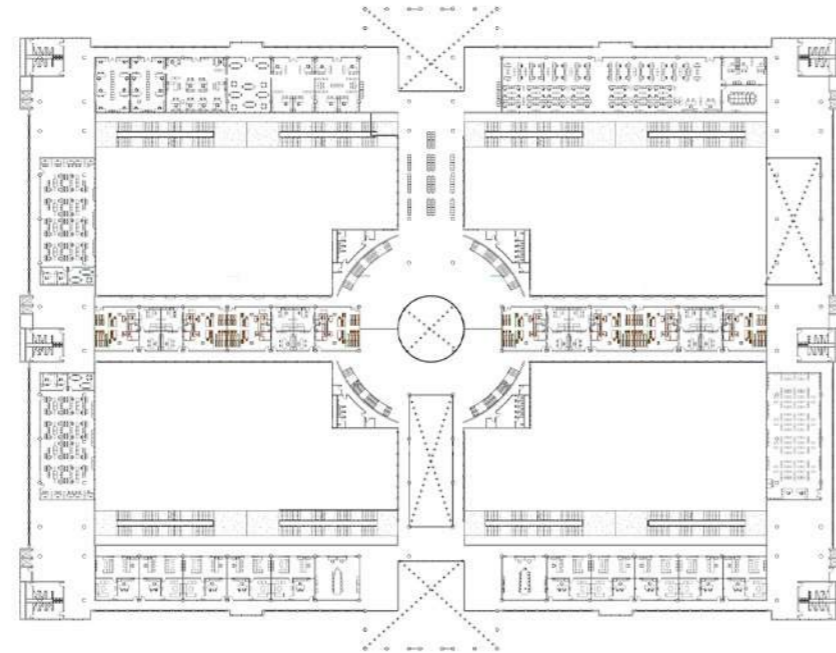
Third Floor Plan lvl +14 M



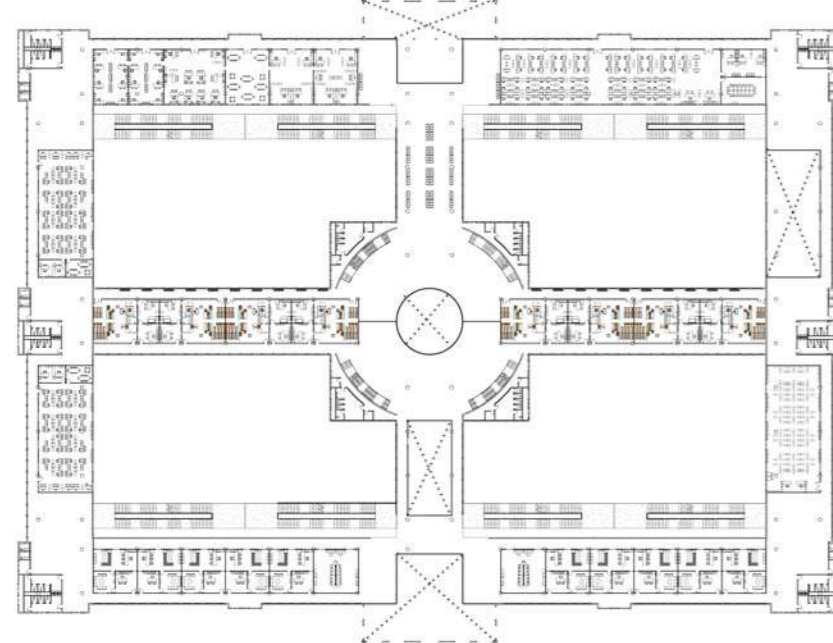
First Floor Plan lvl +4.0 M



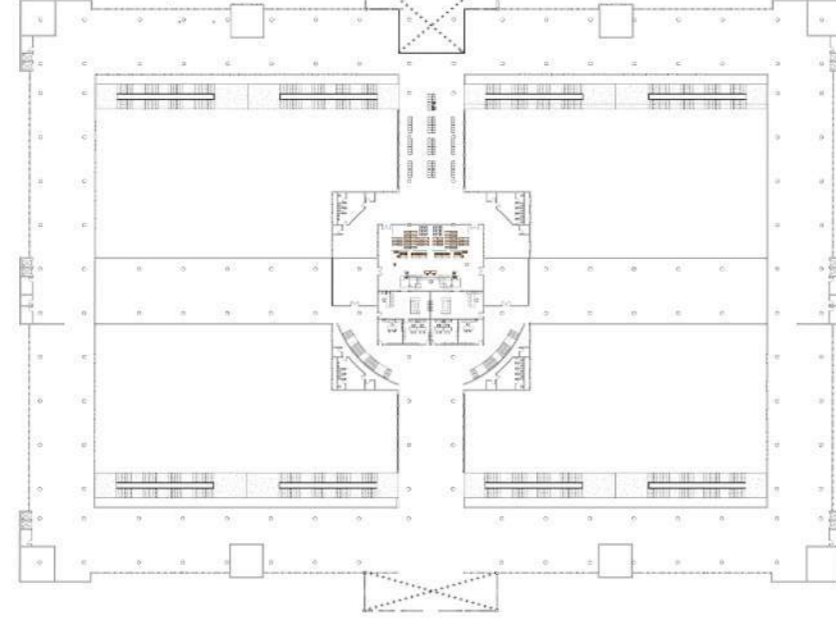
Fourth Floor Plan lvl +18 M



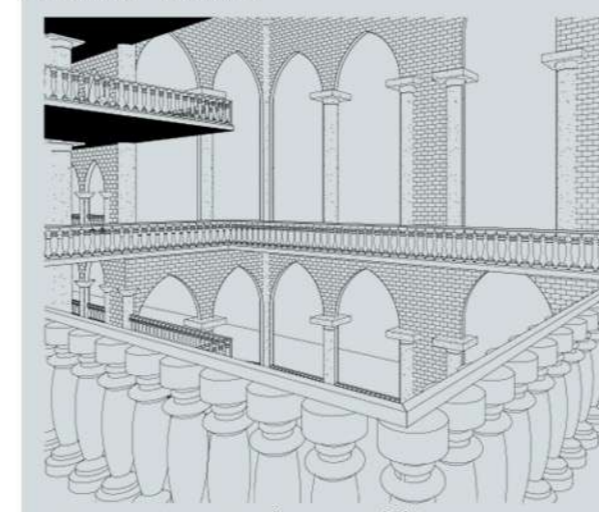
Second Floor Plan lvl +8.0 M



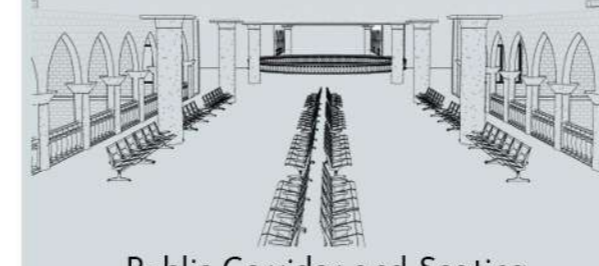
Fifth Floor Plan lvl +23 M
(Chief Justice's office)



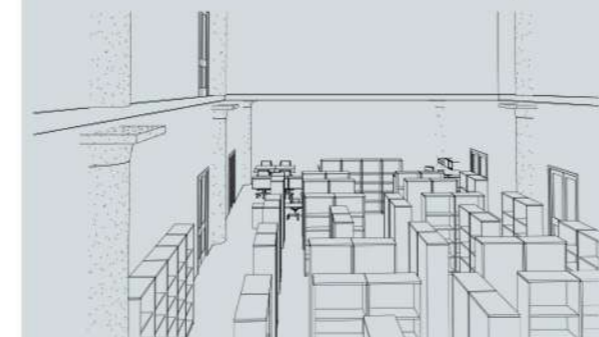
Interior Views:



Judge's Lobby



Public Corridor and Seating



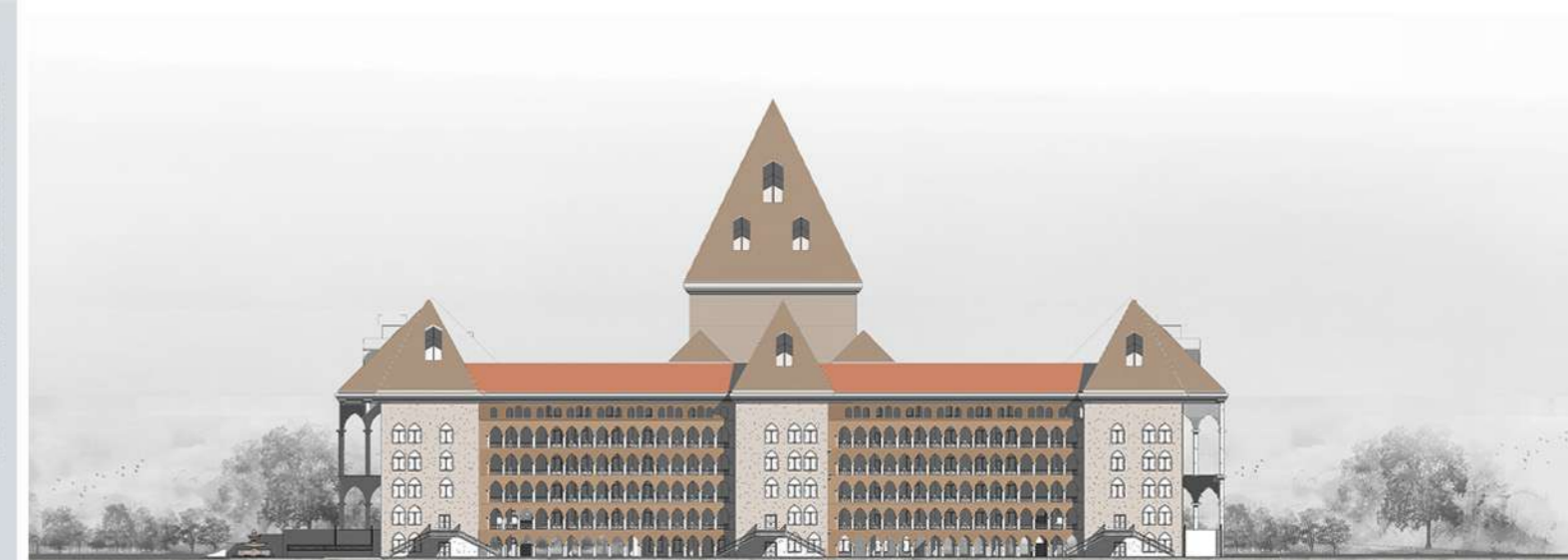
Library for Bar Association



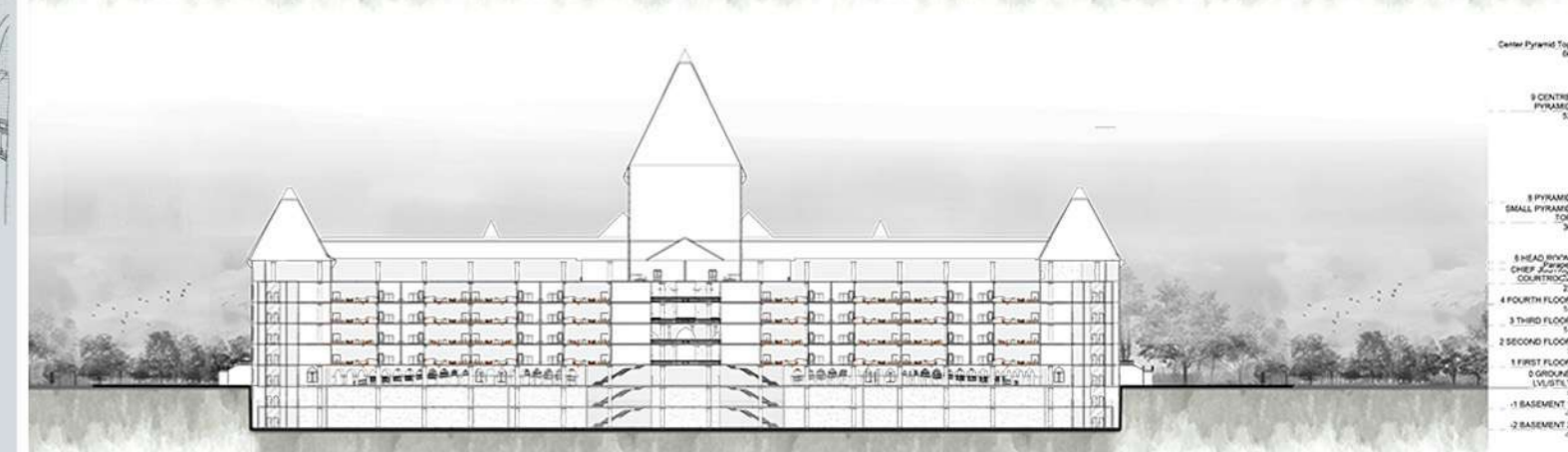
Judge's Chambers



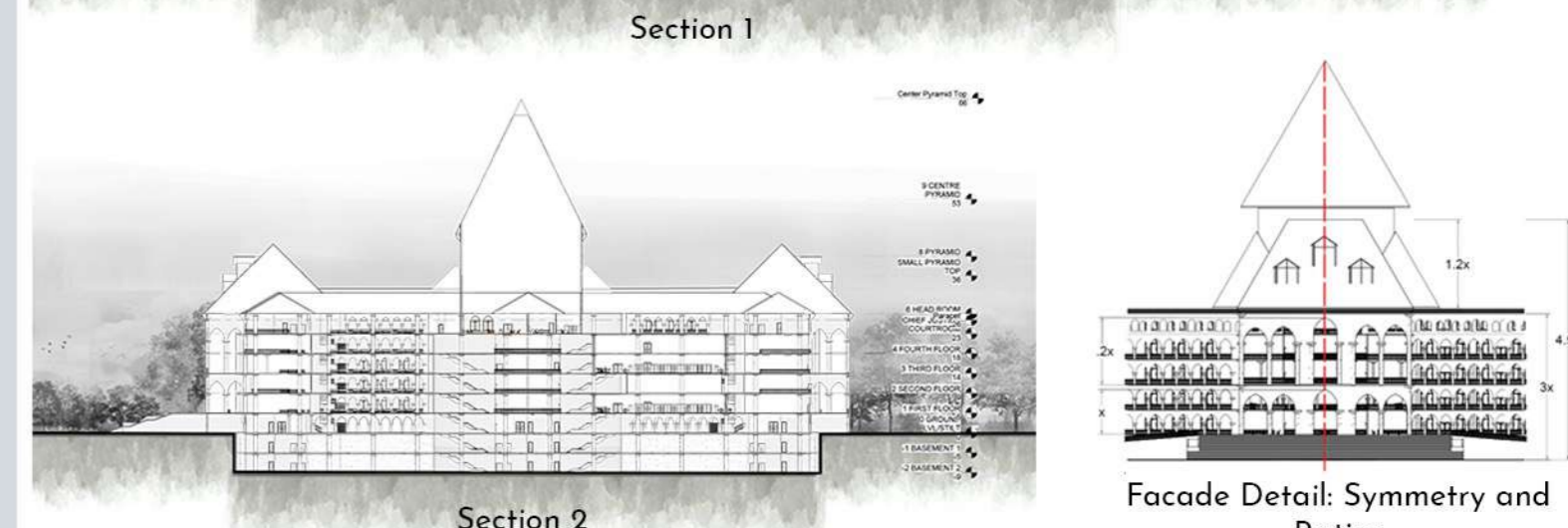
Administrative Area



Side Elevation



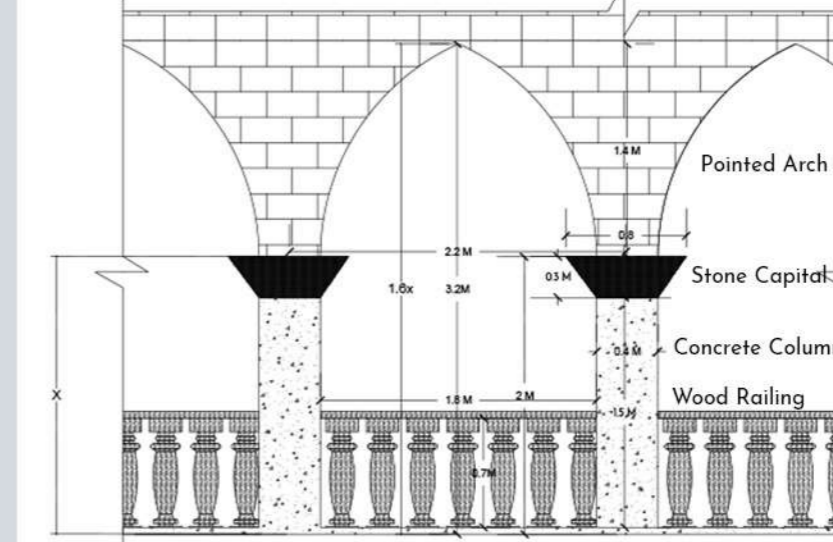
Section 1



Section 2

Facade Detail: Symmetry and Ratios

Facade Details

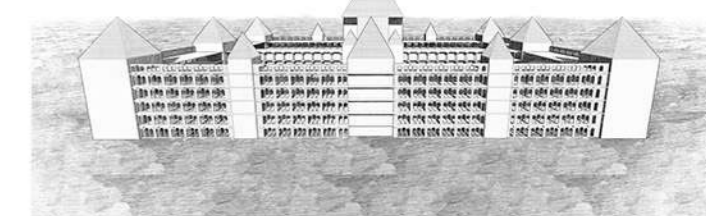


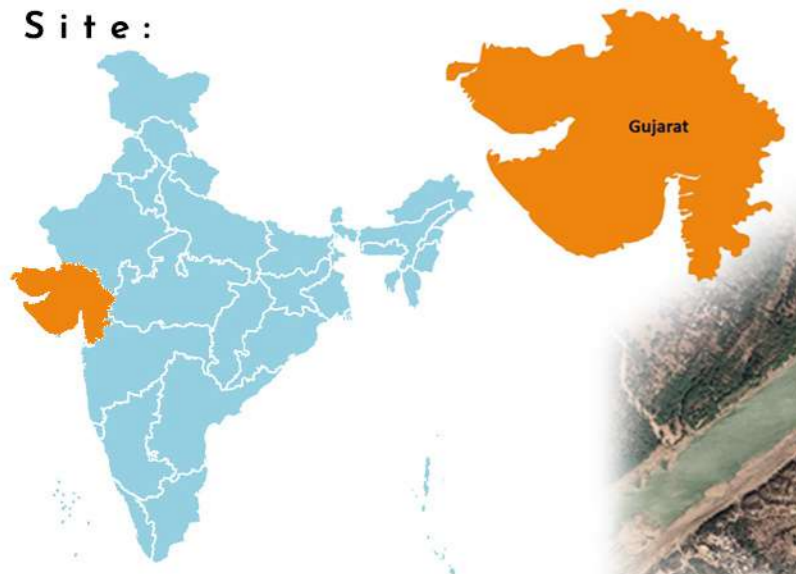
Pointed Arch

Stone Capital

Concrete Column

Wood Railing





Proposed Site:
at IIT Gandhinagar
campus



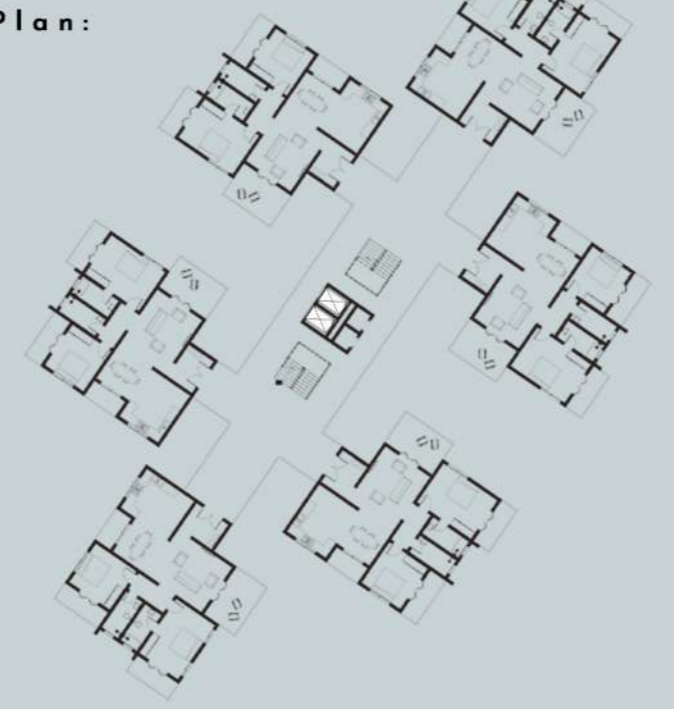
Site Plan:



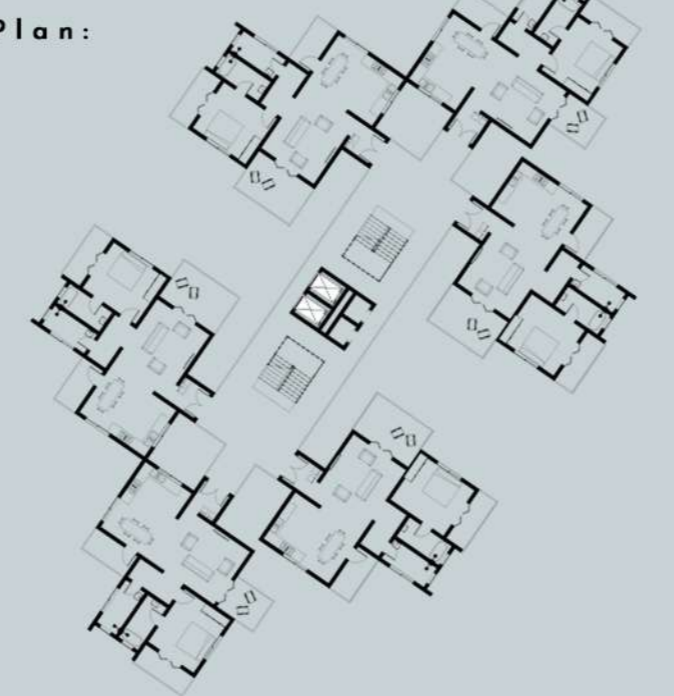
Ground Floor Plan:



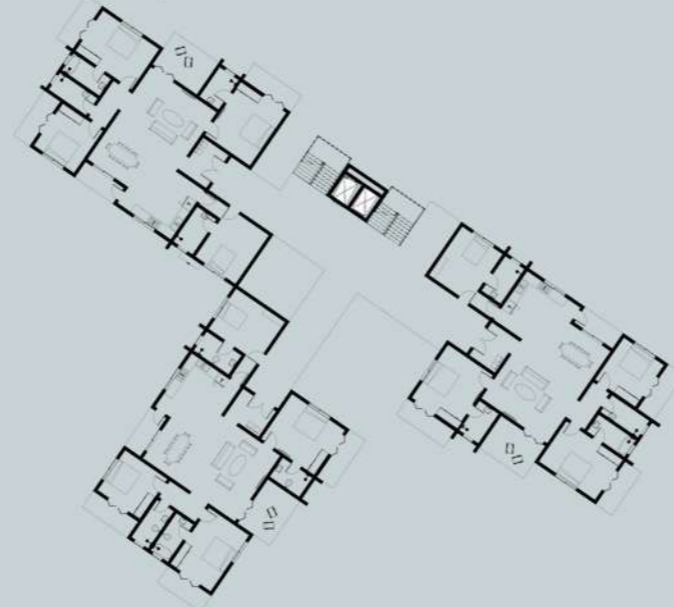
1 BHK Apartment Floor Plan:



2 BHK Apartment Floor Plan:



3 BHK Apartment Floor Plan:



Site Elevation



1 BHK Apartment block Section



2 BHK Apartment block Section



1 BHK Apartment Block Elevation



2 BHK Apartment block Elevation

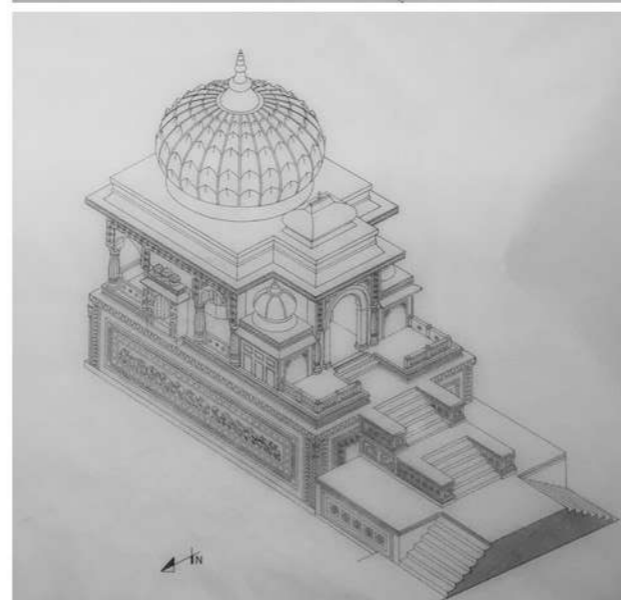
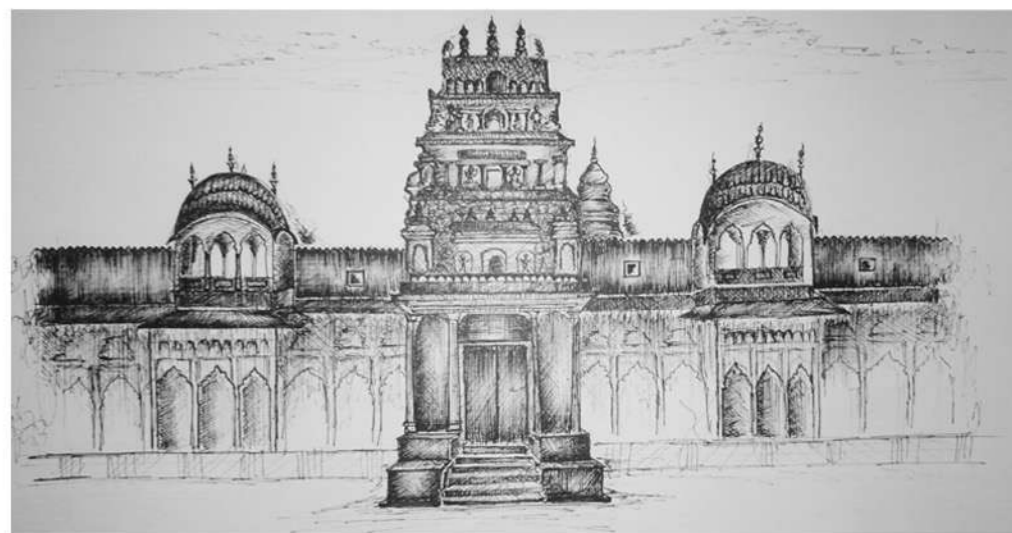
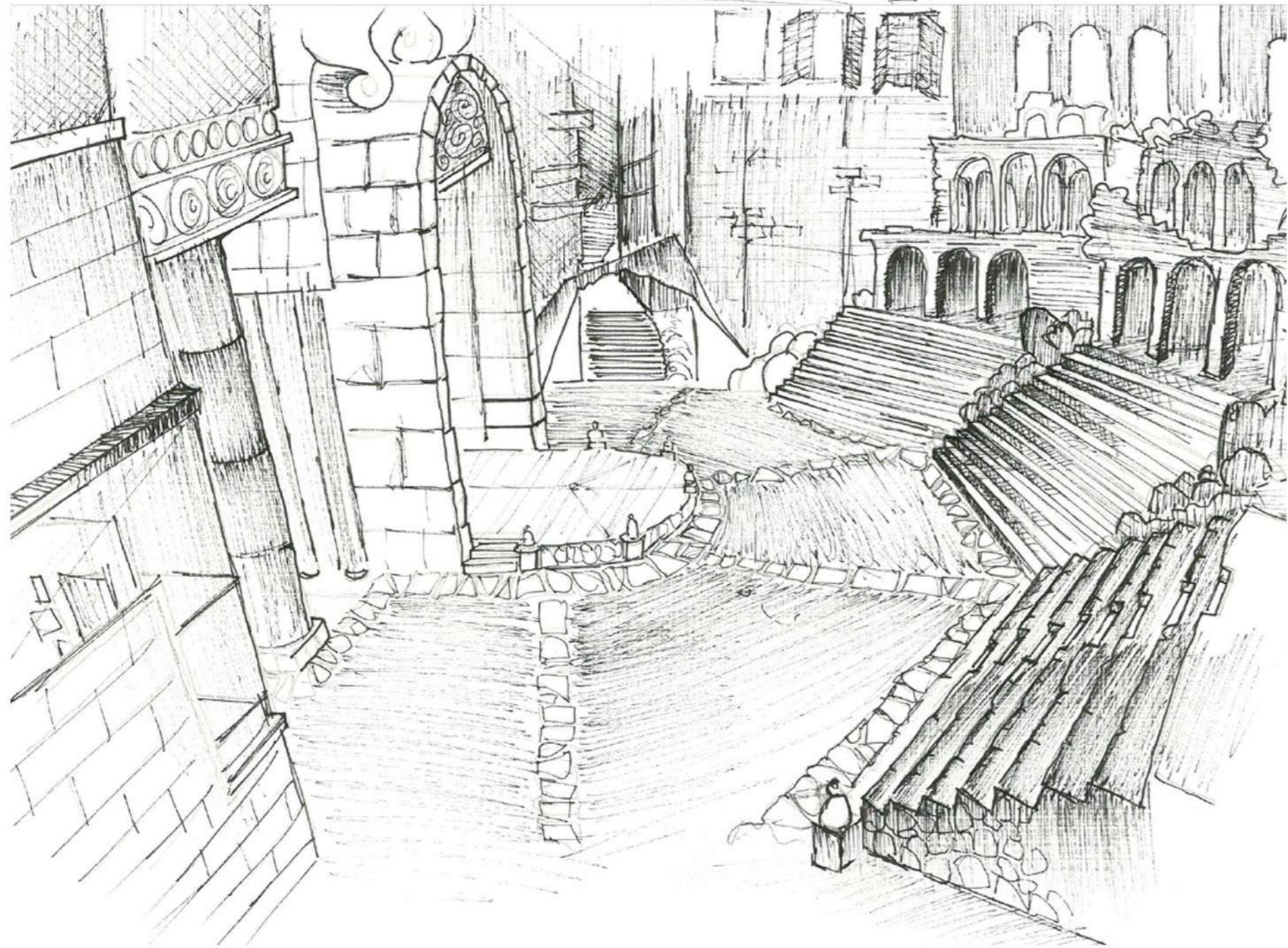
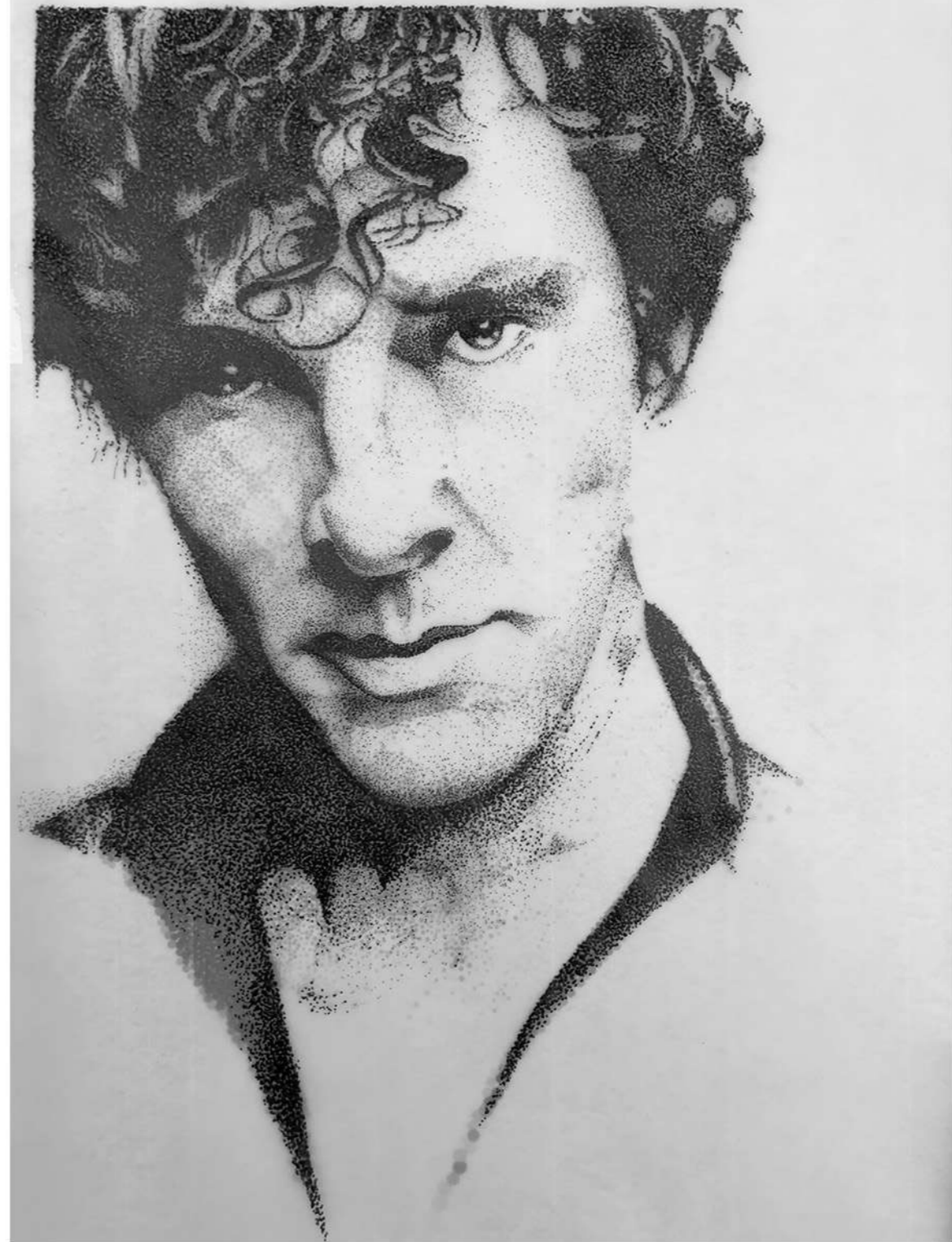
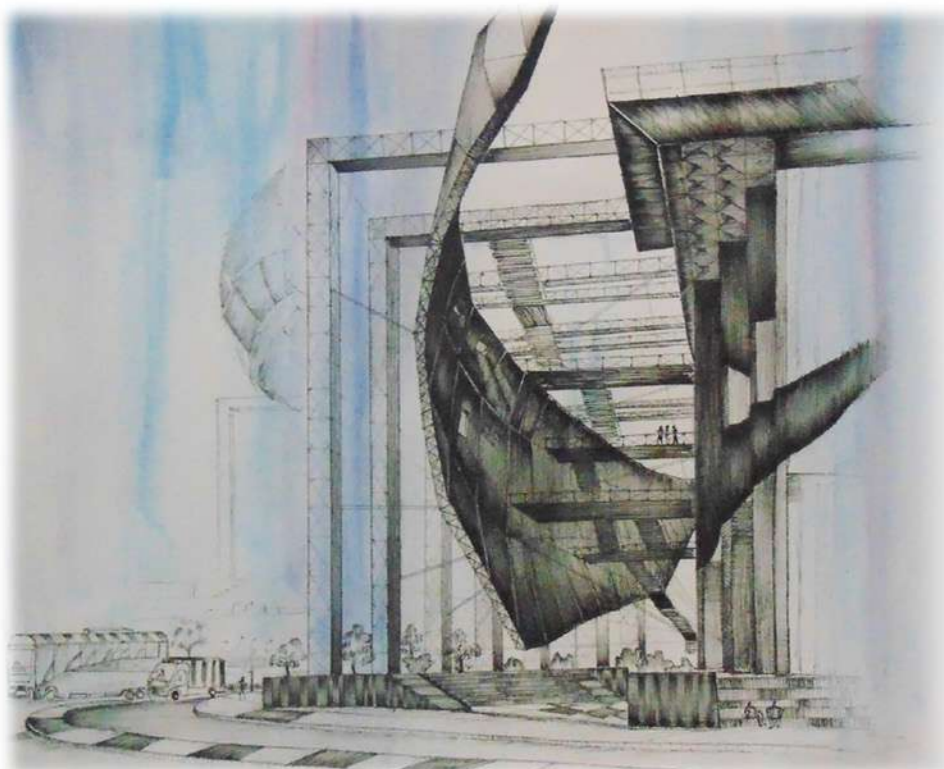


3 BHK Apartment block Elevation

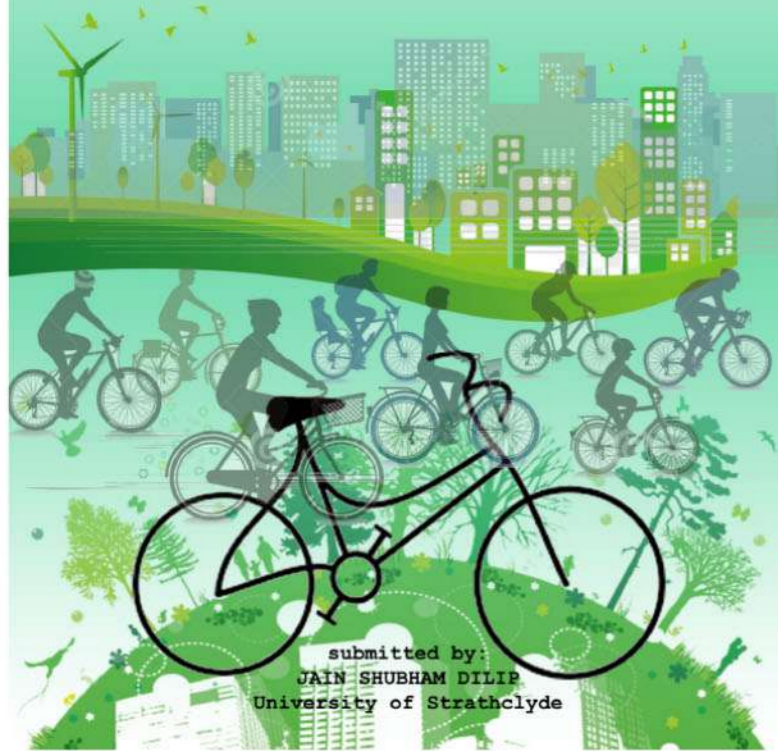


3 BHK Apartment block Section

Staff Housing, IIT Gandhinagar



A STRIDE TOWARDS HEALTHIER CITIES
Bicycle City: The City of Tomorrow



The focus of the dissertation is the concept of walkability, walkable neighbourhoods, urban form, design of urban form that promotes walking and the aspects that affect walkability. The following work is inspired from the work of Jan Gehl in active transport and Urbanism.

The dissertation aims at exploring the theme of walkability by analysing the concept of walkability under different perspectives:

- Necessity
- Factors affecting walking behaviour
- Socio-economic and environmental impacts of walking
- Role of urban form in encouraging walkability
- Recommendations for promoting walking in Glasgow city centre

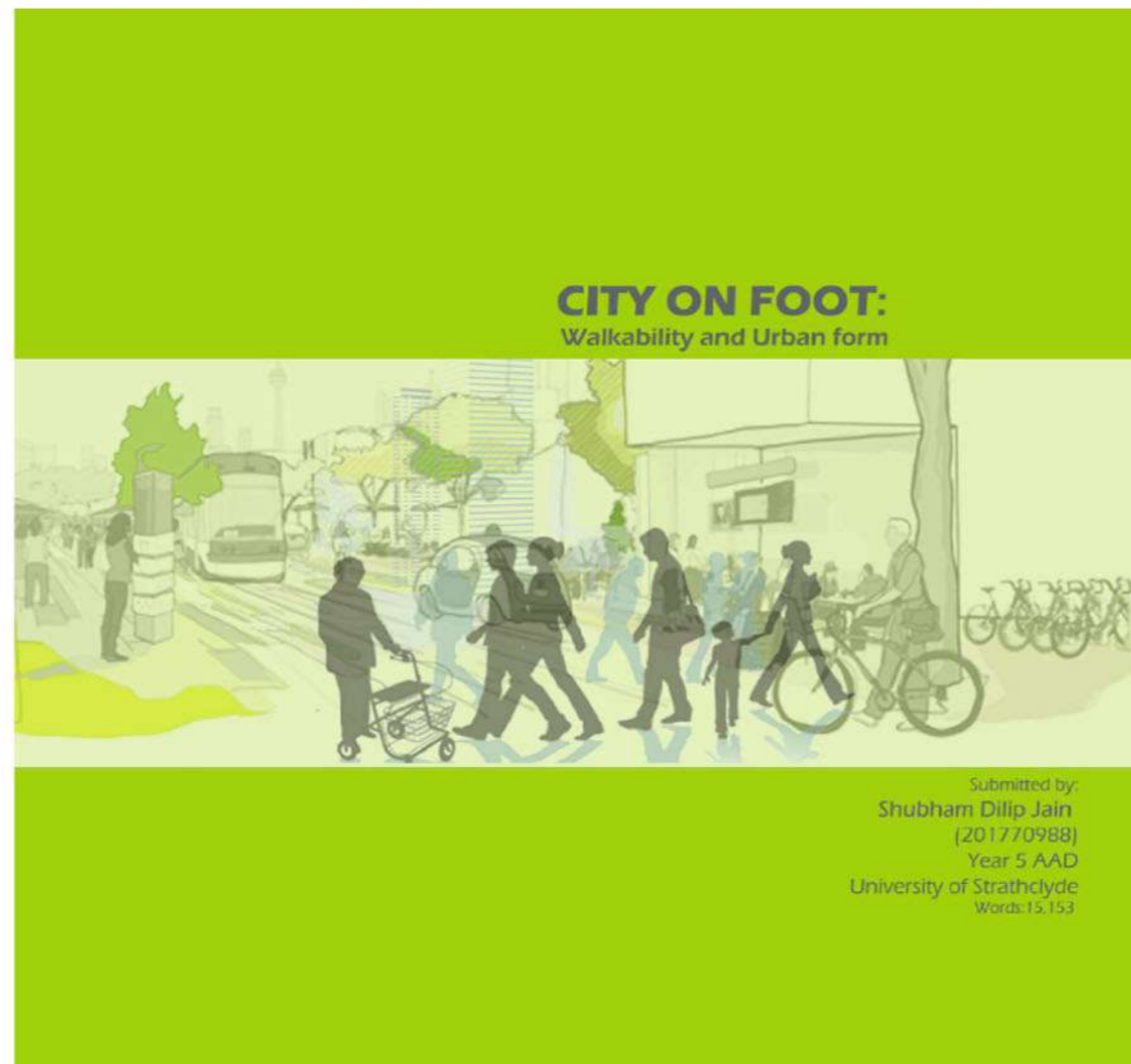
Link:

<https://drive.google.com/file/d/1-RTj-MfbZrB1JAW6WkJe-zT8AHh-jBVB/view?usp=sharing>

This dissertation aims at studying the aspects of the green city. The study is aimed at analysing the impacts of automobile dependency of city. The ill effects of cars on our society. Importance of modal shift of vehicular transport to cycling. The importance of encouraging residents of an urban area to take up bicycle as the primary mode of commute in day to day life.

Link:

<https://drive.google.com/file/d/1-RTj-MfbZrB1JAW6WkJe-zT8AHh-jBVB/view?usp=sharing>



Shubham Dilip Jain

+44- 07769482211

arshubhamzambad@gmail.com

<https://www.linkedin.com/in/shubham-jain-84b18975>

