PORTFOLIO

ARCHITECTURAL

URMILA BADE



Oub_architecture



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Professional Projects

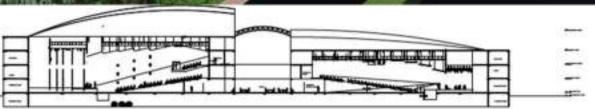
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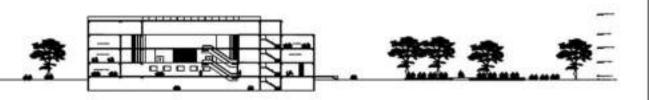








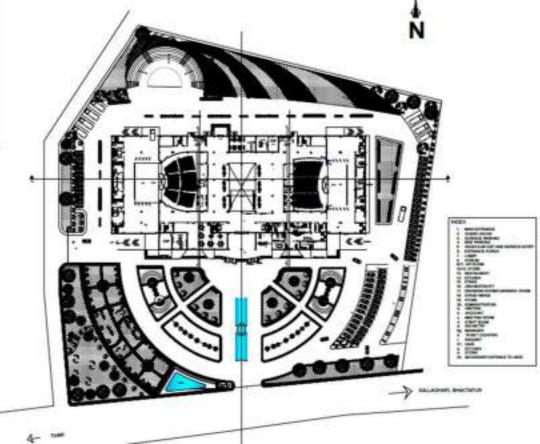
SECTION AT A-A'



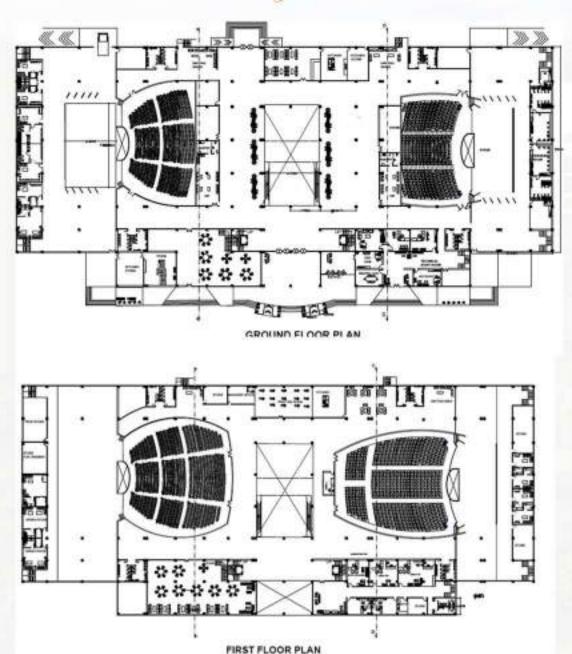
SECTION AT 8-8"

THESIS PROJECT Final Year Project

This design is an inspiration to provide a venue for cultural exchange in terms of content, curatorial and cultural management, giving the place an operational base on the international art scene.

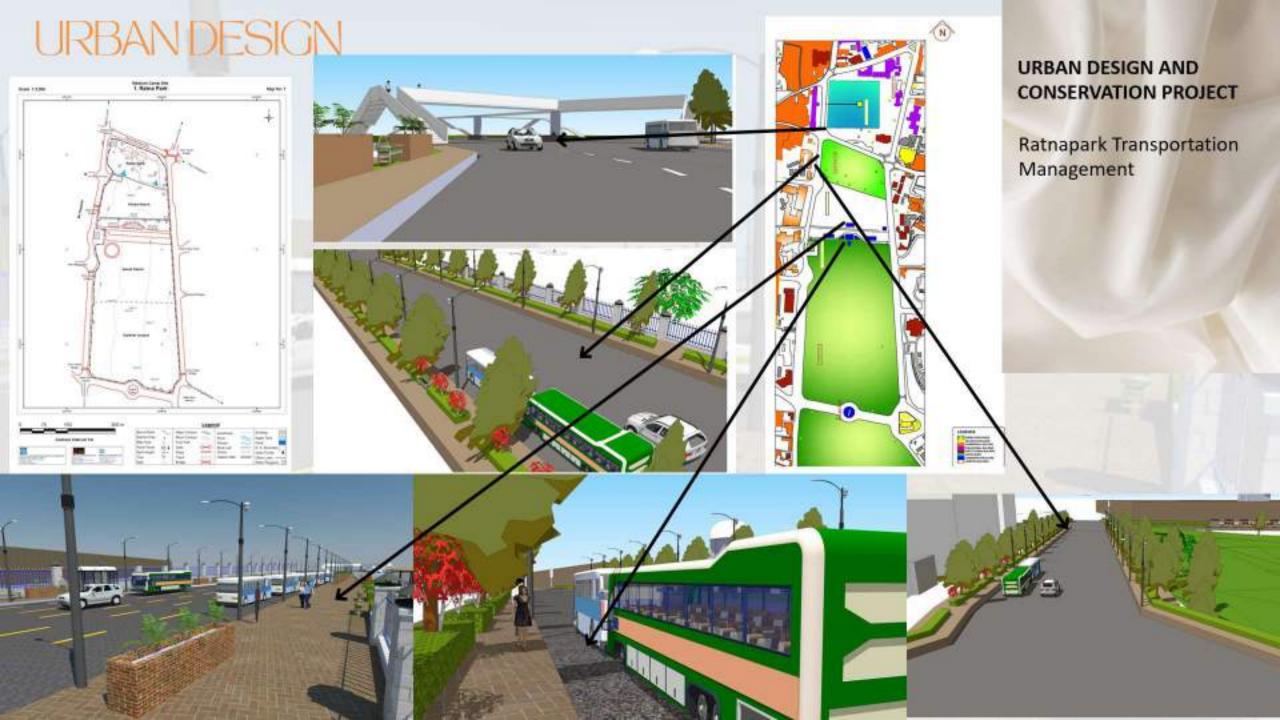


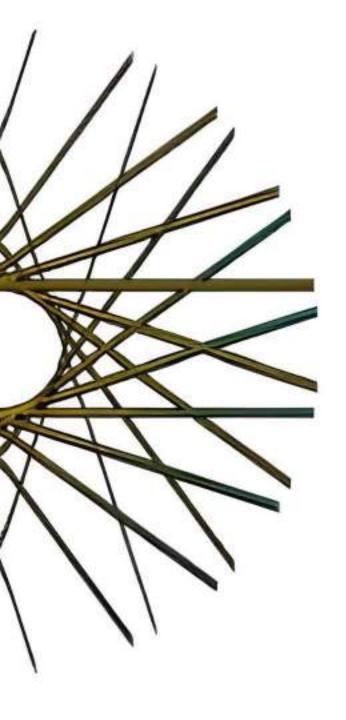
THESIS PROJECT









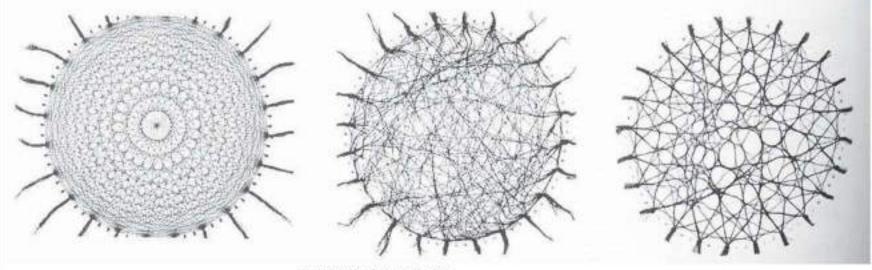


Computational Design Experiment

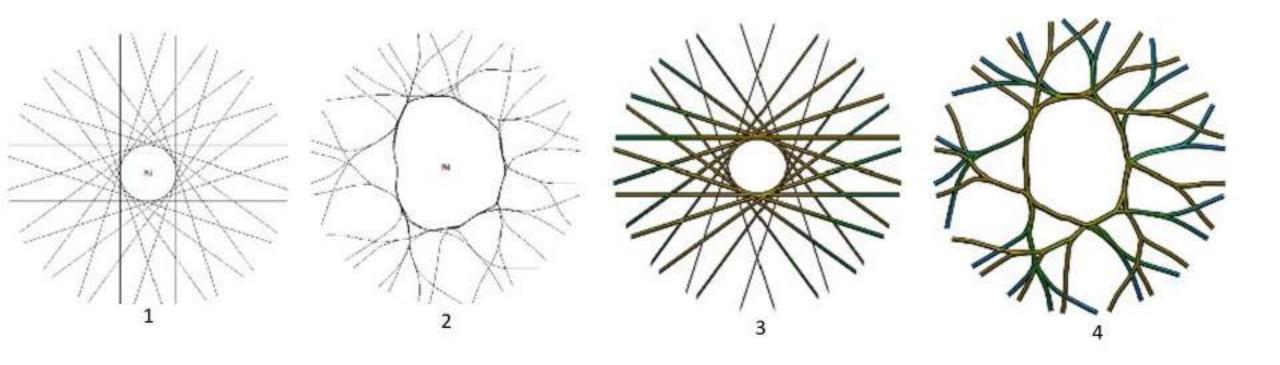
COMPUTATIONAL DESIGN

(Ref. Frei otto experiment)

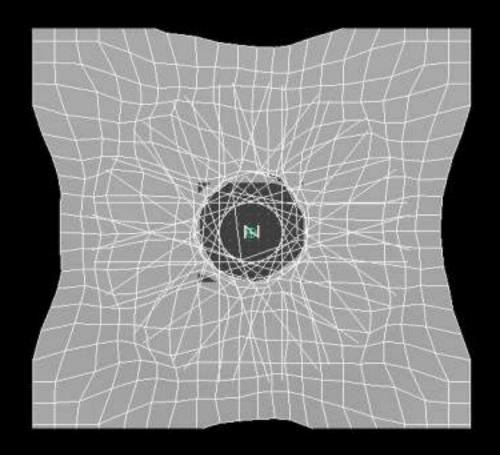
Minimal Pathways for grid deformation model using computational design. This is Frei Otto's experimentation with wool

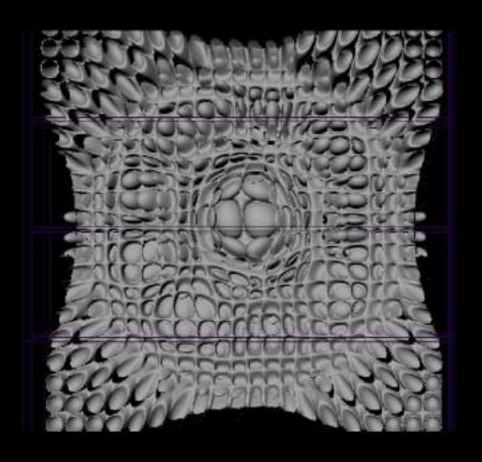


Frei Otto Experiments



COMPUTATIONAL DESIGN (REF FREI OTTO NHAIR SYSTEM EXPERIMENT)





5

Further addition of lattice to n-hair system experiment to make parametric form

COMPUTATIONAL DESIGN (REF FREI OTTO NHAIR SYSTEM EXPERIMENT)



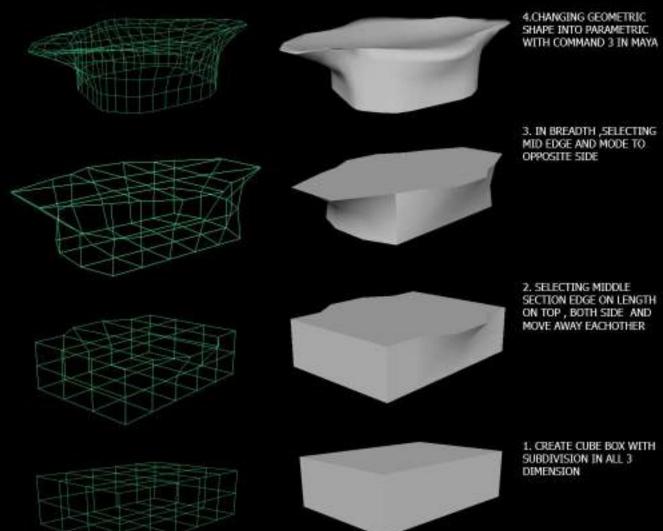
Render of parametric form

COMPUTATIONAL DESIGN EXPERIMENT (Ref. Zaha Hadid)

MAYA SUBDIVISION EXPERIMENT

Subdivision experiment of Aquatic Centre by ZAHA in Maya.





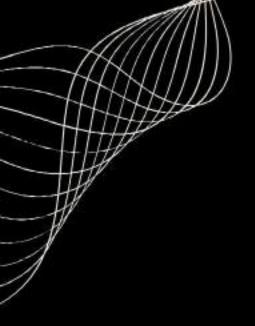
COMPUTATIONAL DESIGN EXPERIMENT (Ref. Zaha Hadid Aqua Cenire)



COMPUTATIONAL DESIGN EXPERIMENT (Ref. Zaha Hadid Aqua Cenire)



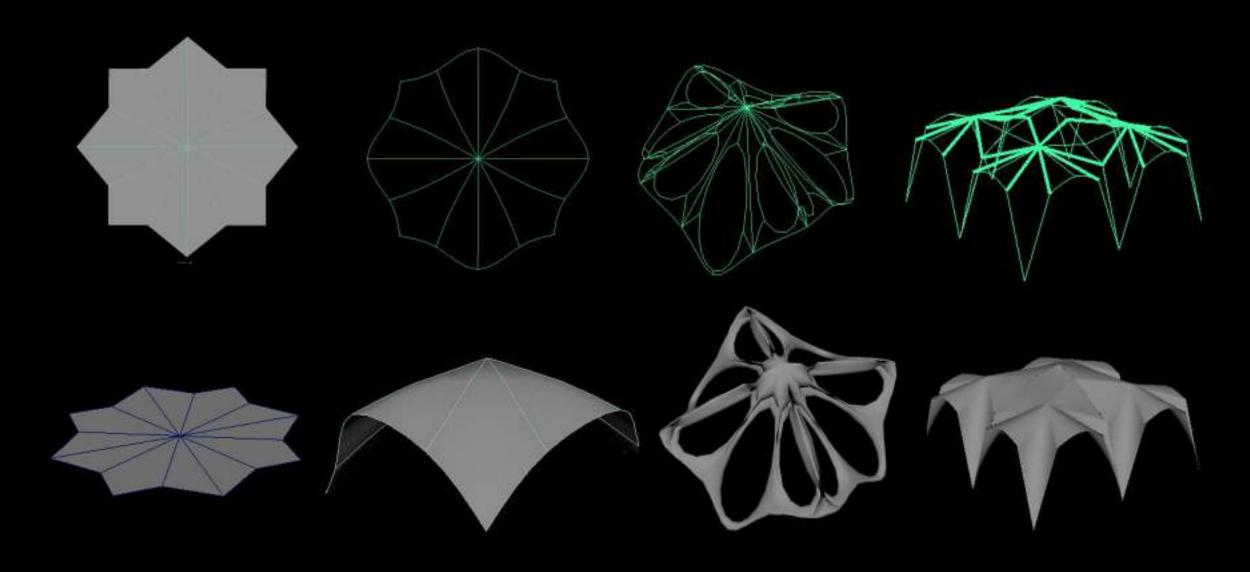




Computational Design Experiment For Minimal Surface. PAVILLION



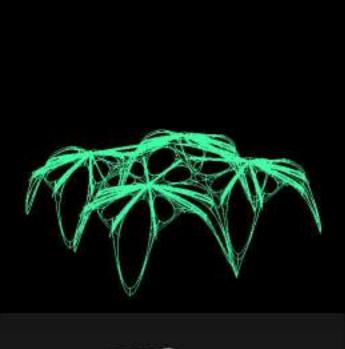
INITIAL GEOMETRY RESEARCH FOR MINIMAL SURFACE

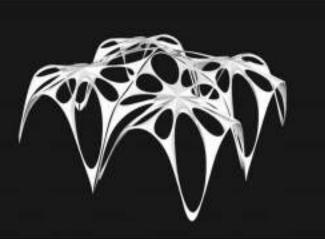




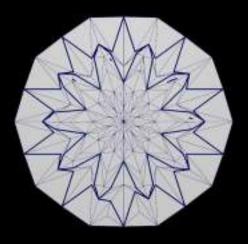


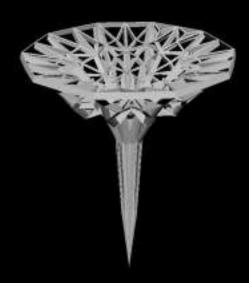
RENDER MODEL OF MINIMAL SURFACE PAVILION



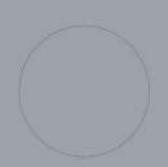


NEW PATTERN BASED ONTRADITIONAL



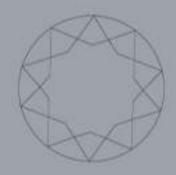


- 1. Start by drawing a circle
- Divide a quarter of a circle into five equal sections to make a decagon.
- 3. Make shames.
- A golden ratio rectangle is to that quarter,
- Create the shape inside the rectangle sing guidelines.
- Remove rectangle from the shape.
- In small scale use the SHAMSE to the shape











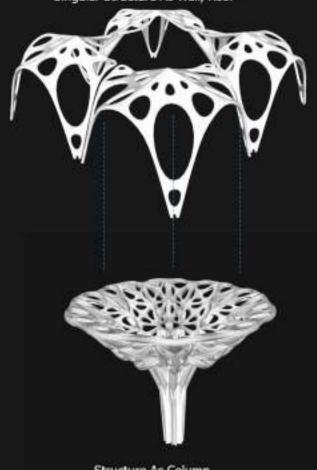




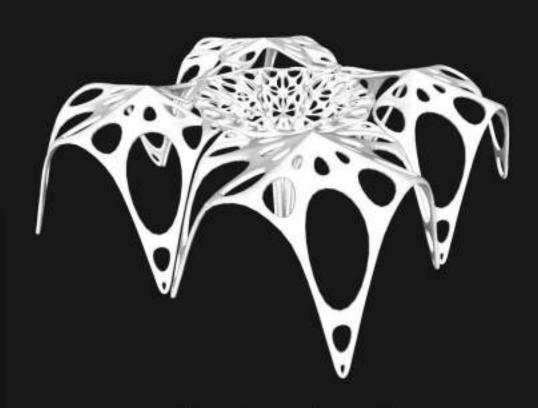


MINIMAL SURFACE: PAVILION

Singular Structure As Wall, Roof

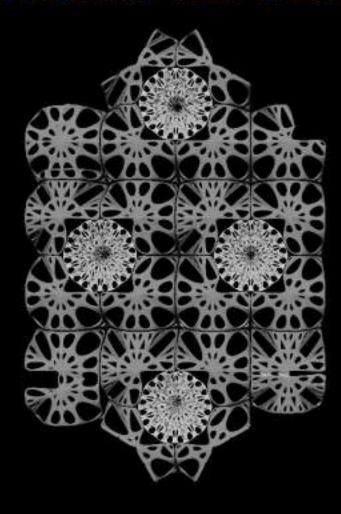




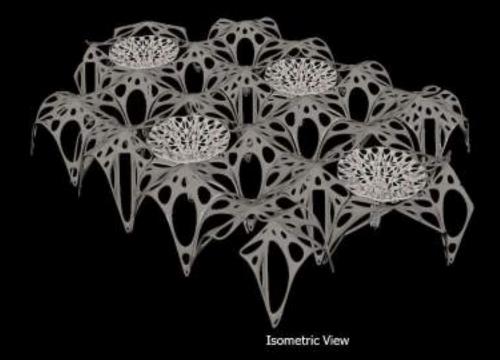


New Model by Combining Two different Model Structure

MINIMAL SURFACE: PAVILION



Top View





Design Inspiration: Wadi Rum, Jordan design by MEAN















RENDER VIEW OF MINIMAL SURFACE PAVILION













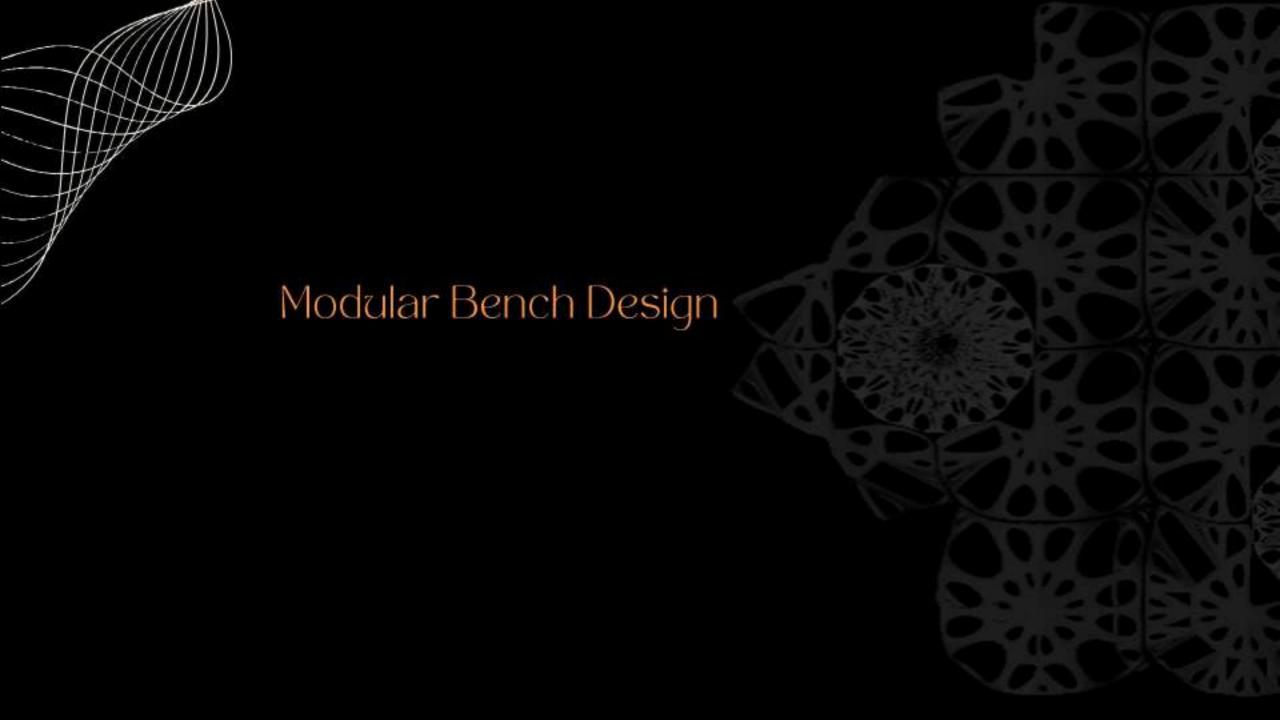












BENCH TRANSFORMATION

Geometric pattern inspired from historic Muqarnas.

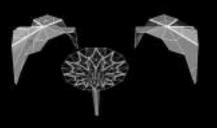


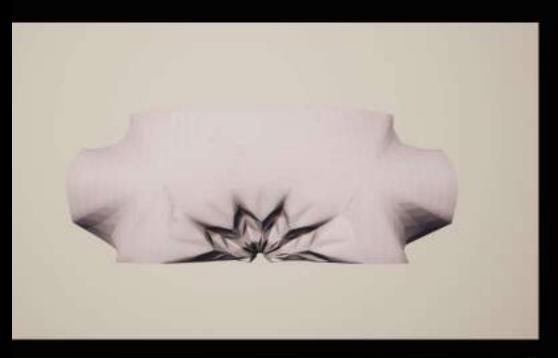










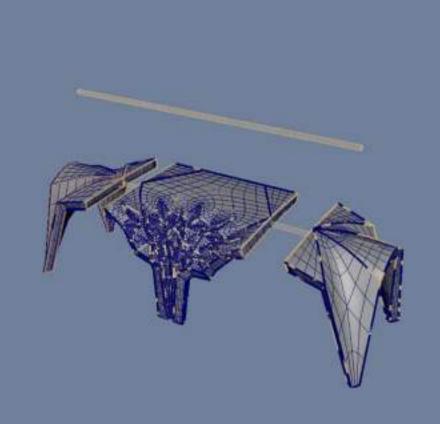


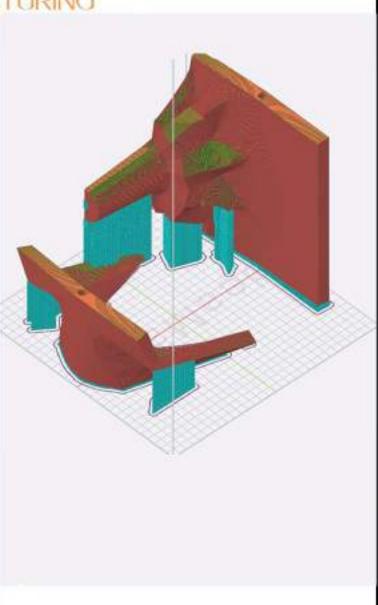


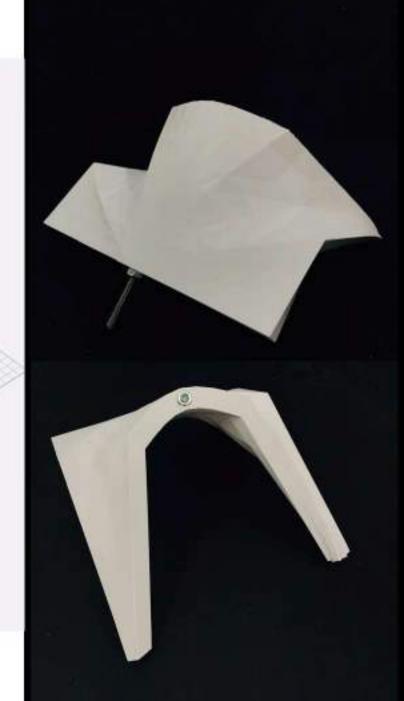




MODULAR BENCH DIGITAL MANUFACTURING







MODULAR BENCH . DIGITAL MANUFACTURING



- MODULAR BENCH . 3D
- VIEW





HISTORY ABOUT CROYDON

In past, this town was known for its lively retail, commercial, and cultural scene.

However, due to changes in the retail industry, the impact of the pandemic, the rise of new residential projects in the town center, and global challenges like climate change, it is necessary to produce a strong and sustainable vision and action plan to adapt and address these shifts effectively.

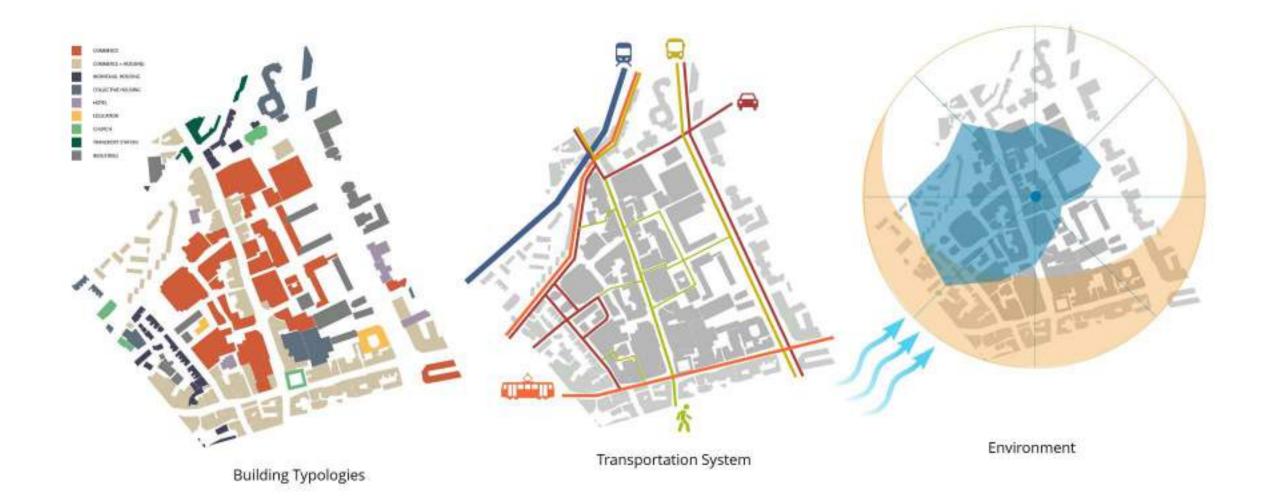




URBAN ANALYSIS



URBAN ANALYSIS



A modular housing system structural model



DESIGN PROPOSAL



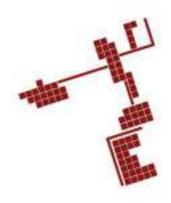
SPACES TO INCORPORATE DIFFERENT ACTIVITIES

DESIGN PROPOSAL

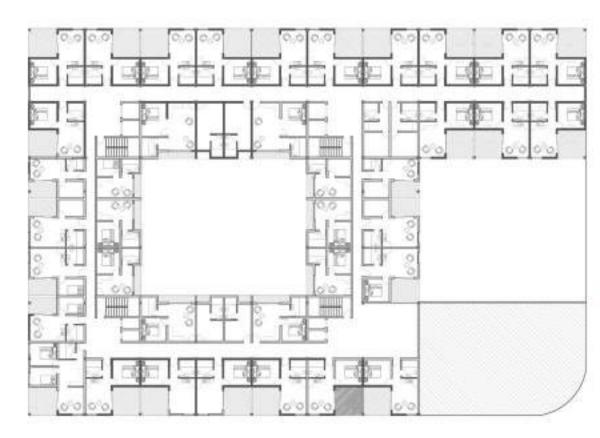


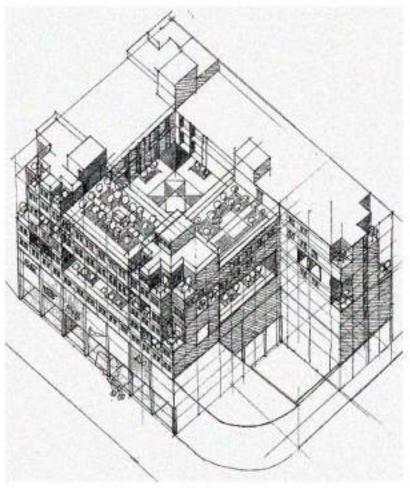
SPACES TO INCORPORATE DIFFERENT ACTIVITIES

PROPOSED HOUSING TYPOLOGY PLANS



- HOUSING TYPE PLAN-A
- HOUSING TYPE PLAN-B
- HOUSING TYPE PLAN-C





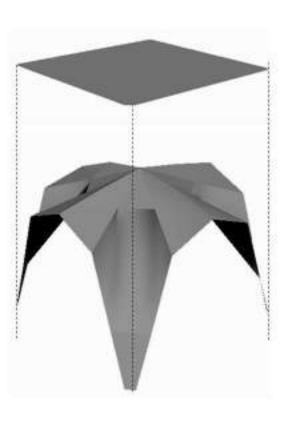
An idea in modularity and sustainability by utilizing a simple vaulted model

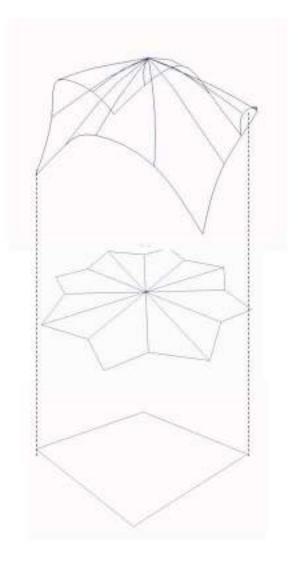
A vault that was created by combining geometric patterns and transforming them into a simple surface vault.

Process

- 1. Start with square.
- 2. Pattern integration.
- 3. A minimal surfaced vault Using and extrude command.
- Increase the number of quadrilateral faces and the crease.





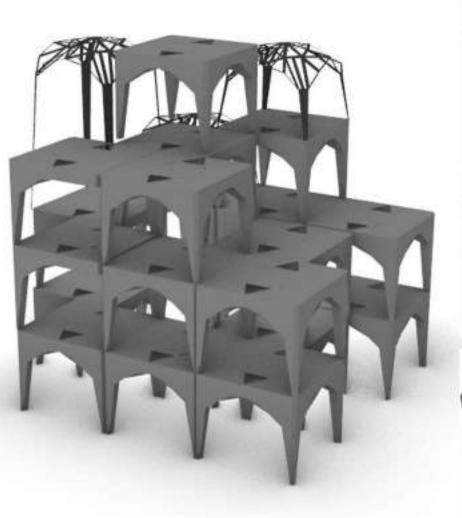


A modular housing system structural model

A Maya structural model of a modular housing system is a digital depiction of a construction concept created with Autodesk Maya software.

The structural model in this instance would represent the modular housing system components, such as prefabricated modules, their arrangement, and connections. The model might show the outside and inside of the modular units, as well as how they fit together to make a cohesive structure.

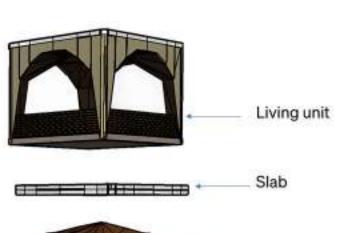






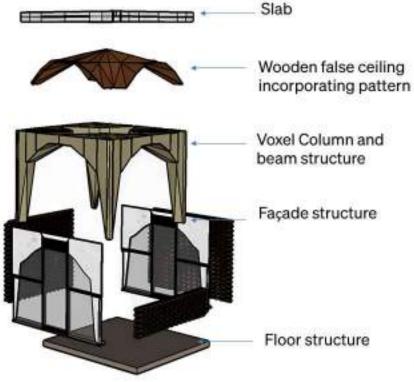
Variation of Vault we used in Model

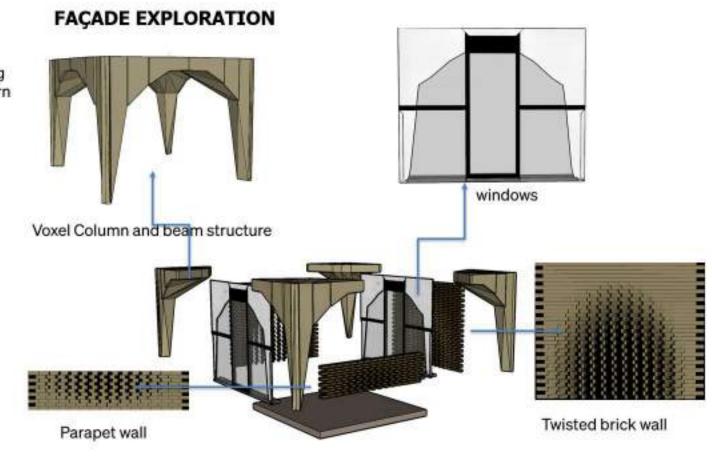
STRUCTURAL MODULE EXPLORATION



A contemporary living unit, with concrete block slab ensures stability and open floor plans. A wooden false ceiling, adorned with intricate patterns, adds warmth and diffuses light creatively. Voxel-inspired columns and beams combine aesthetics with support, creating a unique, sculptural quality. Façade structures integrate doors and windows seamlessly, optimizing natural light and ventilation. The floor structure prioritizes load distribution and insulation for comfort and energy efficiency.

These elements harmoniously blend functionality and aesthetics, transforming the living unit into an inviting, modern space that aligns with contemporary design principles.







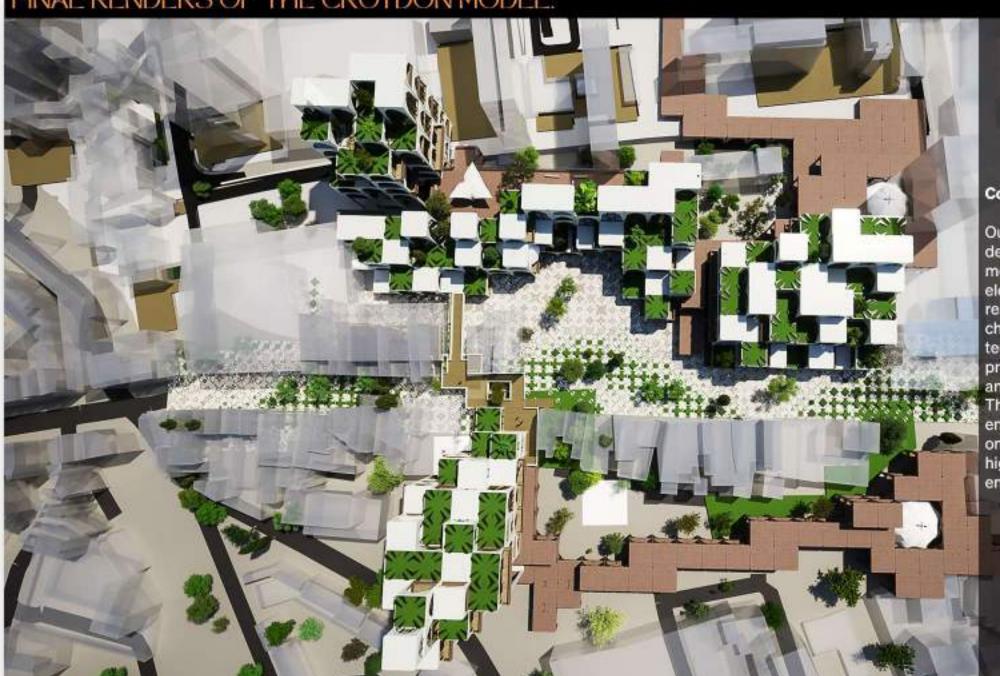
Our vision

Croydon City redevelopment proposal blends sustainability, modular design, and traditional Islamic aesthetics. It integrates eco-friendly modular construction techniques, renewable materials, and intricate Islamic patterns. A green roof garden provides a lush urban oasis, enhancing biodiversity and air quality.

Contemporary elements harmonize with traditional motifs, offering a timeless character and modern comforts. The development includes mixed-use spaces, catering to diverse community needs. Our vision is to create a sustainable, culturally rich, and aesthetically pleasing urban environment, setting a model for harmonious city living in Croydon.



FINAL RENDERS OF THE CROYDON MODEL.



Contemporary Design Integration:

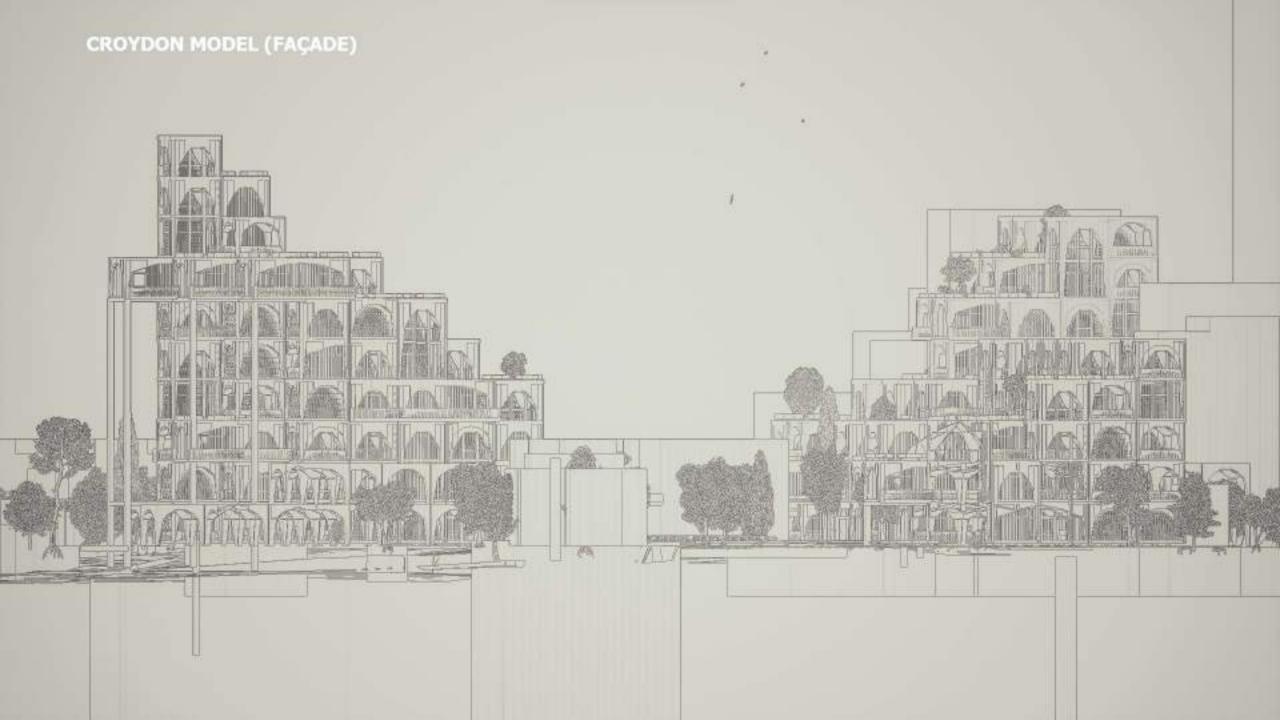
Our project excels in contemporary design seamlessly integration, merging modern architectural elements with traditional motifs, resulting in a distinctive and enduring character. cutting-edge With technology and contemporary design principles, we prioritize the comfort and convenience of all occupants. This fusion of tradition and innovation ensures that our development not only stands out but also provides a high-quality living and working environment for everyone involved

CROYDON MODEL (FAÇADE)

 Project draws from traditional Islamic architecture, infusing it with intricate patterns and vaults that enrich the cityscape with a unique cultural dimension. These elements are not just aesthetic, they deliver practical advantages like natural ventilation and shading. This blend of tradition and functionality not only enhances the visual appeal of our design but also underscores its commitment to sustainability and thoughtful urban planning.









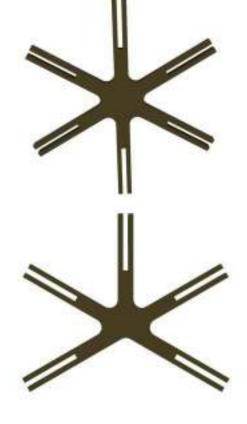




FINAL RENDERS OF CROYDON DESIGN.

TRILLIUM PAVILION







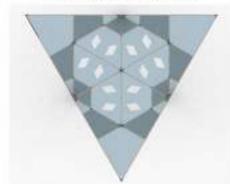


Joinery detail

TRILLIUM PAVILION

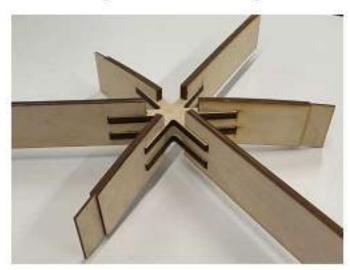


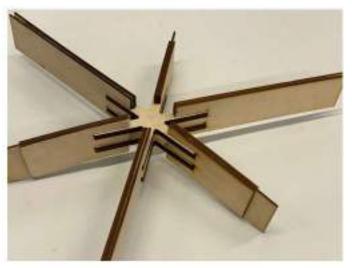
Roof Panel Top View





Digital Manufacturing









PROECTS

All the planning and 3D modelling are prepared according to the requirements of the clients.



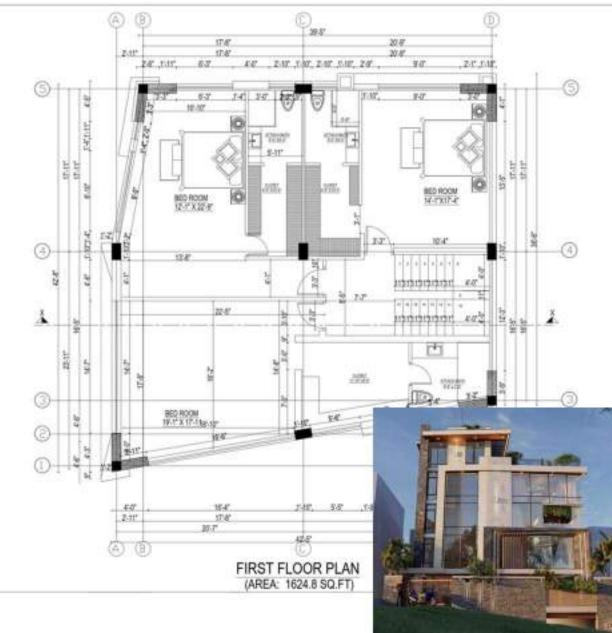






RESIDENCE DESIGNS

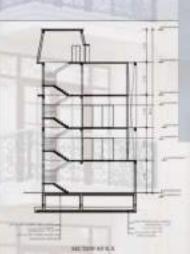




NEOCLASSICAL DESIGN

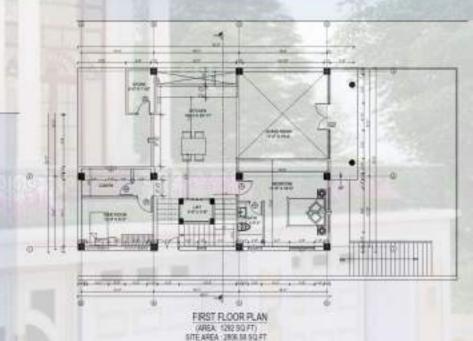
Residence







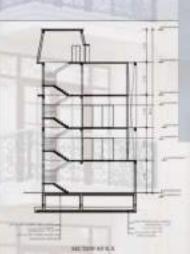
Final Design



NEOCLASSICAL DESIGN

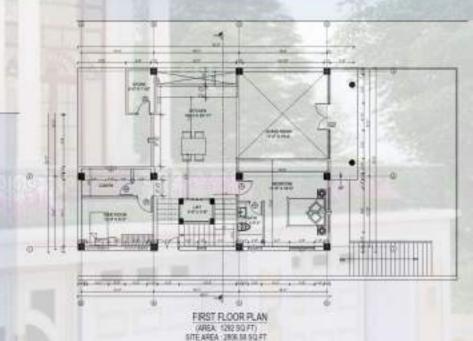
Residence







Final Design



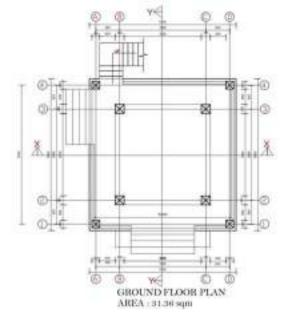


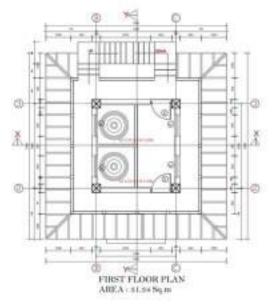


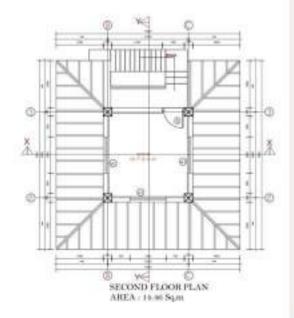
A Multipurpose activity park designed for Malikarjun Municipality, Shankarpur, Darchula Nepal

The scarcity of major parks along with the vision of local representatives on establishing the place as a religiously significant place has allowed for the swift construction of the conservation and maintenance of the UKU MAHAL area. The total area allocated for the proposed park is 559386.26 sq. ft. The planning of the park is done diligently. The administrative building is kept on the south side of the proposed main park area. The entrance is kept on the west side whereas the mandir(temple) area is proposed at the northern side of the park. Proposed internal footpaths are kept as links between different land patches and buildings. A separate stairway to Basuki(statue) is also provided. Open spaces are provided in between all buildings for fresh air cross ventilation in the building.

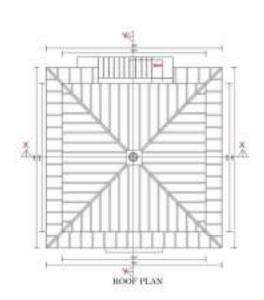
Purpose: To benefit the local people directly as well as indirectly with the addition of the international and domestic tourism

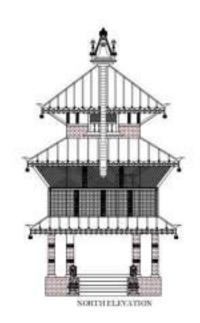


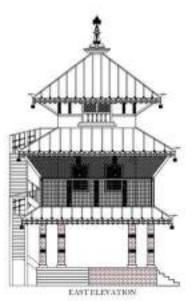


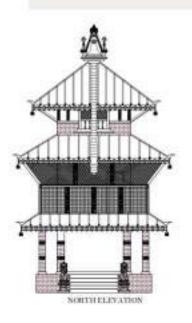


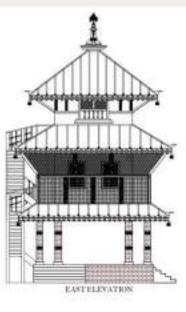
A Devi Mandir (Goddess Temple):
One of the main temples in this conservation area. This temple is predicted to be visited by a huge number of visitors from all around the country and also from the neighbouring country India.













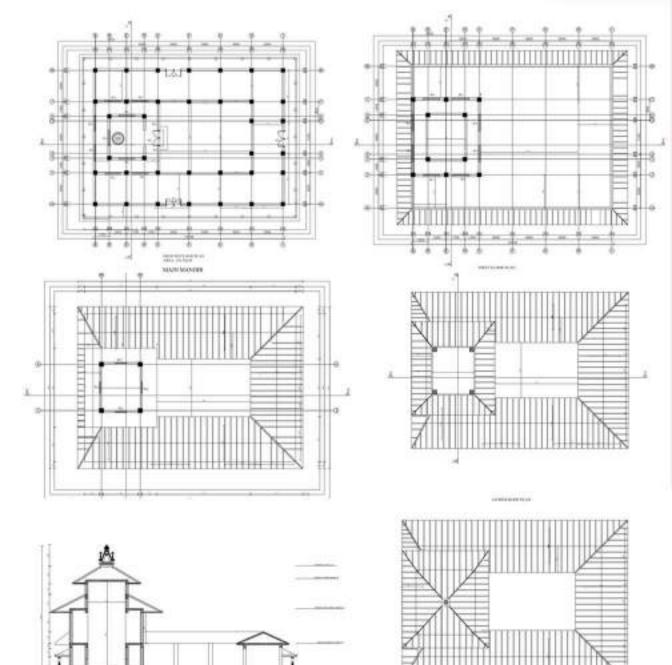
Master Plan of Malikaarjun Temple

Location : Shankharpur, Darchula, Nepal

Area: 296474.06 sq.ft

The planning of the mandir is done meticulously. The Main Temple is presiding in the heart of the proposed main temple area. The Main Entrance for the mandir is kept on the northeast side nearly a kilometre far from the temple premises whereas a similar secondary entrance is proposed at the north-eastern side of the temple. The main entrance is connected to the secondary entrance by a motorable earthen road. The Proposed premises hold a seminar hall for sacred gatherings and other religious purposes. A couple of public general halls for the meetings and gatherings hold the pilgrims and visitors. A couple of larger guest houses for distinguished guests and a comparatively smaller one for the general public has been provided. There is a pre-existing helipad in the centre of premises. A cluster of smaller temples is also strewn throughout the premises with the purpose of establishing a religious environment all around. A yajna is provided at the front of the main mandir to hold religious pujas, marriages and other cultural rituals. Proposed internal footpaths are kept as links between different land patches and buildings, a separate secondary gate at the southwestern side is also provided. Open spaces are provided in between all buildings.

Purpose: To attract local as well as international tourists which might help in growing economical growth of the Far Western region of Nepal

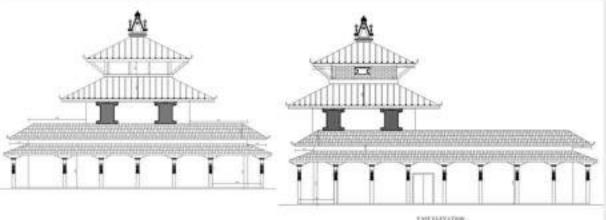


Reconstruction of existing temple of Malikarjun Temple

The main temple of the Malikarjun Dham in the heart of the area needed reconstruction. This temple serves as the soul and life of the area. The number of religious pilgrims is believed to increase with the establishment of a bigger temple in this area.



Existing Malikarjun Temple



MUSEUM DESIGNS



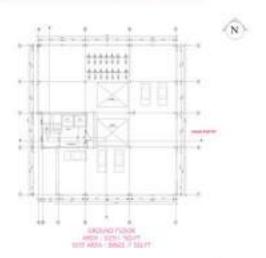






COMMERCIAL APPARTMENTS (CLASSICAL DESIGNS)













MODERN DESIGN



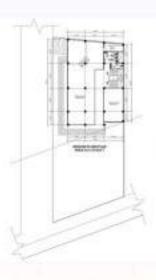
STUDIO-1

1STFLOOR PLAN AREA:2027 SQ.FT

























RESORT RECONSTRUCTION AND RENOVATION

A new space for the restaurant, banquet hall and outdoor space was added to this hotel.

Location: Lamjung, Nepal.

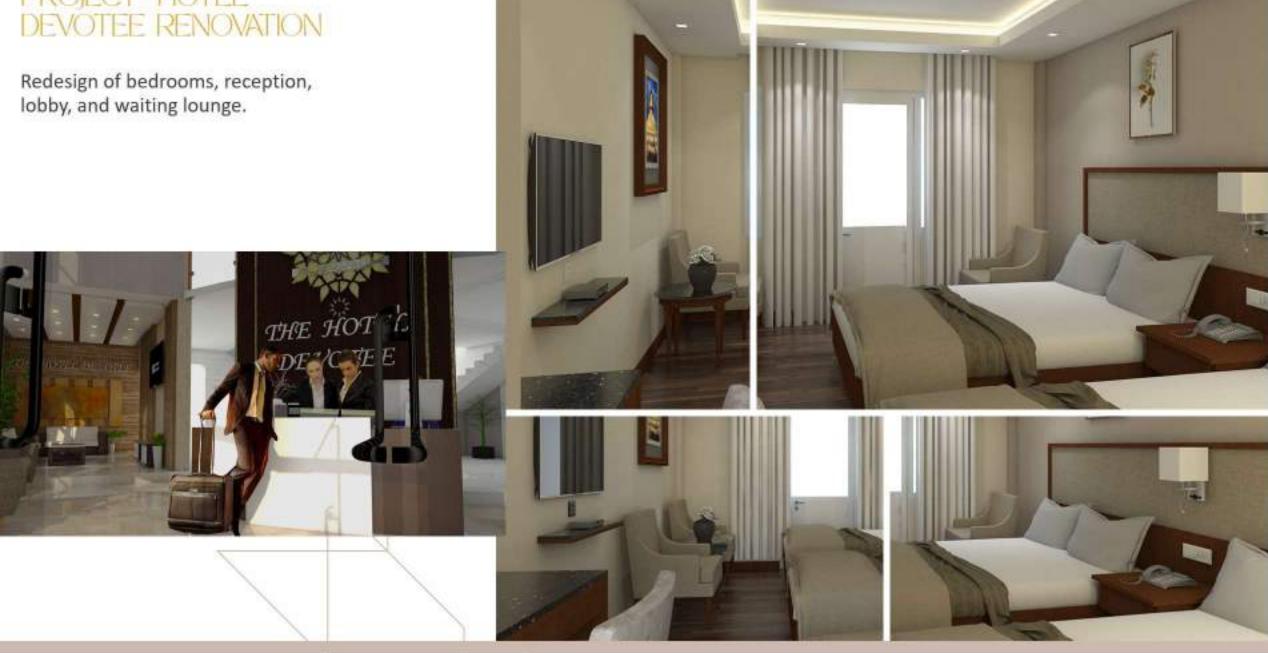








PROJECT - HOTEL DEVOTEE RENOVATION



BEDROOM DESIGNS







BEDROOM DESIGNS





BEDROOM DESIGNS





LIVING ROOM DESIGN





LIVING ROOM DESIGNS







LIVING ROOM DESIGN







SKIN CLINIC

A cosmetic dermatologist wanted to make a small private skin clinic beside her own residency.

Area: 550 sq.ft.
The design includes a reception area, waiting area and surgery space.





SKIN CLINIC









THANK YOU

UB URMILA BADE

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- o ub_architecture