

ARCHITECTURE PORTFOLIO

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SHUBHANSHU SINGH

Bachelor of Architecture
School of Planning and Architecture, Bhopal

- DOB: Aug. 30, 1994
- Sex: Male
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EDUCATIONAL QUALIFICATIONS

- Bachelor of Architecture, 2013-2018
CGPA 6.98/10
School of Planning and Architecture, Bhopal
- Higher Secondary, 2012, CBSE, 91.2%
Indira Memorial Sr. Sec. School, Sirsaganj
- Secondary, 2010, CBSE, CGPA 9.4/10
Indira Memorial Sr. Sec. School, Sirsaganj

PROFESSIONAL EXPERIENCE

- 21 Weeks Internship, 2017
Prashant Pradhan Architects, Gangtok
- 4 Weeks Internship, SPA Bhopal, 2015
Documentation of vernacular architecture of Chanderi

SOFTWARE

Drafting AutoCAD
BIM Revit Architecture
3D Modelling Trimble SketchUp
Graphics and Publishing Adobe Photoshop
Adobe InDesign
Rendering Lumion
V-Ray SketchUp
Video Editing Adobe After Effects
Structure Analysis STAAD Pro

RECOGNITIONS

- 2nd Prize, Integral Studio, 2016
Re-development of Bhopal Junction Railway Junction
- Top 8, Laurie Baker Trophy, NASA 2015
Adaptive reuse of Shasikiya Ubeidiya High School
- Top 15, South Asian Student Design Competition, 2015
Skill Development Centre based on vernacular design

WORKSHOPS

- 2016 Illumination Workshop
by Philips Lighting Academy
- 2014 Design Thinking Process
Integral Studio 2014
- 2014 Understanding Plumbing
Building Services, Semester VI
- 2013 Universal Design Workshop
Integral Studio 2013 (Simhastha)

PUBLICATION








- Co-author, Chapter1
Vernacular Settlements in Chanderi:
Towards Innovation and Sustenance
ISBN 819279812-7

EXTRA-CURRICULAR

- Founder, Etcetera, Film Society, SPA Bhopal
- Member, Rotaract Club, SPA Bhopal

CONTENTS

"Architecture is the art which is created on the canvas of the earth. It is not just an agglomeration of space arrangement, aesthetics, engineering, technology and innovation but an entity taht maintains and decorates the history of the mankind."

ACADEMIC	LAKE SIDE URBAN DESIGN	
	HALF COURTYARD HOUSE RESIDENCE	
	THE LOOP ART GALLERY	
	HUNARSHALA VERNACULAR ARCHITECTURE	
PROFESSIONAL	YUTHOK SHEMLA HOTEL HOTEL	
	NEWARI GUTHI BHAWAN HOTEL	
	PUBLICATION	



LAKE SIDE URBAN DESIGN

Design of art gallery based on the concept of Möbius Strip.

Semester IX, Design Studio, 2017

Key Words:

Urban Design, Bhopal Lake Side

Software used:

AutoCAD, SketchUp, V-ray, Photoshop

The site is located in the old part of Bhopal city. The site covers highly dense residential and commercial streets which are of both cultural and historical importance. The site consist of three buildings of historical and cultural significance i.e. Central Library, Sultaniya Zanana Hospital, Saidiya Middle School and many mosques. It is also in the proximity of Bhopal junction Railway Station. Majority of the population living here is Muslim. Lower lake and Sri Kalika Temple also comprises the important parts of the site.



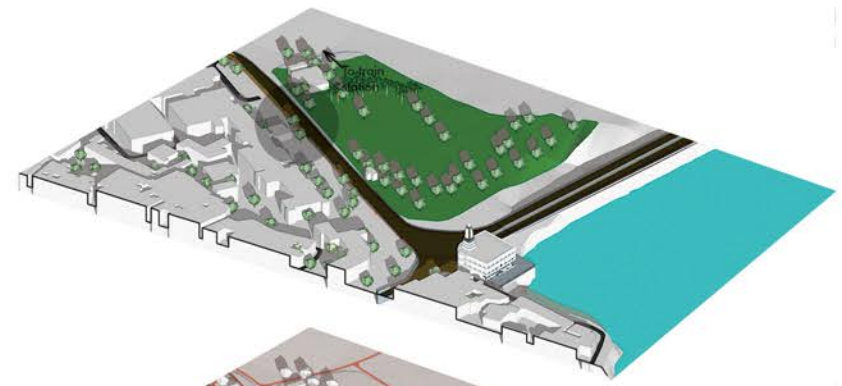


Important hospital of the region and the park serving as recreation zone for the patients and visitors

High speed roads and important BRTS corridor

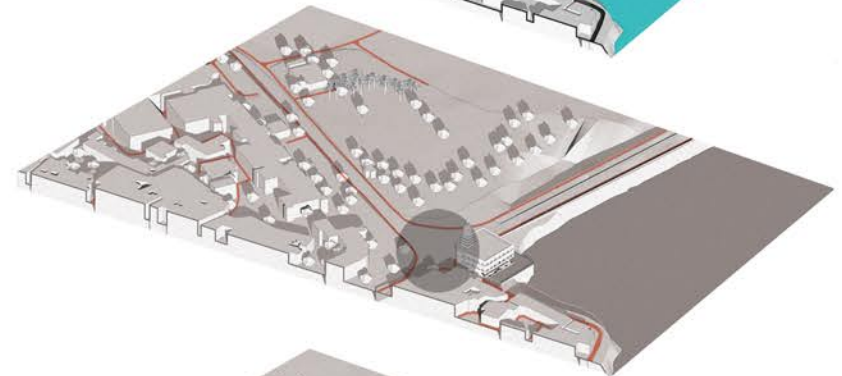
Sri Kalika Temple and Central library other 2 important landmarks in the site

Road and BRTS network



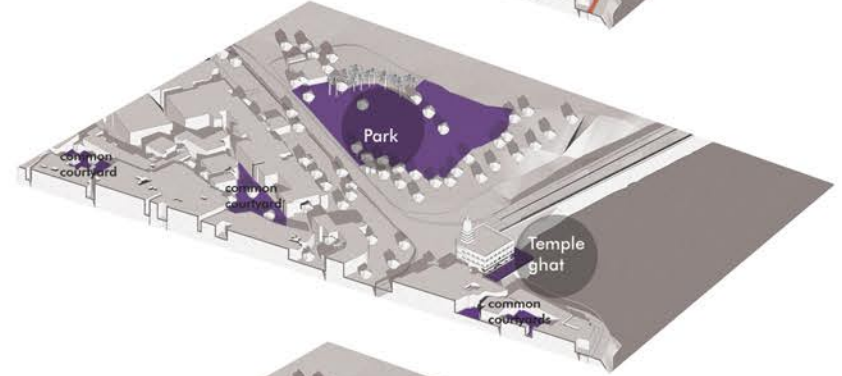
-BRTS stand required near the hospital

Pedestrian



-Pedestrian and vehicular junctions clash near the temple.
-Separate entry for temple required

Public Semi-Public



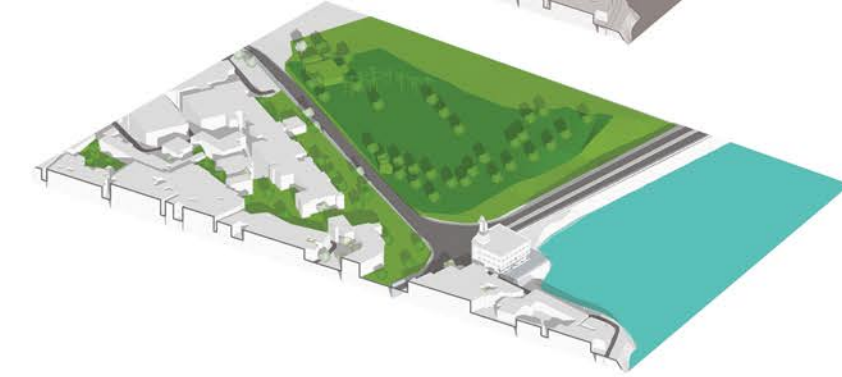
-Major part of the park inaccessible due to terrain
-Ghat is often overcrowded

Amenities



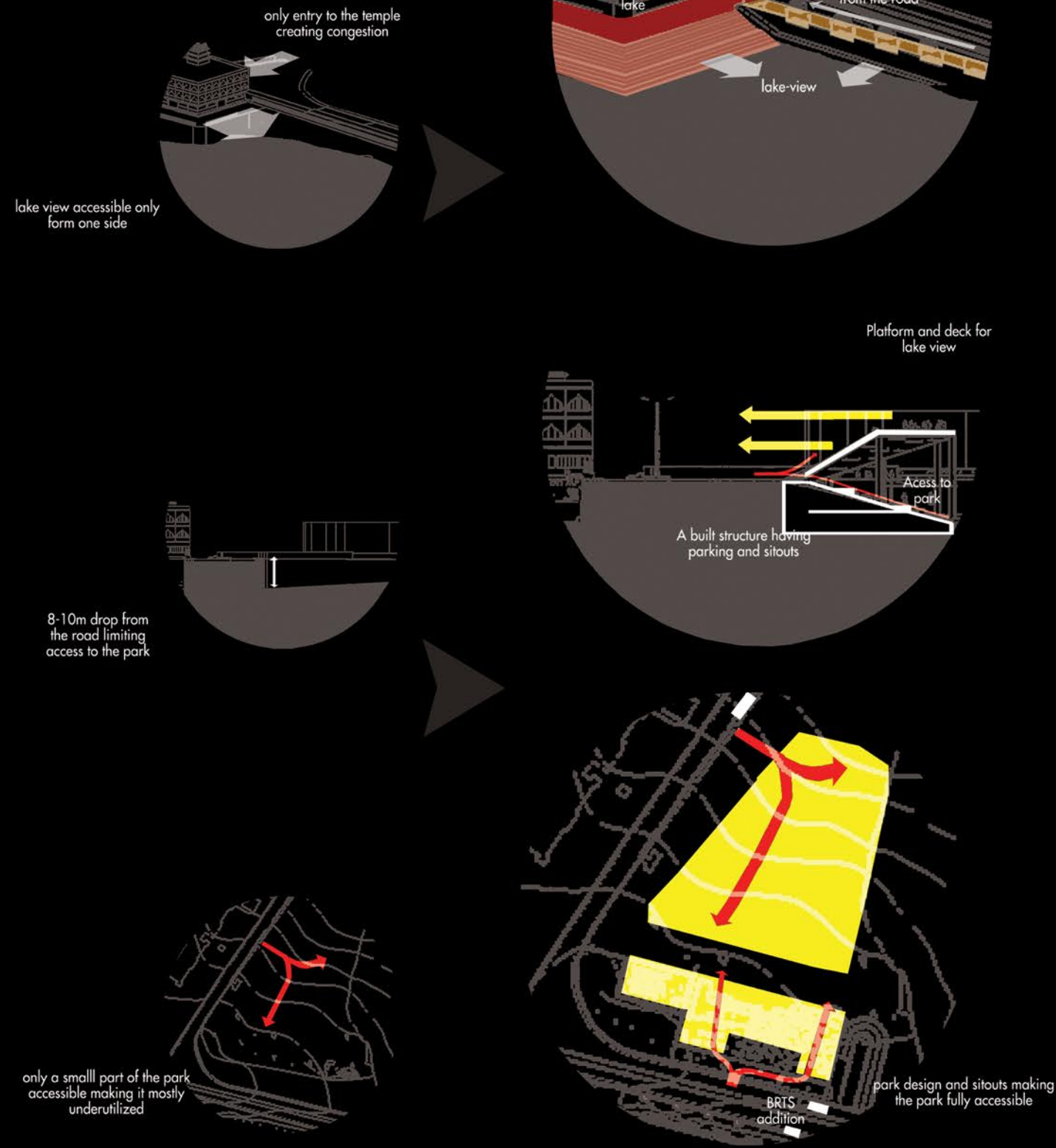
- These two buildings influence the flow of pedestrians.

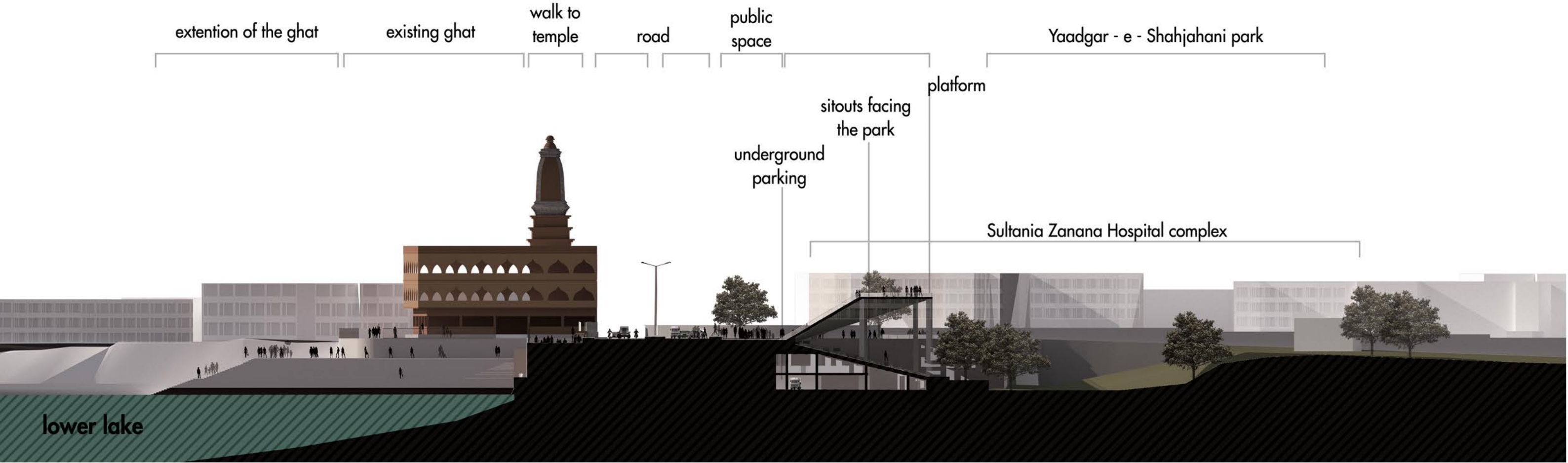
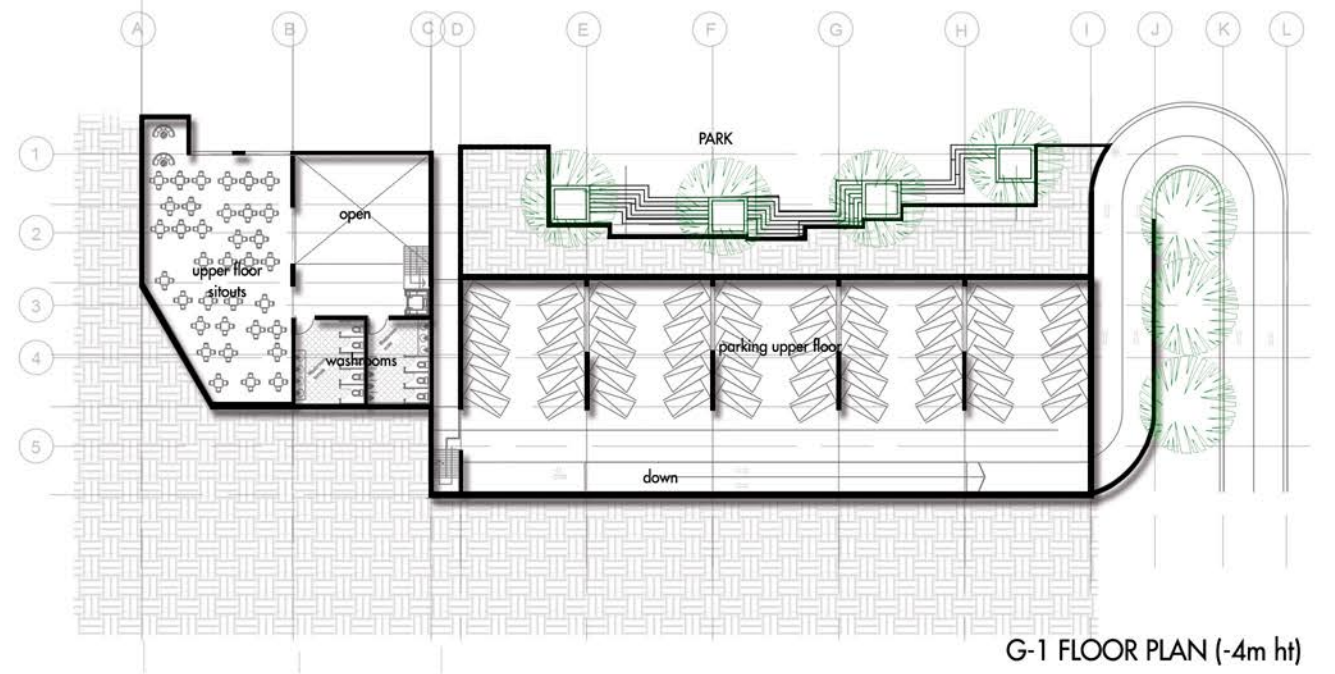
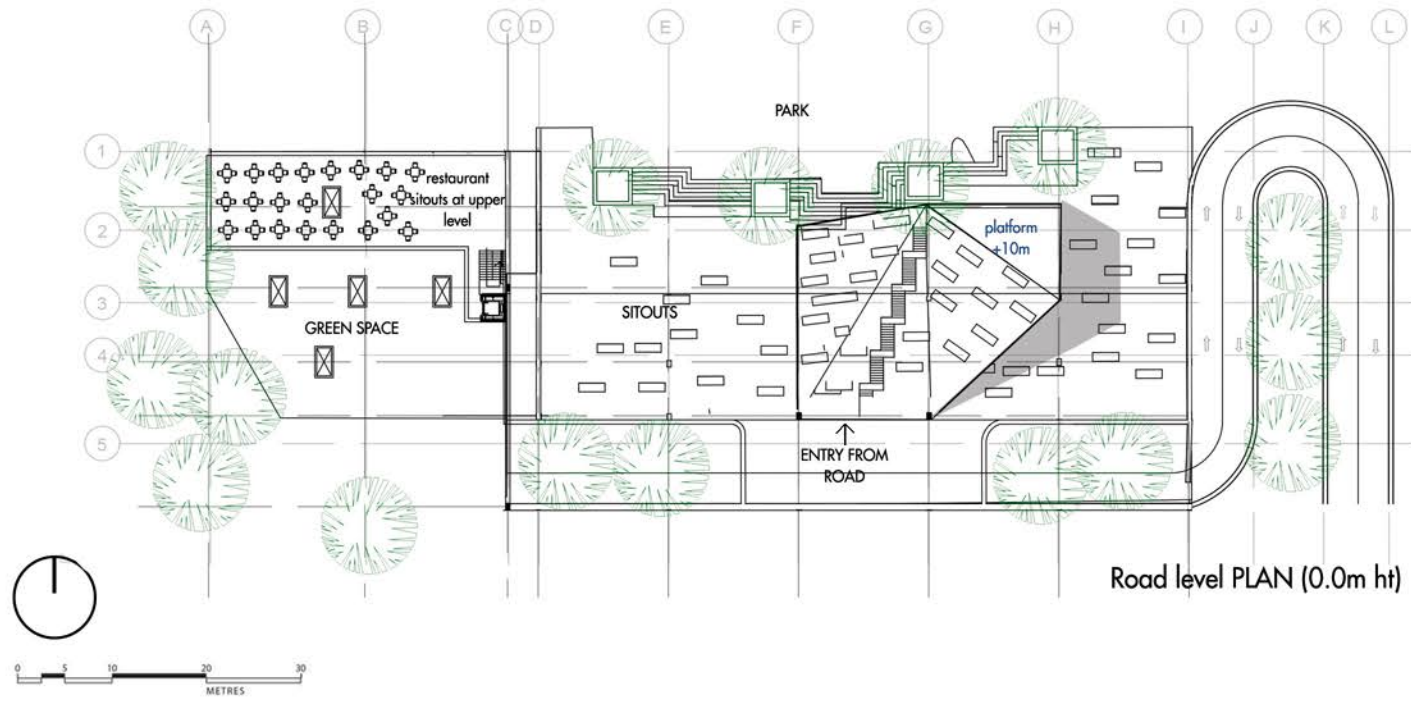
Lake and Vegetation



-A connection can be made for the visitors of the temple and the park

PROPOSAL









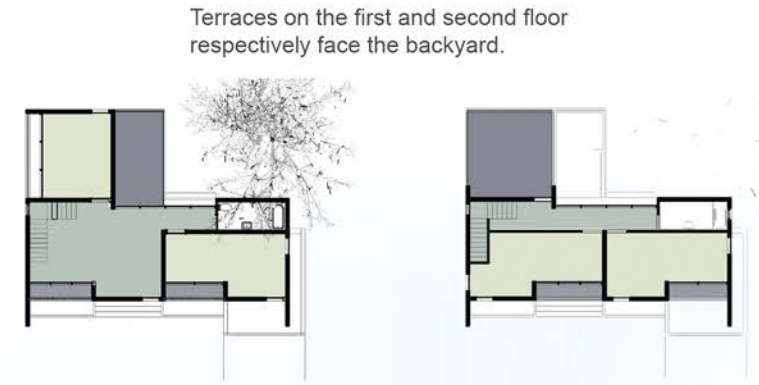
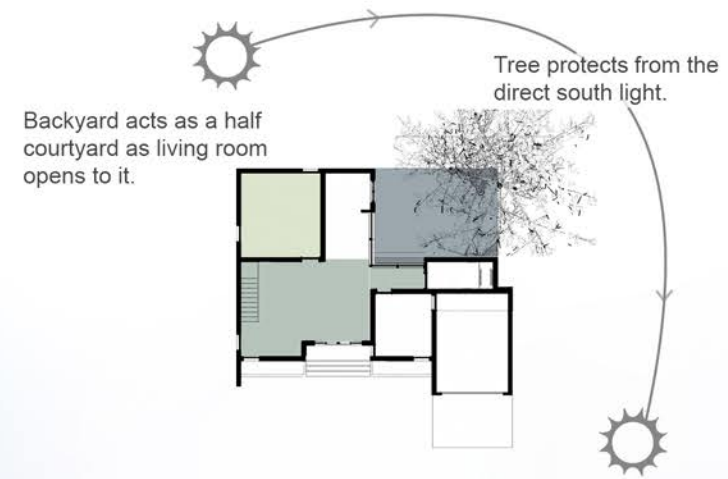
HALF COURTYARD HOUSE RESIDENCE

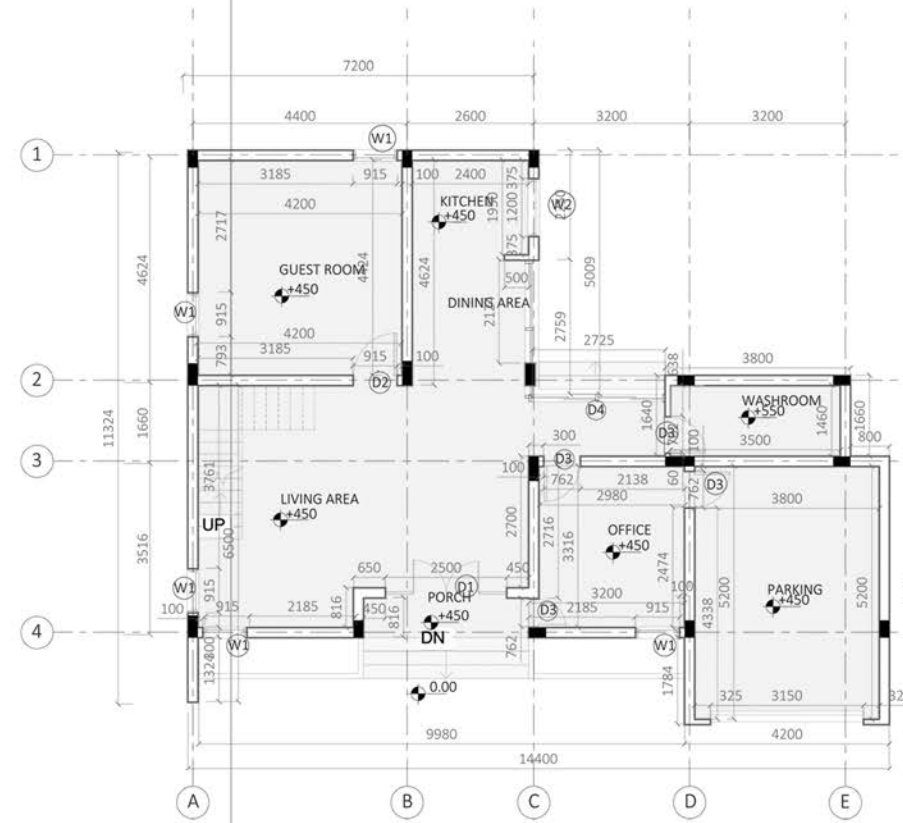
Residence design for an family of five on a 20x15 m plot.

Semester IV, Design Studio, 2014

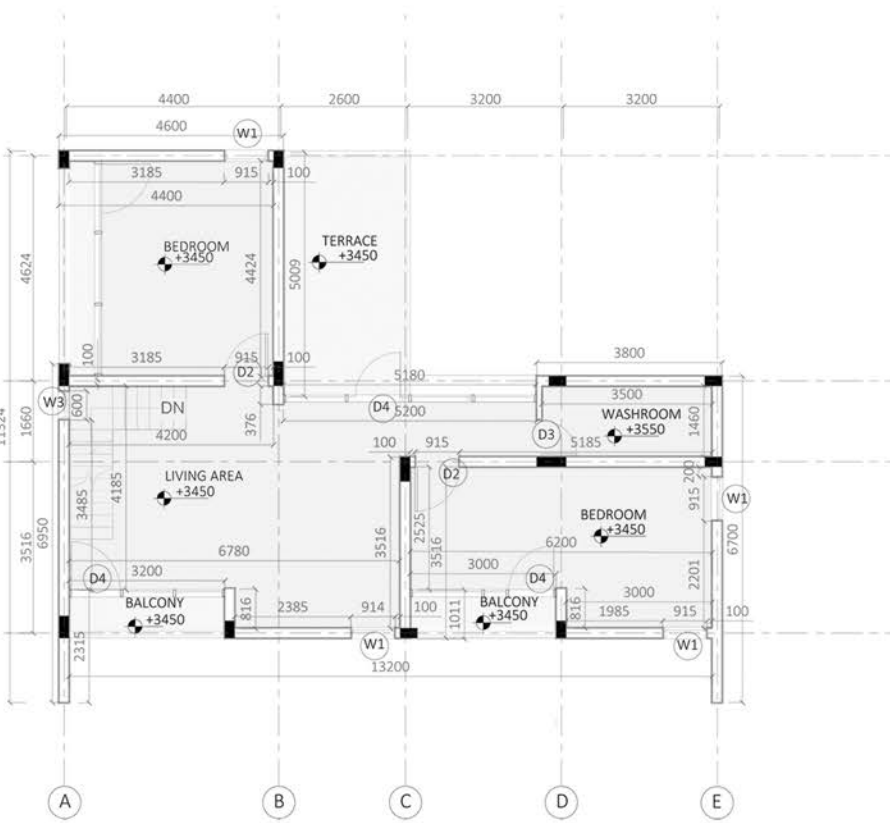
Key Words:
Residence, Courtyard

Software used:
Revit Architecture, AutoCAD, SketchUp,
V-ray, Photoshop

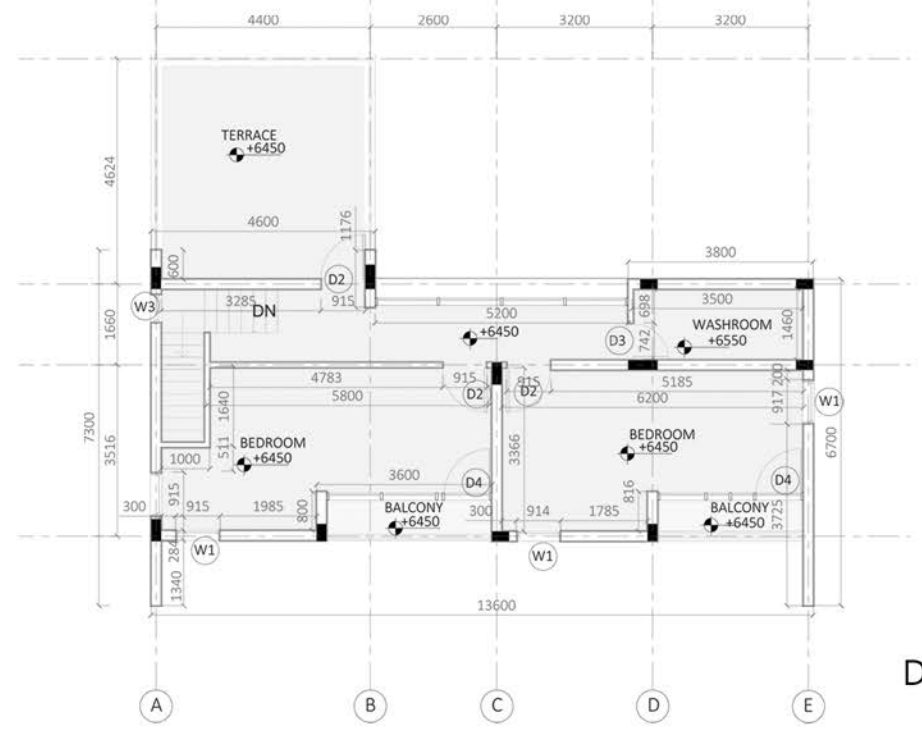




GROUND FLOOR DETAILED PLAN

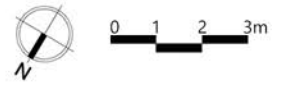


FIRST FLOOR DETAILED PLAN

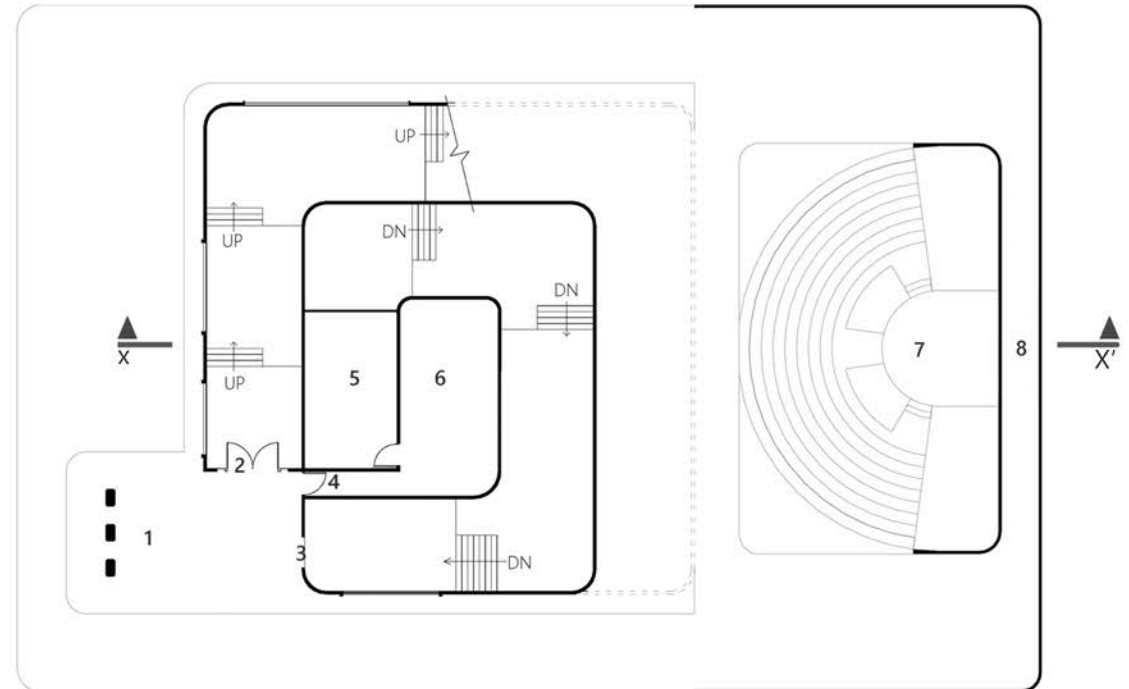
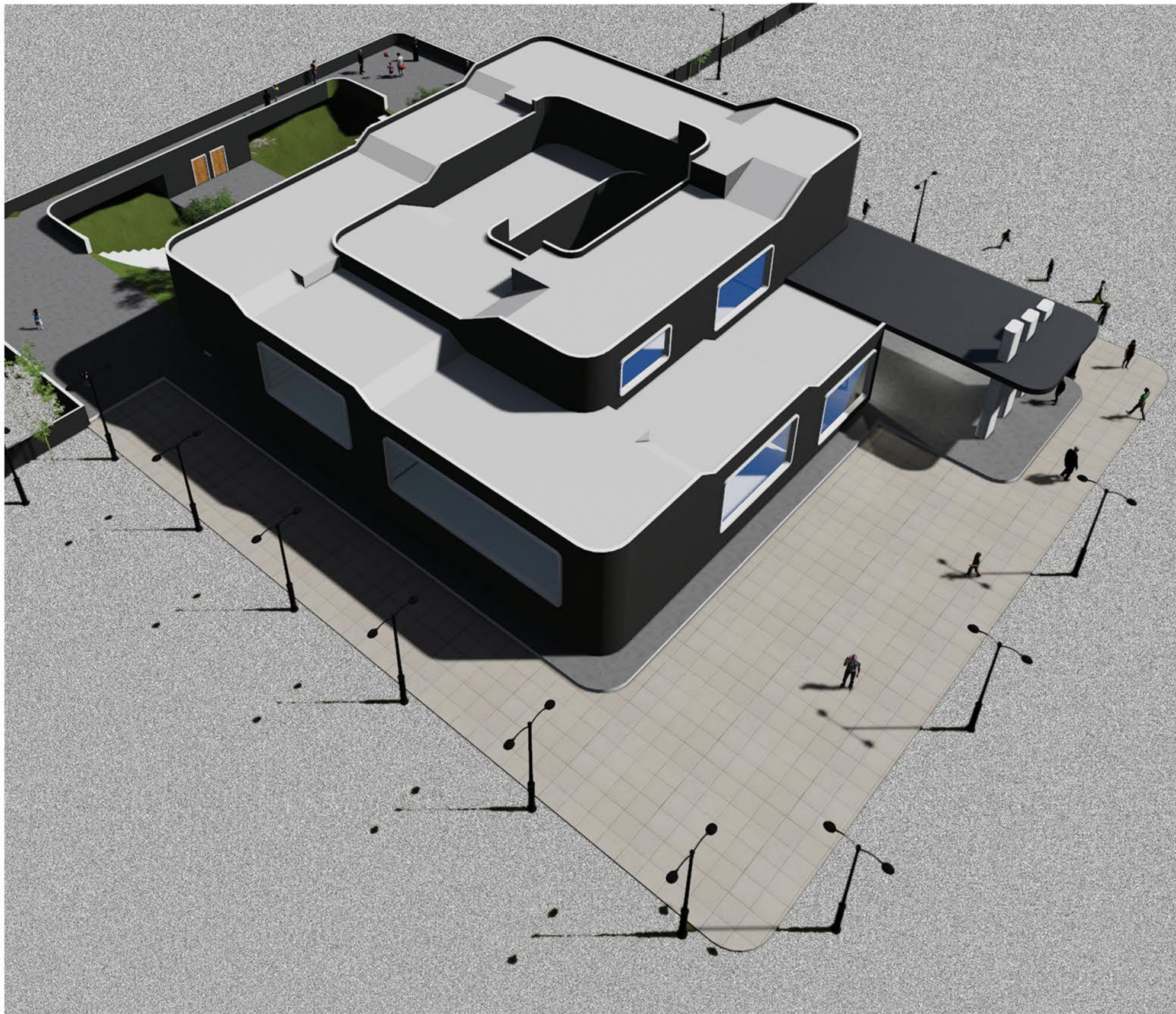


SECOND FLOOR DETAILED PLAN

DETAILED DRAWINGS

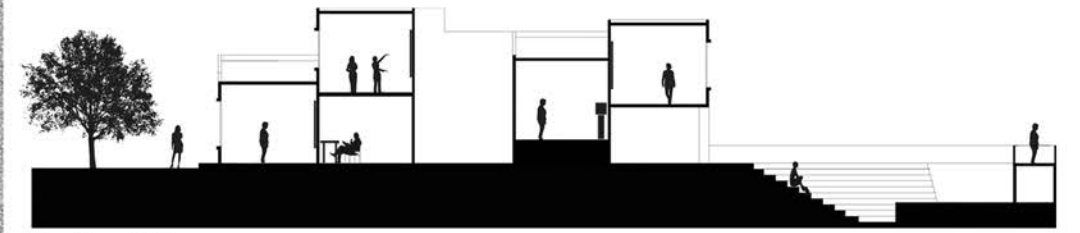




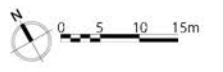


Plan

1. Porch	3. Exit	5. Office Work Space	7. O.A.T.
2. Entrance	4. Office Entrance	6. Inner Courtyard	8. View Point



Section XX'





HUNARSHALA VERNACULAR ARCHITECTURE

Design for the building of "Women Skill Development Centre" using vernacular techniques.

Citation
World Top 15, South Asian
StudentsDesign Competition, 2015

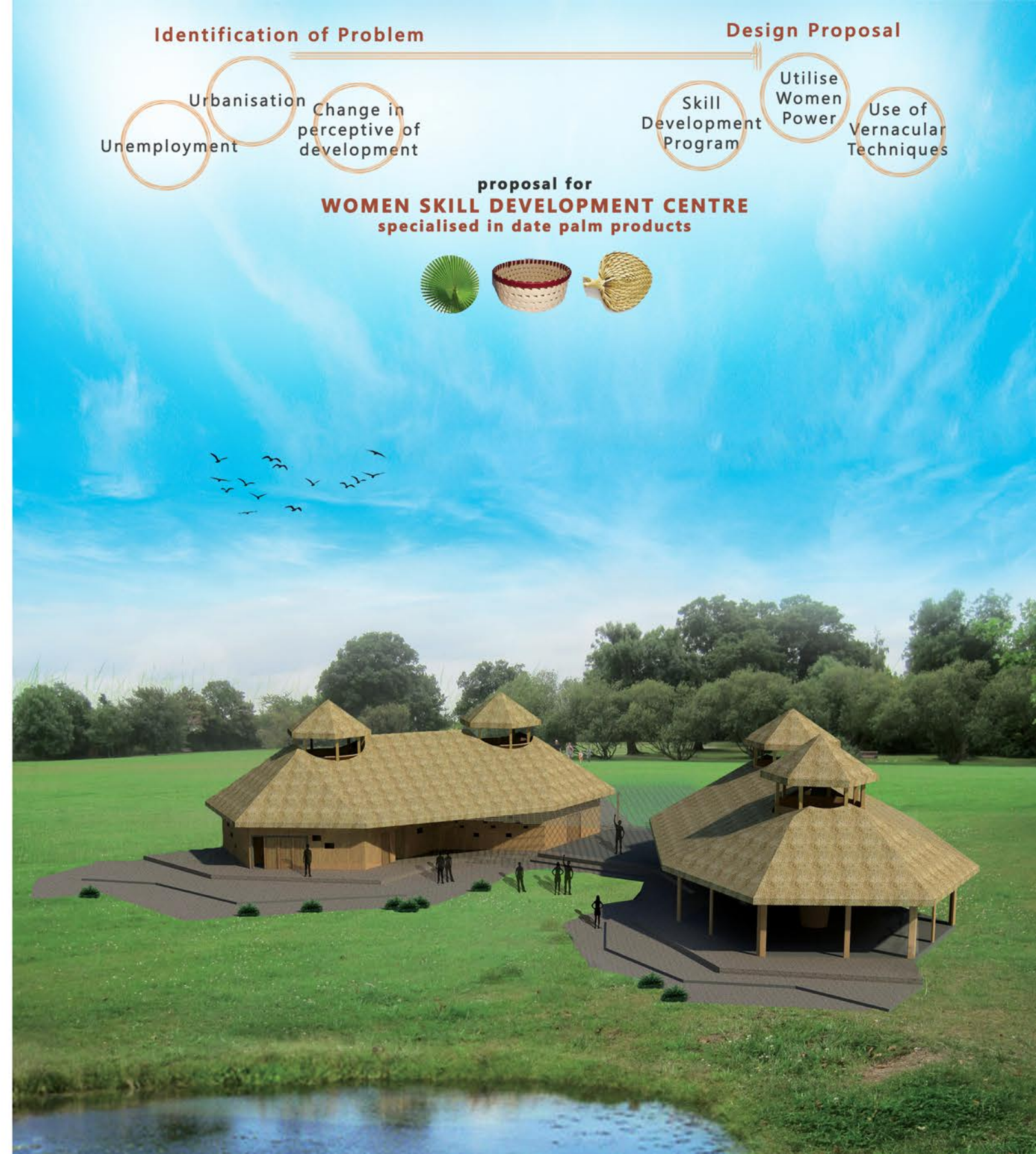
Semester V, 2015

Key Words:
Vernacular Architecture,
Women Skill Development Centre

Software used:
SketchUp, Photoshop

Nawri is a small village near Bhopal which has sustained its tradition of mud and stone architecture for the last 250 years. Emerging as an urban village, it is now under the impact of urbanisation which may lead its vernacular heritage to extinction, in the near future. The task was to develop a vernacular design intervention in Nawri, which is easily adaptable with contemporary development context.

Men in the village do low wage labour work while women remain free at home. Low income has promoted the negligence of the vernacular tradition in the village. Villagers have skills in making products made-up of locally available date palm. Skill Development Program for women, in a building constructed with vernacular techniques will not only provide extra means of income but will also create an awareness to preserve the tradition of vernacular construction.



Community and Housing

Nawri has a mixture of hindu castes and Muslim families, all living without any castism and division.

Shakyas, Harijans and Muslims have low income than the other classes.

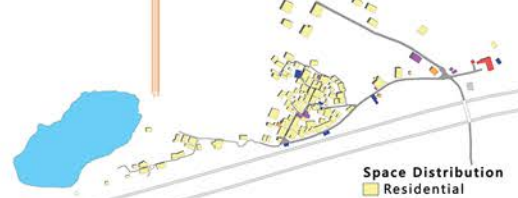
Most of the concrete construction is adapted by Yadavs, Thakur and Bhramins, while most of the Harijan, Shakya and Muslims are inhabiting in traditional vernacular houses.



Caste Distribution
 ■ Yadav
 ■ Shakya
 ■ Bhramin
 ■ Thakur
 ■ Harijan
 ■ Muslim

Architecture of Built Spaces

All the community spaces including temples, schools etc. has been transformed into the concrete structure with in the last few years.



Space Distribution
 ■ Residential
 ■ Shops
 ■ Temples
 ■ School
 ■ Community Space Building Ruins

Housing Types
 ■ Vernacular Houses
 ■ Concrete Houses
 ■ Mix Type
 ■ Cemented Road
 ■ Kuchcha Road

2015

Construction of Cement Road in the village.

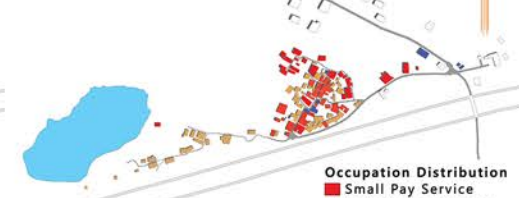
Laying of water pipelines in the village.

Establishment of rental colonies nearby.

Income and Architecture

Villagers are either engaged in small pay scale services (e.g. peon, servants etc.) or doing seasonal labour.

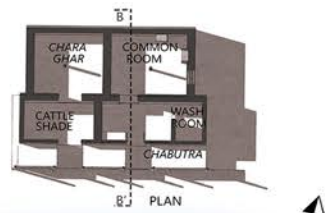
Those who have better income, especially doing service are adapting concrete housing.



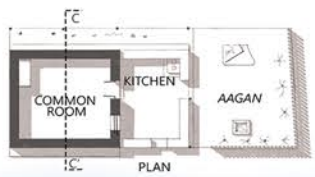
Occupation Distribution
 ■ Small Pay Service
 ■ Daily Wage Labours
 ■ Shopkeeping



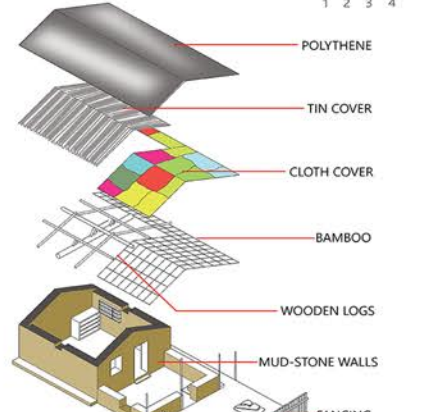
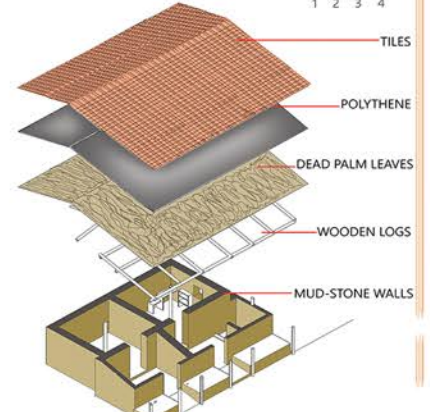
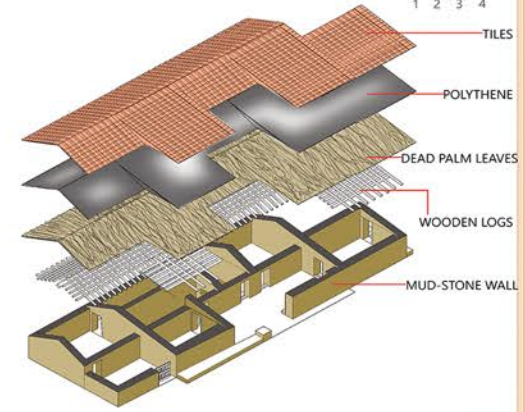
FRONT ELEVATION



FRONT ELEVATION



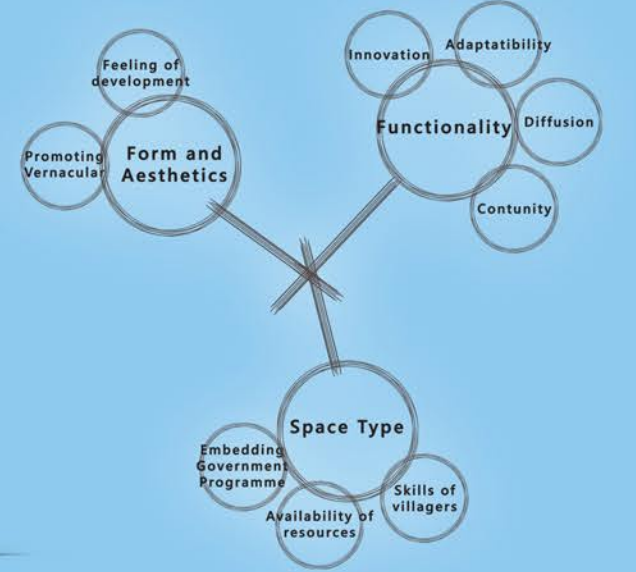
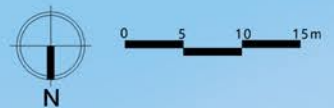
FRONT ELEVATION



PLAN



ELEVATION





YUTHOK SHEMLA HOUSE HOTEL

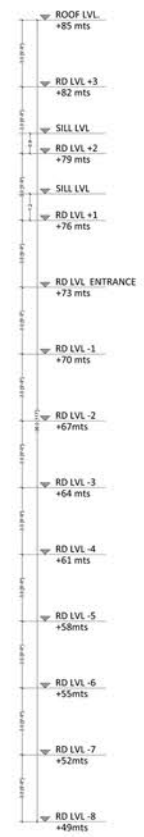
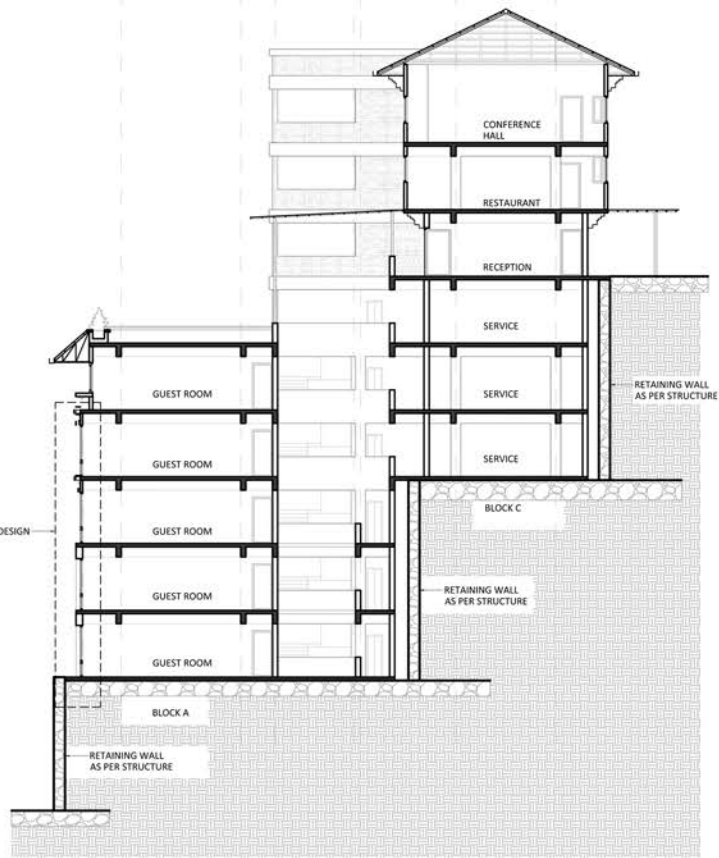
Hotel design in Darjeeling

Internship, 2017

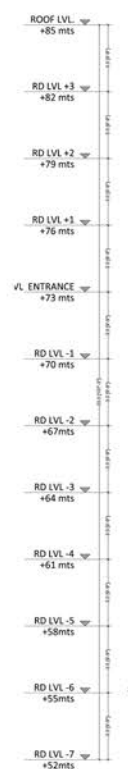
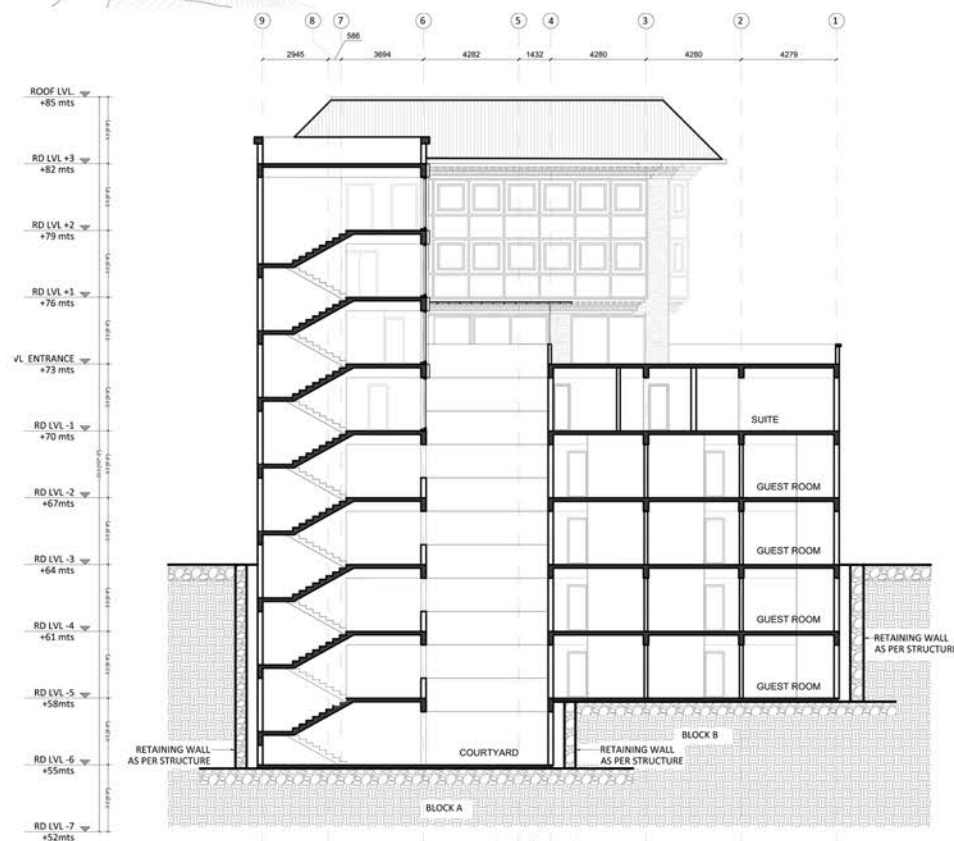
Key Words:
Hotel

Software used:
AutoCAD, SketchUp, Lumion,
Photoshop





Section E



Section A





NEWARI GUTHI BHAWAN HOTEL ELEVATION DESIGN

Residence design for an family of five on a 20x15 m plot.

Internship, 2017

Key Words:
Hotel, Elevation

Software used:
AutoCAD, SketchUp, V-ray, Photoshop





PUBLICATION VERNACULAR ARCHITECTURE

Co-Author,
Vernacular Architecture in Indian Scenario:
Towards a Collaborative Study Approach in Architectural Education

ISBN 819279812-7
Published by SPA Press, Bhopal

Key Words:
Vernacular Architecture, Chanderi

Software used:
InDesign

Co-Author,

Chapter 1:
Vernacular Architecture in Indian Scenario:
Towards a Collaborative Study Approach in Architectural Education

**VERNACULAR SETTLEMENTS IN CHANDERI:
TOWARDS INNOVATION AND SUSTENANCE**
ISBN 819279812-7

"...vernacular architecture is often referred to as native architecture or local architecture, which is domestically produced and adapted as well. Such domestic production and adaptation processes reflect the socio economic and cultural setup of the region, where climate and geography play a crucial role..."

"...vernacular architecture is considered to be the highest form of sustainable building as it uses the most accessible building material and the widest used technologies (Ozkan, 2006). Still this form of architecture in this century is being associated with the past, under development, poverty and occupies a marginal position (Oliver, 1999). A group of traditionalists in modern architecture hold the aspiration that is very much influenced by the rural environment and the use of appropriate technologies..."

*-Shubhanshu Singh
with Dr. Sanjeev Singh*

