
CELEBRATING THE JOURNEY



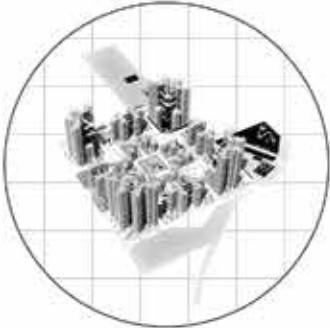
Suraj Arora

Architecture | Post-Digitalsim | Computation | Fabrication

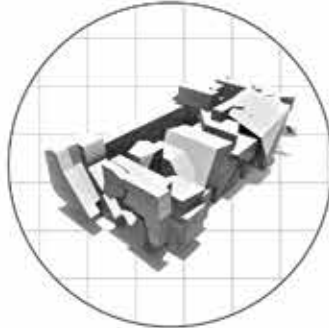
Setting Up

As an Architect , it would be rather difficult to alter life. I would just set up gestures in a bigger scenario by foreseeing the nature of life at present and future through the ability of observation and analysis by not hesitating on the unpredictable changing scenario rather adapting to it.

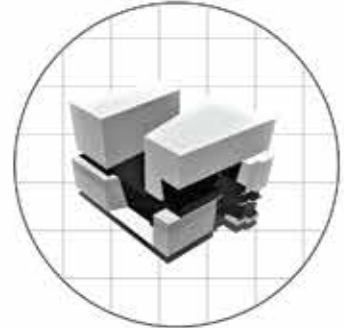
Contents



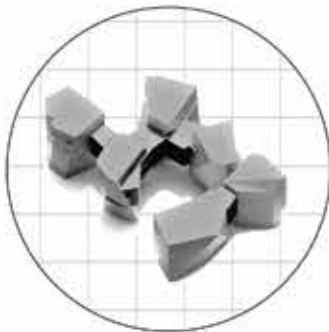
Housing in Gurugram



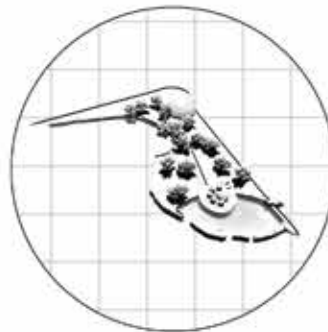
Multiplicity & Memory



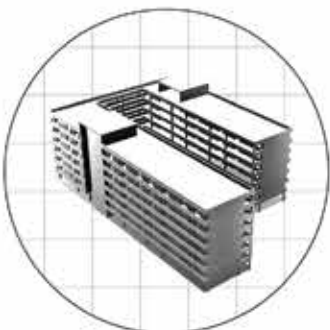
Vertical District



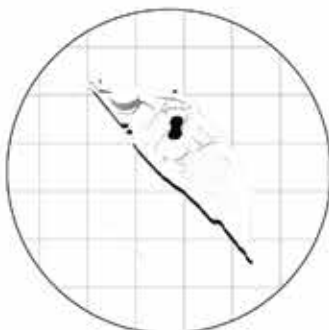
Institute of Art & Design



House of Stark



ITAD



Kaunas Science Island



Design by DATA

The Project created a Mass Housing in Gurgaon in compliance with the building by-laws but also after that the concepts have been imbibed in the planning of the housing .

Horizontal Porosity

"The site called for new model to be another figure which would eventually cater to the specific needs of the present & future dweller eventually having some doubt in their workability which has also been taken care off.."

DETAILS

Location: Gurugram, Haryana

Program: Court of Dwellers

Materials: Exposed Concrete with wooden perforations with solar panel cladding.

Use: Residential

Collaborator: Saman Jain

Semester: 7

Professors: Meenakshi Dubay, Kshitiz Kapoor,

Uday Bhanu.

Duration: 5 Months

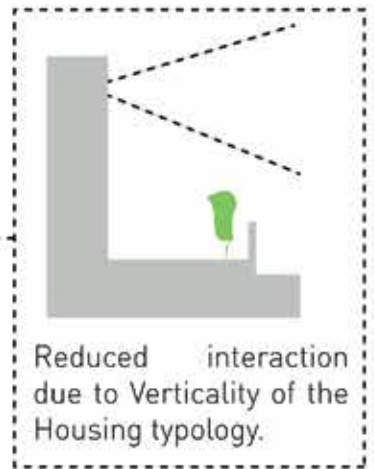
Methods: Model-Making, Autocad, Rhino, Sketchup, Lumion, Vray, Grasshopper.

Concept: Creation of Housing catering to the Present Needs while creating a shadow catcher in the master plan..





View of the Site



Site lies very close to golf course road and golf course extension road, hence being highly accessible.

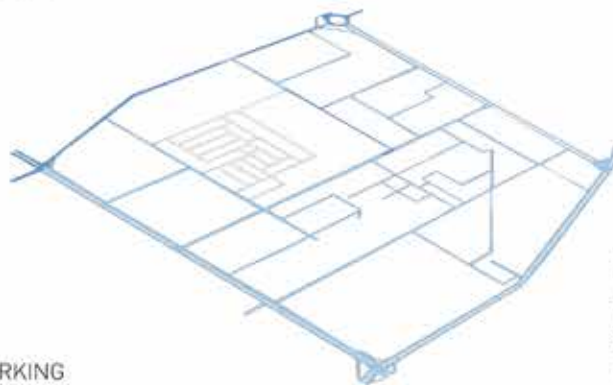
2 functional Rapid metro stations add to the accessibility, along with a second road connecting the site and Huda Metro Station. Two of Gurgaon's high density Metro Stations are directly connected to the site, through a state highway, shared auto transportation,





NODES

The intersecting nodes play a major role as most of the informal activities happen creating further traffic.



PARKING

The parking pattern again indicated that the cars are parked on the inner streets showing the lack of efficient parking in the area.



BUILDING FOOTPRINT

The building footprint pattern indicated symbiotic relationship of Housing Societies and the Adjacent Market places.



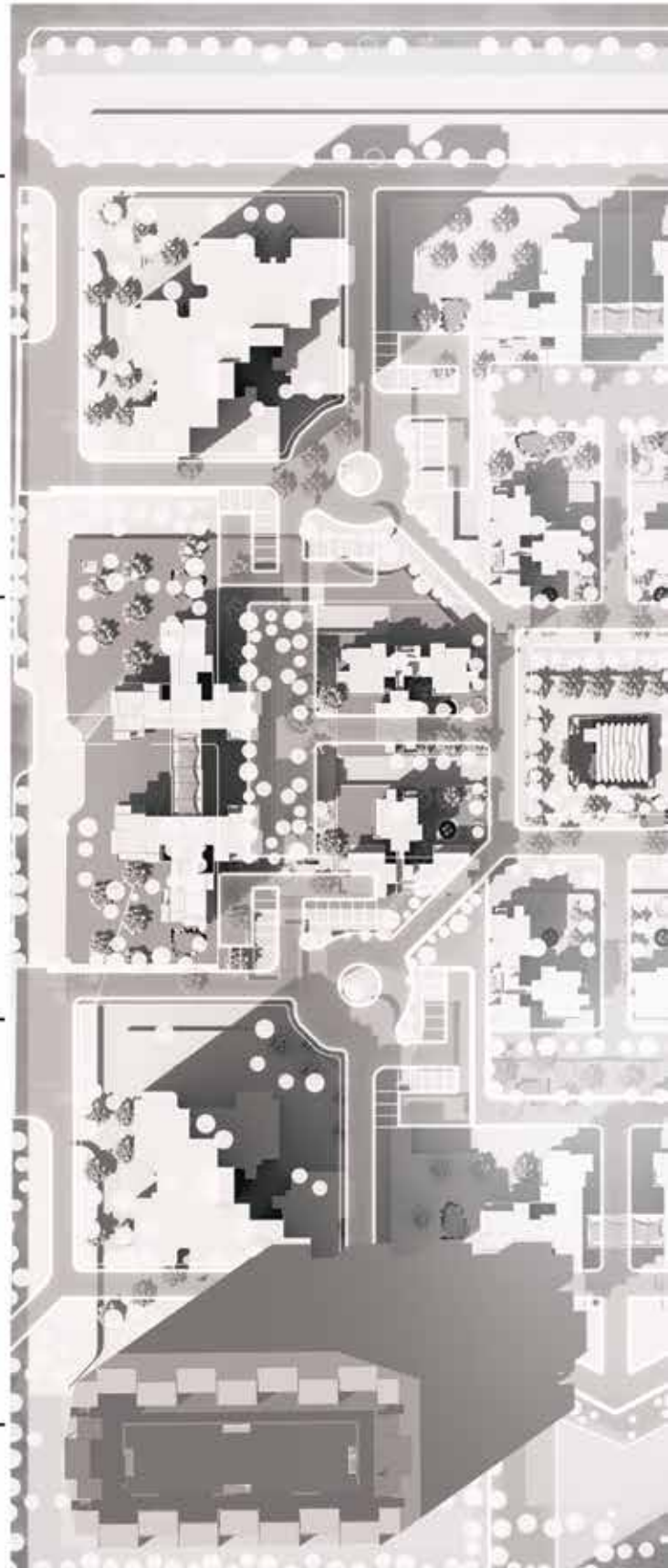
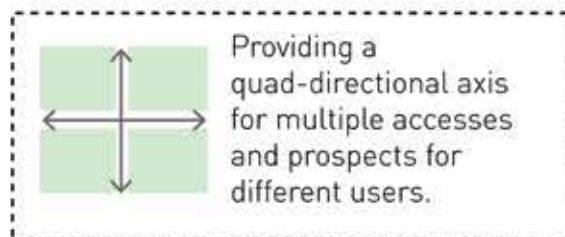
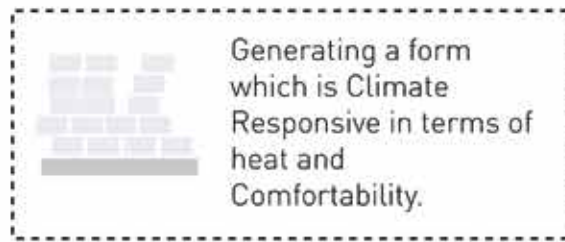
MAJOR IMPACTS

The major conflicts indicated that the amalgamation of all three factors was the reason the traffic among vehicles as shown.

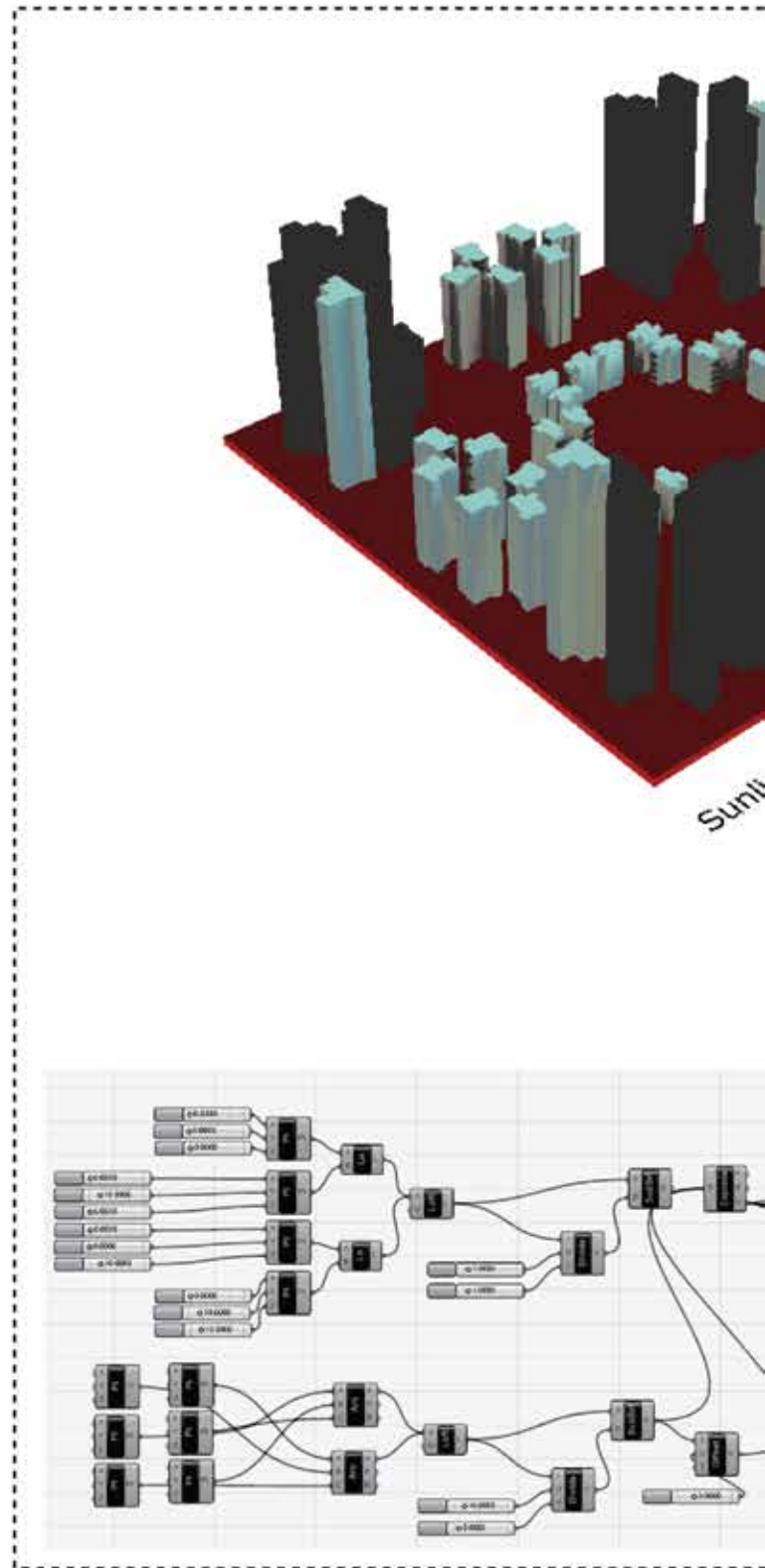


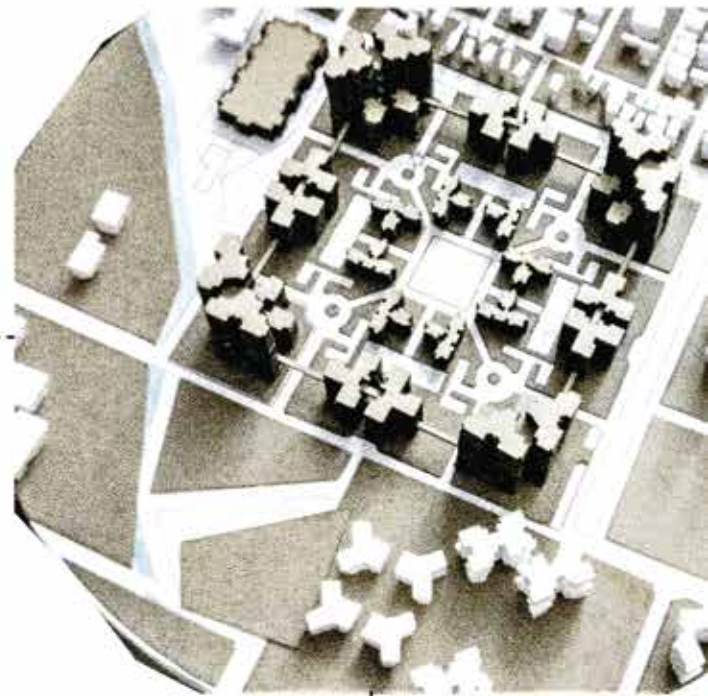
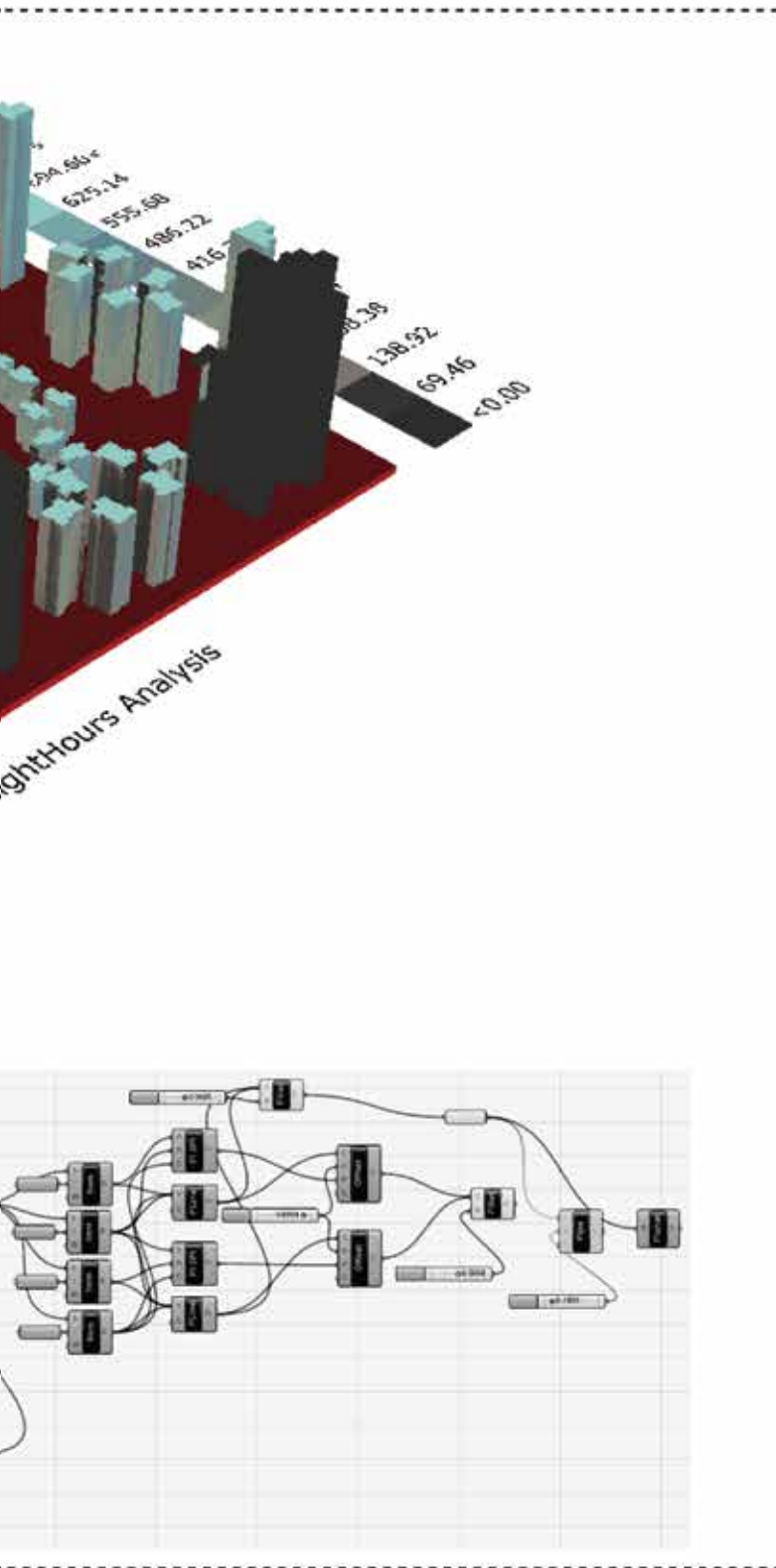
Masterplan

Site lies very close to golf course road and golf course extension road, hence being highly accessible.
2 functional Rapid metro stations add to the accessibility, along with a second road connecting



Horizontal Porosity





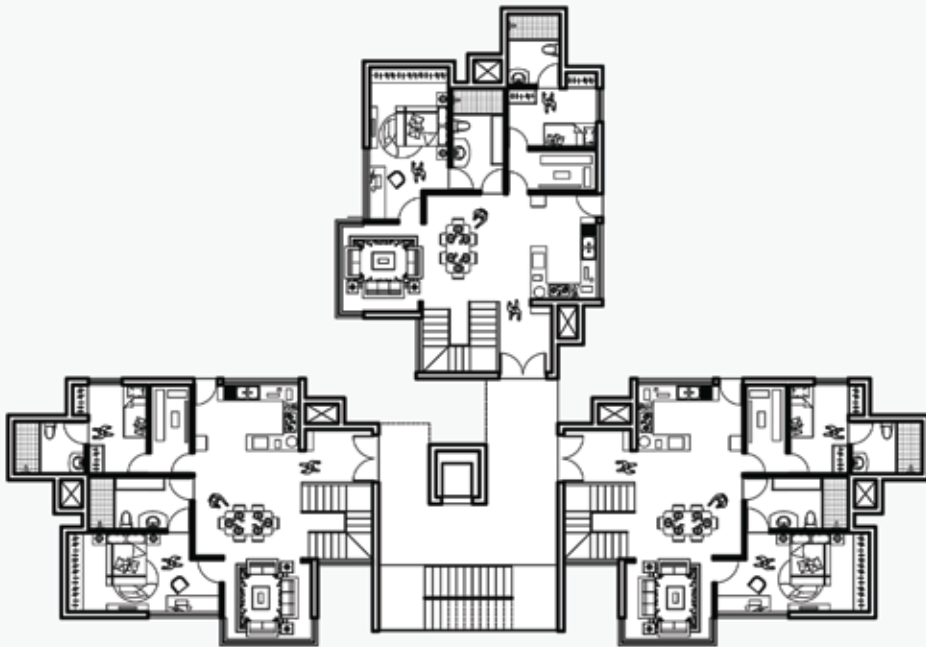
Site Model

The overall form of the complex has been derived through the heat gain analysis for maximum comfortability and walkability as stated in the concept development and generating a shadow magnet through which the complex harnesses the shadow due to the form of the towers.

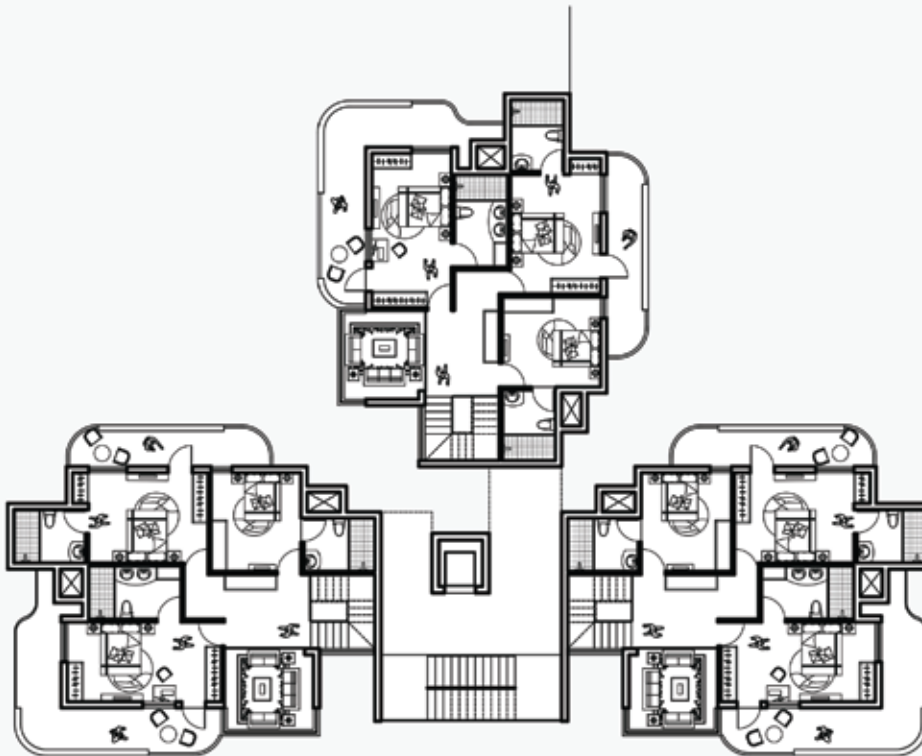
Developing the form through Heat-Gain Analysis







Ground Floor Plan



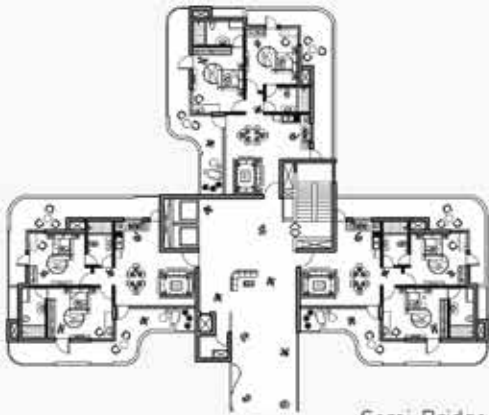
Upper Floor Plan



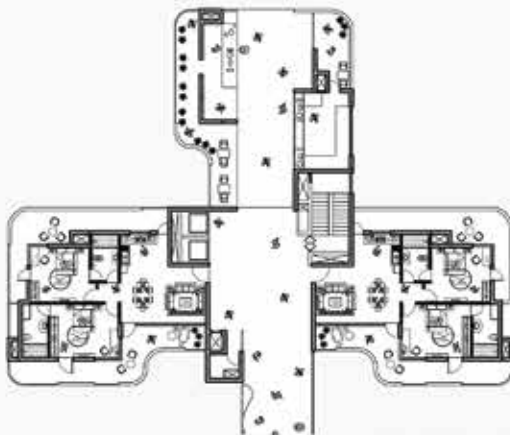
View from Complex



Ground Floor Plan



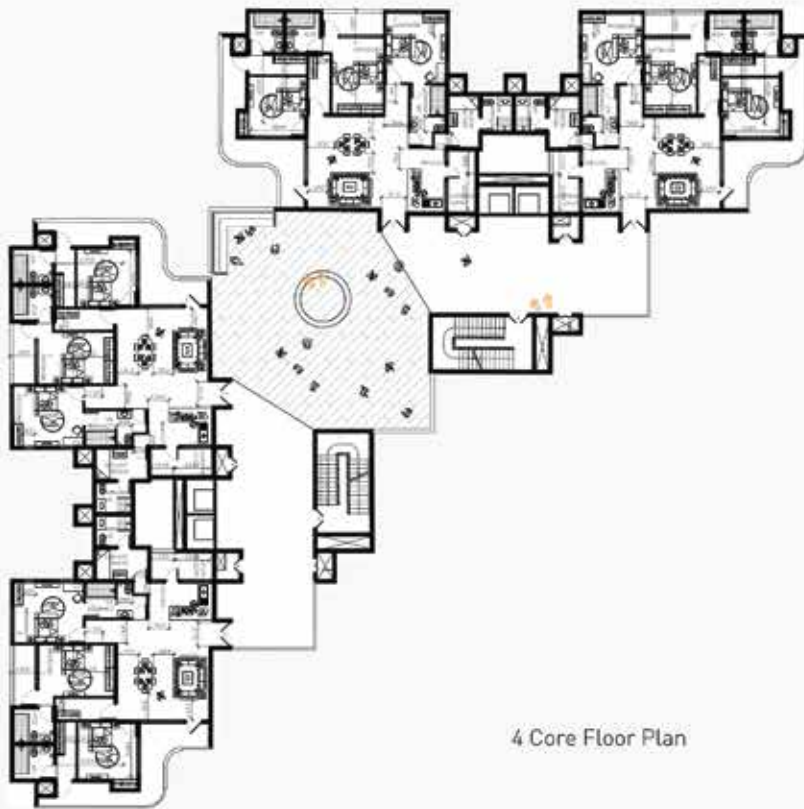
Semi-Bridge Floor Plan



Full-Bridge Floor Plan



View from Complex



4 Core Floor Plan



6 Core Floor Plan



View from Complex



Ground Floor Plan



Upper Floor Plan



View from Complex





The Project aimed at creating a mixed use hospitality which proposed to be built near a precedent called the "Indian Habitat Centre." Hence, it should be designed accordingly.

Vertical District

"The site called for a figure which would be created as a model for having a building without its boundary walls, hence creation of a complex which is open yet private according to the requirement.

DETAILS

Location: Delhi, India

Program: Mixed use Complex

Materials: Red Painted plastered with Brick Cladding

Use: Mixed Use Hospitality

Semester: 6

Professors: Gaurav Sanan, Thomas Oomen & Ekta Gyani

Duration: 5 Months

Methods: Autocad, Rhino, Sketchup. Lumion, Vray

Concept: Creation of a public platform in a private space.



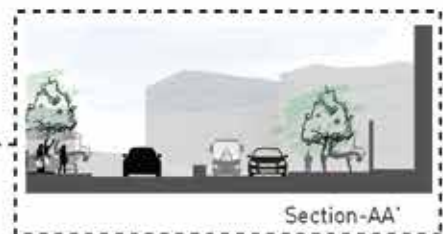
..... Vertical District



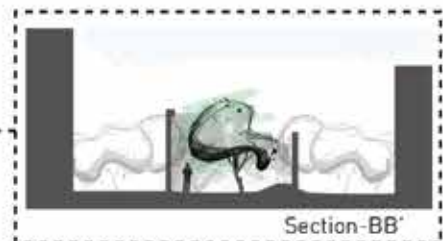
Site Topography



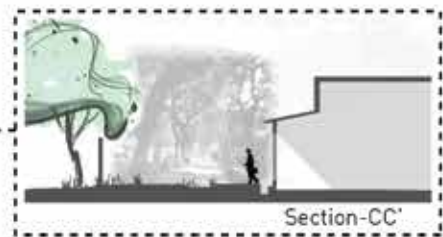
Context



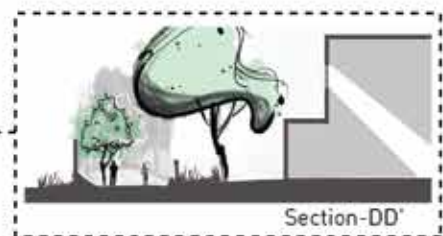
Section-AA'



Section-BB'



Section-CC'



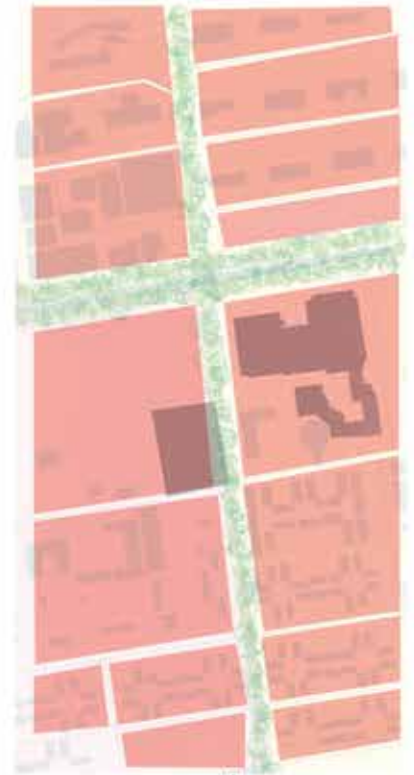
Section-DD'



Branches

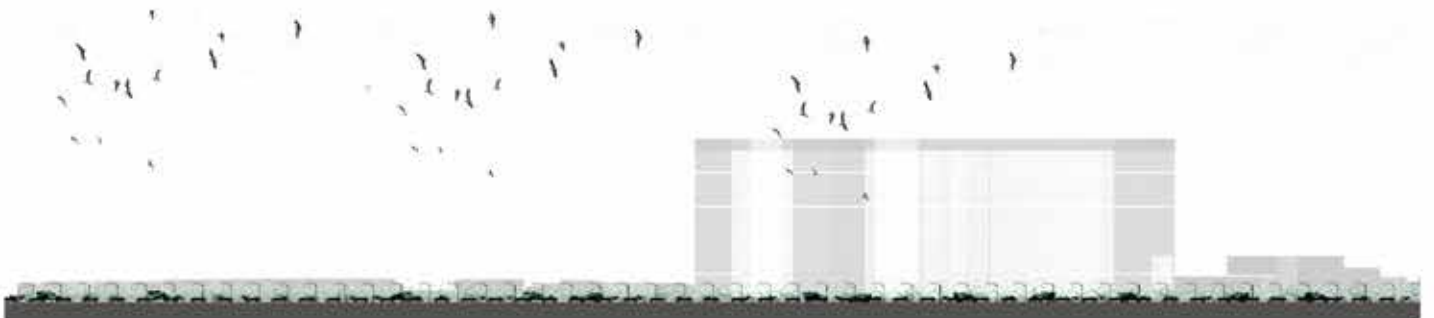


Central Spine



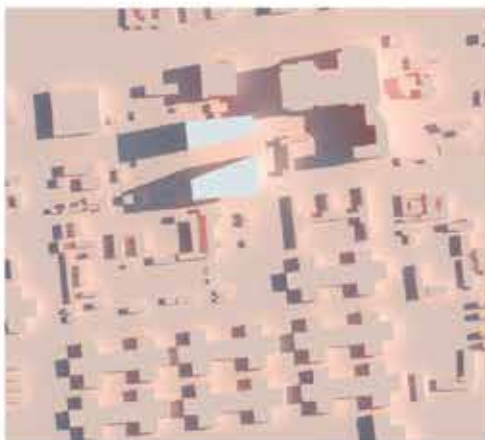
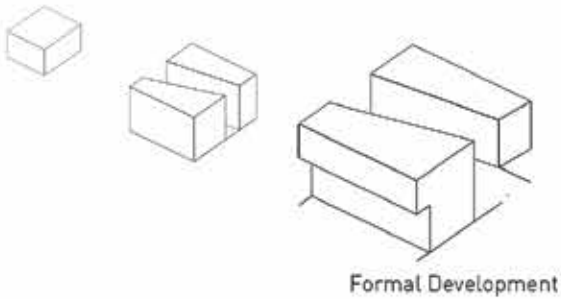
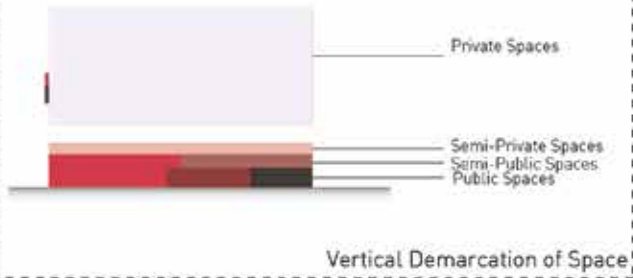
Blocks

The Context has a Precedent which is Indian habitat centre which tells a story of creating "Mixed Use Super-Block" which works efficiently with ample amount of courtyards with additional shading attracting the attention of the users of the space. While the Super-Block typology continues all around the Site creating "branches" which are connected to the "Central Spine" which is taking all the vehicular traffic while these narrow Branches are filtering the crowd as per the function.



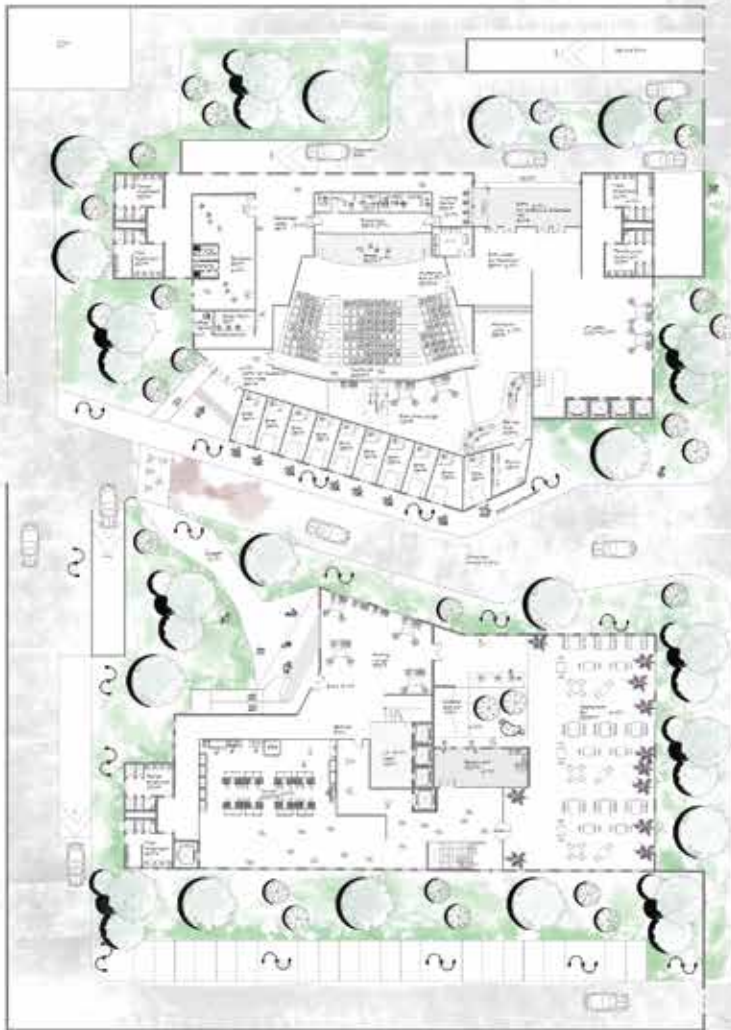
Skyline Profile

Vertical District



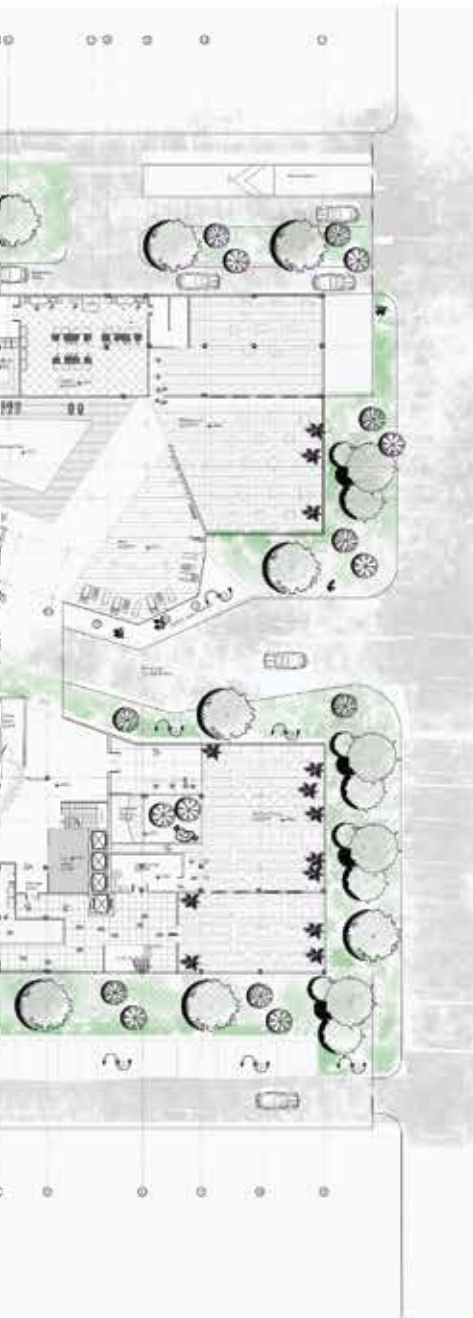


Visualisation

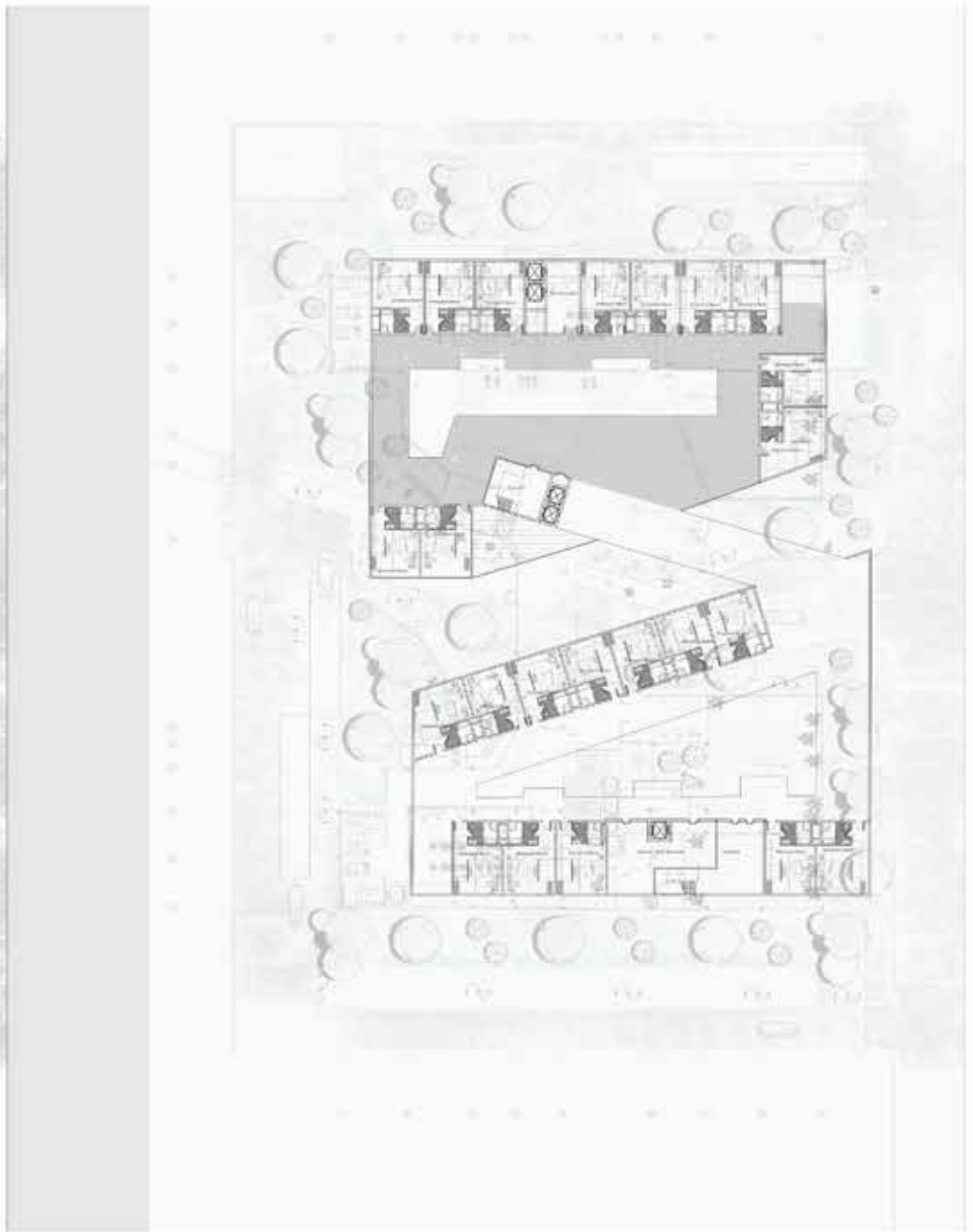


Ground Floor Plan





Upper Floor Plan



Typical Floor Plan



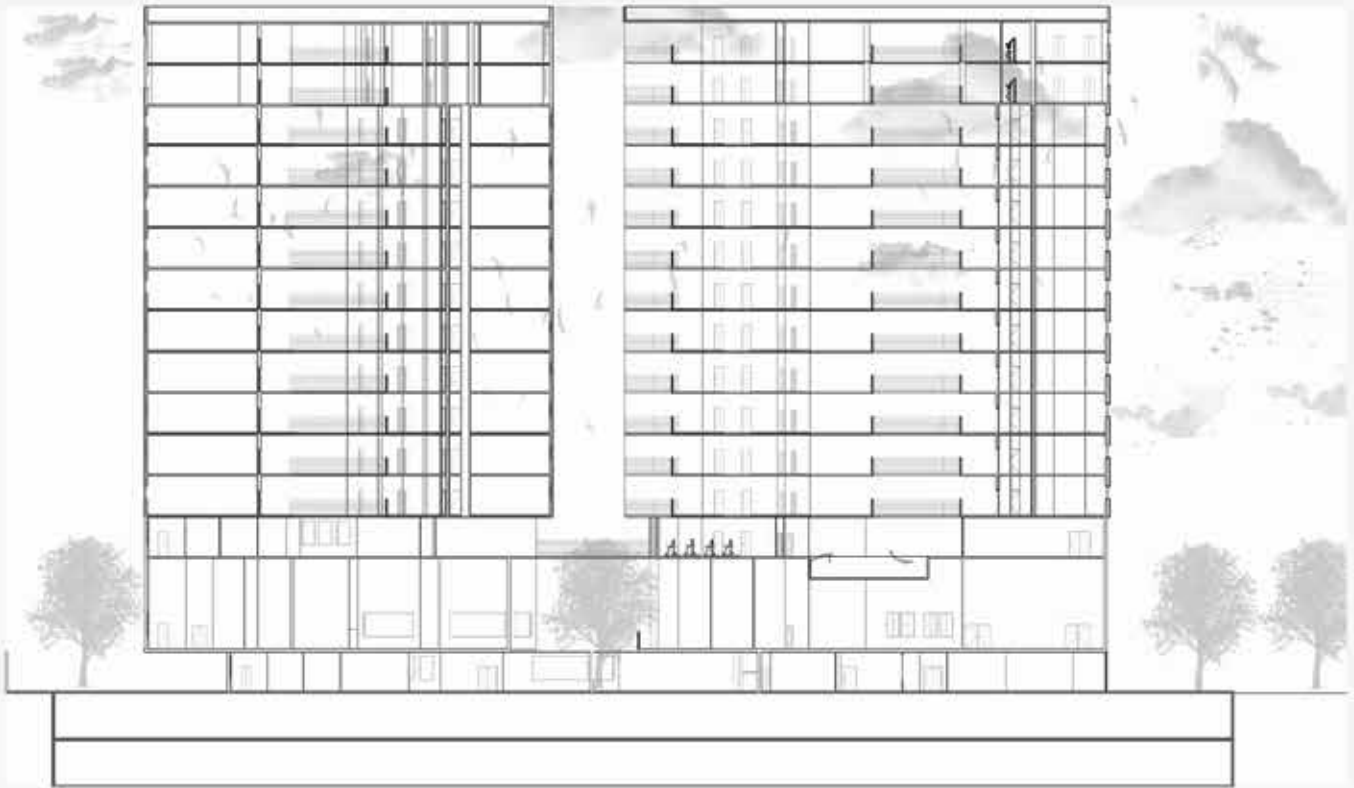
Back Elevation



Public Corridor

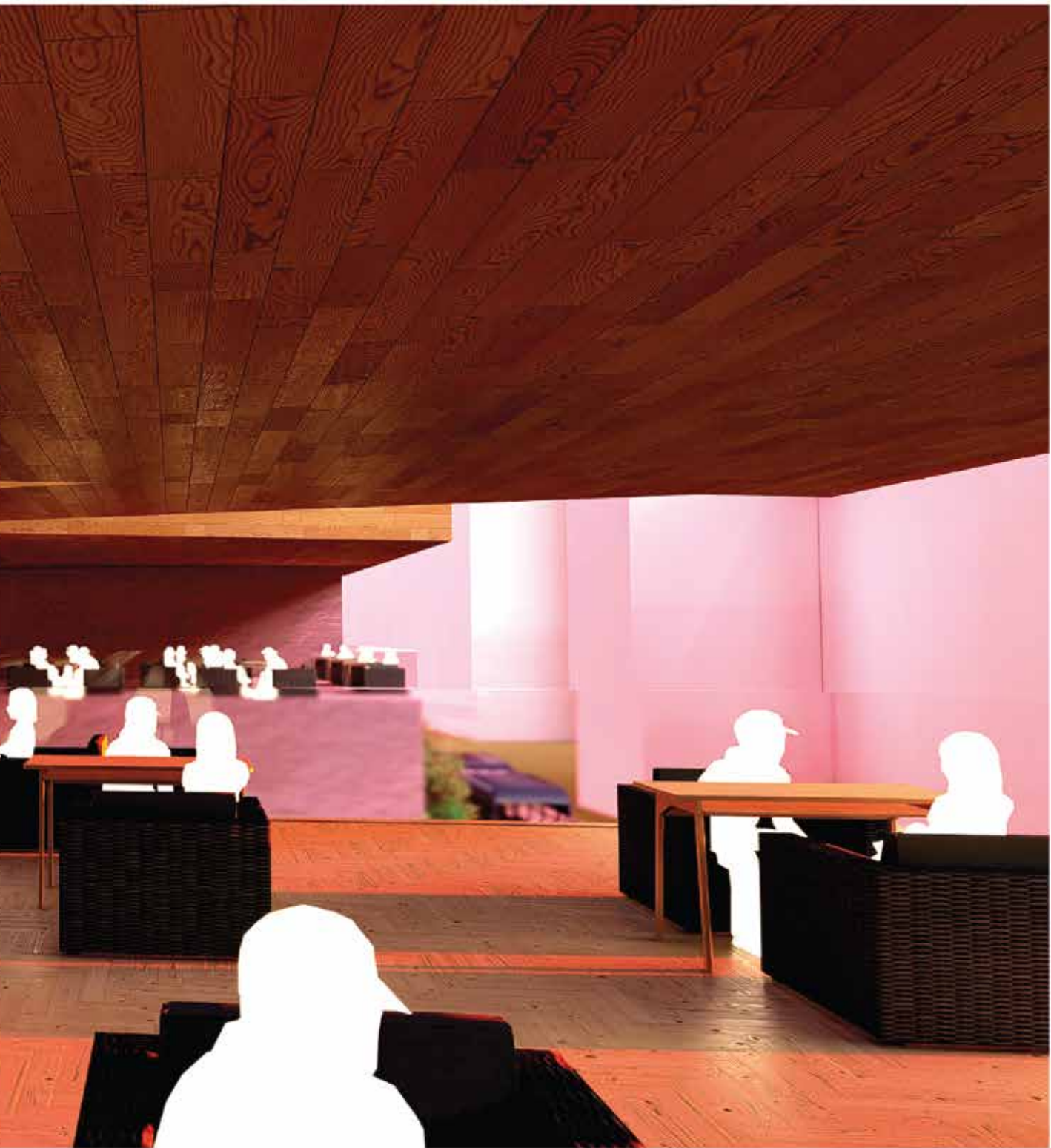


Bridge Floor View



Section





The Project aimed at creating a habitat for the institutional purposes where the site which has been selected is countoured hence creation of a complex where the functions of an institute can work.

Functional Sculpture

"As the site called for its identity , wanting to intrigue the emotions of the passer-by such that the unutilised site can be seen flourished with the influence of the complex."

DETAILS

Location: Gurugram, Haryana

Program: Institute of Art & Design

Materials: White Concrete & bricks

Use: Institutional

Semester: 5

Professors: Gaurav Sanan, Thomas Oomen & Ekta Gyani

Duration: 5 Months

Methods: Model-Making, Autocad, Rhino, Sketchup.

Concept: Intriguing an emotion in the minds of the passerbys.

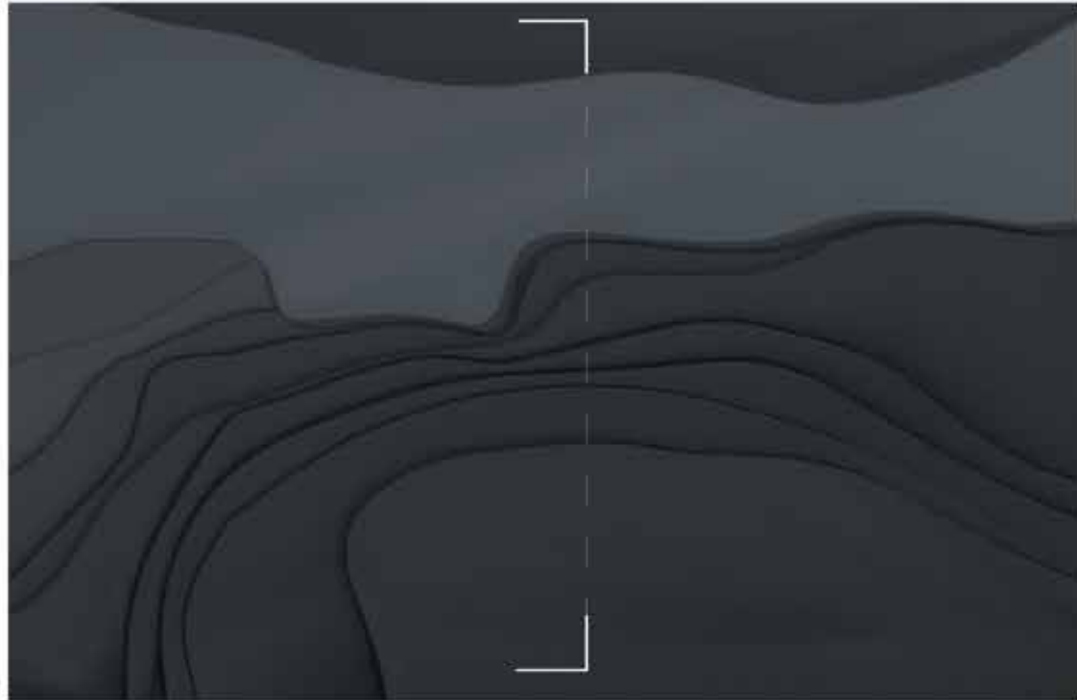




Context

The Site lies closely to the Sunset Boulevard, which is an empty area with a highway , hence some visual que needs to be created in order for the institute to have an identity.

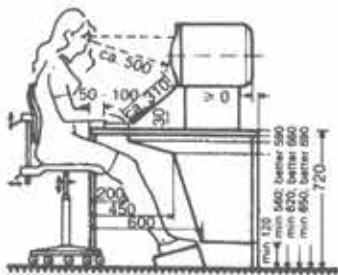




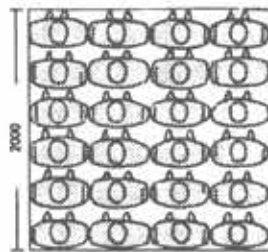
Contours



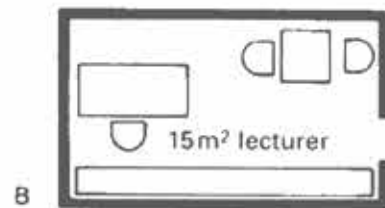
Section



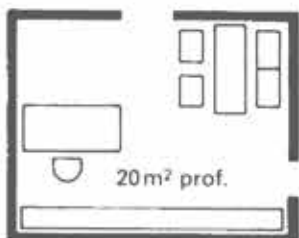
⑤ Ergonomic VDU workstation with fixed-height table



①⑥ 2000
Max. density: 6 people per m² (e.g. cable railway)



8



A



①③ Dimensions: work table

All the Spaces were designed keeping in mind the anthropometry and technical measurements.

Functional Sculpture



Iteration 1



Iteration 2



Iteration 3



Iteration 4

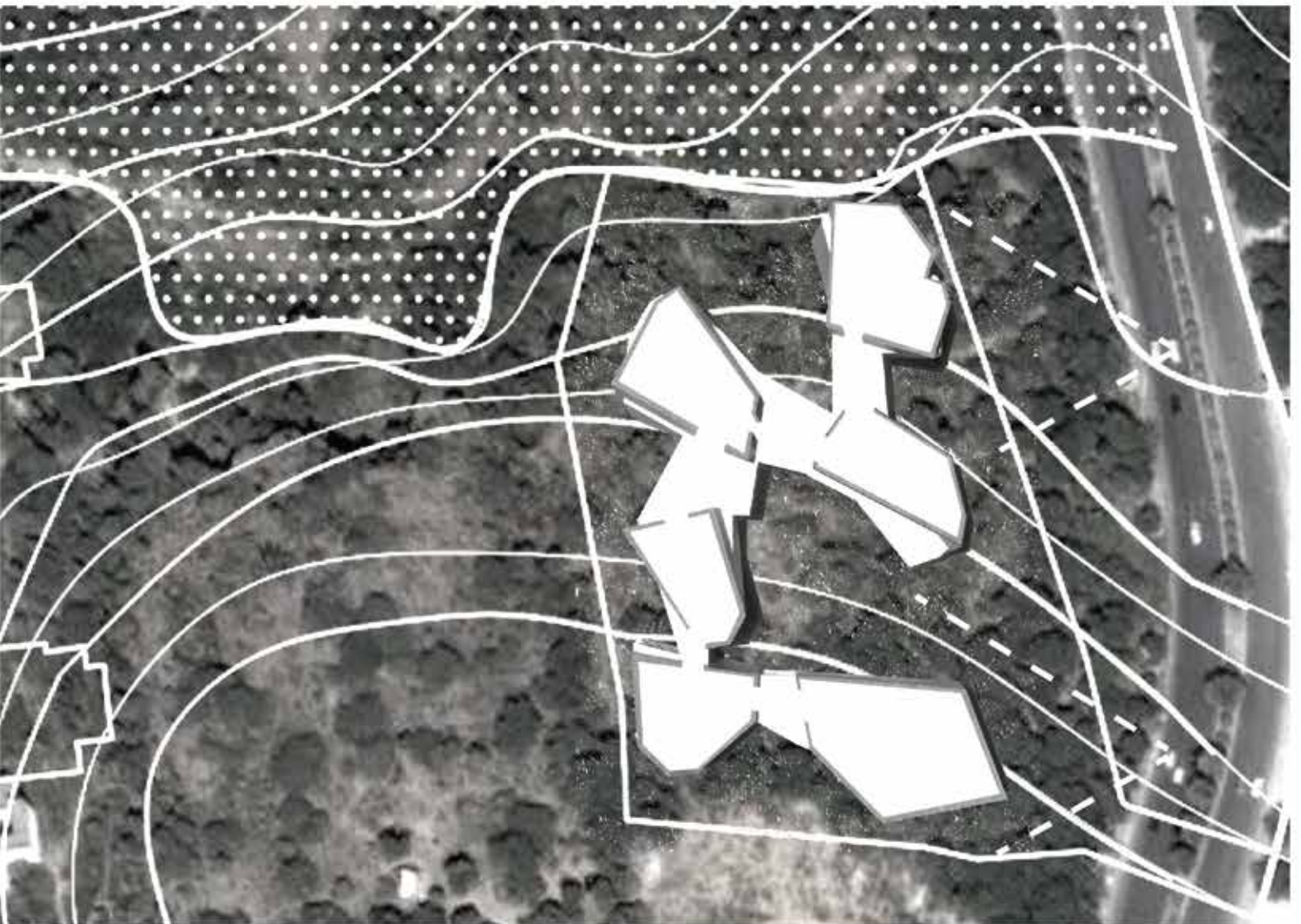


Output

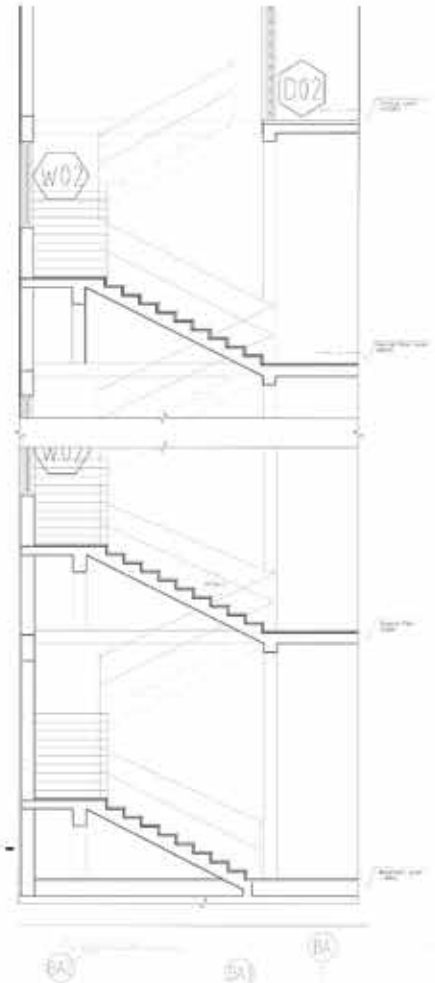
The form started as a block and then developed to be as different blocks which lead to different connections through walkways having a play of light due to the sun-path leading to creation of shaded courtyards while having block sit on the contours with their respective placements.



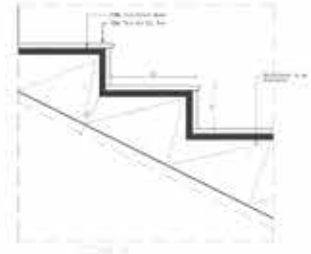
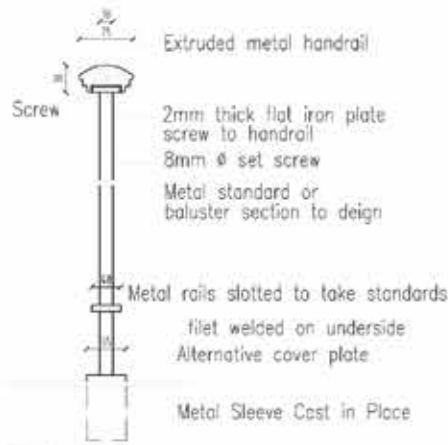
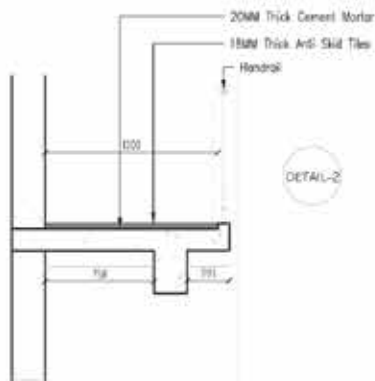
Visualisation



Volumetric Plan

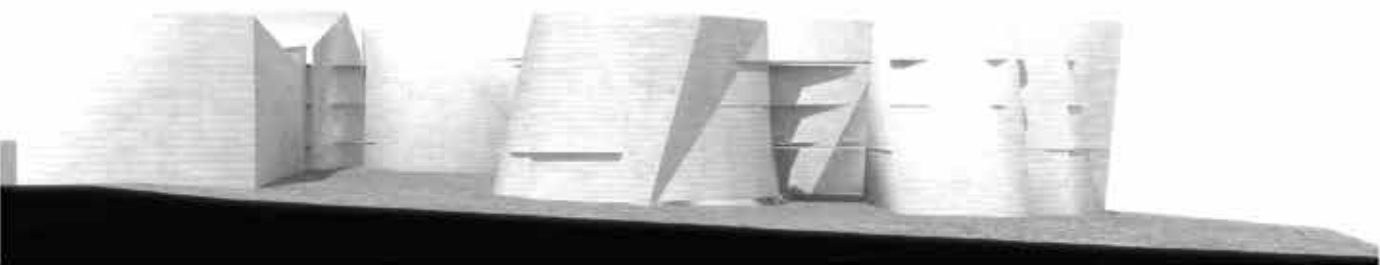


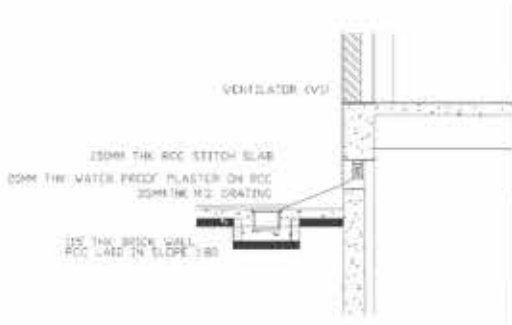
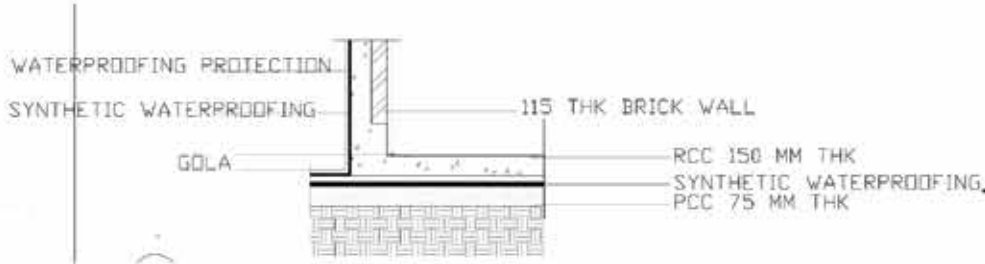
The Project aimed at creating working drawings of the previous design institute through the industry standards.



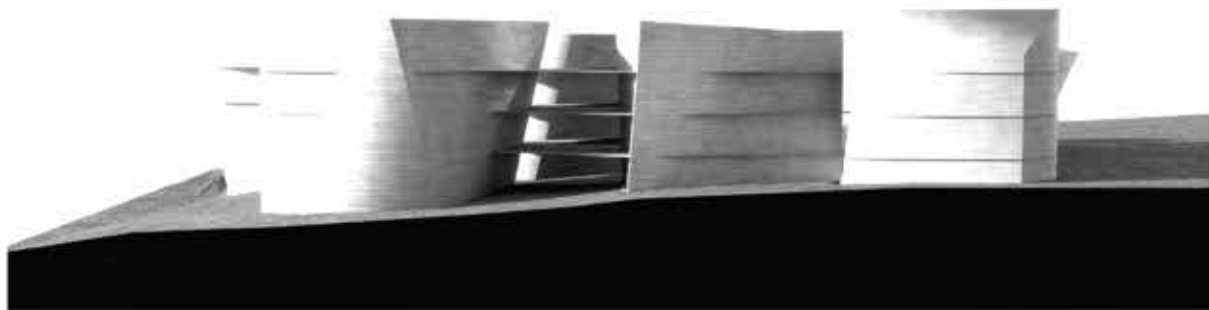
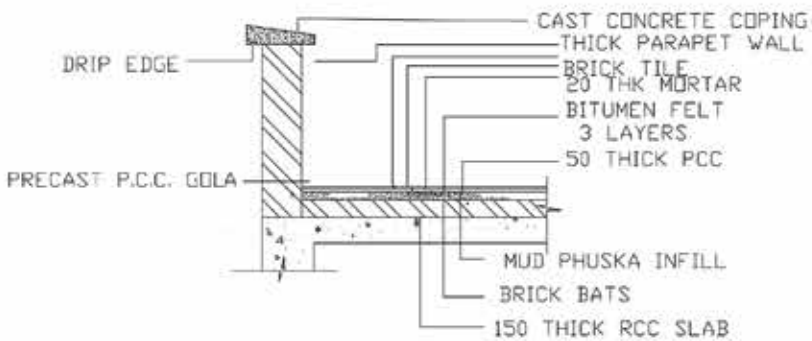
37 Section B3
1:25

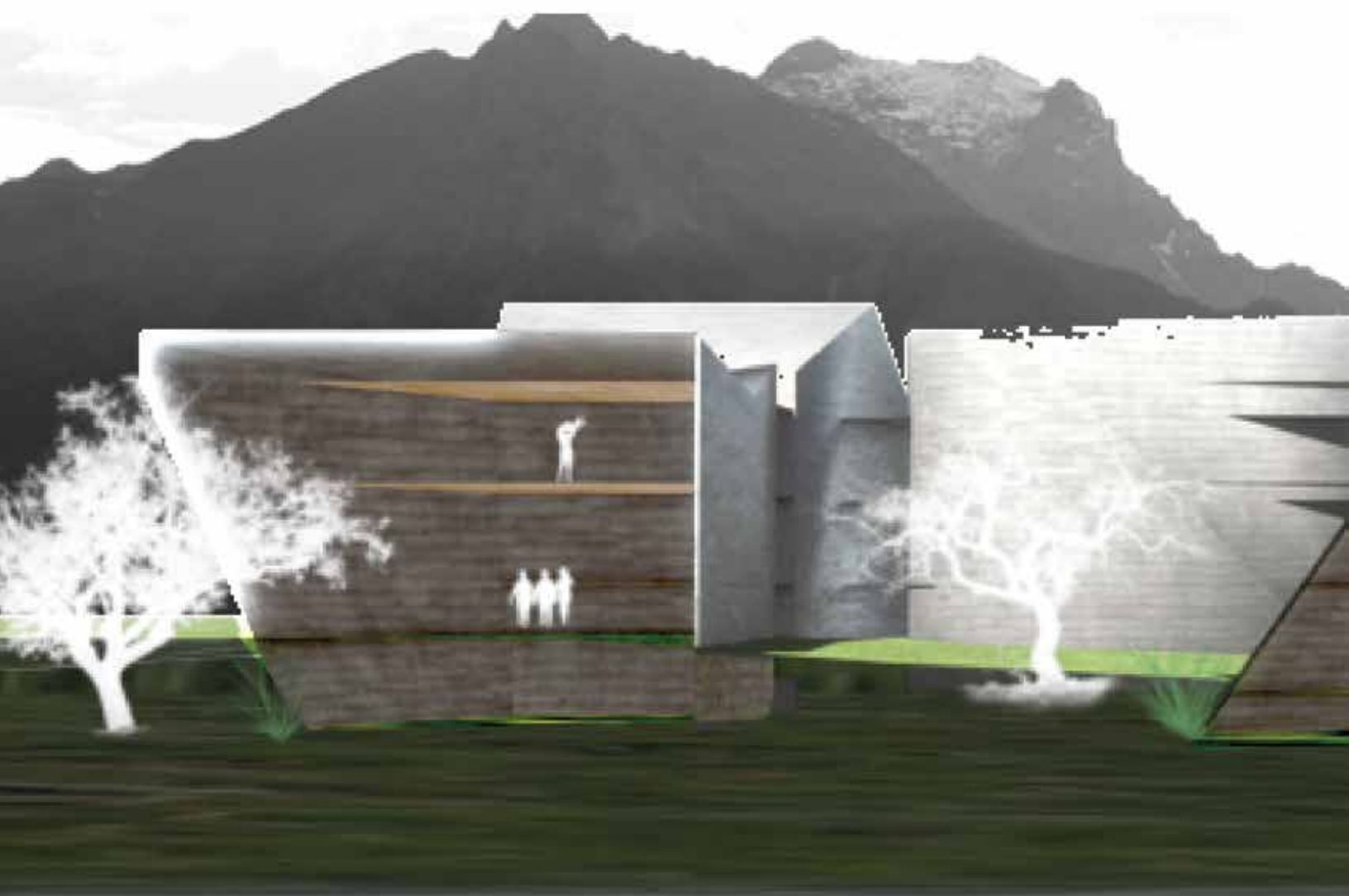
38 DETAIL 2
1:12

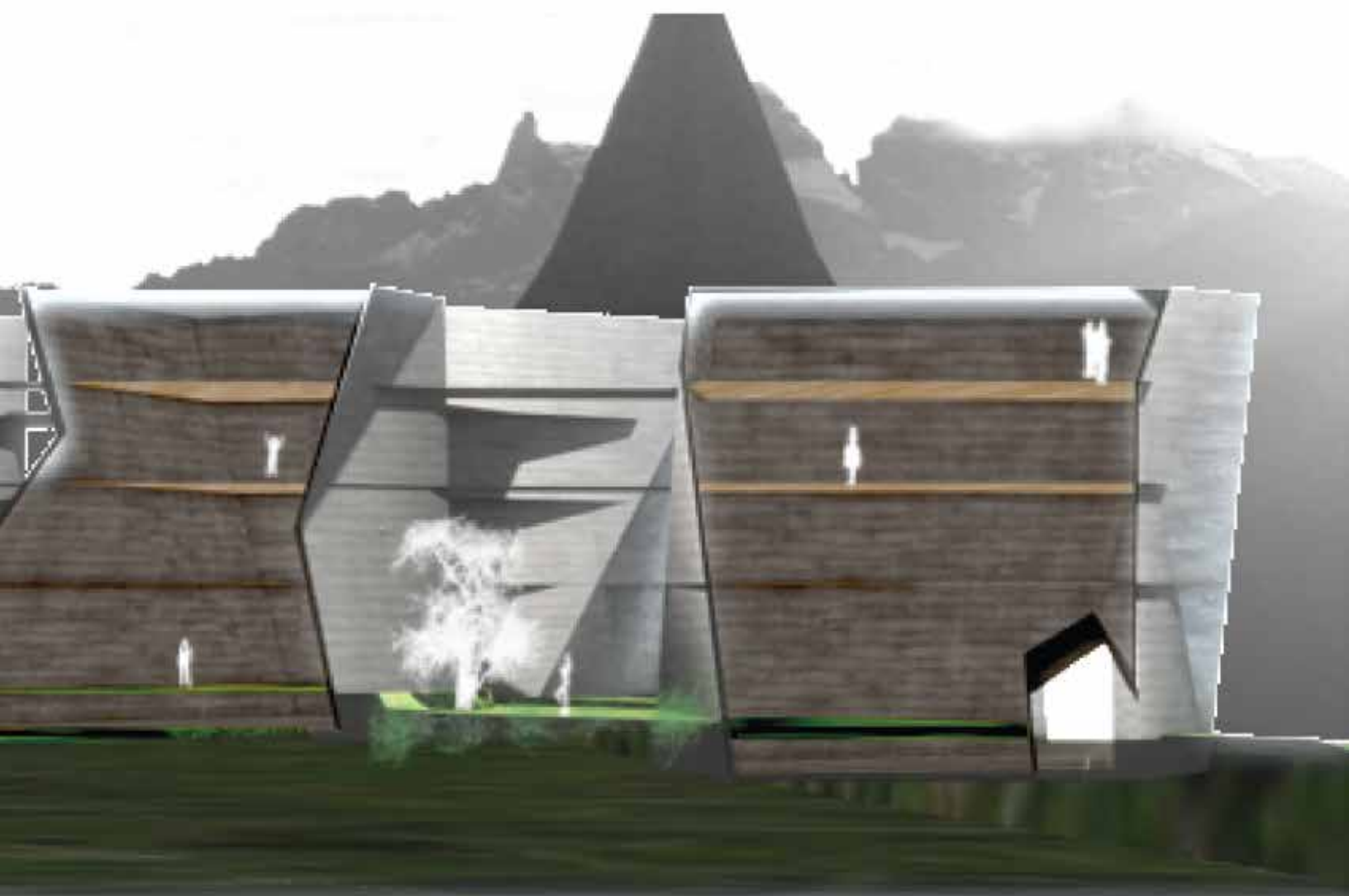




The drawings derived out the the construction details of the project.







The Project aimed designing a mixed-use complex on a site which has multiple layers of memories embedded on the site, hence the form will not be alien .

Multiplicity & Memory

*"To see the Light
You need to Observe the Shadows,
To see the Stop in Time
You need to Observe the Rush,
To see the Calmness of Shahjahanabad
You need to Observe the Chaos...."*

DETAILS

Location: Shahjahanabad, Delhi, India

Program: Mixed use Complex

Materials: Stained Plaster Finish

Use: Mixed Use

Semester: 4

Professors: Amrita Madan, Kingshuk Datta,
Sinidhuree Iyenger

Duration: 5 Months

Methods: Autocad, Sketchup. Lumion , Vray,
Model Making , Sketching.

Concept: "Without yang there is no yin and
Shahjahanabad is a place
which has lost its yin but still is prevailing as
yang alone."

Something must be done to restore its
balance."





View of the Site

Shahjahanabad is a place where people of almost all backgrounds interact with each other mostly during daytime. Many people could see, how these multiple cultures have affected the architecture of Shahjahanabad due to variation in forms of the buildings, architectural elements (for example-A Roman semi-circular arch under a mughal arch) and even their use leading to spontaneous use of spaces.

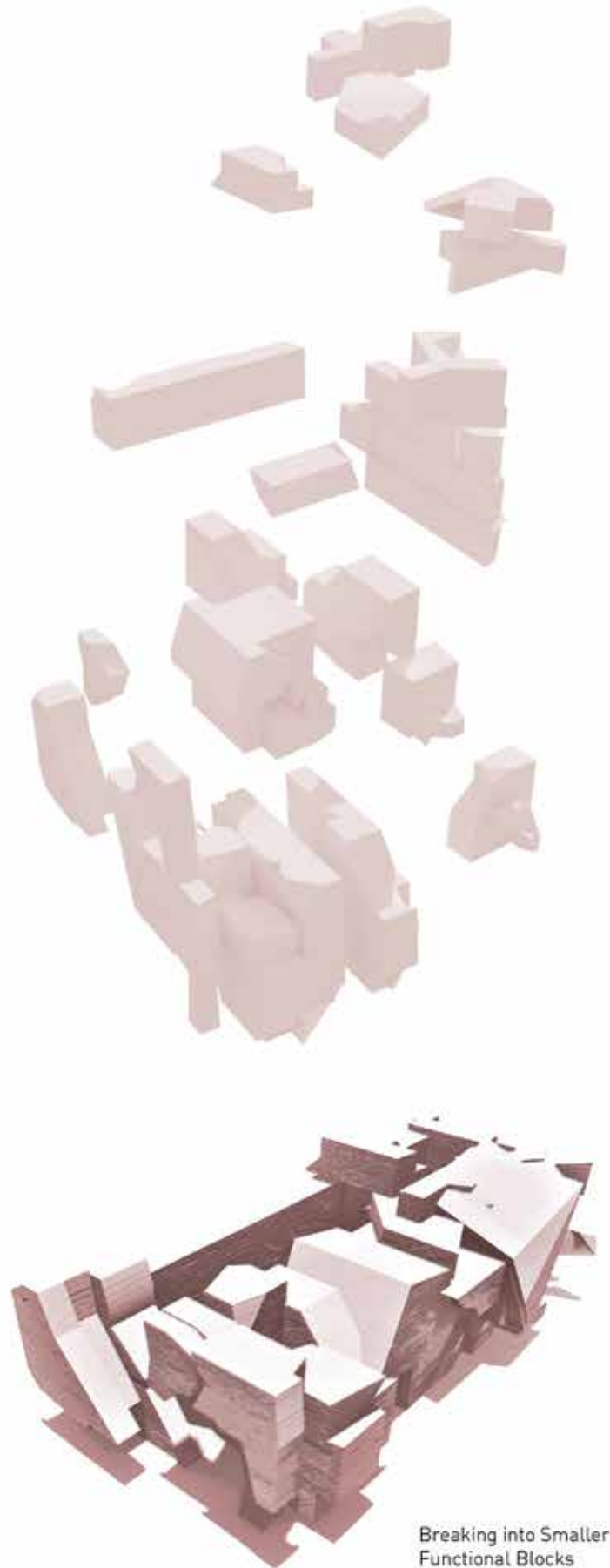


Elevation facing the Site

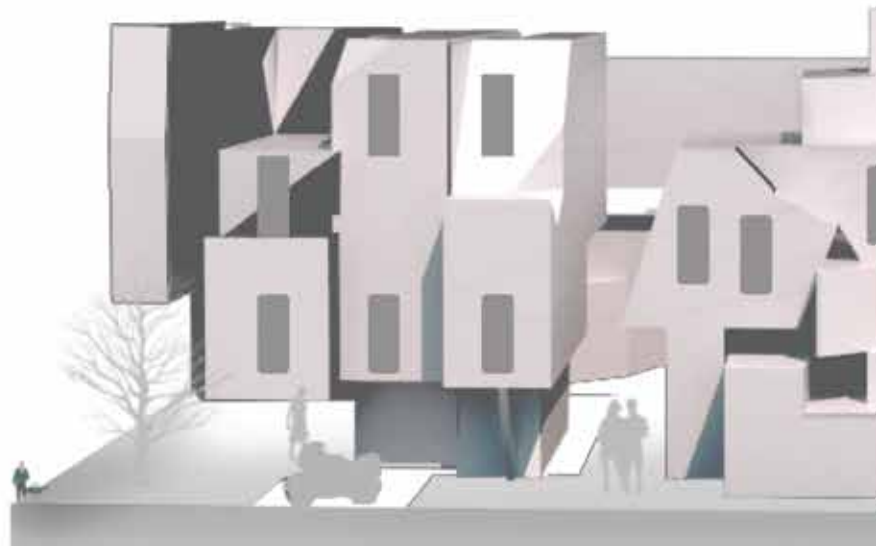


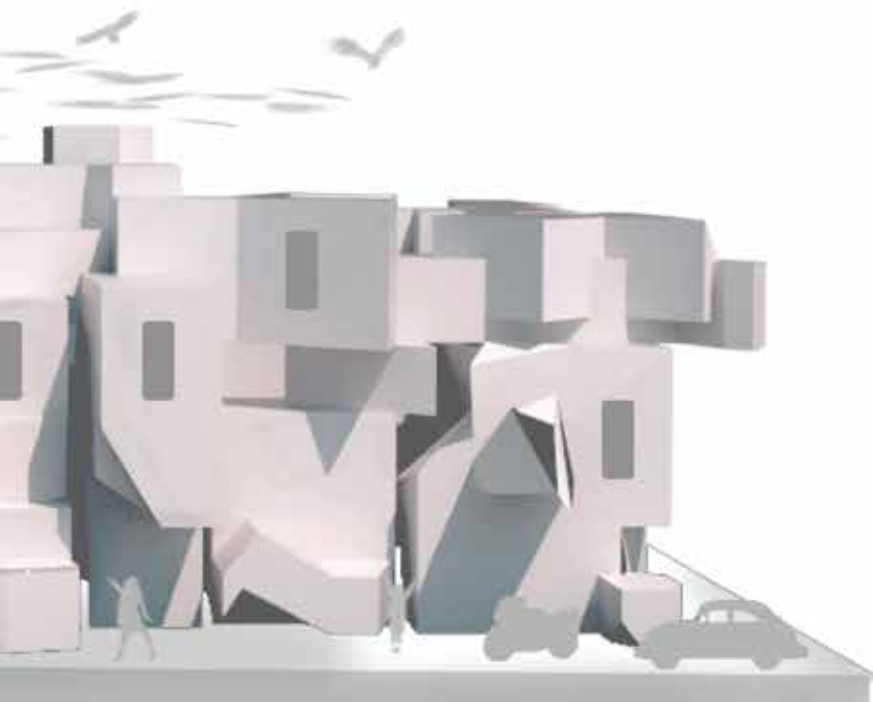
Elevation on the Side of the Site





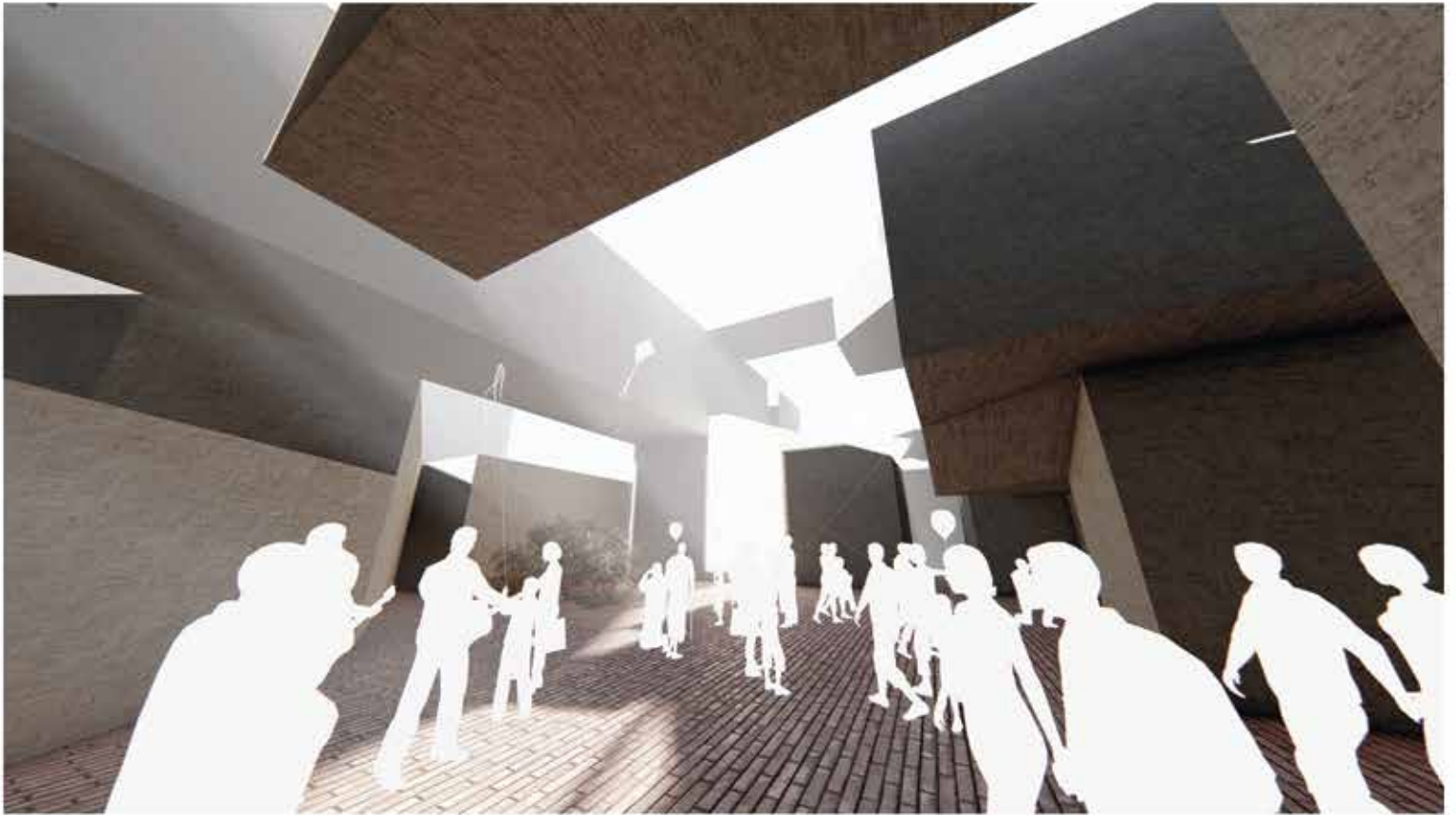
Breaking into Smaller
Functional Blocks

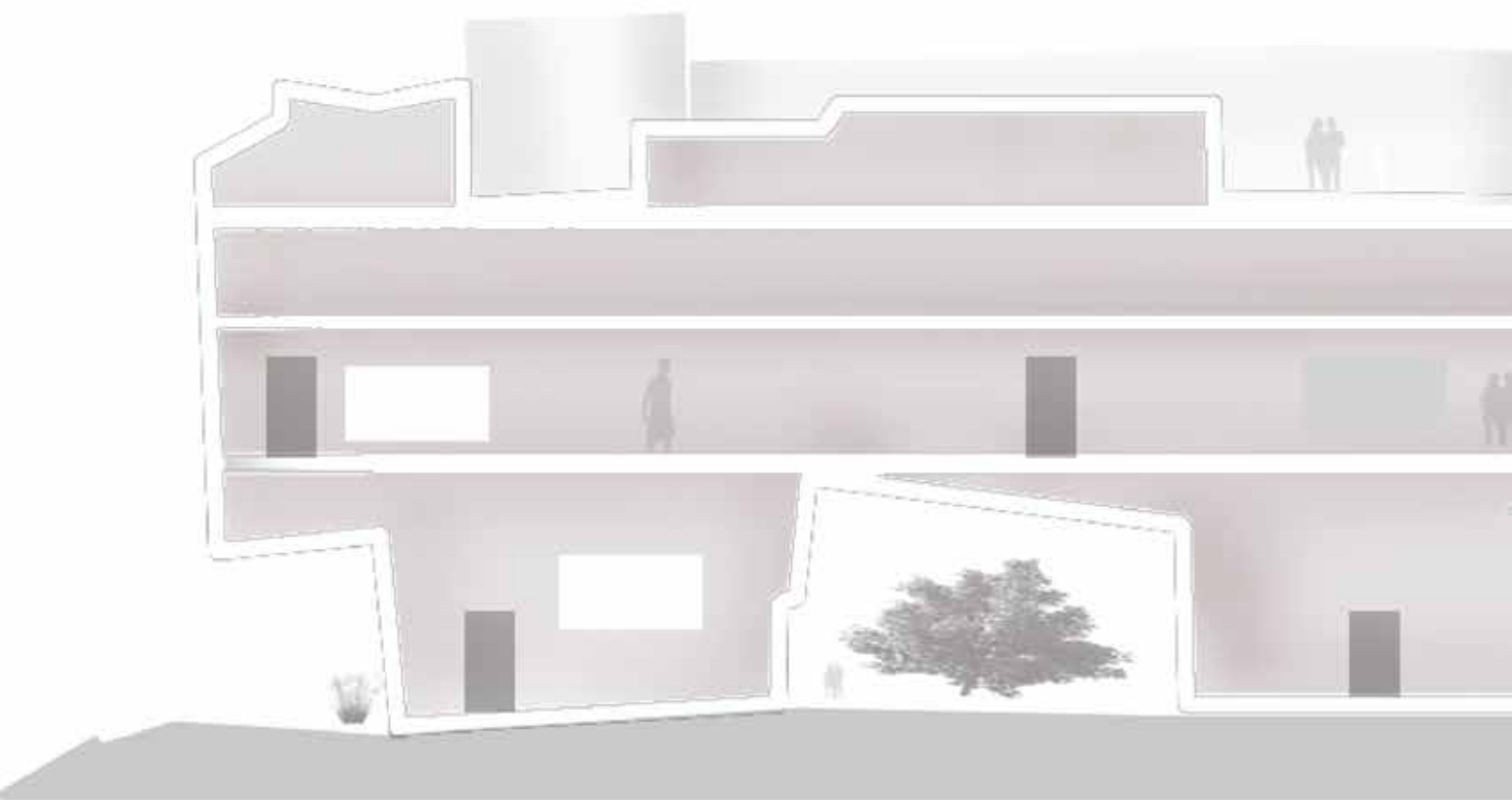


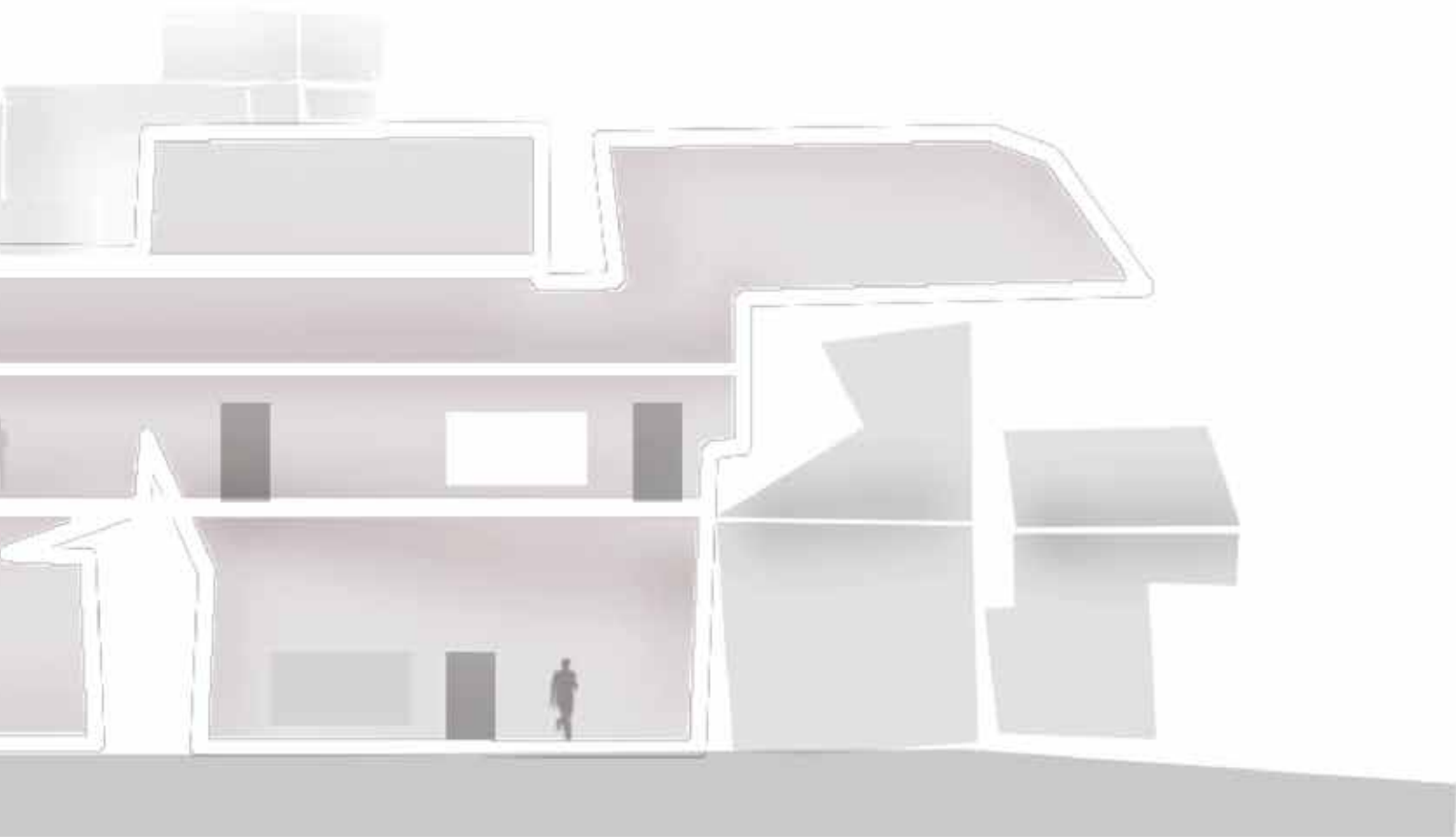


Blending in due to its Multiplicity









Shahjahanabad is that place which has been formed of overlaying of memories through time hence the form came out to be juxtaposition of all the spaces with their respective overlaying of memories, hence the form belonging to Shahjahanabad, but the experiential quality is non-chaotic making the complex "a Tree of Calmness in the forest of Chaos."

The Professor was haunted by a repeating dream where he and his friends, were stranded on a beautiful exotic island without any inhabitants. His friends also experienced the same dream. It was as if the

House of Stark

"The site required functional aesthetics with the client being a scientist, hence providing him with spaces which cater to functionality which is not limited to the traditional methods. Also the site weather conditions lead it to have the most stable structures 'the Geodesic Dome'"

DETAILS

Location: Philippine Sea off the coast of Philippines at Lat 16N, Long 136E

Program: Residence of a Scientist

Materials: Wooden Frame with cladding

Use: Residential

Semester: 2

Professors: Gautam Trivedi

Duration: 5 Months

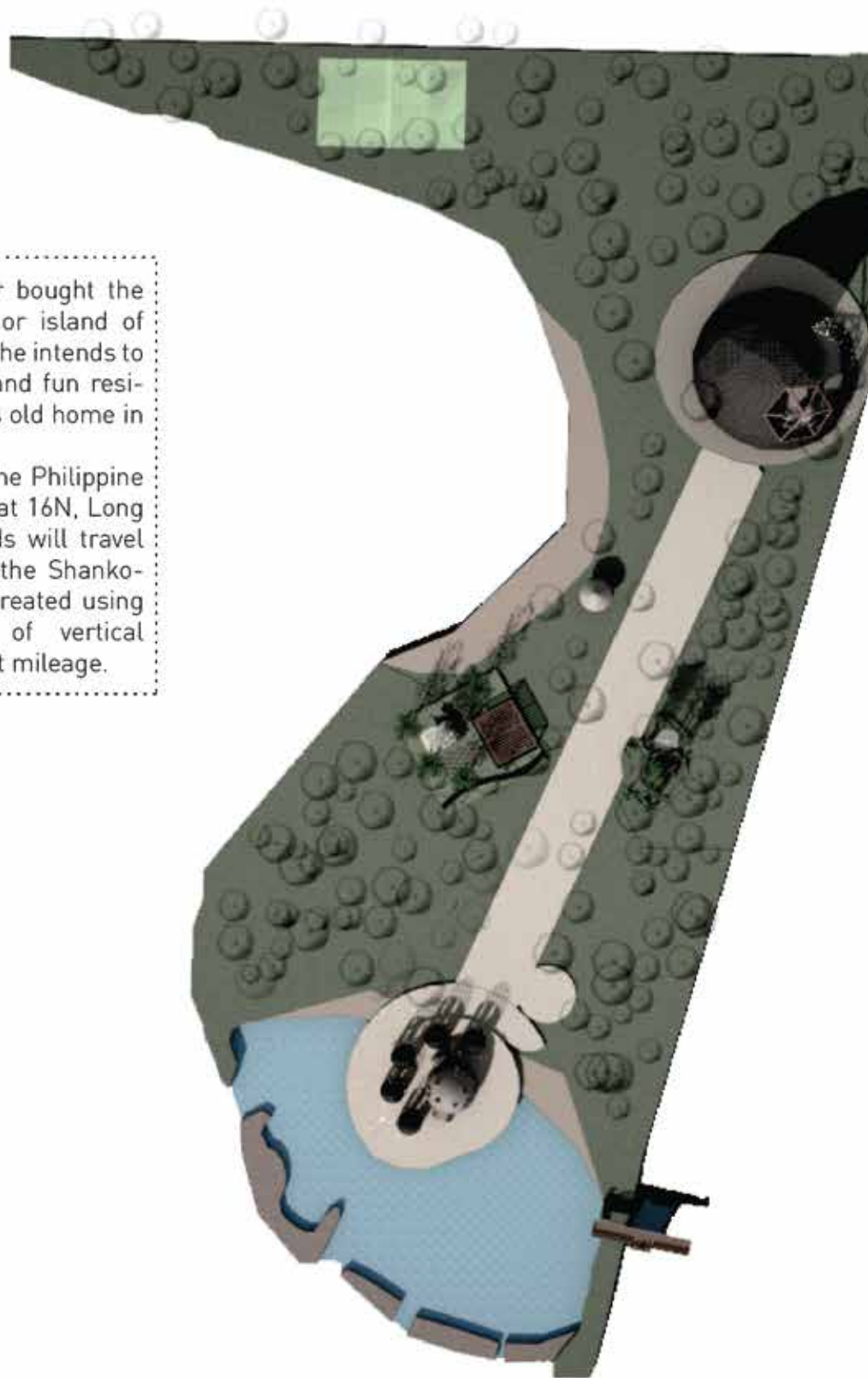
Methods: Autocad, Rhino, Sketchup.

Concept: Imbibing advanced functionality catering specifically to the client.



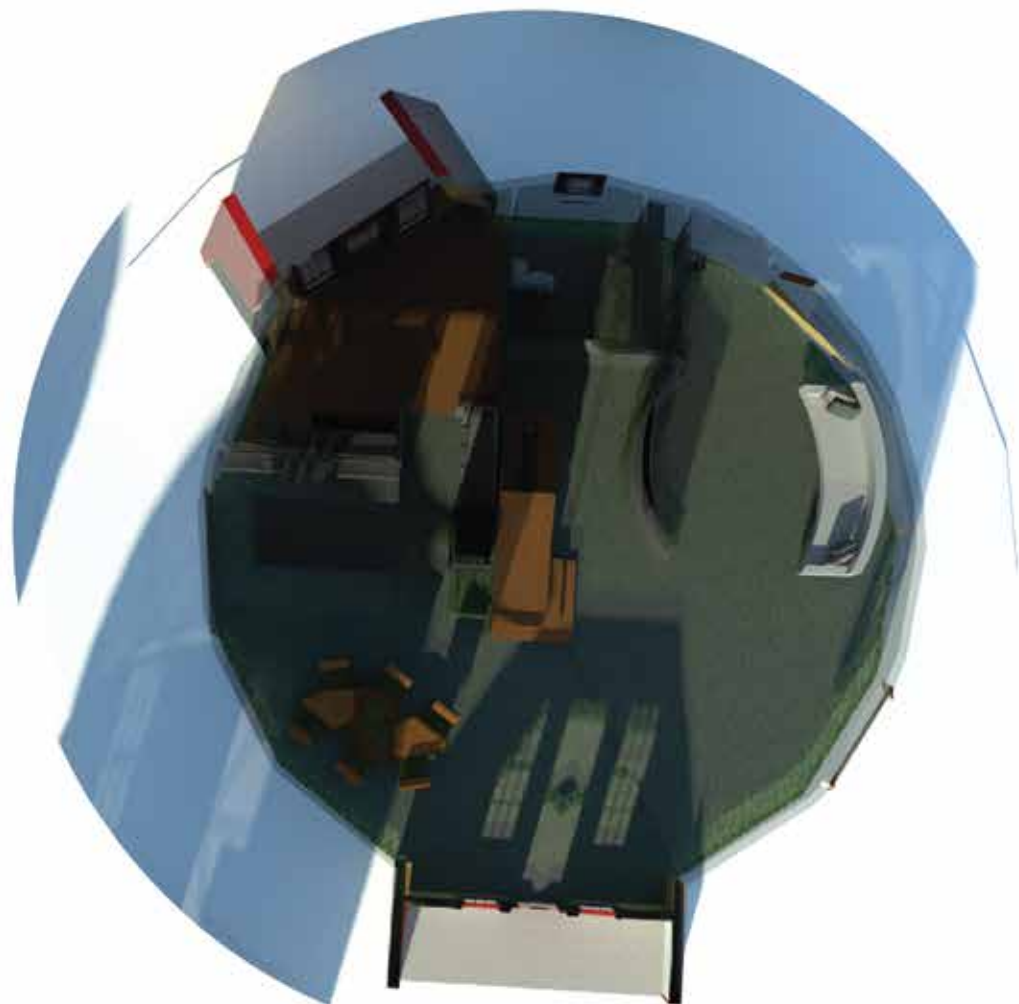
After that adventure, the Professor bought the island and named it Swapnadwip or island of dreams, which is now the site where he intends to construct an inspiring, innovative, and fun residence and work place away from his old home in Giridih.

The Island of dreams is located in the Philippine Sea off the coast of Philippines at Lat 16N, Long 136E. The Professor and his friends will travel between Giridih and the island by the Shanko-plane which is a small hovercraft created using anti-gravity technology, capable of vertical take-off and landing and magnificent mileage.



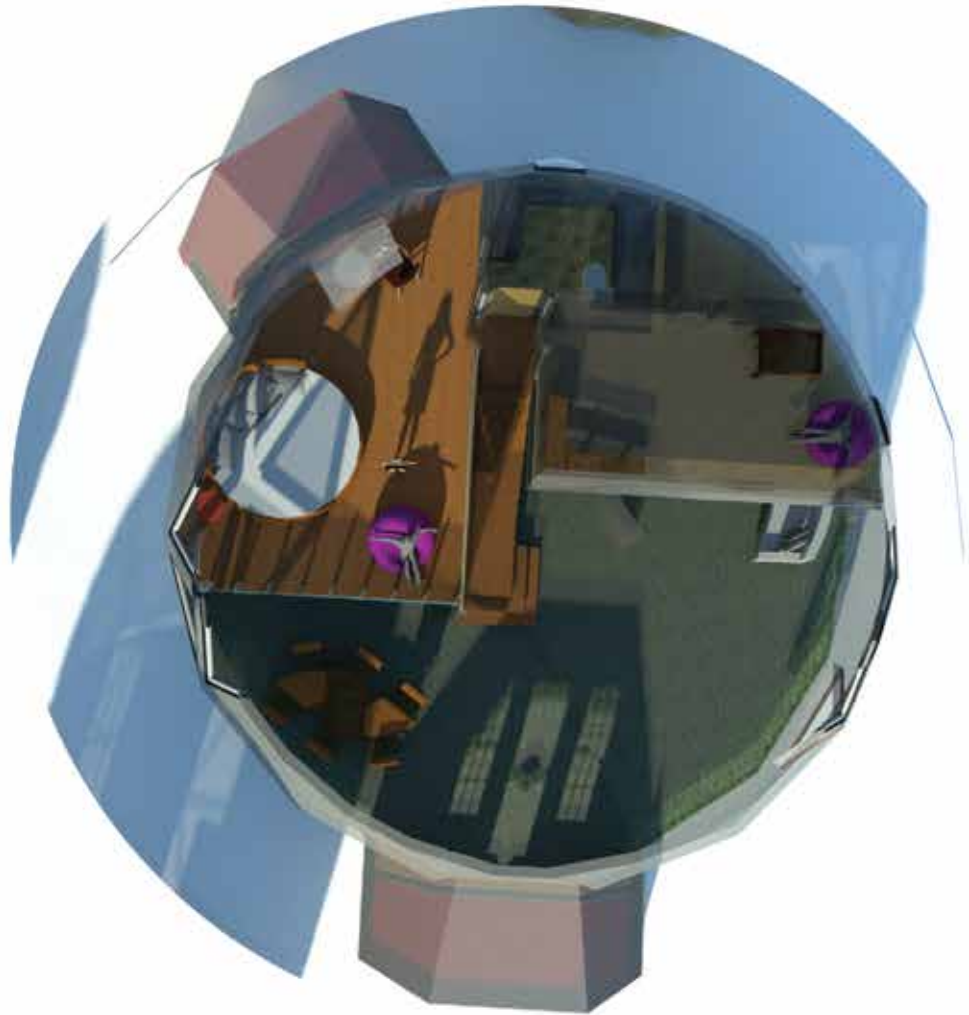
Site Plan





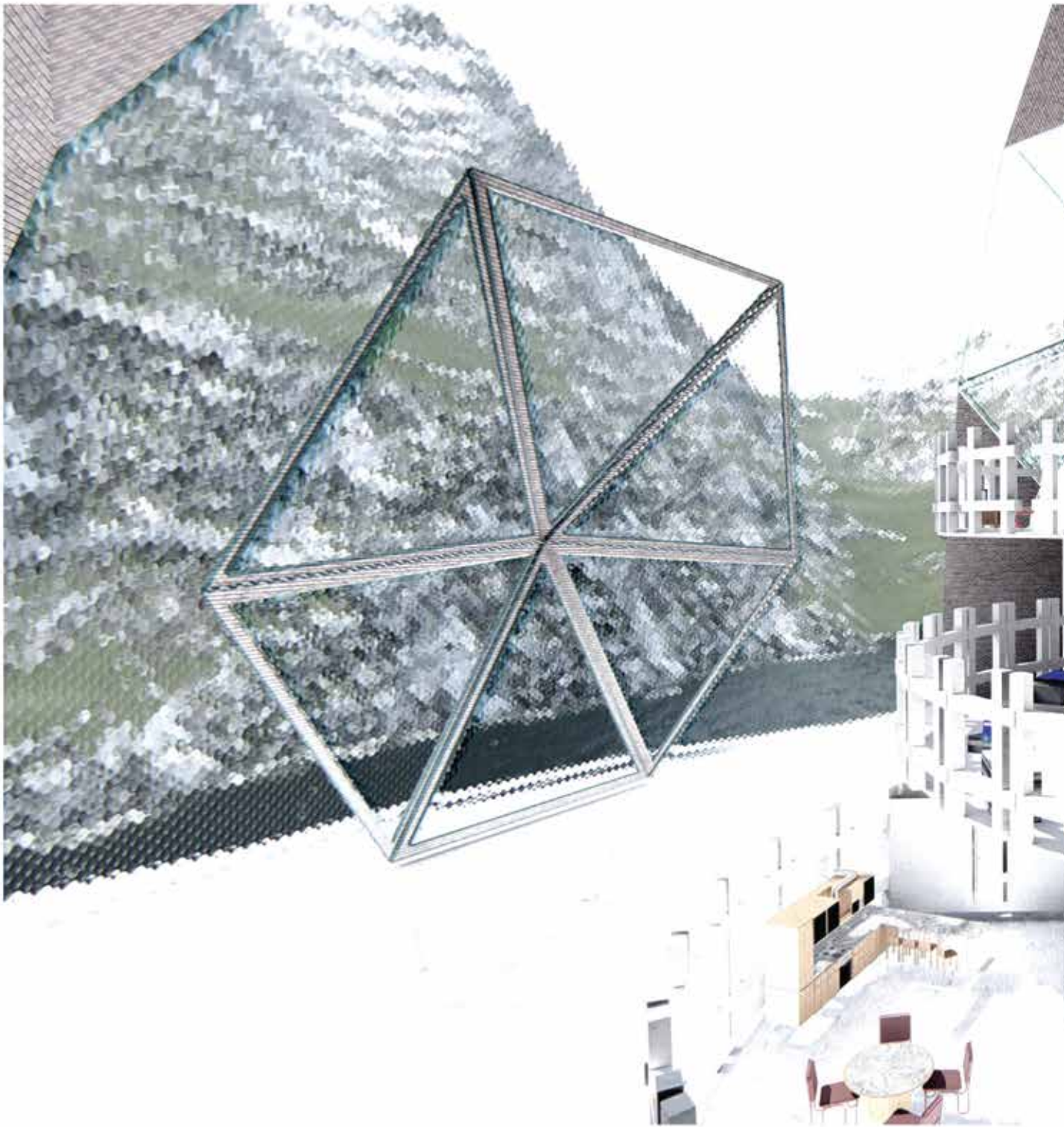
Ground Floor Plan

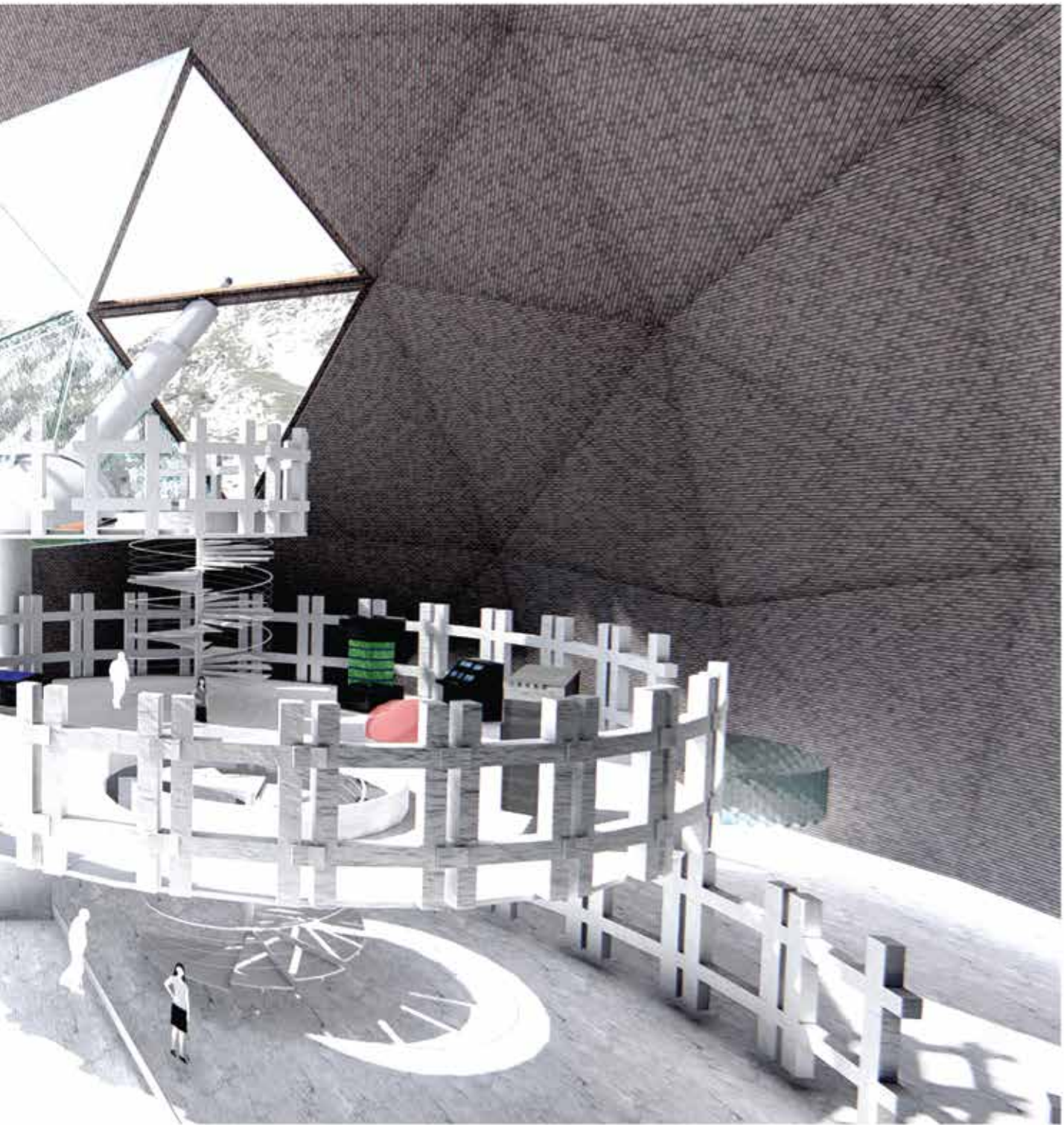
The profile of the Site enables the users to have a view of the landscape within a distance of 30 M. The demand for a large space is due to the fact that Professor likes to be stationary at a particular space. The buffer zone is required in the journey of Home from Work, but the view is not with sleeping arrangement such that he can have a good view. The Geodesic dome has been chosen as it provides a living which the professor is accustomed to.

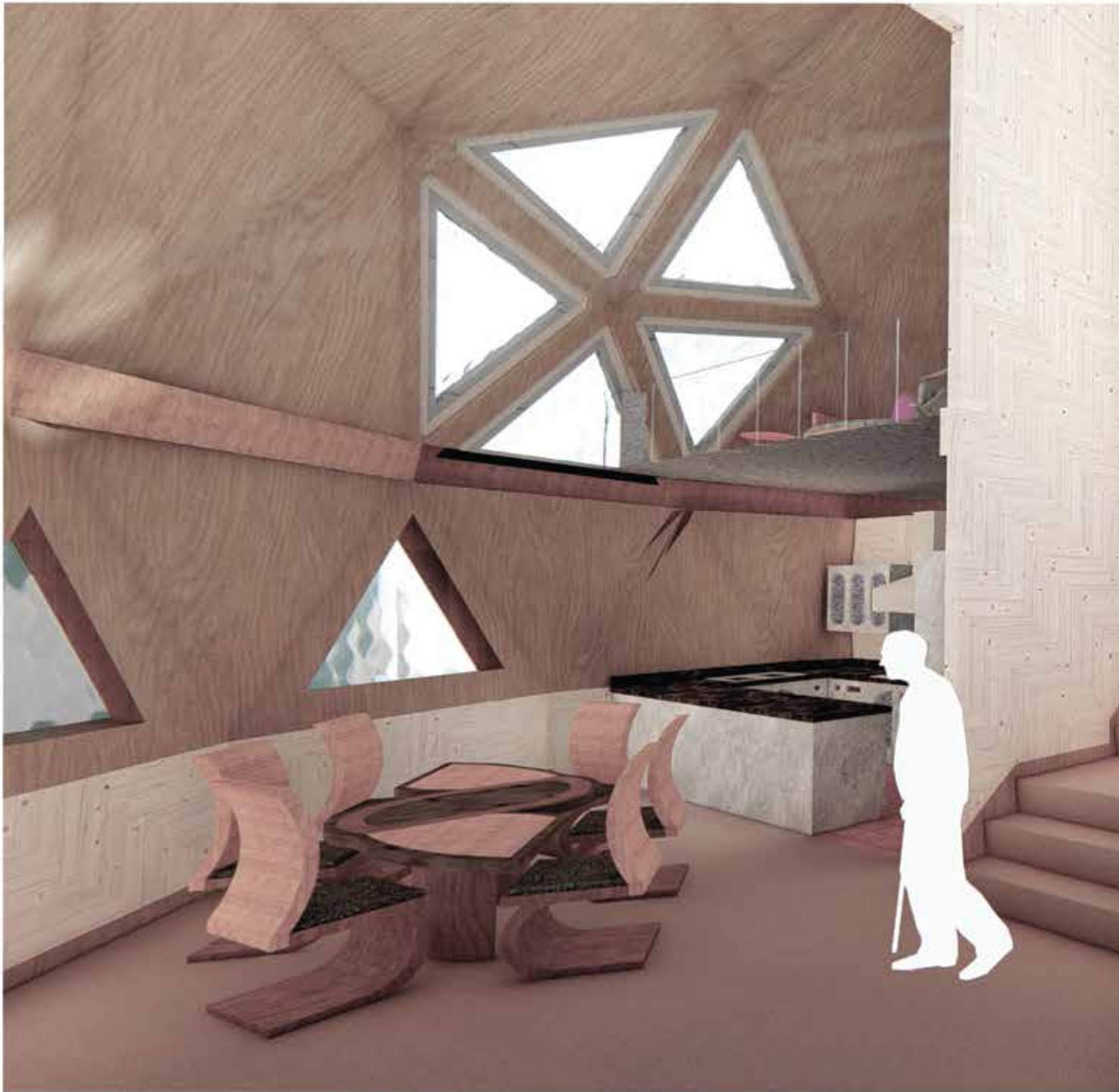


First Floor Plan

have a linear branching out exper-
iation of the house and the work-
es to explore rather than sbeing
spaces in the middle are the stops
workspace has also been provided
n work for longer hours.
is optimised for machine modular









The Project was aimed to provide innovations in sustainability, hence we focused on the realisation of the project with innovation in the detailings.

I.T.A.D.

"The competition was a great lesson on sustainability changing the perception of the concept of being sustainable"

DETAILS

Location: Singapore

Program: Housing

Use: Residential

Collaborator: Saman Jain

Semester: 5 1/2

Professors: Abu Talha Farooqi

Duration: 2 weeks

Methods: Grasshopper , Rhino.. Autodesk Simulation , Revit , Sketchup

Concept: Execution of a realisable establishment with strong planning and management in terms of sustainability.



ADDITIONAL ARCHITECTURE I

PORES. TRADITIONAL ADICH HOUSES CONSIST OF LOW-RISE HOUSES WITH COLORED FACED, LIGHT-COLOR PLASTER WITH HEAT-AND-GAS-CONVEYING VENTILATION, COULDN'T BE USED AS A CONVENTIONAL HOUSE. THE ORIGINAL WALLS, FORMING PART OF THE WEATHER SURFACES, TO PROTECT FROM THE SEVERE SUN SHEDDING ROOF TO PROTECT FROM THE RAIN. BUT THE COLORED VENTILATION AND LAST BUT NOT THE LEAST A CLIMATE MESSAGE TO THE LOCALITY. PEACE, LOVE AND VENTILATION.

* FOLLOW TRADITIONAL ARCHITECTURE |

ARCHITECTS BEING CONSTRUCTED TODAY PROVIDE AN ANSWER TO THE NEEDS OF ALL THE BOTH MEMBERS AND CLIENTS THAT ARE NECESSARY.

GREEN BUILDING CONSUMES LESS ENERGY THAN CONSIDERED FOR AN AVERAGE HOUSEHOLD HENCE MORE ENERGY IS PRODUCED AND SENT BACK TO THE GRID THAN ALREADY CALCULATED.

BIO-MASS PRODUCED IS 60 PERCENT OF THE WASTE PRODUCED
 WASTE PRODUCED PER HOUSEHOLD IN MERVIS/SAKING PER
 MONTH
 BIO-MASS PRODUCED PER HOUSEHOLD IN MERVIS/SAKING PER MONTH
 ENERGY PRODUCED FROM DOMESTIC WASTE = 900 PER
 KWH/90 KW PER KG
 PROSPECTIVE ENERGY PRODUCED BY ONE HOUSEHOLD PER
 25.45 KW
 PROSPECTIVE ENERGY PRODUCED BY HOUSING
 4025.04/33000.40

BUT ONLY FISH/WHR IS REQUIRED HENCE NOT ALL BIO MASS WOULD BE USED AS IT WOULD LEAD TO INCREASE IN THE TEMPERATURE OF MICROCLIMATE OF THE HOUSING AND ALSO SO

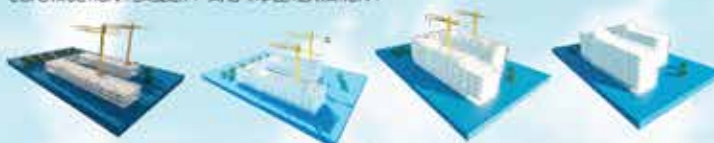
PROVIDING A HOSPITALITY SPACE AT A BUSINESS MEETING, THE RESTAURANT'S PLATE, WARE, AND CROCKERY MUST CAPTURE THE ESSENCE OF THE DAY. THE IMAGE IS ALSO REPRODUCED ON A POSTER TO MARK THE AFTERNOON AND LATE AFTERNOON MEAL. THIS CAN ALL BE PROVIDED BY SHAW'S INTERNATIONAL. SHAW'S CAN ALSO BE THE MAIN FURNITURE AND UTILITY SUPPLIER, WHICH COVERS THE TABLE, CHAIRS, AND

DO NOT CALL:

Group	Bottom Green Segment	Middle Yellow Segment	Top Green Segment	Total Frequency
Group 1	3	4	3	10
Group 2	3	4	3	10
Group 3	3	4	3	10
Group 4	4	4	2	10
Group 5	3	4	3	10
Group 6	3	4	3	10

BE THOUGHTFUL WHEN AN AUDIENCE COLLECTS IN AND AUDIENCE MEMBER OF THE
IT DAYS WITH UNUSUALITY THROUGH WITH HAND CRAFTS

CONSTRUCTION FEASIBILITY AND IMPLEMENTATION



BIG IDEAS 1

INDIVIDUALLY



BURNING WITH LOCAL
ECOLOGY THROUGH
CROSS-SCALE RESEARCH

CONNECTIVITY I



THESE RESULTS ARE WITH
HOLDING OF THE OTHER
VARIABLES.

NET.ZOO DESIGN



1. 1997, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680,

ENERGY EFFICIENT



DEPARTMENT OF COMMUNICATIONS
EDUCATION OFFICE
1000 UNIVERSITY AVENUE, SUITE 100
ANN ARBOR, MI 48106-1500

CONCLUSION



PUBLIC WORKS OFFICE THE
COUNTY OF LOS ANGELES
BUREAU OF THE CITY ENGINEER

[illegible]

AVERAGE MONTHLY WATER CONSUMPTION OF A TYPICAL HOUSEHOLD (SINGAPORE) WITH A HOUSEHOLD PROJECT ZERO TOTAL WATER CONSUMPTION AT 20% OF THE PRESENT MONTHLY WATER CONSUMPTION OF THE MASSIVE AMOUNT OF 300 GALLONS WATER CONSUMPTION PER HOUSEHOLD, WHERE A MAJORITY AMOUNT ALSO GOES TO PRODUCE ON SITE.

Five CONSIDERATIONS MAY RESULT FROM THE ABOVE: (1) CONSIDERATION SHOULD BE GIVEN TO THE MONTHLY RAINFALL FROM THE WATERSHEDS, A TOTAL OF 177 IN. OF WATER CAN BE PRODUCED WHICH EQUALLY EQUALS TO THE FULFILLING NECESSITY OF 9% OF TOTAL CONSUMPTION.

RECYCLED WATER IN FLUSHING CAN BE PRODUCED FROM THE SANITARY WASTE
 ALTHOUGH THERE ARE SOME LIMITS TO HOW MUCH RECYCLED WATER CAN BE CONVERTED TO A USE OR TOTAL USAGE THAT IS USED IN A SINGLE COMMUNITY

LEADS MAY BE THE ONLY SOURCE OF LIMITED INFORMATION THAT'S AVAILABLE TO COMPACTS, AND A SOURCE THAT'S NOT ALWAYS

CONSIDERING A GREEN BUILDING, AND IT LEADS WITH FAST FACTS: SHITTING IN THE AIR AND LOW USAGE WILL HAVE CONSIDERABLY LOWERED WATER CONSUMPTION THAN COMMON HOUSEHOLD, HENCE EARLY SATISFYING THE MODEL SETUP HERE.

SITE	CADWELITE	KEDDIE DETENTION	WEST COAST HWY	KEDDIE TREATMENT	KEDDIE HADROKLO
------	-----------	------------------	----------------	------------------	-----------------

				
LIONEL MESSI	TERESA VILLVERDE	BUKET DONMEZ	HEDVIG LINDHAL	TAI HING NG

TEDESANO	BOHE
TEDESANO	BOHE

1

RECEIVED

	DATA	DETAILED
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100

ITAD COMPETITION 2017 | SAMAN JAIN - 14000764 | SURAJ ARORA - 14001033

I. ANSAL UNIVERSITY | INDIA

PROJECT ZERO 零

IDEA BEHIND IT

DESIGN VISION - A STEP CLOSER TO THE FUTURE I

As a project, it is not just about the building itself, but about the community it creates. The vision is to create a sustainable, self-sufficient community that is resilient to the challenges of the future. The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive.

SOCIAL VULNERABILITIES OF PROJECT ZERO - A STEP CLOSER TO THE PAST I

The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive. The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive.

PROJECT ZERO: CONSTRUCTION BASICS - A STEP CLOSER TO REALITY I

The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive. The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive.

INCLUSION - A STEP CLOSER TO COMMUNITY I

The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive. The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive.

INTEGRATION - A STEP CLOSER TO THE NEIGHBOURHOOD I

The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive. The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive.

IDEA BEHIND THE FORM I

CHARGE II



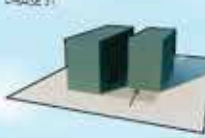
STARTING WITH A BASIC FORM

CHARGE II



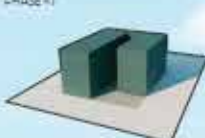
DRIVING ALONG THE LONGER SIDE INTO ZIGZAGS, INTRODUCING VENTILATION ON THE SIDE

CHARGE III



REDUCING SIZE OF THE PEAR BLOCK TO ALLOW A CORRIDOR THROUGH THE CENTRAL COURTYARD

CHARGE IV



LINKING THE BLOCKS WITH A CORRIDOR ON THE TOP, THEN INTRODUCING A CORRIDOR THROUGH THE CENTRAL COURTYARD

CHARGE V



DRIFTING THE STRUCTURE, INTRODUCING A CORRIDOR THROUGH THE CENTRAL COURTYARD, COVERING ADDITIONAL VENTILATION

FOR THE FUTURE, TO STAY I

The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive. The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive.

TECHNICAL DISTASTES TOGETHER I

The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive. The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive.

OCCUPANT SATISFACTION I

The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive. The building is designed to be a catalyst for change, inspiring others to think about the future in a new way. The vision is to create a community that is not just a place to live, but a place to thrive.

FLOOR PLANS I

AXONOMETRIC I



STOREY 01



STOREY 02



STOREY 03



STOREY 04



STOREY 05



STOREY 06



PLANS I



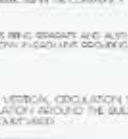
STOREY 01



STOREY 02



STOREY 03



STOREY 04



STOREY 05



STOREY 06



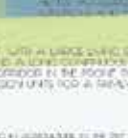
AXONOMETRIC I



STOREY 01



STOREY 02



STOREY 03



STOREY 04



STOREY 05



STOREY 06



AXONOMETRIC I



STOREY 01



STOREY 02



STOREY 03



STOREY 04



STOREY 05



STOREY 06



AXONOMETRIC I



STOREY 01



STOREY 02



STOREY 03



STOREY 04



STOREY 05



STOREY 06



AXONOMETRIC I



STOREY 01



STOREY 02



STOREY 03



STOREY 04



STOREY 05



STOREY 06



AXONOMETRIC I



STOREY 01



STOREY 02



STOREY 03



STOREY 04



STOREY 05



STOREY 06



AXONOMETRIC I



STOREY 01



STOREY 02



STOREY 03



STOREY 04



STOREY 05



STOREY 06



AXONOMETRIC I



STOREY 01



STOREY 02



AXONOMETRIC I



STOREY 01



STOREY 02



AXONOMETRIC I



STOREY 01



STOREY 02



AXONOMETRIC I



STOREY 01



STOREY 02



AXONOMETRIC I



STOREY 01



STOREY 02



AXONOMETRIC I



STOREY 01



STOREY 02



AXONOMETRIC I



STOREY 01



STOREY 02



AXONOMETRIC I



STOREY 01



STOREY 02



STOREY 03



STOREY 04



STOREY 05



STOREY 06



STOREY 07



STOREY 08



STOREY 09



STOREY 10



STOREY 11



STOREY 12



STOREY 13



STOREY 14



STOREY 15



STOREY 16



STOREY 17



STOREY 18



STOREY 19



STOREY 20



STOREY 21



STOREY 22



STOREY 23



STOREY 24



STOREY 25



STOREY 26



STOREY 27



STOREY 28

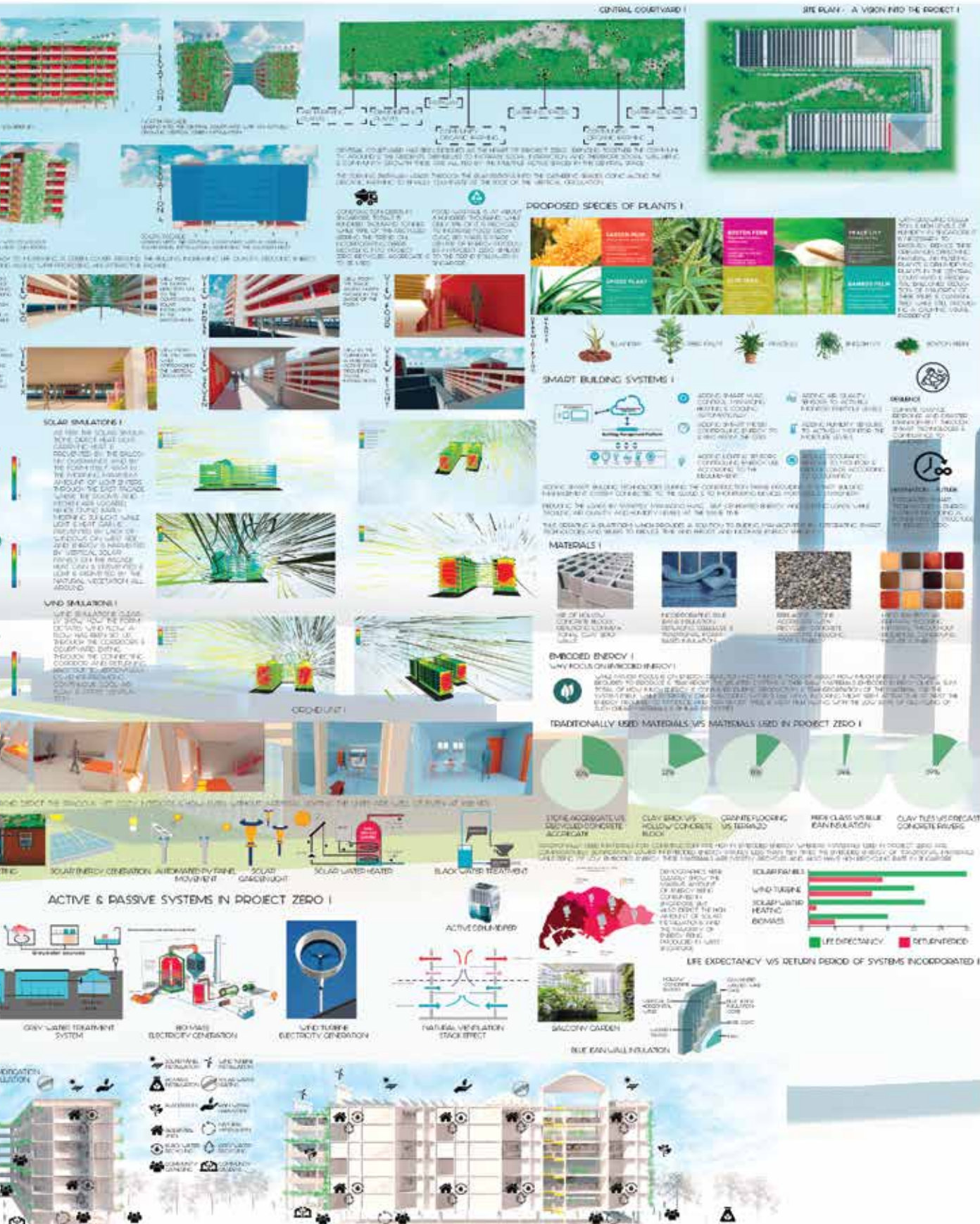


STOREY 29



STOREY 30





The Project was executed during the tenure of the Internship as it was the first time being working in the firm , hence I was mentored by the principal architect Kingshuk Datta .

Kaunas Science Island

The competition was a great experience as it showed the reality, the stress and the outburst of joy of working in an office environment.

DETAILS

Location: Lithuania

Program: Science Exploration Space

Use: Institutional and Promotional

Collaborator: Members of SHIDA Architecture

Semester: 4i 1/2

Professors: Kingshuk Datta

Duration: 1 month

Methods: Grasshopper , Rhino..

Concept: Creation of a Science Island primarily through data for educational and promotional purposes.

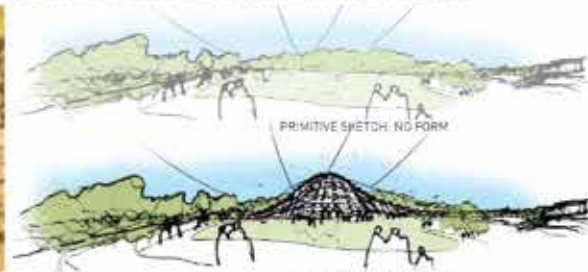




Egle Zalcia Karalienė - Egle, The Queen of serpents - Formal, Material & Ethnic patterns' inspiration from sculptures by Riberka Antónia (Piscanga Dama LT, 1960)



DETAIL OF A WRITHING SERPENT



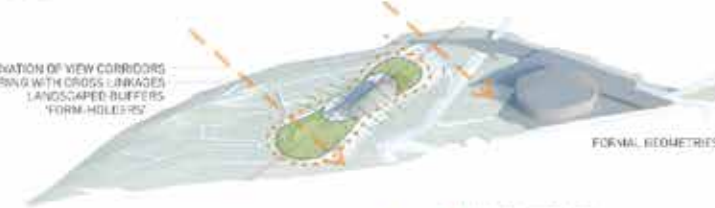
PRIMITIVE SKETCH: FORM

FUSION OF ELEMENTS
LANDSCAPE + FACADE + ARCHITECTURE

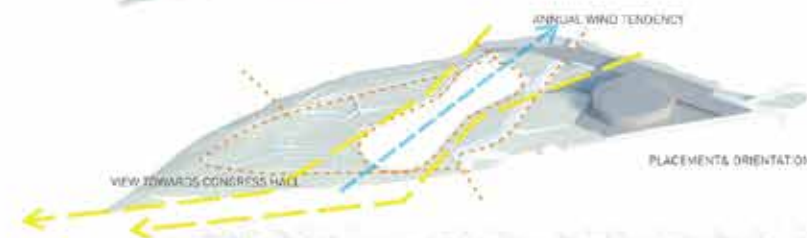


ESTABLISHED FORM

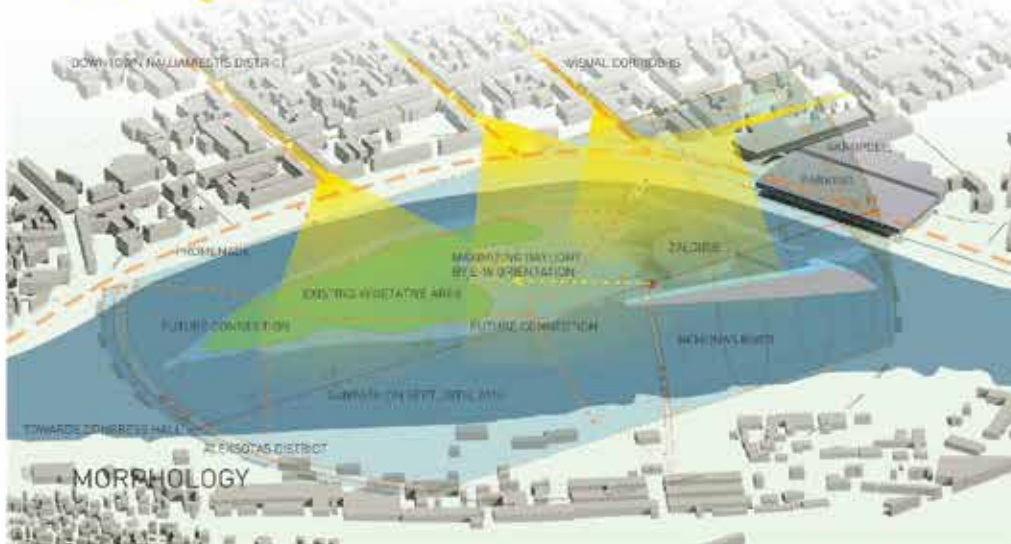
PRESERVATION OF VIEW CORRIDORS
PEDESTRIAN & BICYCLE RING WITH CROSS LINKAGES
LANDSCAPED BUFFERS
'FORM-HOLE'IES



FORMAL GEOMETRIES



PLACEMENT & ORIENTATION



MORPHOLOGY



Science is everything, everywhere and everyone.

The Mokslinis (Future Science) is conceived as a human endeavor, not just as a scientific one, rather the human impact on the planet.

The external volume is borne out of Computational studies of annual wind patterns and mass corridors, attractors. The internal formal materiality seeks to encourage tactile exploration.

In its core premise, the building is a form void. The hall will be designed to be a social outdoor, growing forest in years to come. Perforations will not really be a century or so lasting in its evolution as a beautiful relic.

We are for an architecture that is contributing to be a better world, that grows in a network of a capital.

We are for these architectures of nostalgia, for people

PRIMARY, SECONDARY & TERTIARY



TYPICAL HISTORIC FACADE

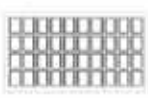




UNITARY GRIDDING



UNITARY GRIDDING



COMPACTION



ORIENTATION FROM NEMUNAS



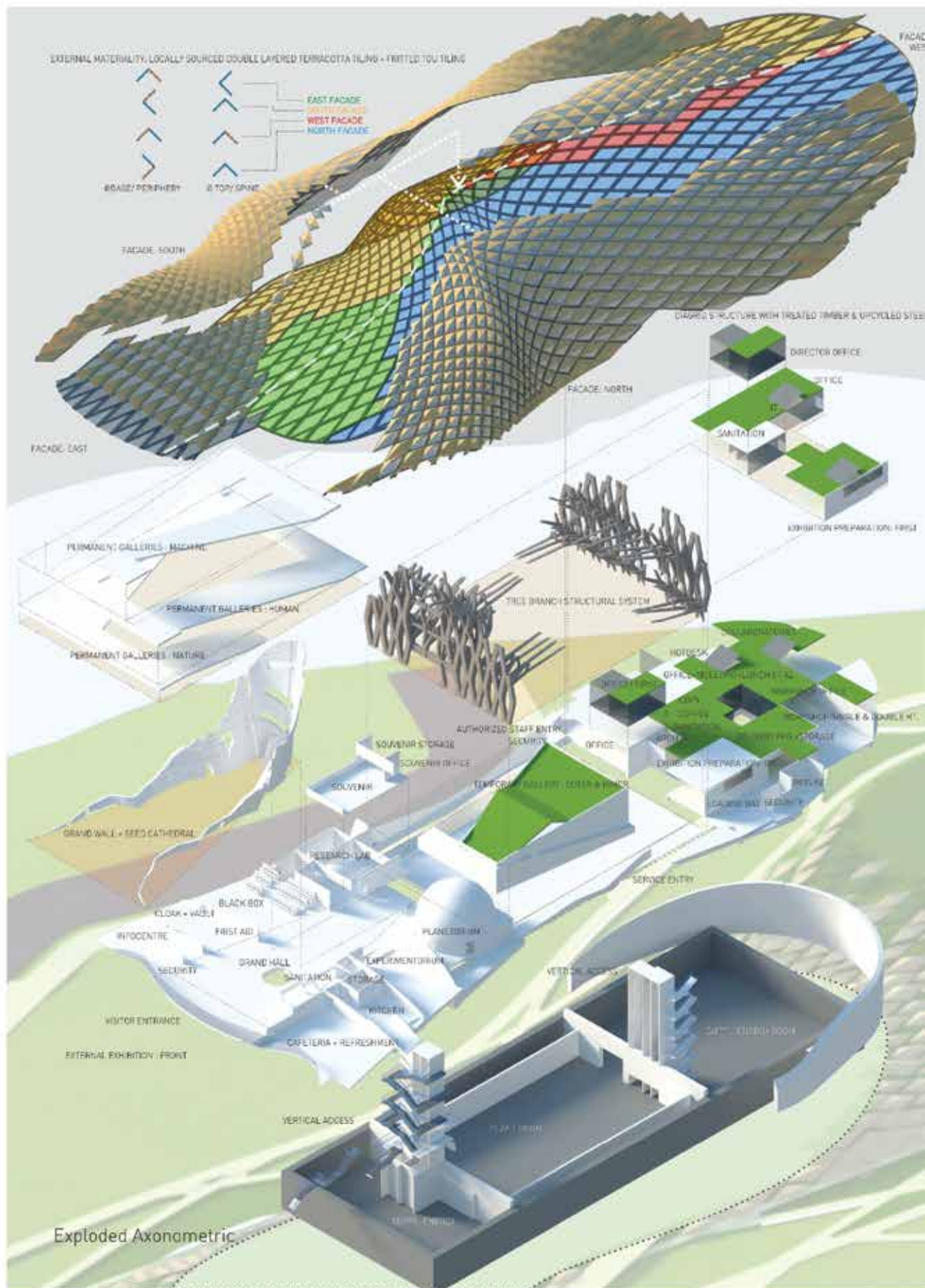
REORDERING



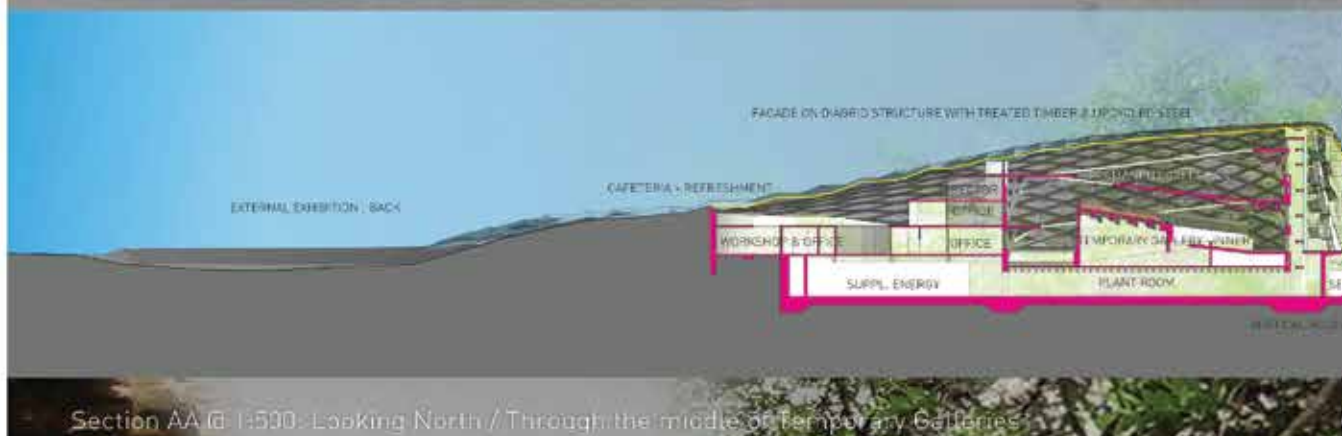
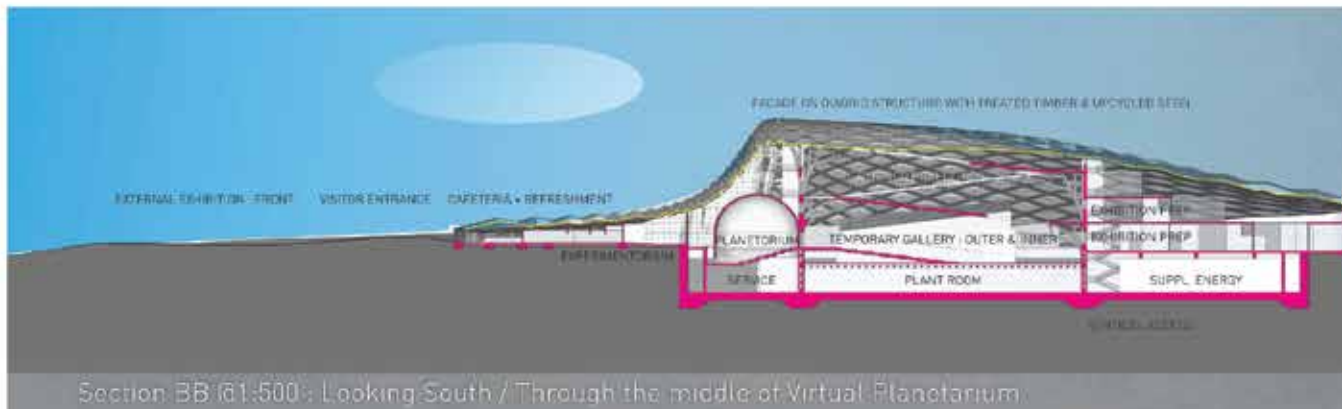
SHAPE OVER AERODYNAMIC FORM

'Snake in the City' : Facade Morphology





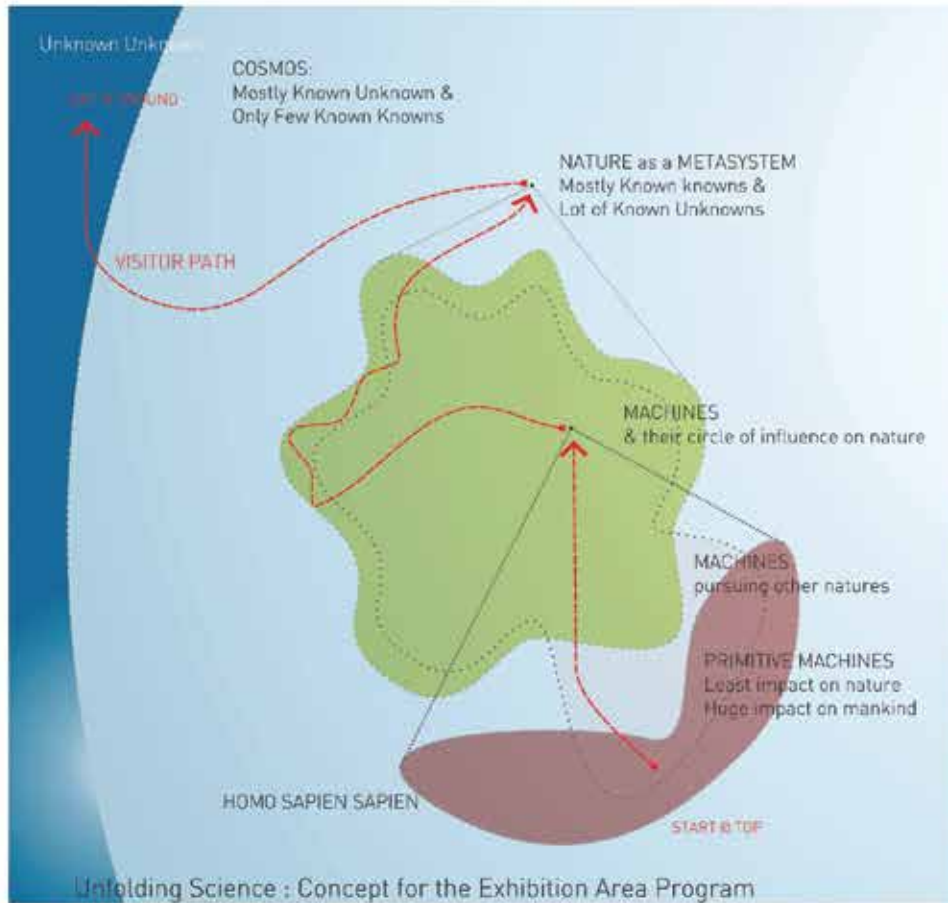




The Entrance Hall allows visitors a spectacular sense of arrival, much like the dwarfing effect of the interiors of St. Peter's Basilica & The Pantheon. Uni-directional orientation makes extra wayfinding cues redundant. One direction. Awesomeness!









SI-81320	4
COMPETITION ENTRY STAGE 01	
INTERIOR ARCHITECTURE of GALLERIES	
 MOKSLA TEITIS NATIONAL SCIENCE & INNOVATION CENTRE	

Repository of the Bizarre : Entering the Permanent Galleries at the 'Machine' section / Summer / Evening



The Bizarre : Inside the 'Zoology' section overlooking the 'Nature' above Temp Galleries / Summer / Evening

The Project aimed at creating a public parliament whereby the users can interact with in many ways while having the comfortability of a resting place.

Design by DATA

"The context called for a need of a platform where everyone is enlightened about everyone hence a platform is to be made to make it possible"

DETAILS

Location: Barcelona, Spain

Program: Court of Dwellers

Materials: Exposed Concrete with wooden perforations with solar panel cladding.

Use: Installation

Collaborator: Ramy Ayderous, Julia ubeda , Juan , Kevin , Valentina

Semester: Global Summer School

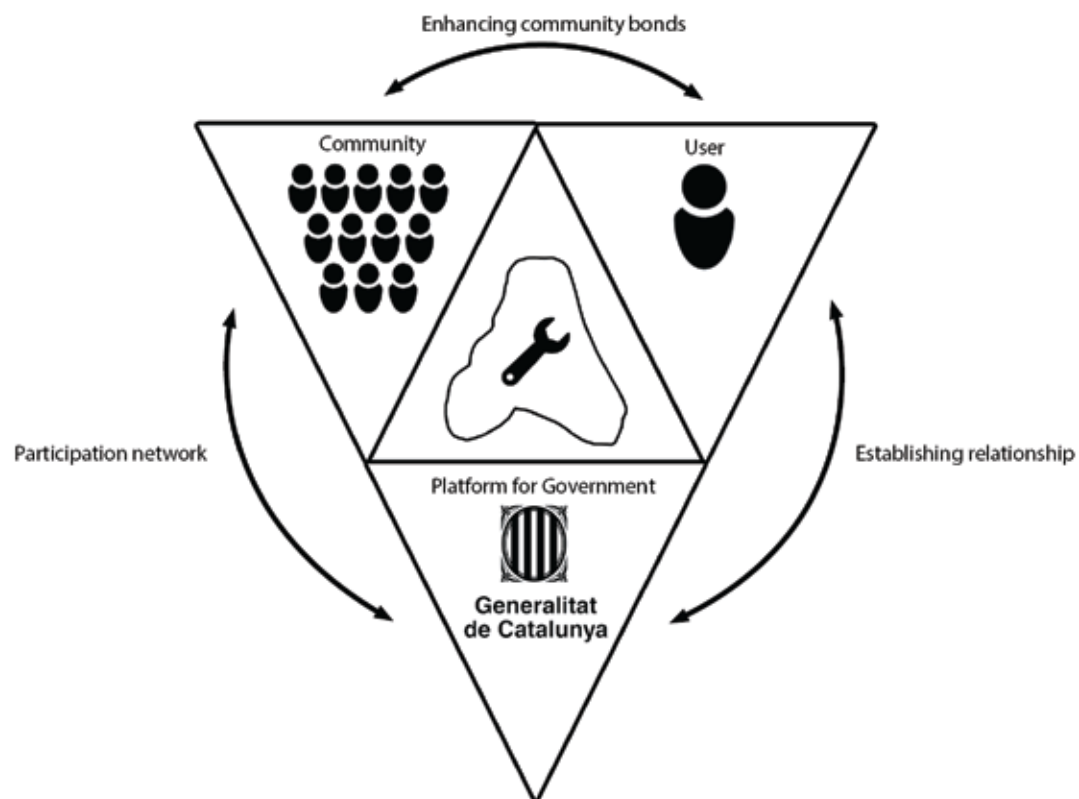
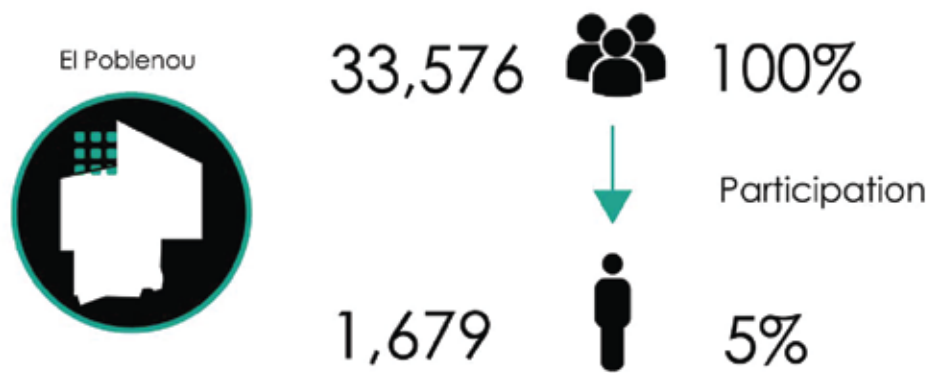
Professors: Aldo Solazzo , Sebastian Amorelli ,Jesus Ariel

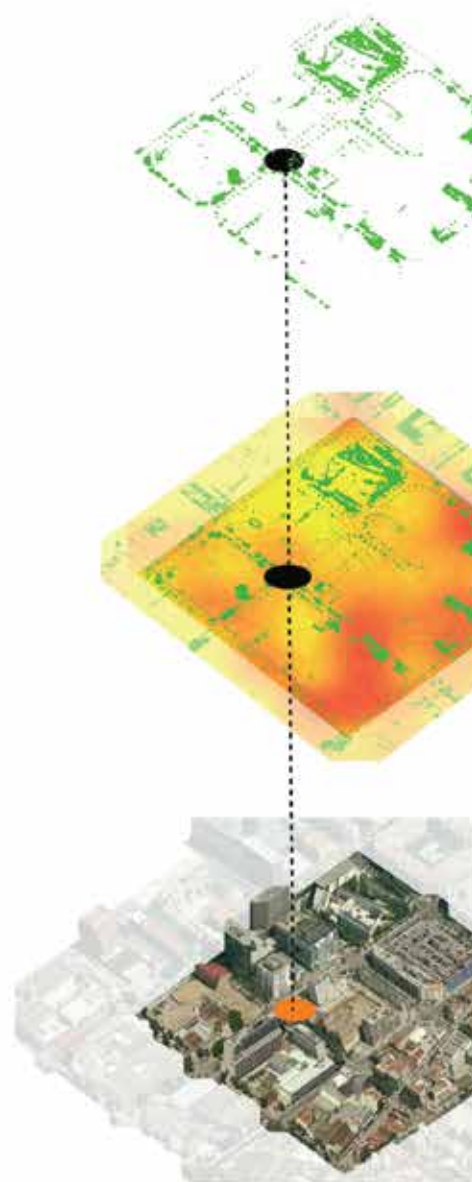
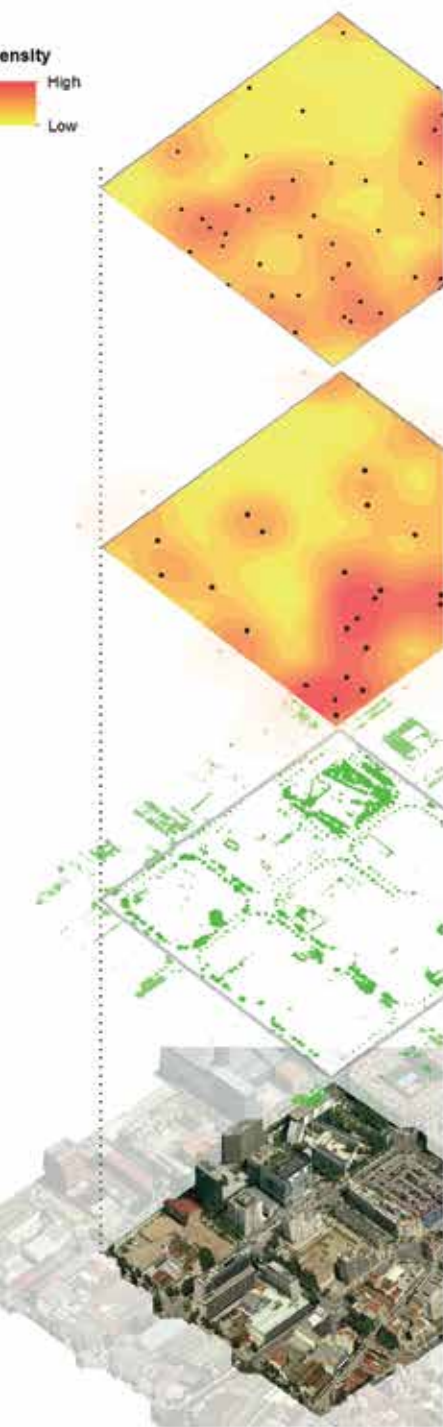
Duration: 2 Weeks

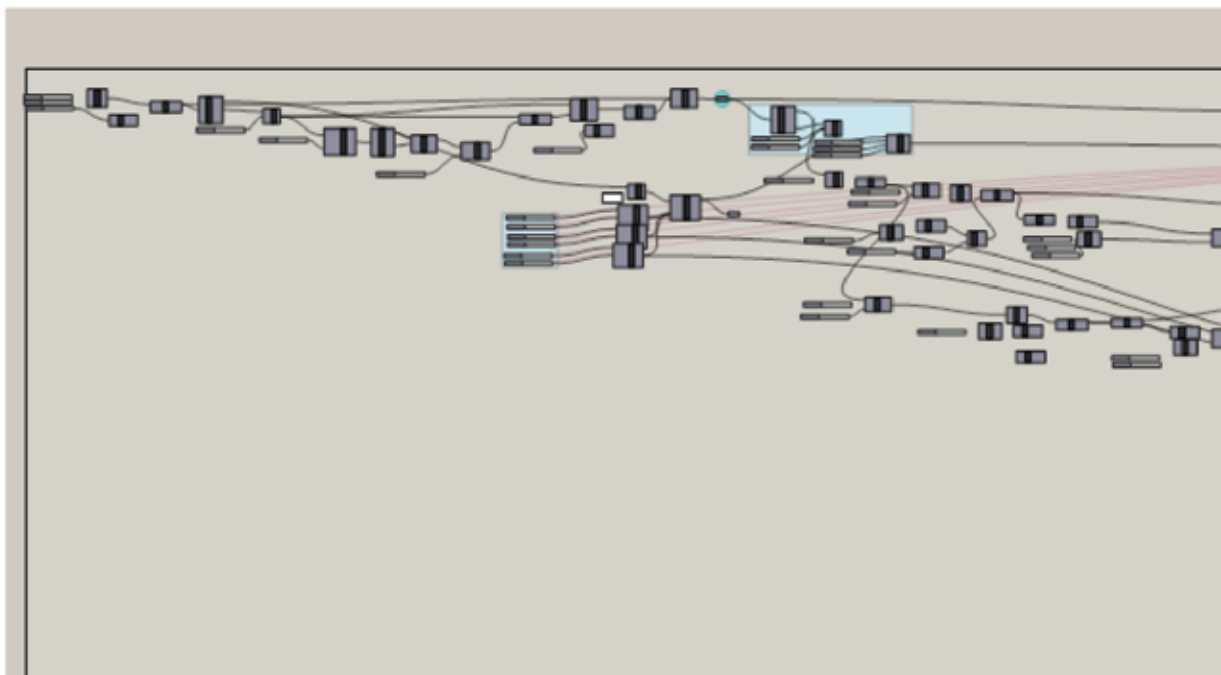
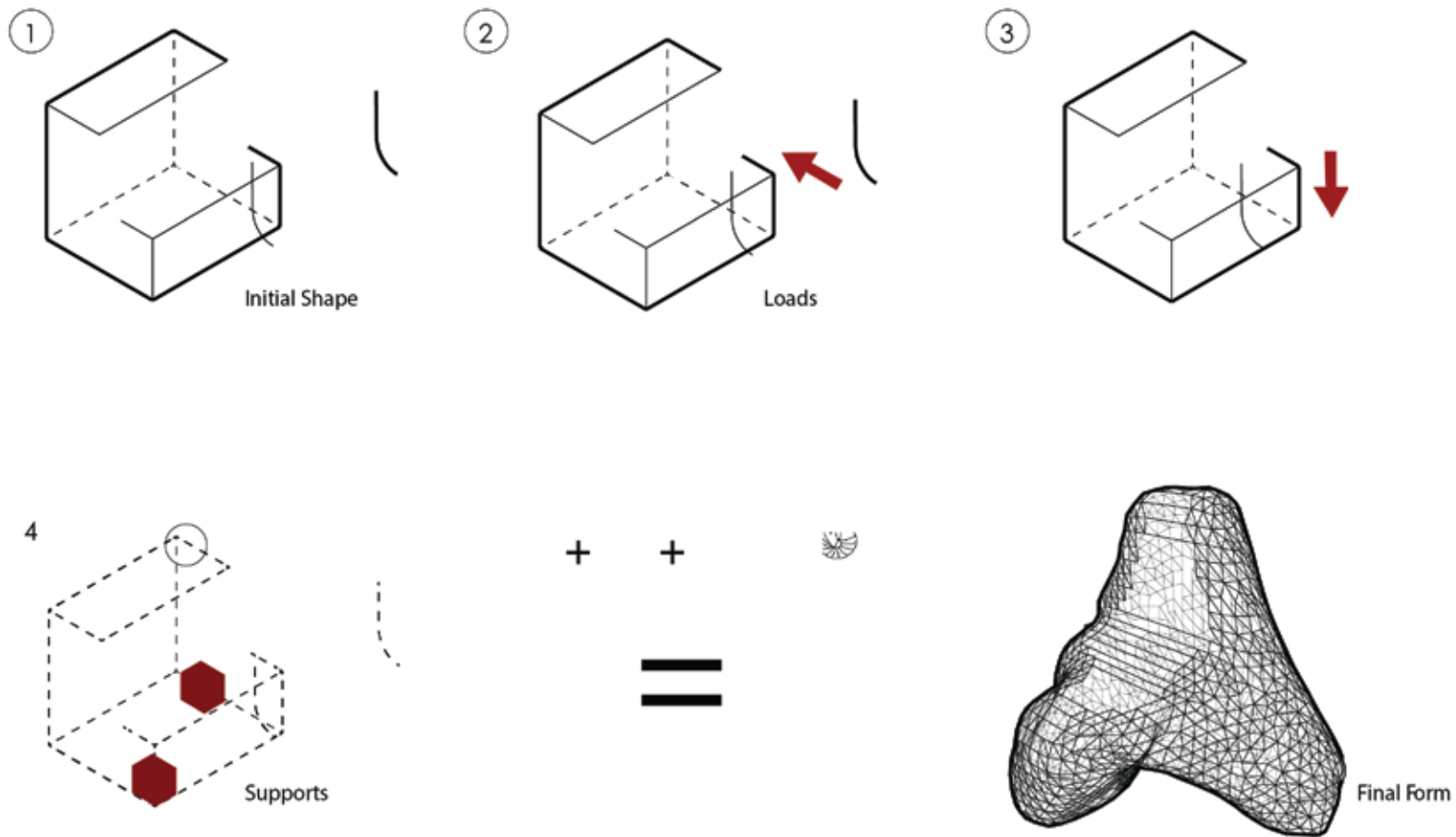
Methods: Kuka Robot , Styrofoam model making , Grasshopper , Rhino , Vray.

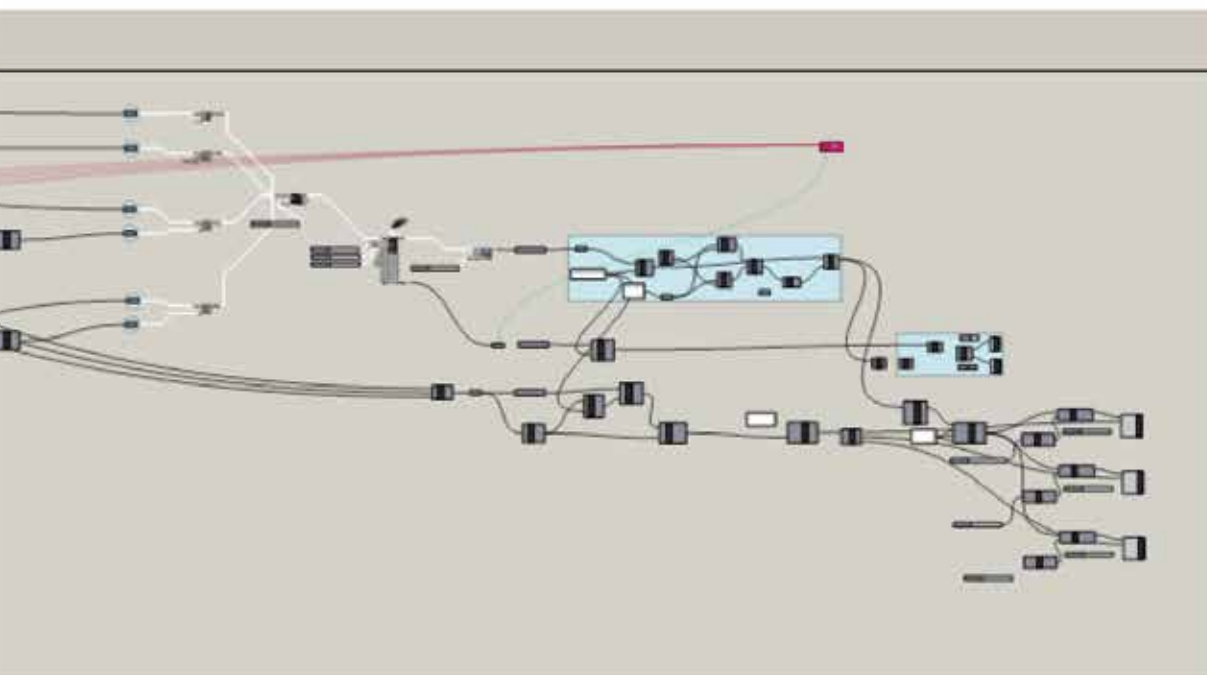
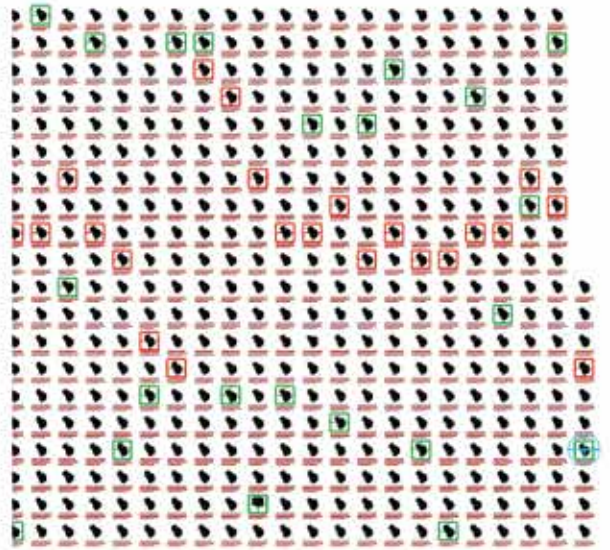
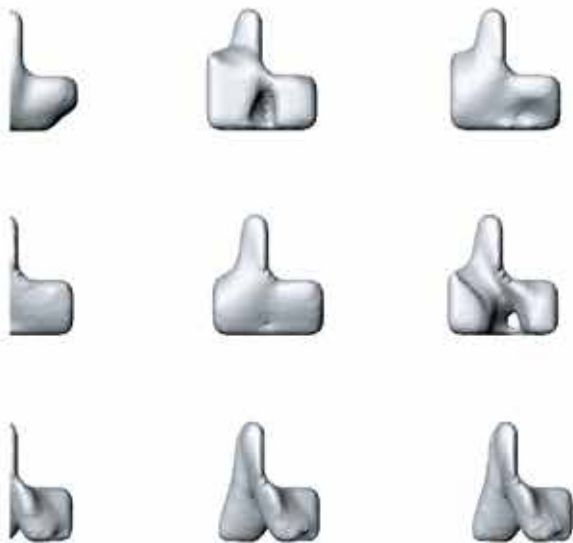
Concept: Creation of Housing catering to the Present Needs while creating a shadow catcher in the master plan..

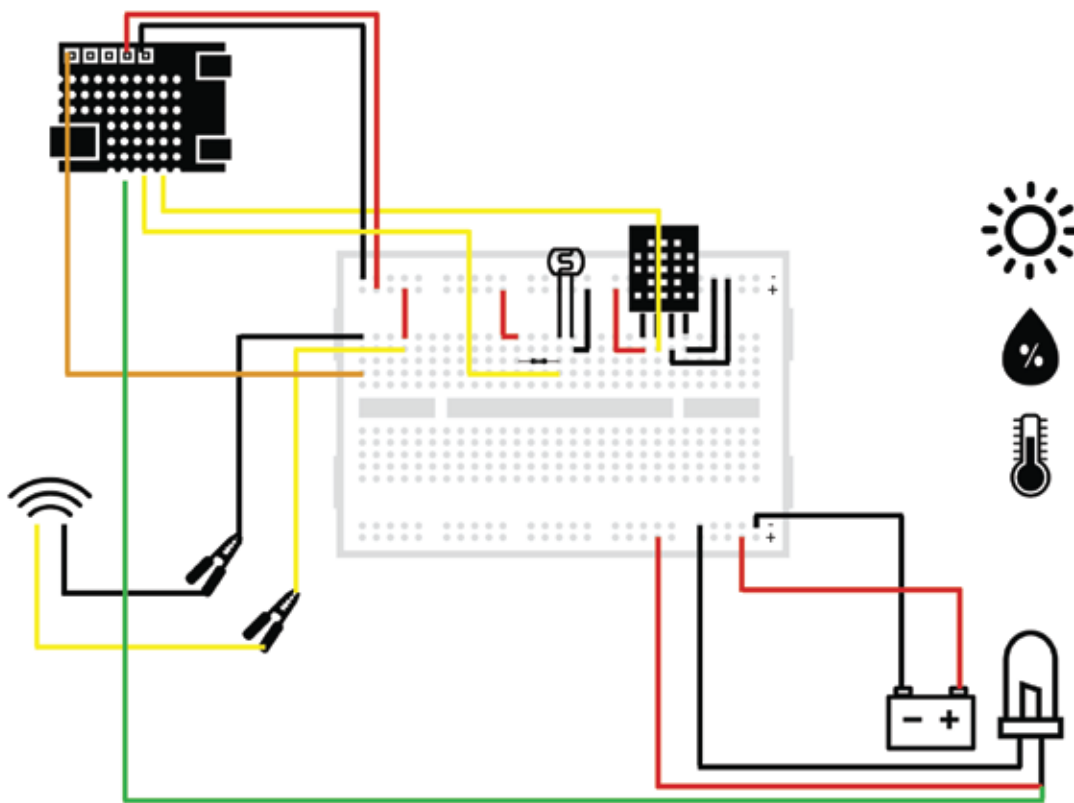




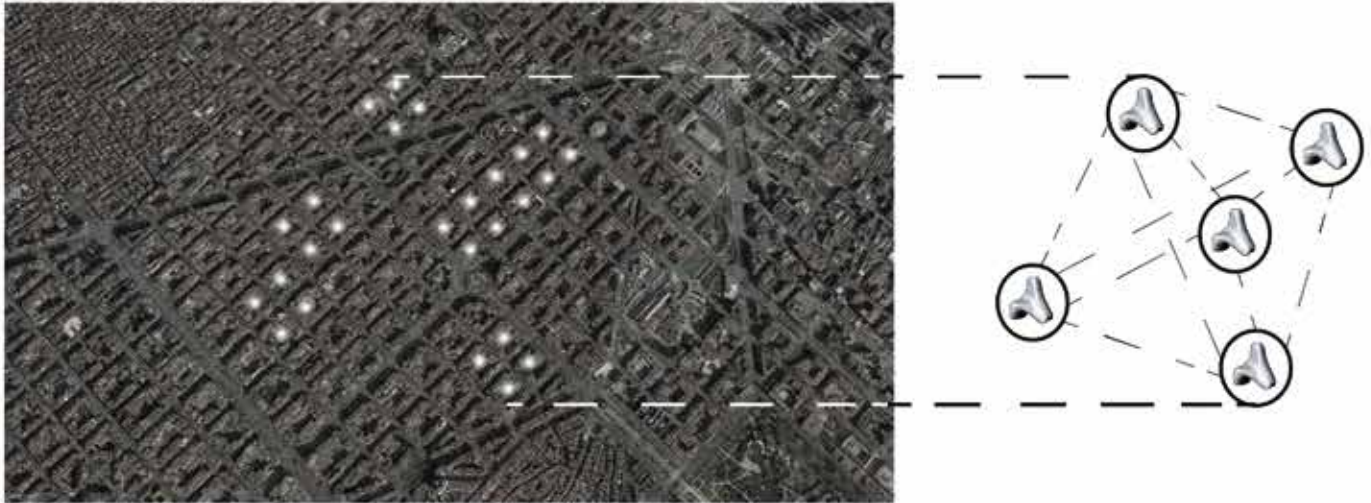








The interactive element of the chair was orchestrated through the use of an Arduino board which connects to a luxometer, pressure sensor, and temperature and humidity sensor which resulted in showing the temperature through its colours of the immediate context and also controlling the intensity of the light by programming it in relation to the amount of light it is detecting.



Superilla prospective expansion

- Decentralized network society : Connecting people, Superilla , Government and communities through a digital approach.
- Track how people interact in the digital world : time spent in several applications.
- Experiment with different configurations of the urban element : to better understand possible physical relations among users

Suraj Arora
Architecture | Post-Digitalism | Computation | Fabrication

ArchitectSurajArora@gmail.com
(+91)-9990907660