



# UNBUILT Ek Nirakaar Swapna



UDAIPUR ARCHITECTURE FESTIVAL 2020



**Submission Deadline:**  
10th Dec, 2020: 11:59 p.m.

**Submission via mail:**  
udaipurarchitects@gmail.com

Visit website for more info: <http://udaipurarchitecturefestival.in/>

**01**st year  
Udaipur  
Architecture  
Festival  
16th - 17th Dec, 2020



udaipurarchitects@gmail.com | @udaipurarchitecturefestival | asap academic foundation



### MOHAMMED IMRAN DASTAGIR

**ZONING & DESIGN DEVELOPMENT**

**Initial zoning**  
Different types of zoning

**Build-Usability Relationship**

**Final Zoning**  
Finding the balance on the relation between the present zoning and the proposed zoning

**SITE PROGRESS**

**SITE PLAN**  
The site plan is a combination of all the progress continued to be readily usable for various non-formal, non-institutional activities. These built spaces for a solution with the urban space used to a post-operative space before entering the new built space. The entire designed landscape to be restored from space to urban space along the site. Open space along the edge of the site plan used for various activities and also acts as a connecting corridor with the neighbourhood.

**Organic Farm**  
**Play spaces**  
**Security Garden**

SEATING SPACES AROUND WATER BODIES IN HEALING GARDEN

SEMI-HEALING GARDEN AFFECTING THE SENSE OF BELONGING, CREATING A FEELING FOR HEALING OF ADULTS

TRANSITIONAL GREEN BUFFER & WATER BODIES BETWEEN THE ACCOMMODATION UNITS FOR RESIDENTIAL ACTIVITIES ESTABLISHING THE RIGHT URBAN RELATIONSHIP

ORGANIC FARMING AS A PART OF THE WORKSHOP FOR ADULTS FOR INTERACTION WITH NATURE

ROOT PLAN

HEALTHY HEALING GARDEN AFFECTING THE SENSE OF BELONGING, CREATING A FEELING FOR HEALING OF ADULTS

ORGANIC FARMING AS A PART OF THE WORKSHOP FOR ADULTS FOR INTERACTION WITH NATURE

Lobby

Hall

Certificate

Q&A

Exhibition

Selfie

Logout

### RUJUTA MULEY

**ARCHITECTURE FOR ORGANIC FOOD SYSTEM IN URBAN CONTEXT.**

**HOW DO YOU FEED A CITY?**

It's one of the great questions of our time. But it's one that's rarely asked. Not often you think that every day for a city that produces miles, enough food to be produced, transported, bought and sold, cooked, eaten, disposed of, and that something similar has to happen every day for every city on earth. And in cities of six million like cities, more of that natural world is being transformed into usable land. And increasingly these landscapes are not just feeding us either.

**AIM:**

To create spaces for production of organic food in urban context in order to provide sustainable solution for the concerns and improve their affinity for food.

**RATIONALE:**

Considering the increasing demographics of the cities in India, by 2030 twice the number of people are going to be living in cities. And in order to feed such growing population, every year around 10 billion tonnes of carbohydrates are lost to create usable lands around the world.

Although at some time we are losing an equivalent amount of usability available to substitution and reuse. Although inventory so much in order to get fresh, healthy food, the food that is available in the urban markets is not fresh enough and substantially harmful chemicals.

Many of the communities we come are located in, what is called as "Food Deserts," which is an area that has no access to fresh, healthy food for cities. In such conditions it is required to have spaces to grow your own food and also facilitate the relationship between food and water as it is an urban.

**GROUND FLOOR PLAN**

**SEED LIBRARY AND PRODUCTION AREA**

**RESTAURANT WORKSHOP**

**MARKET AREA**

**WATER BODY**

**SEED LIBRARY AND PRODUCTION AREA**

RUJUTA MULEY | PINKY'S COLLEGE OF ARCHITECTURE, NEW PANVEL | BATCH 2019-2020

Taking a seed → Adding soil → Sowing a seed → Considering the weather → Crop of the seedling

● PRODUCTION  
● MARKET  
● SEED LIBRARY  
● WORKSHOPS  
● RESTAURANT



Lobby

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# AAKRUTI VAIDYA

## REDEVELOPMENT OF AN EQUESTRIAN ACADEMY

TOURNAI 2020

KEY BUILDING FEATURES: STABLES, INDOOR ARENA, DORMITORIES, PADDOCKS, OUTDOOR RIDING AREAS

**ZONING**

**STABLES**

**INDOOR ARENA**

**RIDERS DORMITORIES**

**NATURAL INSTINCT OF THE HORSES**

AAKRUTI VAIDYA

Lobby

Hall

Certificate

Q&A

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# GORAN OJHA

## Academy & Food-Yard for Urban Agriculture

situated in the rapidly developing city of Vasai, this project of farming into the existing traditional farming based city, theoretical teaching but also displays a one of a kind next to the college building which would provide for the as well as for itself.

aims at introducing the newer techniques The Academy not only provides for hydroponic farm attached right vegetables of nearby cities

Put simply, **Hydroponics is growing plants without soil.**

**Types of products grown-**

Veggie, Herb, Spin, Tomato, Strawberry

**Advantages**

**Year Round Crop Production-**

**Productivity-**

**Land Use-**

**Water Consumption-**

**No need for pesticides-**

**Programme Interaction**

**Form Development**

Academy Food-Yard Research

1.  externally visible food-yard  Attachment of Research Labs  connectivity  relation to area program  circulation

2.  externally visible food-yard  Loss of Context  poor circulation  multi-lane circulation  Research Lab Circulation

3.  externally visible food-yard  Research Circulation  poor circulation  relation to area program  multi-lane circulation

4.  externally visible food-yard  Free circulation  poor circulation  relation to area program  multi-lane road

5.  externally visible food-yard  Free circulation  poor circulation  relation to area program  multi-lane road

6.  externally visible food-yard  Free circulation

RAFT Hydroponics, Vertical Tower, Aeroponics, NFT

Lobby

Hall

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# RUJUTA MULEY

## ARCHITECTURE FOR ORGANIC FOOD SYSTEM IN URBAN CONTEXT.

### HOW DO YOU FEED A CITY?

It's one of the great questions of our time. Yet it's one that's rarely asked. But when you think that every day for a city that proliferates miles, enough food has to be produced, transported, bought and sold, cooked, eaten, disposed of, and that something similar has to happen every day for every city on earth.

And as more of us move into cities, more of that natural world is being transformed into arable land. And increasingly these landscapes are not just feeding us either.

#### AIM :

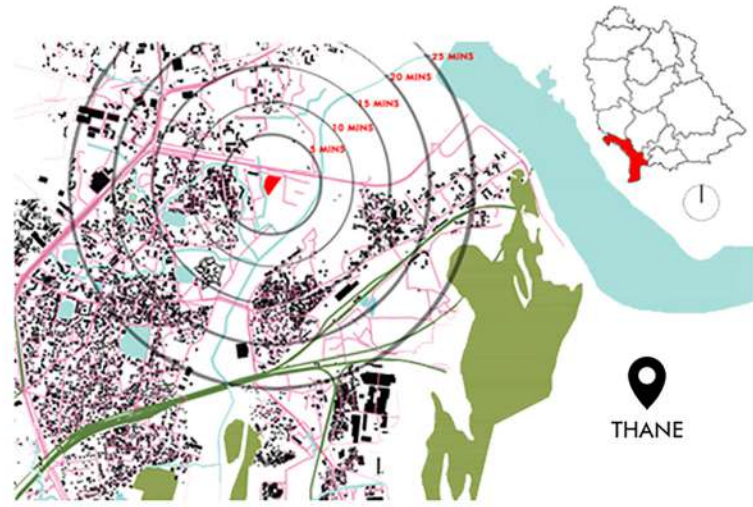
To create spaces for production of organic food in urban context in order to provide sustainable produce for the consumers and improve their affinity for food.

#### RATIONALE :

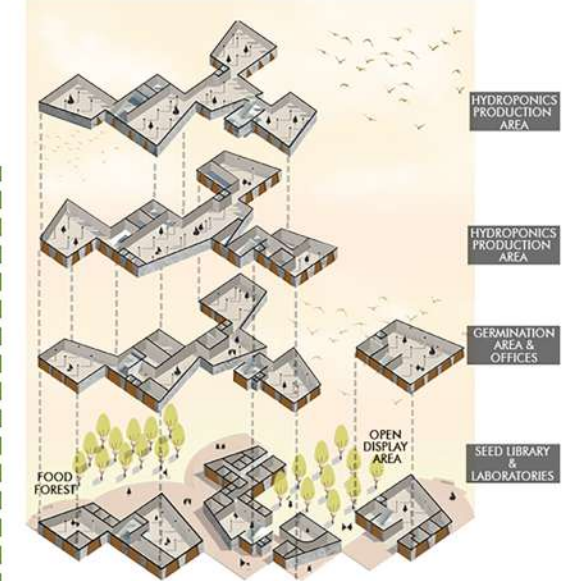
Considering the increasing demographics of the cities in India, by 2050 twice the number of people are going to be living in cities. And in order to feed such growing population, every year around 19 million hectares of rainforests are lost to create arable lands around the world.

Although at same time we are losing an equivalent amount of existing arable to salinization and erosion. Although investing so much in order to get fresh, healthy food, the food that is available in the urban markets is not fresh enough and laden with harmful chemicals.

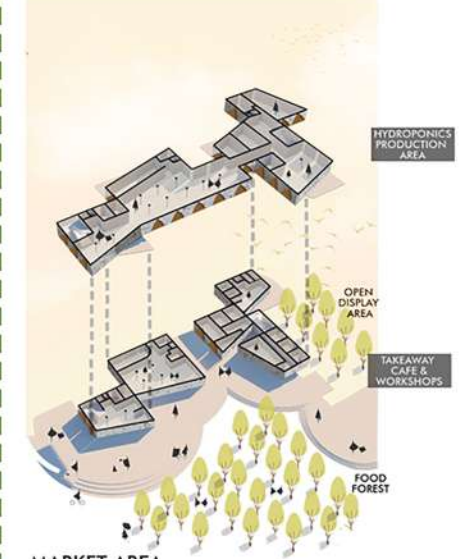
Many of the communities we serve are located in, what is called as 'Food Deserts'. Which is an area that has no access to fresh, healthy food for miles. In such conditions it is important to have spaces to grow your own food and also fossilize the relationship between food and man as it was earlier.



### SEED LIBRARY AND PRODUCTION AREA



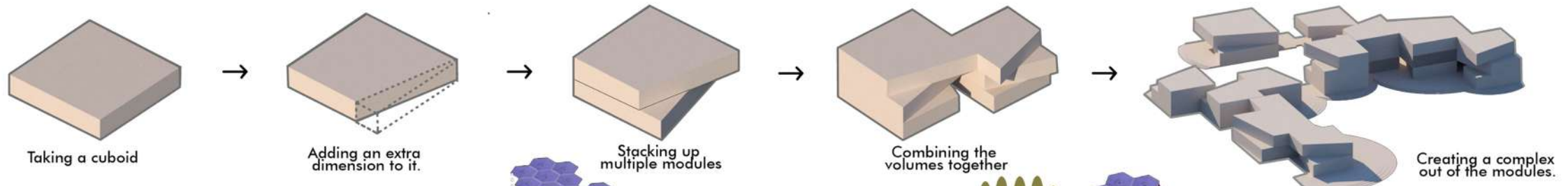
### RESTAURANT & WORKSHOP



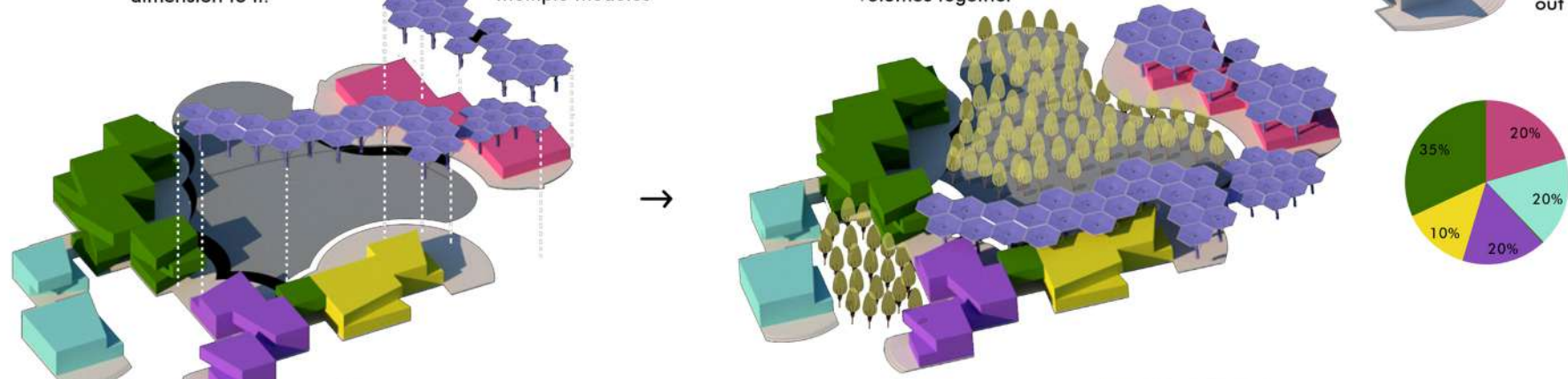
### MARKET AREA



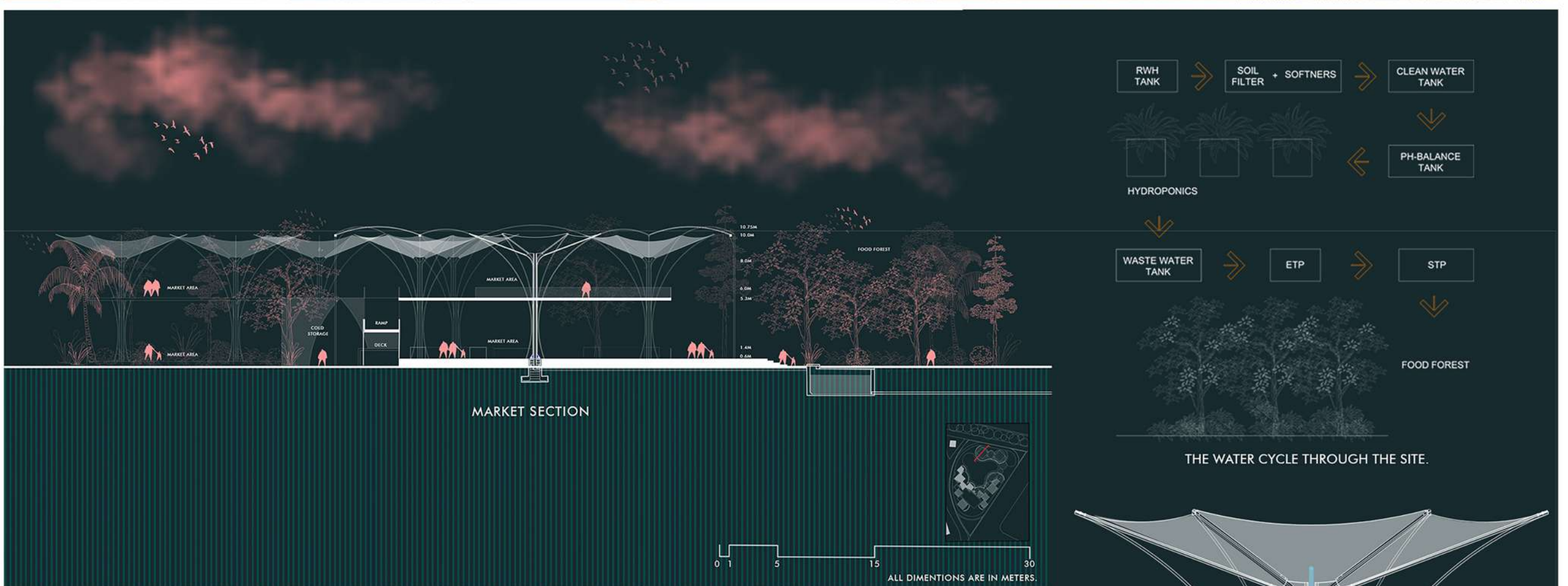
RUJUTA MULEY | PILLAI'S COLLEGE OF ARCHITECTURE, NEW PANVEL | BATCH: 2015-2020



- PRODUCTION
- MARKET
- SEED LIBRARY
- WORKSHOPS
- RESTAURANT



RUJUTA MULEY | PILLAI'S COLLEGE OF ARCHITECTURE, NEW PANVEL | BATCH: 2015-2020



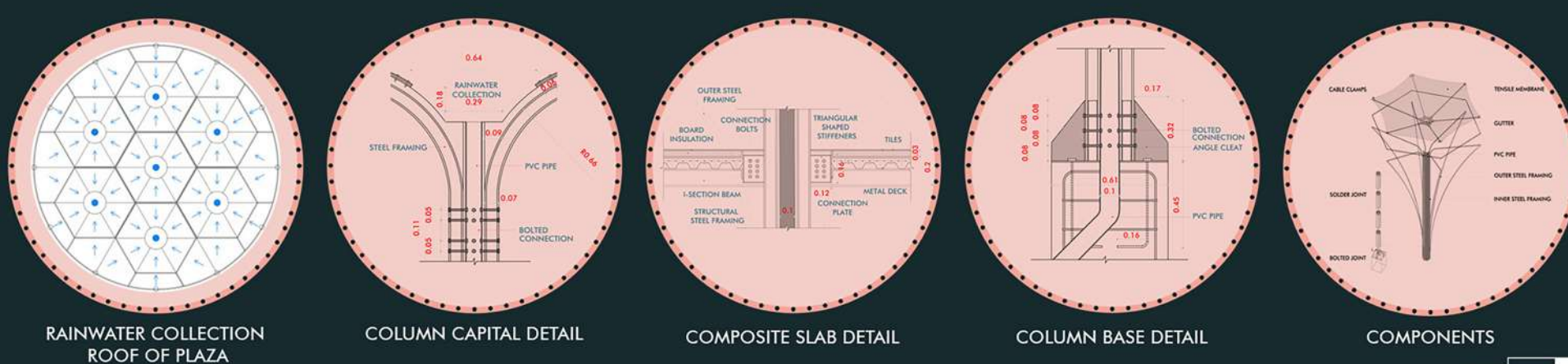
THE WATER CYCLE THROUGH THE SITE.

Integrating functions of rainwater harvesting with public space and recreation serve to work for public education and creating more life-through-function to the site at the same time as the open approach to the city support systems creates an awareness for process had result.

The roof of plaza is made up of hexagons, allowing water runoffs from different central collection points.

The water required for plantations would be rainwater from rainwater harvesting tank and the recycled waste water collected in the waste water tanks of hydroponics system.

Each hydroponics room will have clean water reservoir for supply of fresh water to the plants in the plants in that area.



SUSTAINABLE WATER SUPPLY SYSTEM

RUJUTA MULEY | PILLAI'S COLLEGE OF ARCHITECTURE, NEW PANVEL | BATCH: 2015-2020

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Put simply, Hydroponics is growing plants without soil.

### Types of products grown-

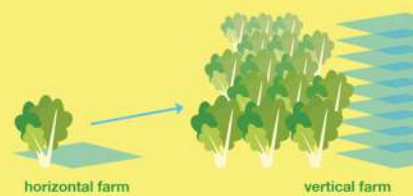


### Advantages

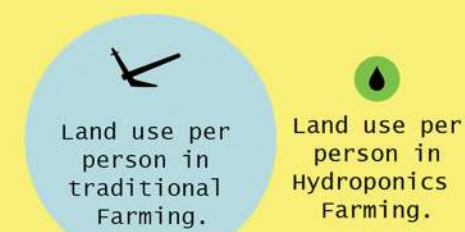
Year Round Crop Production-



Productivity-



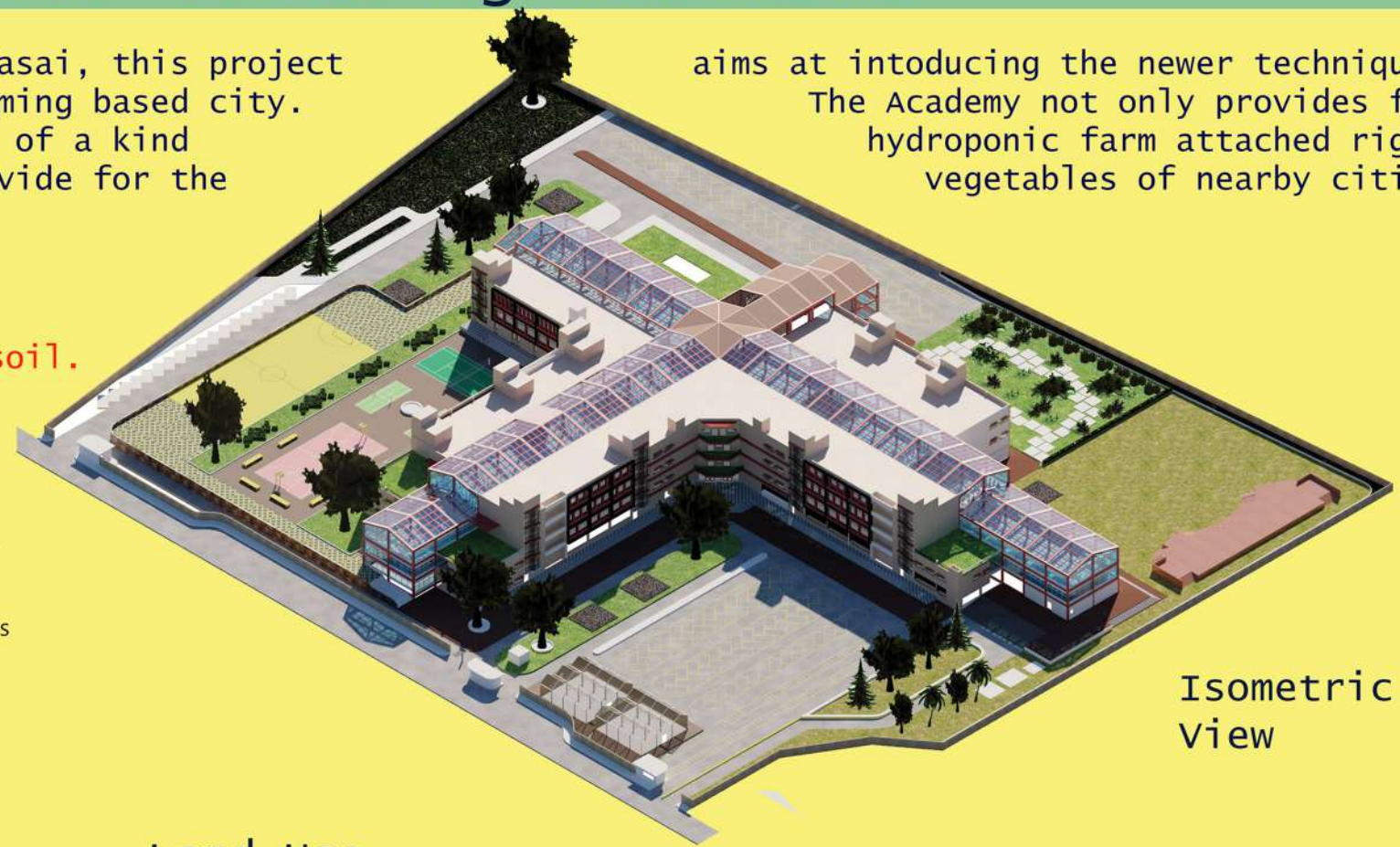
Land Use-



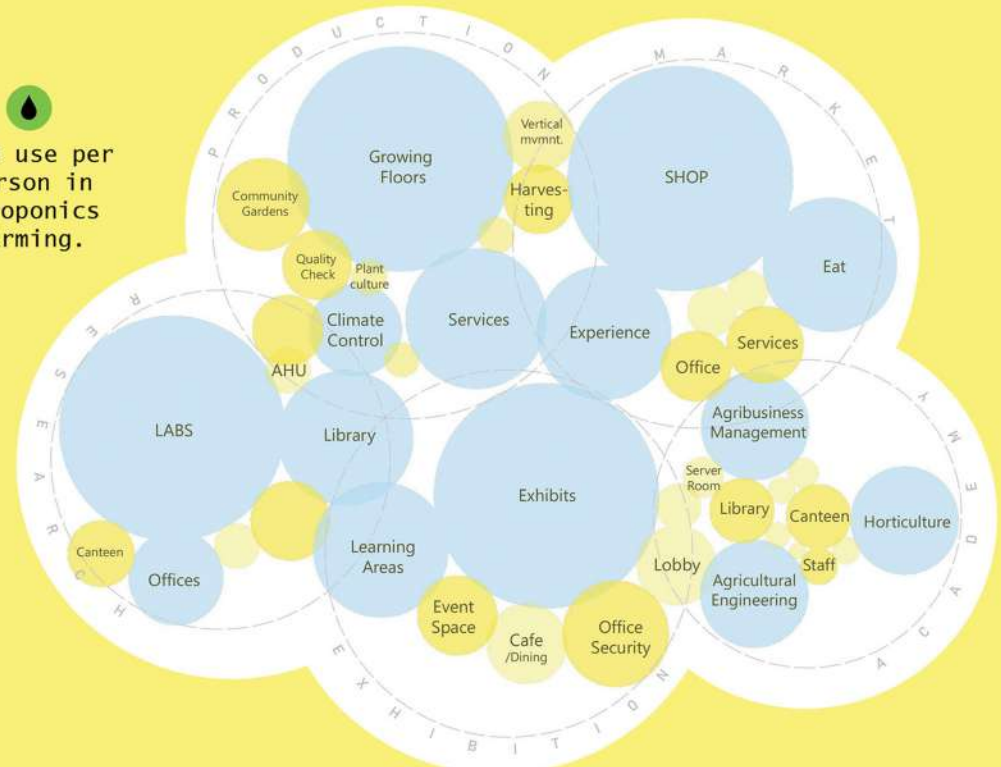
Water Consumption-



No need for pesticides-



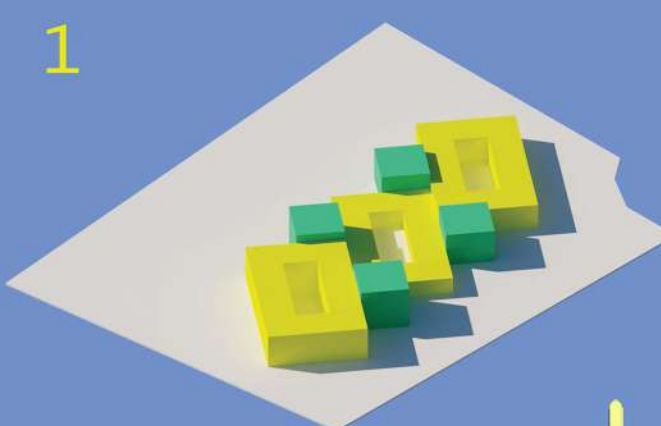
Isometric View



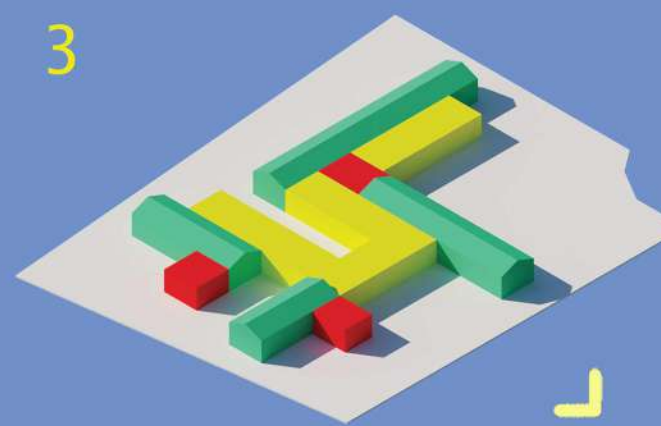
Programme Interaction

## Form Development

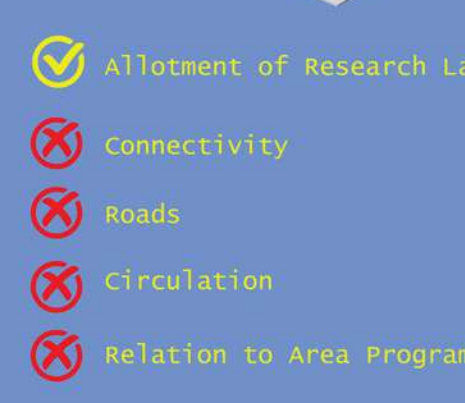
● Academy ● Food-Yard ● Research



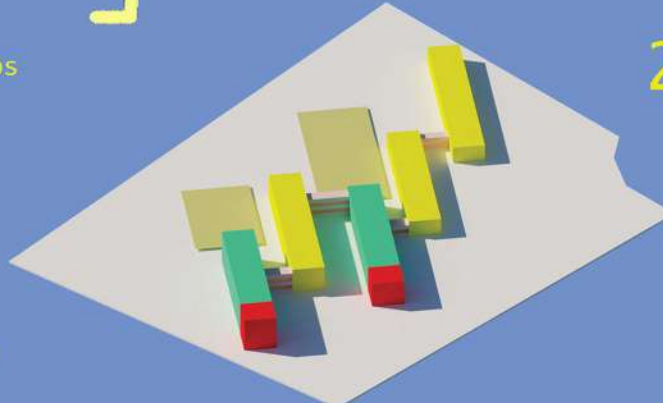
- ✓ Externally Visible Food-Yard
- ✗ Allotment of Research Labs
- ✗ connectivity
- ✗ Relation to Area Program
- ✗ Circulation



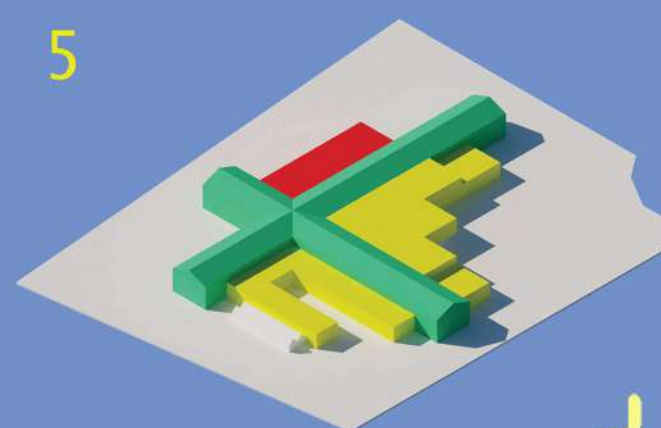
- ✓ Externally Visible Food-Yard
- ✗ Research Circulation
- ✗ Roads
- ✓ Relation to Area Program
- ✗ Hydro-Farm Circulation



- ✓ Allotment of Research Labs
- ✗ connectivity
- ✗ Roads
- ✗ Circulation
- ✗ Relation to Area Program



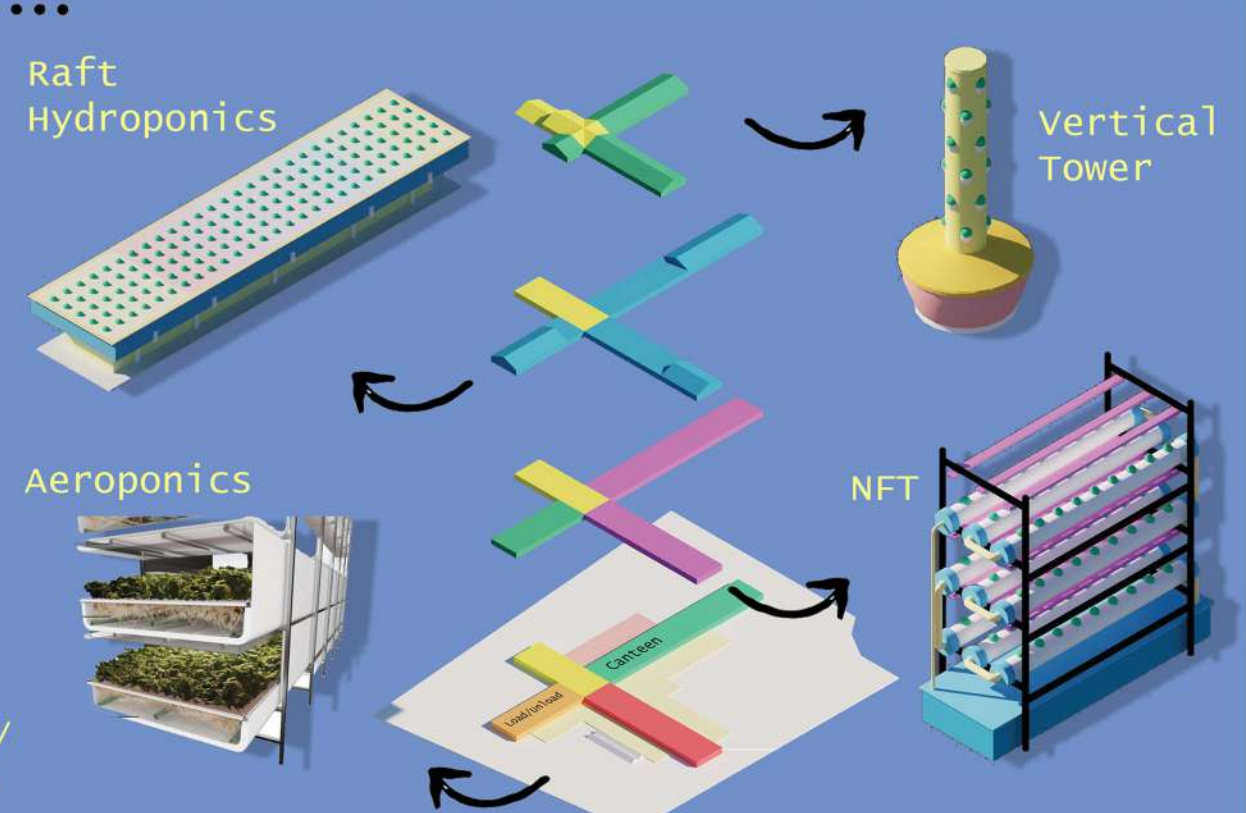
- ✓ Externally Visible Food-Yard
- ✗ Loss of Concept
- ✗ Roads
- ✗ Hydro-Farm Circulation
- ✓ Research Lab Circulation



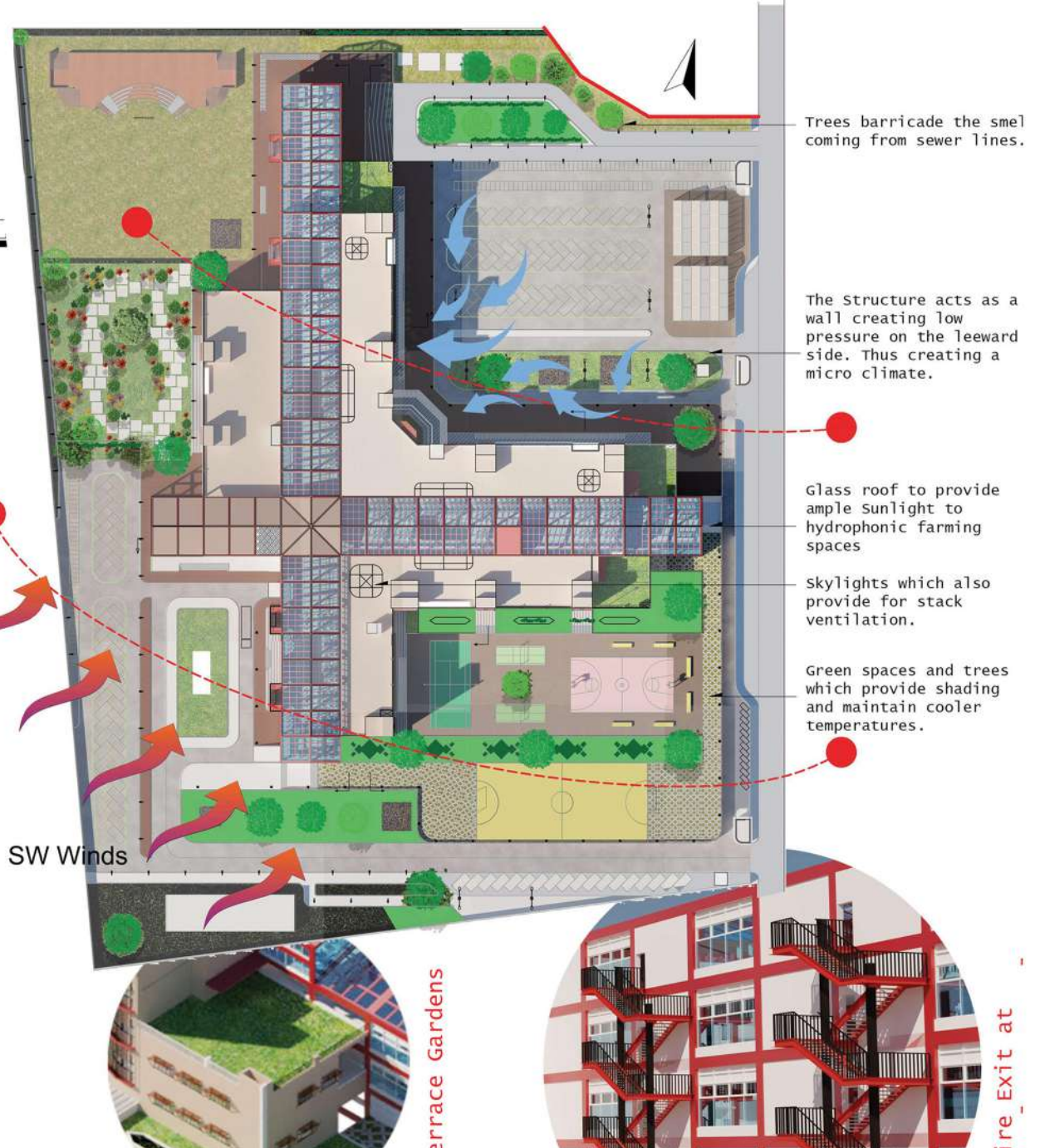
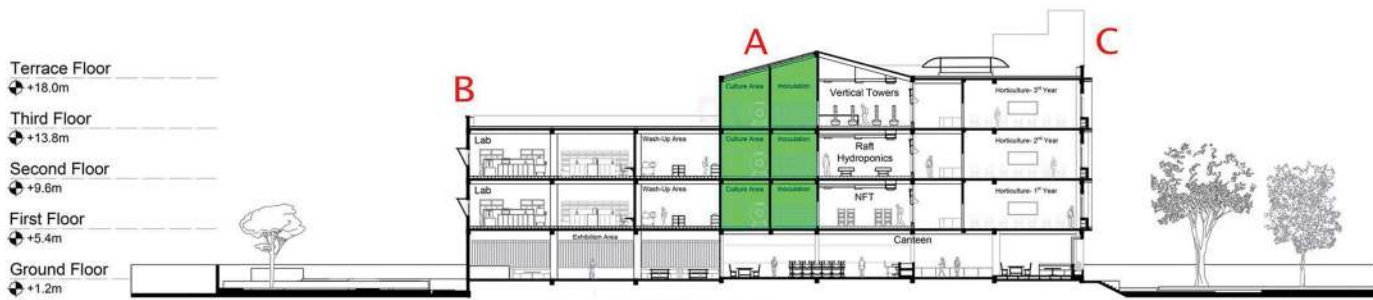
- ✓ Externally Visible Food-Yard
- ✓ Free Circulation
- ✓ Roads
- ✓ Relation to Area Program
- ✓ Terrace Gardens



- ✓ Externally Visible Food-Yard
- ✓ Free Circulation
- ✓ Roads
- ✓ Relation to Area Program
- ✗ More Area Used



## Design Features



Front Elevation

