

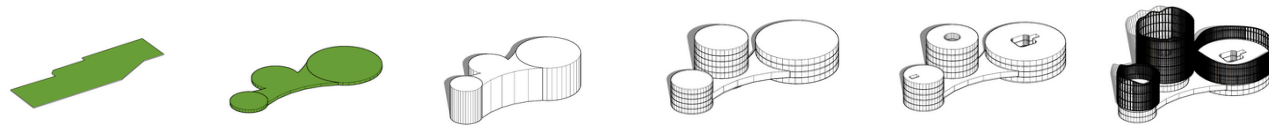
## STU CENTER

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## MASS COMPOSITION



SITE

The site area is  $\pm$  6531.12 m<sup>2</sup>. Site has an abstract shape. Buildings will be built 60% of the land area

CUT

The tapered part of the site is cutted so that the building becomes more symmetrical & dynamic

SHAPE

Building shape follows the site

FLOOR LEVELING

Being 3 parts with different height & functionst can be used as lectures, speeches, reports, and more.

VOID

Void in the living room for circulation & the main core of the building structure

SECONDARY SKIN

protected from the sun's heat & as a visual building

# L . T . S . C .

LONG TERM STU CENTER

PLACE TO SURVIVE PANDEMIC

INFILL | SUSTAINABLE | COMMERCIAL SPACE | CONTEMPORARY

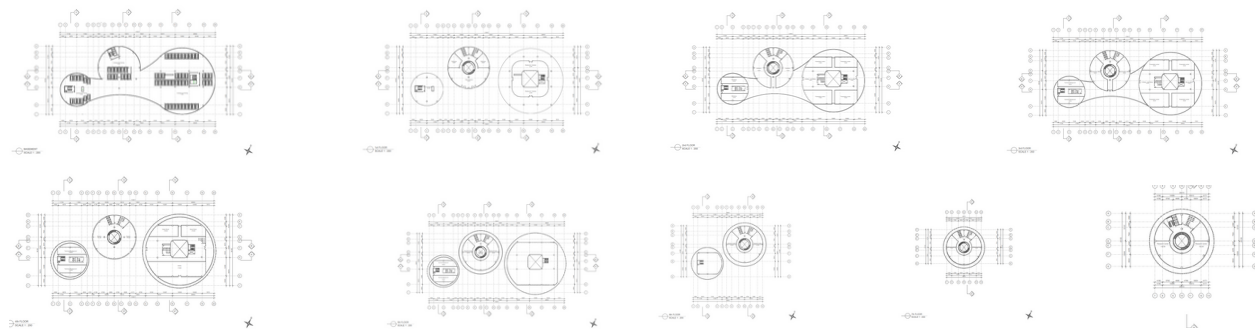
Accommodate professionally collaboration between academics & facilitate public presence as a campus center with a modern concept but still adapting to the surrounding environment

Using an infill Building (associative approach) with contemporer style that has adapted to nowadays style.

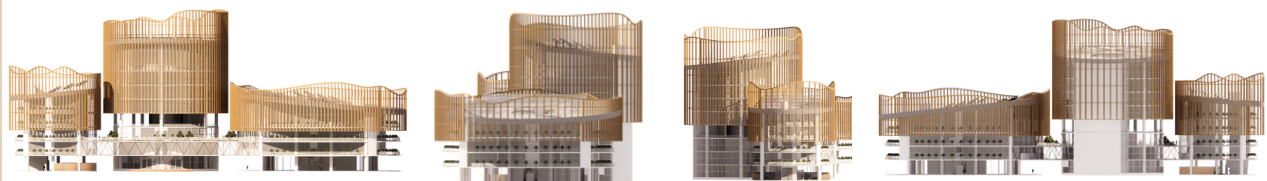
Theme : Commercial Space with a sustainable approach. The building becomes the main center that is useful to facilitate the surrounding urban space area. Give a Positive Impact by paying attention to the sustainable design of the building.

Concept : contemporary in pandemic with the associative approach. Adapting to the pandemic covid -19 which represented through building design.

## FLOOR PLAN



## ELEVATION

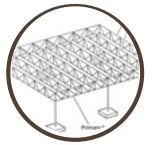
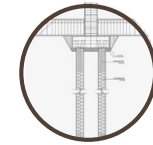
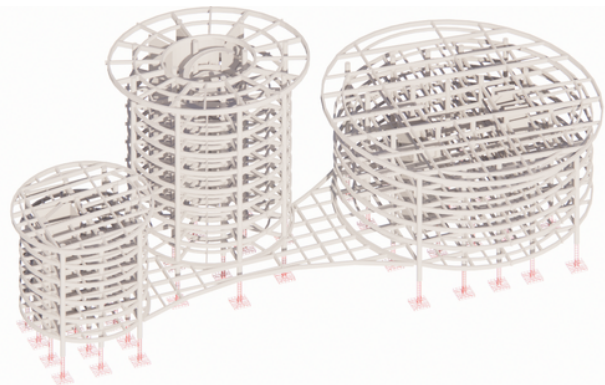
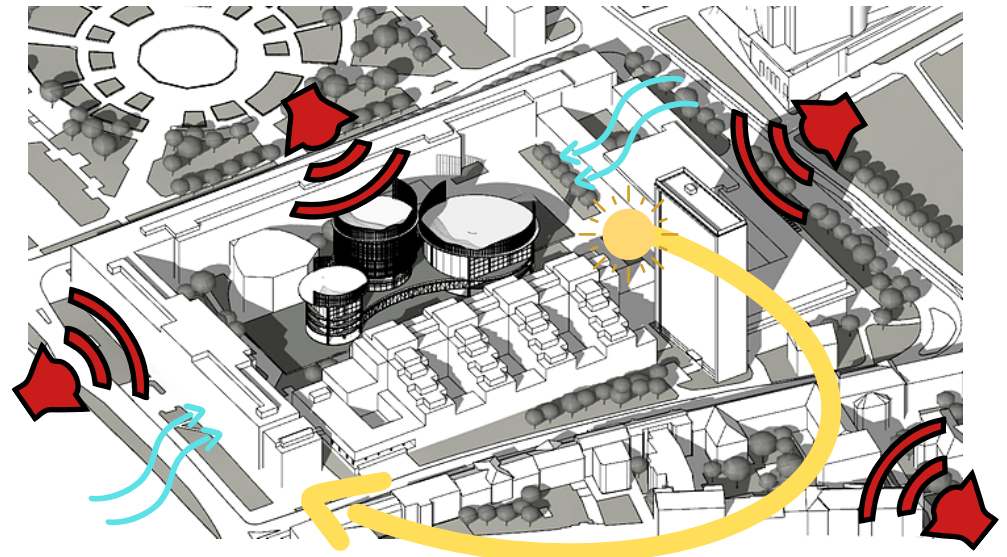
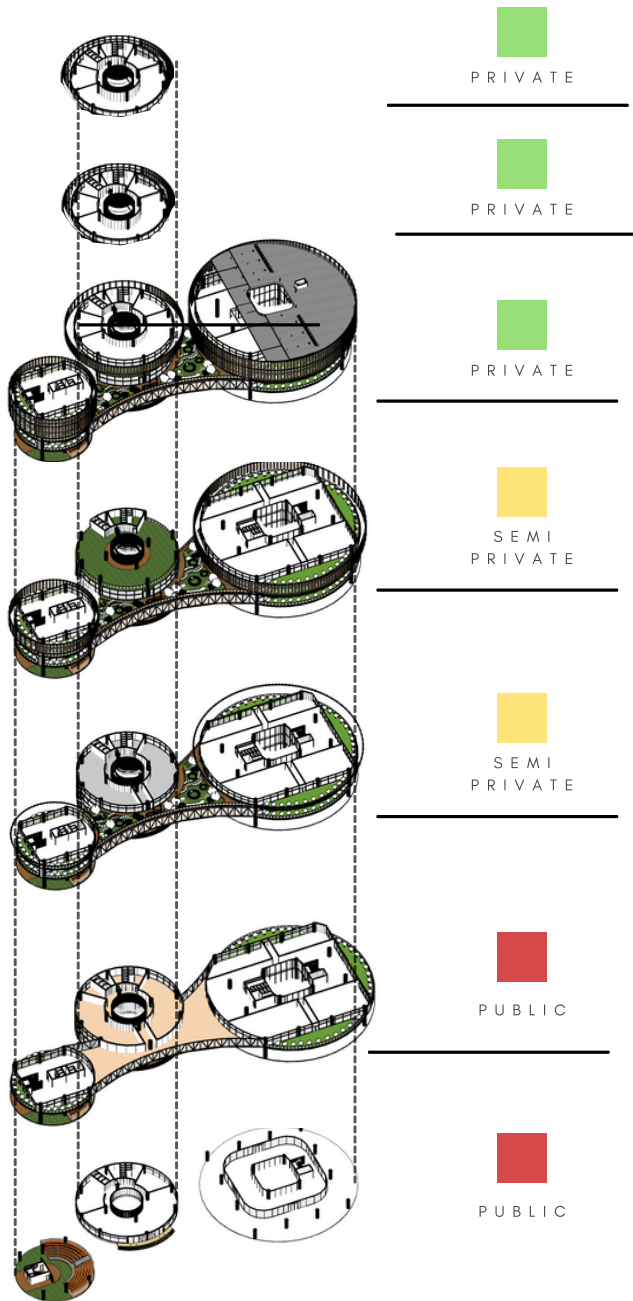


SOUTH ELEVATION

WEST ELEVATION

EAST ELEVATION

NORTH ELEVATION



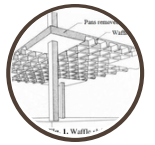
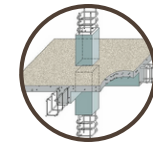
BORED PILE FOUNDATION

CREMONA STRUCTURE



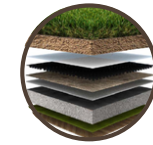
BEAM

CORE



FLOOR PLATE

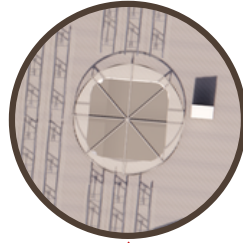
WAFFLE SLAB



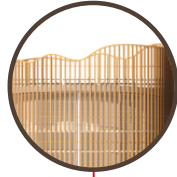
ROOF GARDEN

- USING CORE AS THE MAIN STRUCTURE OF THE BUILDING
- COLUMNS & BEAM LOCKING EACH OTHER
- VERTICAL STRUCTURE: DIAMETER COLUM 75 CM, BEAM 40 X 80 CM

Renewable energy generation (Solar Panel)



used wood use as secondary skin & dynamic formation



Low-E Glass



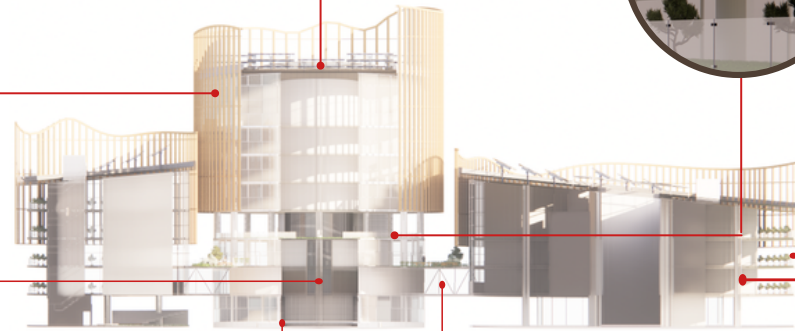
open space, low maintenance materials, greenery



Natural Light Through Void & making sculptures from recycled materials



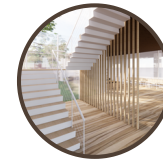
airflow in the room : separate doors to enter and leave the room & Screening stations



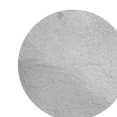
building near a bus stop, installing bicycle lockers



Adding stairs



# L . T . S . C .



## Sustainability

Provide a positive impact for the surrounding area that raises green design as a major factor in building design

## Architecture of Pandemics

Building design adapts to the pandemic covid-19 period. reviewed from room patterns, human & air circulation & adaptability over a long period

## Contemporary

Design Adapt current trends and approaches to the surrounding area.

# L . T . S . C .

04

## Green Dynamic

Green Concept in the building interior is represented through open space access on each floor.



ENTRANCE AREA



CAFE



RECTOR OFFICE



LIBRARY

**A** AMPHITHEATER  
394 M<sup>2</sup>

**C** TECHNICAL BACKGROUND  
413,75 M<sup>2</sup>

**E** RESEARCH CENTER  
1250,74 M<sup>2</sup>

**G** MAIN ENTRANCE  
404 M<sup>2</sup>

**I** CANTEEN, CAFE  
500 M<sup>2</sup>

**K** LIBRARY  
390 M<sup>2</sup>

**B** WORKSHOP  
360 M<sup>2</sup>

**D** RELAX AREA  
428,97 M<sup>2</sup>

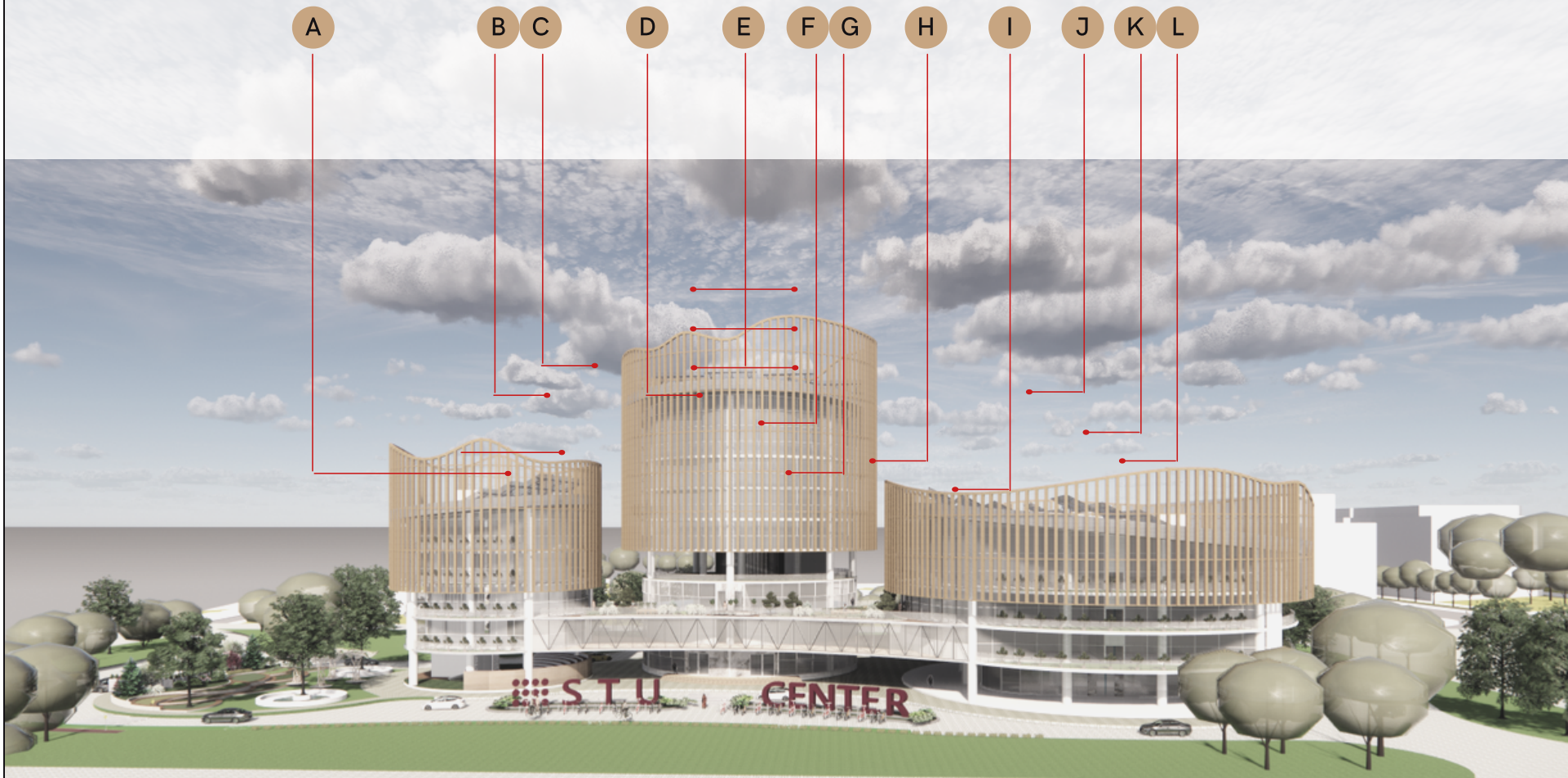
**F** ADMINISTRATIVE OFFICE  
398,73 M<sup>2</sup>

**H** EXHIBITION & MULTIPURPOSE  
646,88 M<sup>2</sup>

**J** PRESENTATION CENTER  
493,05 M<sup>2</sup>

**L** STUDY ROOM  
227,76 M<sup>2</sup>

**A B C D E F G H I J K L**



AXONOMETRY OF THE AREA

L . T . S . C .



PERSPECTIVE

# L . T . S . C .

06



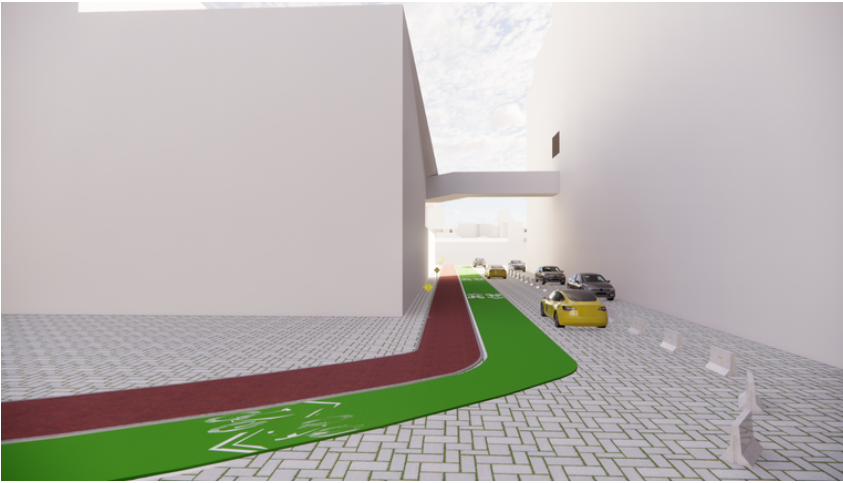
S T U C E N T E R

PERSPECTIVE

# L . T . S . C .

07

S T U C E N T E R



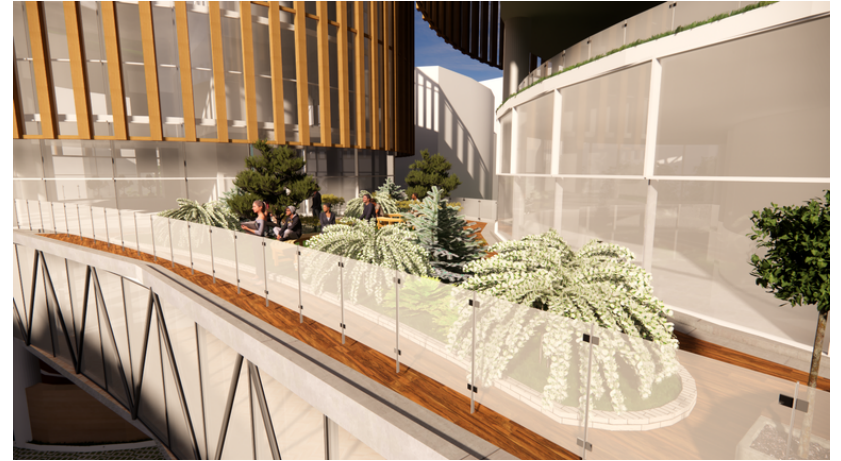
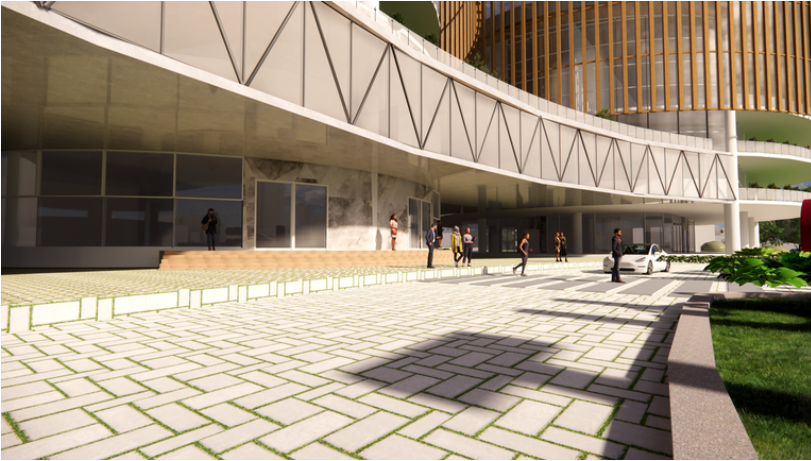
PERSPECTIVE

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# L . T . S . C .

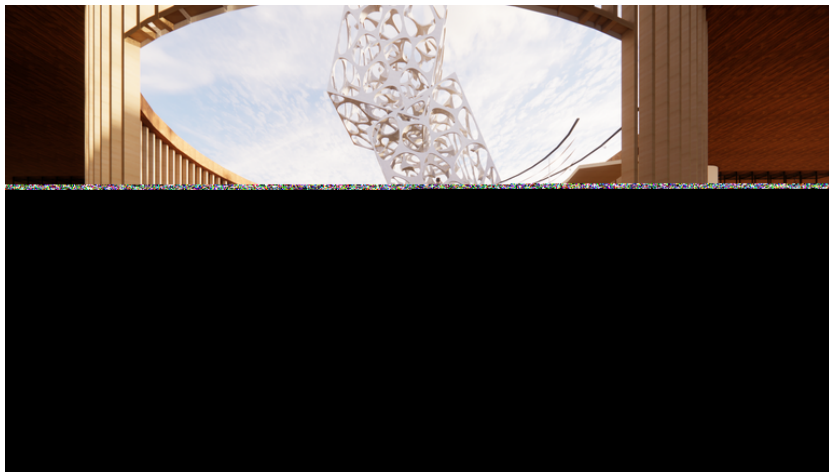
08

S T U C E N T E R



PERSPECTIVE-INTERIOR

L . T . S . C .



PERSPECTIVE-INTERIOR

L . T . S . C .

