5. ARCHITECTURAL THEORY

5.1. Design Accentuation

HARMONY OF COLOR, FORM, AND SPACE

5.1.1. Explanation

COLOR

“In reality we work with few colors. Which gives the illusion of their number is being put in its rightful place.” Pablo Picasso

It is essential to use color to stimulate the spatial and visual perception. Color has become fundamental aspect to the intervention.

SPACE

Through the volume of space, we move, see forms, hear sounds, and feel breezes. Its visual form, dimension, scale, and light quality depend on our perception of the spatial boundaries defined. As space begins to be enclosed, molded, and organized by the elements of mass.
FORM

Form is an inclusive term that has several meanings. It may refer to an external appearance. Form refers to certain condition in which something acts itself. In art we usually use the requirement to show project structure. Form suggests reference to both internal structure and external outline.

5.1.2. Precedent Study

Googleplex – California, United States

Architect: Clive Wilkinson

Googleplex used by Google Corporate, and located in California, United States. It is come from a design competition which is the winner of the competition succeeded to create diversified campus environment. The project is emphasized on software engineering work space, supported by collaboration and recreation system with food supply facility.

Figure 58. Googleplex Exterior
(Personal Documentation)
The main goal was to merge the idea of workplace with the experience of educational environment into a brand new idea of working space. The reason is the idea that within the university system, there are several resources available to allow the member to investigate and execute the impossible way. That is how Google corporate conceived.

Figure 59. Googleplex Interior
(Personal Documentation)
5.1.3. Possibility of Design Implementation

- Integration between room and room
- Colorful interior design
- Dynamic building mass
- Unique form of room according to function
- Environmental design response
Space can be created when color and form define it simultaneously. Through the volume of space, we move, see forms, hear sounds, and feel breezes. Its visual form, dimension, scale, and light quality depend on our perception of the spatial boundaries defined. As space begins to be enclosed, molded, and organized by the elements of mass.

Our visual field normally consists of heterogeneous elements that differ in form, size, color, and orientation. To get better visual appearance, we tend to organize the elements to two opposing groups: positive element consists of figures and negative element consists of backgrounds.
About the mass shape, basic shape of triangle, rectangle, and circle will joined together to get the whole mass. The combination will produce unique spatial experience which can contribute children to learn about basic shape. Uncommon space will help children to get three-dimensional mindset, so it can improve their creativity.

5.2. Core Issues

ESTABLISHING A CLOSE RELATIONSHIP BETWEEN A NEWLY CREATED OBJECT AND ENVIRONMENT

5.2.1. Explanation

“Every piece of work of mine has a courtyard. In China the garden and the houses are mixed together. It is the important space in the old house. It is this inside/outside place where families get together and sit around plants – and it means paradise.” Wang Shu.
In Taoism, everything is divided to two different opposite forces known as Yin and Yang. These forces are in stable strive in every aspects. If harmony reached, life energy is created. Anyone understand this term will not exploit nature, and they will treat it well.

Figure 61. Taoism Symbol

5.2.2. Precedent Study

Garden School can be seen as a learning in landscape as much as it can be. The architect want to create school to support students to learn in nature. Building masses placed between two gardens, farm on the building roof and park on the ground. The façade form a enclosure like a traditional Chinese garden. The garden spread into several area, which is support students’ learning needs to get their hands dirty. The garden also represent the memory of the countryside according to its urban development.
Figure 62. Garden School (1) (designboom.com)
5.2.3. Possibility of Design Implementation

- Well accommodated facilities for students
- Huge area of outdoor space
- Creative room arrangement
- Vegetation on the roof
- Provide healthier environment
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APPENDIX