



Analysis of Green Space Design of Shanghai Academy of Fine Arts Based on Concept of Suitable Space and SWOT

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Abstract. Based on the concept of suitable space, this paper combines the development need of new era university campus environment with the reality of the academy, to analyze the planning the shared space at the west entrance. With evaluating the analysis results according to the SWOT method, the design concept is appropriate and effective.

Keywords: concept of suitable space · SWOT method · Green Space

1 Introduction

The original site of Wusong Campus of Shanghai Academy of Fine Arts of Shanghai University is Wusong Industrial Zone, which has made great contributions to the development of heavy industry in Shanghai and the country in history. However, with the change of The Times and the continuous optimization of the industrial structure, in the stainless steel plot of Wusong Industrial Zone, the huge steel structure plant will be transformed into an Open University Campus, namely the Shanghai Academy of Fine Arts. This paper for the completion of the college west square function requirements and the open design, the development of domestic and foreign university space and suitability space concept with the characteristics of college campus suitability space design concept, strive to build the campus green space to satisfy the school normal work, and can bring to the society with artistic attribute of educational significance of fitness building sharing space.

2 Shanghai Academy of Fine Arts Wusong Campus West Side Square Introduction

In this paper, the west building entrance of the Wusong campus of Wusong Academy of Fine Arts is selected as the main research object. The west side includes the International Education and Shanghai Art Center, which can provide communication space for teachers and students, educational assistance space and working space for artists. In addition, the art market on the first floor of the factory can be provided as a venue for

artists to display and sell their works, along with a commercial area for teachers and students and tourists to entertainment and leisure places. The west side of the big square directly through the subway, convenient transportation, is an excellent foreign exchange center.

Campus green space as a unique artistic temperament of citizens recreation venues, according to data research, the current domestic research on campus green space mostly stay in the green space itself planning, design and layout, and the study of resource sharing mostly stay in university information technology resources and sports resources sharing, for how to realize college green space resources sharing and to realize college green space and urban green space complementary and mutually beneficial related research is very rare [1].

Therefore, this paper will focus on how to build the shared space into a suitable building that satisfies the normal teaching work and brings artistic attribute and educational significance to the society, it is of great significance to assume the responsibility of urban green space and serve the role of educating students [2].

3 The Development Process of University Campus Space at Home and Abroad

From ancient times to the present, the university campus space has generally evolved from a rigorous design similar to the closed axis layout to a modern open or semi-open free space structure.

Worldwide, in the third and fourth centuries BC, Syria opened the world's earliest universities: Ebra University, which shifted from religious to diversified teaching content, and from monastic closures to open, technological, larger and more diverse environments.

Ancient Chinese institutions were divided into two kinds: official learning and private learning. Private learning is mainly in the form of academies, which is enclosed by walls. The typical Chinese axis-symmetrical courtyard layout and wooden structure and large roof are full of feudal thought and feudal etiquette system. It was not until the 1980s that a number of new comprehensive universities were built. These universities were characterized by an open campus environment, and their campus layout was more reasonable, thus gradually transforming from a closed environment into a more open and flexible campus environment.

4 Application of the Concept of Suitability Space in Campus Design

University campus space has gradually evolved into an open and diversified nature. Campus green space is also an important part of it. What the other campus space does not have is that the campus green space still has the public value as a shared space. The common life experience in a shared space creates a unique social bond for the people in it, and the similar experiences arising from living in the same scene will become an important connection point for people to maintain mutual emotional and social relationships. Therefore, as a shared space, the campus green space not only effectively uses the

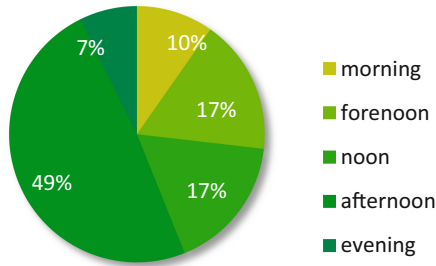


Fig. 1. Whether the respondents can/go to the university campus (self-made)

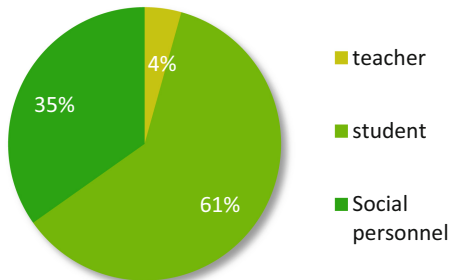


Fig. 2. Identity of the respondent (self-made)

space resources, but also creates the community value and interpersonal relationship for the people who use the space together. [3].

Based on the above views, the flexible, rich functions and suitable space that can be combined with artistic aesthetic feeling in the design have become one of the appropriate choices for the campus green space of the School of Design and Fine Arts. [4].

5 Research of Wusong Campus of Shanghai Academy of Fine Arts Based on SWOT Method

5.1 Research Content and Results

From the perspective of campus open green space and users, this survey investigates the possibility of its open use, so as to fully understand the needs of users for campus green space, and provide a basis for the construction of university campus green space open system [5].

About 65% of the respondents were on campus, and 35% were social. Among them, the vast majority of people have visited/prepared to visit university campuses (Figs. 1 and 2).

Nearly half of the people surveyed chose to visit the campus in the afternoon, as many as in the morning as at noon, or about a third of the rest, which is also close to the number of people who chose to visit the campus in the morning and evening. The

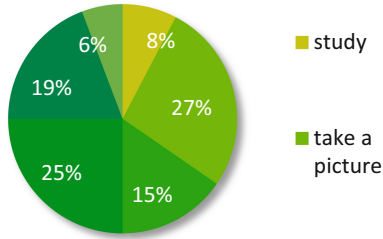


Fig. 3. Purpose of the respondents entering the campus green space (self-made)

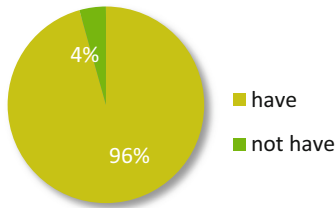


Fig. 4. Population expectation of suitability space (self-made)

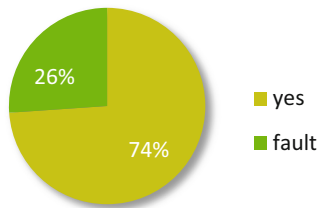


Fig. 5. Benefits of building suitability space (self-made)

purpose of the surveyed coming to the campus green space is complex. The most people taking photos, accounting for about 25% of the total number, the second number is the people participating in activities and exercise, and the total number accounts for less than 20% each. The remaining small number of people visit to study or participate in other activities (Figs. 3 and 4).

Figures 3, 4 and 5 Time period (self-made)

The vast majority of the participants believe that it is good to build a suitable space on the campus green space. Nearly half of the people need for suitability space is to provide multi-functional activity space, nearly a quarter think that suitability space is more suitable for use as interactive space, and nearly a fifth think that interactive space can be convenient for the planning of the surrounding environment (Figs. 4 and 5).

Among the surveyed population, more than 70% believe that the construction level of campus green space is better than that of social green space. If the campus green space needs to be charged, nearly 40% of the people will still be willing to visit it (Figs. 5, 6, and 7).

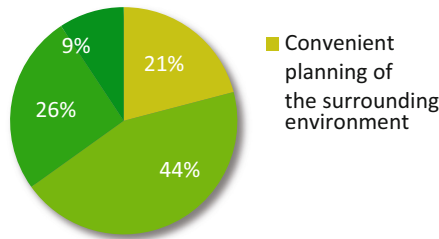


Fig. 6. Do people think that the construction level of campus green space is better (self-made)

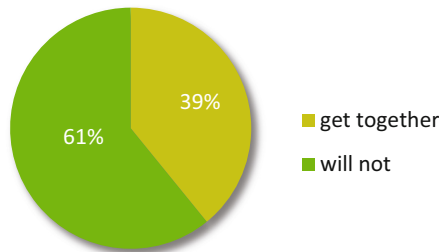


Fig. 7. Whether the personnel will visit the charging campus green space (self-made)

5.2 Analysis of the Research Results Based on the SWOT Method

5.2.1 Overview and Characteristics of the SWOT Method

In this rule, S represents advantage, W represents disadvantage, O represents opportunity, and T represents threat. By analyzing and studying the SWOT matrix, the corresponding combat action plan can be obtained by using the advantage factors, overcoming the disadvantage factors, using the opportunity factors and solving the threat factors, and using the comprehensive analysis method of systematic analysis. The SWOT analysis method has many advantages. Its operation is simple, intuitive data, clear, easy to check, consider all aspects of the problem. Similarly, the analysis method also has some disadvantages, such as, like other strategic models, it has the limitations of The Times, which cannot take into account the initiative to change the status quo, and thus cannot be flexibly applied to the strategic objectives [6].

In the standard. Therefore, in the data analysis, it is necessary to understand the events more comprehensively, accurately and objectively, and to minimize the defects and deficiencies of the SWOT analysis method.

By using SWOT analysis method of campus green space can fit building space open sharing analysis, can help college campus green space system comprehensive analysis of the advantages and disadvantages and opportunities and threats, thus making in the campus green space strategic management can accurate self positioning, the greatest possibility to use its green space resources, avoid danger, targeted with Shanghai academy of fine arts Wusong campus itself conditions match the best strategy of the environment of the outside.

5.2.2 Analysis of the Advantages of Open Building Space (S)

- (1) Campus green space construction suitability shared space to promote outdoor communication between teachers and students, and stimulate the artistic inspiration of teachers and students through the natural environment. Research shows that physical space can almost always have an impact on people's lives from both a psychological and physiological perspective. In addition, plants have a certain psychological function for human beings, which can make people relax and enter a state of calm enjoyment. Green makes people feel comfortable and regulates the human body's nervous system. The campus green space can attract more teachers and students to visit and use it. Through the openness of the space, the open communication between various departments and departments in the campus increases, promoting the teachers and students of different colleges and different majors to teach or communicate. Teachers and students seek the artistic edification of natural beauty in the green space teaching. Through direct contact with nature, they can achieve the teaching method of combining art with nature, calm their hearts, and stimulate students' creative inspiration.
- (2) Campus green space resources are rich, campus cultural spirit is profound, the construction of suitable shared space to make the resources can be better used. Urban green space is an important place for people to get close to nature and relieve the pressure. Campus green space is one of the important components of urban green space. It is also a green space landscape full of ecological benefits and cultural deposits, which has attracted more and more attention from the society.³With the continuous development of the society, the phenomenon that the public open green space is less than the total planned area is constantly emerging, and the green space resources are becoming more and more precious. Campus large green space after open sharing can improve its social value, for example, can be used as citizens open sharing fitness entertainment space, or as a "flash" or short-term exhibition activities for foreign investment loan, make the school awareness, get more public understanding and support, improve school brand value, and for society, improve the campus land utilization, reduce the waste of resources, alleviate urban land tension, promote the concept of sustainable development.

5.3 Analysis of the Advantages of Campus Green Space (W)

- (1) Ability of campus green space construction the number of building space accommois limited, and it is prone to congestion and dense crowds after sharing. When the campus is open to social personnel, it will be possible that students and social personnel cannot make good use of the public shared space, make the activity space of teachers and students is limited to some extent, reduce the comfort brought by the use of green space environment, and interfere with the normal outdoor class time between teachers and students. Therefore, the campus green space needs to make certain management measures for the number of students, such as limiting the number of off-campus personnel and stagger the time required for teachers and students to use suitable building space for outdoor learning. The campus opening should be open to social personnel in an orderly manner on the premise of ensuring the classroom situation of teachers and students.

- (2) Ability of campus green space construction Building space requires more maintenance costs and maintenance measures, which require more energy. With the opening of the campus green space, schools need to develop more specific maintenance measures about equipment, places, need to set related professional is responsible for the management of the school green space, green space can fit building space on the necessary daily maintenance work, do the safety hazard can be found in time, timely deal with the occurrence of the accident. After the campus is opened, a large number of social personnel will use public facilities and equipment, which will inevitably be overuse or damaged. The school needs to make corresponding maintenance means and spend more maintenance funds to manage these equipment, which also brings certain pressure to the campus. Campus green space health situation is also one of the inevitable concerns, after ensuring the influx of people can make the campus clean to maintain the original order, the school must pay more manpower and material resources to maintain a beautiful environment, to open campus further brought more trouble and trouble, so the construction of campus green space needs from various angles to make the plan to maximize social interests.

6 Conclusion

It is appropriate and effective to design the campus green space of Wusong Campus of Shanghai University based on the concept of suitability. Based on the SWOT analysis method, it is concluded that the advantage of designing this campus green space based on the concept of suitability is that universities can open and share the green space resources to the society while ensuring the safety of the campus, so that the society and the campus can be more connected and develop together. The disadvantage is that there are many problems in the opening and sharing of campus green space, which will bring more adverse effects to the campus. The opportunity is that the sharing of the campus green space may bring more social value to the campus, so that the school can develop better. Threat is that the blind development of public shared space on campus may lead to the normal operation of the campus, resulting in chaos in campus management. Therefore, we need to analyze and summarize these four factors, plan the strategy most suitable for the Academy of Fine Arts to give full play to its greatest advantages, overcome the adverse factors, and achieve a state of better sharing and connection with the society.

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