

Landscape Architecture Professional Innovation and Entrepreneurship Practice Teaching Platform

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Abstract: The landscape architecture profession develops morally, intellectually, physically, and beautifully in an all-round way, with strong political convictions, solid foundations, broad knowledge, high professional qualities, and strong practical abilities. It has landscape architecture, urban planning and design, scenic spots and various landscapes. The knowledge of planning and design of urban green areas can be applied to the planning, design, construction, and management of applied talents in urban construction and gardening. With the innovation and entrepreneurship proposed, innovation and entrepreneurship go deep into all fields. Today's landscape architecture has a beautiful and serious situation. The demand of landscape architecture for innovation and entrepreneurship is absolutely inseparable from innovation and entrepreneurship, and the cultivation of innovation and entrepreneurial talent is absolutely inseparable from a good platform for the cultivation of innovation and entrepreneurial talents. With architecture and a good platform, it is absolutely inseparable from the perfect system and plan for meticulous planning and design. This paper makes a detailed explanation and description of the framework of practice and teaching platform for landscape architecture innovation and entrepreneurship, and expects to provide reference for landscape architecture.

1. Introduction

Landscape architecture is an industry and a discipline that comprehensively uses science and art to create a beautiful outdoor life environment for human beings. It is a comprehensive discipline that combines "biology and ecology" with other non-biology subjects (such as civil engineering, architecture, urban planning), philosophy, history, and literature and art. Undergraduate majors in architecture include: architecture, urban and rural planning, and landscape architecture. Landscape architecture is a complex discipline that studies the relationship between human living outdoor space environment and coordinating people and nature. With the rapid development of urbanization

in China, people's quality of life and their standards have been continuously improved, and the urban living environment and sustainable development capabilities have become more and more important. The landscape architecture industry is indispensable, and humans' awareness of environmental protection is increasing. The stronger, together with the "lung" that we live on daily, has led to the continuous progress and development of landscape architecture. Especially after China's accession to the WTO, the demand for professional landscape talents is also increasing. The quality of personnel training for the professional also puts forward higher requirements. In response to this phenomenon, this paper proposes to strengthen students' practical ability, innovation spirit, entrepreneurial awareness and teamwork awareness, and to establish the necessary conditions for innovation and entrepreneurship that integrate professional theory with engineering practice. The practical teaching platform has become the promotion of the professional development quality of landscape architecture and the cultivation of innovative and entrepreneurial talents.

2. Current Situation and Problems in the Cultivation of Innovation and Entrepreneurship Talents in Landscape Architecture

Many colleges and universities in our country have majored in landscape architecture, but due to the different backgrounds of various universities, there are institutions with the background of architecture majors; there are institutions with agroforestry as background, and institutions with arts as their background, etc. In the field of landscape architecture professional innovation and entrepreneurship training, there are also various differences. The landscape architecture major requires students to master the professional knowledge of landscape planning and design and landscape engineering, construction and technology. Therefore, in addition to constantly improving innovative entrepreneurial talent training programs and optimizing teaching curriculum systems in the process of cultivating innovative entrepreneurial talents. Need to conduct in-depth exploration of the cultivation approach. However, the following series of problems still exist.

2.1. Unbalanced Economic Development

The gardening majors of various colleges and universities are the cradle of garden engineers and senior technicians. Due to the unbalanced regional economic development, a number of small and medium-sized cities and even township and township enterprises are limited, which is a challenge for the professional students of landscape architecture to start employment. . In recent years, the development of urban construction has been particularly rapid, the planning of landscape architecture, urban planning, and the planning of scenic spots, etc. At the same time, the applied landscape has become more and more important and cannot be ignored. Colleges and universities should speed up the construction of gardening major innovation and entrepreneurship practice teaching, and improve the quality of gardening teaching is the key. At present, China's economic and social development is undergoing a major transformation. There have been environmental crises, shrinking spiritual activities, lack of regional cultural vitality, and lack of cultural trends. This poses a severe challenge to the development of the landscape industry.

2.2. The Training Mode is Not Scientific

The failure of the training model, the relevance of practical teaching, curriculum learning, and graduation thesis is not strong. Practice teaching, course study and graduation thesis are absolutely three essential links in the process of talent cultivation for landscape architecture professionals. However, under the current training mode of implementation, there are great differences in these three links in terms of setting up time, credit hours, ability requirements, and

assessment. In the basic professional learning stage, the theoretical teaching did not fully integrate into practical teaching; in the senior year, the teaching focuses on the design and other courses, and the lack of connection with the basic theory; the graduation thesis comes from the actual project selection. In the case of less practical teaching, this has led to a lack of close contact with previous courses in the process of completion. Colleges and universities at the stage of talent training in landscape architecture, there are mostly classroom teaching, too much emphasis on design courses and weaken other professional courses, while the lack of contact between theoretical teaching and practical teaching and other issues, and the independent and block training will directly affect the Student's ability to frame and develop quality.

2.3. Scarcity of Innovative Entrepreneurial Talent

The construction of an innovative country requires innovative landscape talents; the social transformation and the rapid development of science and technology require complex landscape talent; the trend of economic globalization and the development of foreign-related projects require innovative landscape talents. The rapid development and change of the industry and the trend of internationalization have put forward higher requirements for the quantity and quality of innovative professionals in landscape architecture. Cultivate landscaped professional talents with the spirit of innovation, entrepreneurship, and practicality that meet the needs of China's modernization construction in the new century. Fully explore the platform and model for personnel training required by the industry and establish a good teaching platform.

3. The Goal of the Construction of Innovation and Entrepreneurship Practice Teaching Platform

The innovative and entrepreneurial education activities of landscape architecture should be combined with regular teaching activities. Innovation and entrepreneurship practice education can integrate students' knowledge and professional qualities. The training level of innovative and entrepreneurial talents mainly depends on the degree of school education practice activities and enterprise cooperation. Students in the practice to strengthen their professional skills, entrepreneurial ability and innovative thinking will also be developed, college landscape architecture to continue to promote innovation and entrepreneurship education, which is also colleges and universities to deepen the reform of education and training of new talents must be the way.

The "Double-creation" practical teaching platform is built to meet the needs of local economic development and urban construction. It has established a trinity of practice teaching platform integrating internal and external integration, teaching, scientific research and practice. It has done a good job in education for creative students in landscape architecture students. More students accepted innovation training and entrepreneurship training to explore new ways and methods for cultivating undergraduates' practical abilities in the new situation. The main goals of the platform construction are: Using scientific teaching methods to cultivate students' ability of independent innovation and improve their practical ability and entrepreneurial ability. To create a demonstration practice platform for innovation and entrepreneurship in landscape architecture that is influential in the same colleges and universities; based on the training objectives of applied talents, explore the scientific method and operation system of landscape architecture professional innovation and entrepreneurship practice teaching.

4. A Survey of Professional Practice in Landscape Architecture

4.1. Investigation Objects and Methods

This case study selected a university in the city landscape engineering technology professional talent training teaching status analysis and find out the existing problems. Questionnaire survey was adopted in this study. The respondents were landscape architecture students of three grades in a university in this city. A total of 150 questionnaires were sent out, of which 150 were recovered with a recovery rate of 100%. 150 valid questionnaires, the total effective rate reached 100%.

4.2. Multivariate Statistical Analysis

There are many kinds of multivariate statistical analysis methods, and correlation analysis and multiple regression analysis are mainly adopted in this study.

First, correlation analysis is a statistical method to study the correlation between random variables, which studies whether there is a certain interdependent relationship between phenomena, and discusses the correlation direction and degree of specific interdependent phenomena. The correlation coefficient r has a value between -1 and 1, but can be any value in this range.

Second, multiple regression analysis is used to solve the problem of using multiple independent variables to estimate or predict the value of a dependent variable, and to make clear the actual influence of different independent variables on the dependent variable. The expression is:

$$y = b_1x_1 + b_2x_2 + \dots + b_kx_k + a \quad (1)$$

$$Y = B_1X_1 + B_2X_2 + \dots + B_kX_k \quad (2)$$

4.3. Results of Questionnaire Survey

Table 1. The basic information of the respondents

Grade	Number of people	Proportion
18th	50	33.33%
19th	50	33.33%
20th	50	33.33%

As shown in Table 1, a total of 3 grades were selected, namely grades 18, 19 and 20, and 50 students were selected from each grade, each accounting for one third of the total number of students.

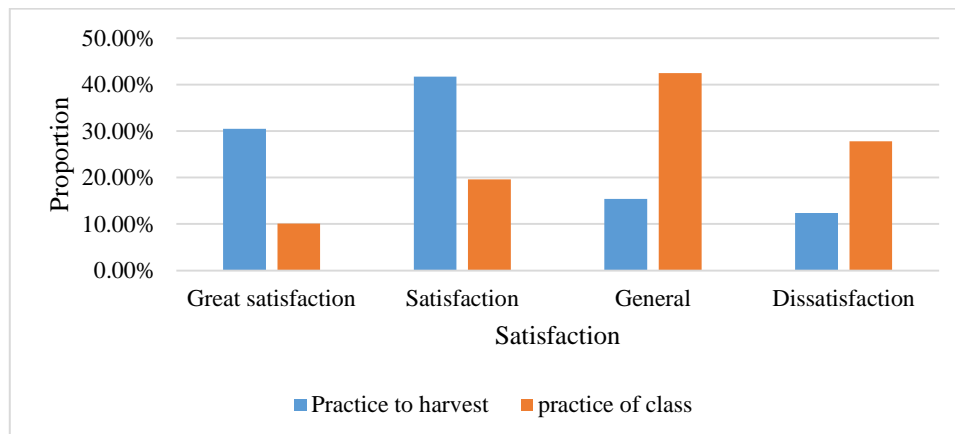


Figure 1. Practice teaching of students majoring in landscape architecture

The questionnaire data statistics and analysis, get the following results: 72.2% of the students in this specialty practice teaching course evaluation for "bigger", 15.4% of the students in this specialty practice teaching courses as "general", from the data seems to students for professional practice in curriculum evaluation is good, but it remains to be improved; 42.5% of the students think that the practical training hours are "not enough", 27.8% of the students think that the practical training hours are "too few", from which it can be seen that students prefer the practical training courses to exercise their professional practice ability.

5. Construction of Practice Teaching Base for Gardening Industry

5.1. Gardening Professional Innovation and Entrepreneurship Education Activities Should Be Combined with Regular Teaching Activities

Practical education can integrate students' knowledge and professional qualities to cultivate students' practical ability. The level of innovation and entrepreneurial talent training mainly depends on the degree of school education practice and enterprise cooperation. The level of cooperation between institutions and enterprises is of great value to the establishment of entrepreneurship education in colleges and universities. It helps to cultivate students' spirit of enterprise and spirit of innovation. Students can understand the latest development trends in the industry. The spirit of enterprise is the most important learning achievement in the teaching of innovation and entrepreneurship practice. one. In practice, students will strengthen their professional skills. At the same time, entrepreneurial ability and creative thinking will be fully exercised. Landscape colleges and universities in the universities will continue to promote innovation and entrepreneurship education. This is also the only way for colleges and universities to deepen education and teaching reform and cultivate complex talents. The proportion of practice in entrepreneurship education should be increased, a practical teaching platform should be built, the level of practical teaching should be improved, the quality of personnel training should be improved, teaching platforms should be built as required, and students should be guided to use the knowledge and practice of the classroom in an integrated manner. Teaching practice platform. Teachers in the process of practice to students infiltrate the spirit of enterprise, innovation and sense of teamwork, these are the important qualities of the garden professional innovation and entrepreneurship.

5.2. School-enterprise Cooperation to Build A Long-Term Development Platform

The innovative and entrepreneurial practice of the gardening industry is based on the teaching bases of universities and colleges. It constantly increases cooperation with the landscape architecture field, strengthens students' internship activities, and is supported by faculty and department teachers. The company's management personnel act as practical consultants and design landscapes. There are many practical problems encountered in the process, and the process of solving these problems will break through many key technical aspects. Students will face various problems in the process of internship in the company. They will also have relatively easy solutions. This kind of teaching arrangement has opened up the vision of students and improved their ability to innovate. After business and school, it provides students with convenient conditions for practicing innovation and entrepreneurship. Let students and teachers have places for design and practice activities, which is one of the foundations for carrying out practical teaching and innovation and entrepreneurship practices. Continuously improve the professional quality of students and promote the development of innovative spirit. School-enterprise cooperation, innovation and entrepreneurship teaching platform and teaching practice teaching system continue to stimulate students' initiative to participate in the enthusiasm. The team of teachers has also been

tempered and has formed the continuity of teaching, practice and entrepreneurship. The university tutors have also strengthened the student's main status and teachers' leading position.

5.3. University Laboratory Platform Construction

Good teaching guarantee is the basis for high-quality personnel training. Therefore, it is necessary to fully explore the improvement of relevant teaching and education guarantee conditions. The faculty is the fundamental guarantee for the construction of specialties. It is necessary to study the introduction of talents for landscape architecture, tutors, and laboratory construction. The construction of experimental courses is the basic way to realize the objectives of professional training. The specialty features must be in course construction and teaching materials construction. There are corresponding manifestations, we must fully rely on the existing cultural connotation of landscape architecture planning textbook construction projects, and further improve the compilation and construction of teaching materials laboratory system.

Based on the analysis of current industry needs, practical courses, and practical teaching systems, we will strengthen the cultivation of students' practical abilities as the core of teaching. We will revise the talent training program and teaching plan, establish a multidimensional three-dimensional practical teaching platform, and innovate the classroom teaching model. And so on, to practice teaching throughout the entire process of personnel training. Economic and social development and the demand for industry development are the direction of the construction of landscape architecture, but professional construction and reform cannot be accomplished overnight. Landscape architecture majors in universities and colleges should focus on reforming the personnel training model from the aspects of teaching content, curriculum system, teaching methods, teaching guarantees, and practical teaching, and cultivating multi-disciplinary professionals who can adapt to the industry.

6. Conclusion

The landscape architecture profession in China is undergoing a major transformation. Continuous reforms and explorations are being carried out in areas such as the concept of disciplines, supporting majors, talent education, and practice methods, and innovative talent training programs are constantly innovated. For institutions, it is a complicated and arduous task to construct an innovation and entrepreneurship practice teaching platform based on the characteristics of schools and serving the development of local society. This article continues to practice on the basis of innovation and entrepreneurship, and allows students to actively participate in various practical activities in and outside the school's practice base. Students' overall quality, innovation ability, and entrepreneurship awareness have been significantly improved. However, in the future of practical teaching and platform construction, it is still necessary to constantly update the practical teaching philosophy and improve the practical teaching system so as to better cope with the social requirements of local colleges and universities for the application of landscape architecture talent cultivation.

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Data Availability

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Conflict of Interest

The author states that this article has no conflict of interest.

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