

The Growth of Tertiary Education Management under the Guidance of Cultivating Innovation Capacity of University Students

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Abstract: The cultivation of innovation capacity is of great significance in the personal growth of university students, the important task of tertiary education and the promotion of technological innovation and social progress. However, in the current tertiary education management, there are some problems that restrict the cultivation of students' innovation capacity. The article will be carried out from the following aspects: firstly, the goal and significance of cultivating university students' innovation capacity are clarified, and the importance of cultivating innovation capacity and the necessity of tertiary education management are given; Secondly, it discusses the role of tertiary education management in cultivating students' innovation capacity; Analyze the problems and constraints in the current tertiary education management; Finally, the paper puts forward some countermeasures and suggestions in order to provide reference for the management of tertiary education. Moreover, this study will also provide new ideas and methods for research in related fields, and promote the continuous improvement of tertiary education management.

1. Introduction

In contemporary society, with the rapid growth of sci & tech and economic globalization, innovation capacity has become an important standard to measure the quality of talents [1]. Cultivating innovation capacity is one of the core goals of tertiary education [2]. Innovation capacity refers to the ability of individuals to produce novel and valuable ideas, viewpoints, methods and products through independent thinking and active exploration on the basis of original knowledge [3]. It covers innovative thinking, innovative consciousness, innovative skills and innovative spirit [4]. In the current era of knowledge economy, innovation capacity has become an important driving force to promote social progress and growth [5]. As the main force of the future society, it is very important to cultivate students' innovation capacity. However, in the current tertiary education management, the cultivation of students' innovation capacity has not been paid enough attention.

As a key link in cultivating high-quality talents, tertiary education plays a vital role in cultivating students' innovation capacity [6]. However, in the current tertiary education management, there are some problems that restrict the cultivation of students' innovation capacity. First of all, the curriculum is too single and lacks diversity, which can not fully stimulate students' interest in learning and innovative thinking [7]. Secondly, the teaching methods are too traditional, lacking practicality and innovation, and can not effectively cultivate students' practical abilities. In addition, the assessment system is too one-sided and lacks scientificity and comprehensiveness, so it is impossible to comprehensively evaluate students' innovation capacity and comprehensive quality [8]. In this environment, this study aims to explore the growth of tertiary education management under the guidance of cultivating students' innovation capacity. Through in-depth analysis of the present situation and problems of cultivating students' innovation capacity, this study will put forward targeted countermeasures and suggestions in order to provide reference for the management of tertiary education.

2. The importance of innovation capacity training

(1) The cultivation of innovation capacity is the need of the growth of the times

With the rapid growth of sci & tech and the globalization of economy, innovation capacity has become an important standard to measure the quality of talents [9]. In today's society, only people with innovation capacity can stand out in the fierce competition. Therefore, cultivating students' innovation capacity is the need of the growth of the times and the inevitable requirement of the growth of the country and society. The concept of building an educational model for cultivating students' innovation capacity is shown in Figure 1.

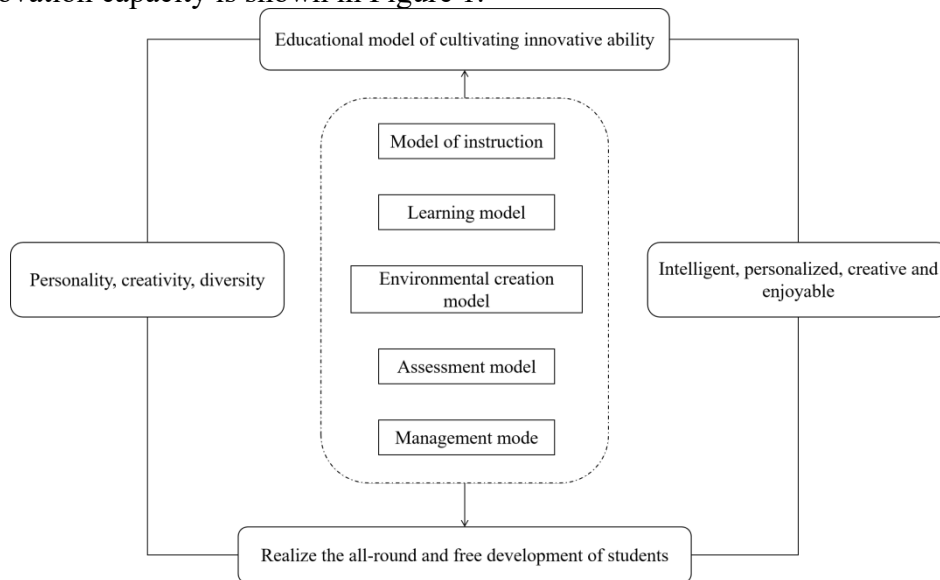


Figure 1 Educational mode of cultivating innovation capacity

(2) Cultivating innovation capacity is the need of university students' personal development.

As the main force of the future society, university students need to have certain innovation capacity to adapt to the changes of society [10]. By cultivating students' innovative ability, their innovative thinking and awareness can be stimulated.

(3) Cultivating innovation capacity is an important task of tertiary education.

As a key link in cultivating high-quality talents, tertiary education plays a vital role in cultivating students' innovation capacity. Tertiary education should focus on cultivating students' innovative thinking, innovative consciousness, innovative skills and innovative spirit, and provide them with sufficient practical opportunities and innovative platforms, so as to cultivate more high-quality talents with innovation capacity.

(4) The cultivation of innovation capacity is helpful to promote technological innovation and social progress.

Innovation is an important driving force to promote social progress and development. By cultivating students' innovation capacity, we can provide continuous talent support for technological innovation and social progress.

To sum up, the cultivation of innovation capacity is of great significance to the personal growth of university students, the important task of tertiary education and the promotion of technological innovation and social progress. Therefore, in the management of tertiary education, we should lay stress on the cultivation of students' innovation capacity, provide them with a better learning and practice environment, and cultivate more high-quality talents with innovation capacity.

3. The necessity of tertiary education management

(1) Tertiary education management is the guarantee to realize the goal of cultivating students' innovation capacity.

As a key link in cultivating high-quality talents, the management level of tertiary education directly affects the quality of cultivating students' innovation capacity [11]. Through scientific and effective tertiary education management, we can ensure the smooth progress of education and instructional activities, provide students with sufficient practical opportunities and innovative

platforms, and thus cultivate more high-quality talents with innovation capacity.

(2) Tertiary education management is an important way to improve the comprehensive quality of university students.

Through the management of tertiary education, students' ideology, morality, culture, sports and other aspects can be cultivated and managed in an all-round way, thus improving their comprehensive quality and innovation capacity.

(3) The management of tertiary education is an inevitable demand to cater to the needs of societal progress.

As society continues to evolve and transform, tertiary education must also adapt to the changing needs and trends of society. Through effective management of tertiary education, we can promptly adjust educational and instructional plans, update instructional content and methodologies, and cultivate a larger pool of high-caliber talents to meet the demands of societal progress.

(4) The management of tertiary education is a critical means to ensure the quality of tertiary education.

The quality of tertiary education directly impacts the advancement of a nation and society. By managing tertiary education, we can comprehensively monitor and evaluate educational and instructional activities, promptly identify and address issues and deficiencies in education and teaching, and thereby guarantee the quality and standard of tertiary education.

In conclusion, the management of tertiary education is essential to achieving the goal of cultivating students' innovative abilities, a crucial avenue to enhancing their overall qualities, an inevitable demand to meet the needs of societal progress, and a critical means to ensure the quality of tertiary education. Therefore, under the guidance of fostering students' innovative capacities in the development of tertiary education management, we must recognize the necessity and significance of tertiary education management, continuously refine and optimize the tertiary education management system, and provide stronger support and assurance for cultivating students' innovative capacities.

4. The relationship between the cultivation of students' innovation capacity and the management of tertiary education

Tertiary education management is an important guarantee for the cultivation of students' innovation capacity, and the cultivation of students' innovation capacity is one of the important goals of tertiary education management. They promote and influence each other, and need to coordinate and cooperate with each other to jointly promote the growth and progress of tertiary education. Specifically, first of all, as a key link to cultivate high-quality talents, the management level of tertiary education directly affects the quality of cultivating students' innovation capacity. Through scientific and effective tertiary education management, we can ensure the smooth progress of education and instructional activities, provide students with sufficient practical opportunities and innovative platforms, and thus cultivate more high-quality talents with innovation capacity. Secondly, tertiary education should not only lay stress on the teaching of students' professional knowledge, but also lay stress on the cultivation of students' comprehensive quality, in which the cultivation of innovation capacity is an important part. By cultivating students' innovation capacity, we can stimulate their innovative thinking and awareness, improve their innovation capacity and practical ability, and thus enhance their employment competitiveness and career development potential. Therefore, the cultivation of students' innovation capacity is one of the important goals of tertiary education management. In addition, there is a mutual promotion and influence between the cultivation of students' innovation capacity and the management of tertiary education. On the one hand, the level of tertiary education management directly affects the quality of cultivating students' innovation capacity; On the other hand, the cultivation of students' innovation capacity also needs the necessary support and guarantee from tertiary education management. Therefore, they need to coordinate and cooperate with each other to jointly promote the growth and progress of tertiary education. See Figure 2 for the core composition of innovation capacity training.

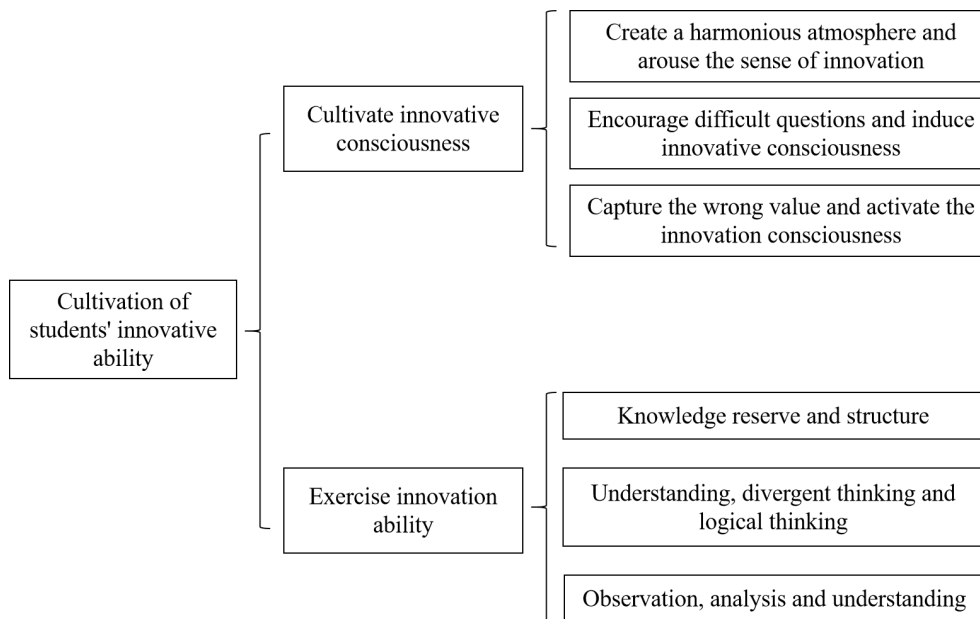


Fig. 2 Core components of innovation capacity training

In the current era of knowledge economy, innovation capacity has become an important driving force to promote social progress and growth. Therefore, in the management of tertiary education, we should take the cultivation of students' innovation capacity as the guide, promote the reform and innovation of education and teaching, provide more practical opportunities and innovative platforms for students, and thus cultivate more high-quality talents with innovation capacity.

5. The cooperative development strategy of university students' innovation capacity training and tertiary education management

5.1. Develop an education and instructional plan guided by the cultivation of innovative abilities

The management of tertiary education should closely focus on the goal of cultivating students' innovation capacity and formulate an education and instructional plan oriented to cultivating innovation capacity. In the stage of making instructional plan, we should lay stress on the combination of theory and practice, increase the proportion of practical courses, and provide more practical opportunities and innovative platforms for students. Moreover, students should also be encouraged to participate in various academic competitions, scientific research activities and social practice, so as to cultivate their innovative thinking and awareness.

5.2. Strengthen the construction of teachers and enhance teachers' awareness of cultivating innovation capacity

Teachers are the leaders of instructional activities in tertiary education, and their teaching level and innovation capacity directly affect the quality of cultivating students' innovation capacity. Therefore, we should strengthen the construction of teachers and enhance teachers' awareness of cultivating innovation capacity. On the one hand, the overall quality of teachers can be improved by introducing teachers with rich innovative experience and ability; On the other hand, teachers can also be organized to participate in training, academic exchanges and other activities to improve their awareness and ability to cultivate innovation capacity.

5.3. Establish and improve the assessment system of innovation capacity training

In the stage of establishing the assessment system, we should lay stress on multiple assessments and adopt various assessment methods and means, such as students' self-assessment, mutual assessment and teachers' assessment, so as to comprehensively evaluate students' innovation capacity and comprehensive quality. Moreover, we should also lay stress on process assessment and

lay stress on students' performance and progress in the stage of innovation, so as to stimulate students' innovative thinking and awareness.

5.4. Promote cooperation between industry, academia, and research, and expand channels for cultivating innovation capabilities

Industry-University-Research cooperation is an important means to expand the ways of cultivating students' innovation capacity. Through the cooperation of Industry-University-Research, students can be provided with more practical opportunities and innovative platforms, thus cultivating their innovative and practical abilities. Moreover, we can also strengthen the contact and cooperation between universities and enterprises and scientific research institutions through the cooperation of Industry-University-Research, so as to promote technological innovation and social progress.

5.5. Create a good campus cultural atmosphere and stimulate students' innovative thinking and awareness

Campus cultural atmosphere is one of the important factors affecting the cultivation of students' innovation capacity. By creating a good campus cultural atmosphere, students' innovative thinking and awareness can be stimulated. On the one hand, we can create a strong academic atmosphere by organizing various technological innovation activities, academic lectures and other activities; On the other hand, students' hobbies and comprehensive quality can also be cultivated by encouraging them to participate in clubs, literary competitions and other activities.

6. Conclusions

Through the in-depth analysis of the present situation and problems of the cultivation of students' innovation capacity, this study finds that the cultivation of innovation capacity is of great significance in the personal growth of university students, the important task of tertiary education and the promotion of technological innovation and social progress. In order to adapt to the growth of society and meet the demand of talents, tertiary education must lay stress on the cultivation of students' innovation capacity and provide sufficient practice opportunities and innovative platforms. However, in the current tertiary education management, there are some problems that restrict the cultivation of students' innovation capacity. The coordinated growth of students' innovation capacity training and tertiary education management needs various strategic support. By making the education and instructional plan oriented to the cultivation of innovation capacity, strengthening the construction of teachers, establishing and improving the assessment system of innovation capacity cultivation, promoting Industry-University-Research cooperation and creating a good campus cultural atmosphere, we can promote the coordinated growth of students' innovation capacity cultivation and tertiary education management, thus cultivating more high-quality talents with innovation capacity for the country and society.

References

- [1] Zhang Honghui. Research on the reform of higher education management based on the cultivation of college students' innovative ability-Comment on "Research on Higher Education Management and Cultivation of College Students' Innovative Ability" [J]. *Education Development Research*, 2020(10):1.
- [2] Sun Yuting. Research on the path of higher education management reform-based on the cultivation of innovative ability of college students [J]. *Modern Communication*, 2021, 000(017):167-169.
- [3] Xie Xu. Higher education management reform and college students' innovation and entrepreneurship-Comment on "Higher education management and the cultivation of college students' innovative ability" [J]. *Scientific and technological progress and countermeasures*, 2020,

37(24):1.

- [4] Liu Dongfeng, Liang Qing. Analysis of the value of ideological and political education in innovation and entrepreneurship education in colleges and universities-Comment on "College Students' Innovation and Entrepreneurship Foundation" [J]. Science and Technology Management Research, 2022, 42(9):1.
- [5] Liu Ya. On the positive role of the second classroom in colleges and universities in cultivating college students' innovation and entrepreneurship [J]. University: Research and Management, 2022(7):173-176.
- [6] Yan Ruiqin, Zhu Yingling, Zhong Xiaochun. Research on laboratory open management from the perspective of innovation and entrepreneurship education for college students [J]. Industry and Technology Forum, 2017, 16(5):2.
- [7] Deng Fei, Liu Enfu, Cui Hongbin, et al. Construction of training mode for application and innovation capacity of engineering students [J]. Research and Exploration in Laboratory, 2017, 36(11):5.
- [8] Chu Weizhong, Zhang Hongyan. Narration and improvement strategies of college students' academic evaluation methods [J]. Journal of Taiyuan Normal University: Social Science Edition, 2019, 18(5):5.
- [9] Zhang Honghui. On the construction of innovative mechanism of college students' education management-Comment on "Research on Higher Education Management and Cultivation of College Students' Innovative Ability" [J]. Education Development Research, 2020(15):1.
- [10] Sun Xiaojuan. Value Cognition of College Students' Innovative Ability Training-Comment on "Research on Higher Education Management and College Students' Innovative Ability Training" [J]. Science and Technology Management Research, 2023, 43(1):I0010.
- [11] Wang Han, Zhao Jie. Analysis of innovative ways for college students based on maker ability [J]. Innovation and Technology, 2018(3):47-49.