

Design and practice of virtual simulation experiment teaching for college students' career development and innovation and entrepreneurship education

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Abstract: With the deepening of reform and opening up, along with the rapid development of the country, innovation and entrepreneurship have become the main driving force to promote national and regional economic development. Innovation is a catalyst to promote social and economic development. The trend of social and economic development has brought new ideas to college students' work. At present, the focus of college students' work is how to cultivate college students' innovation and entrepreneurship ability and how to plan their career.[1]

1. Introduction

With the gradual disintegration of China's market economy system, China's enterprise organization has undergone profound changes, a group of workers left the traditional industrialized production mode, came to China's coastal cities, engaged in individual business activities. Some scholars believe that the main goal of innovation and entrepreneurship in universities is to obtain certain results. At the same time, some scholars believe that the innovation and entrepreneurship of college students is a very complex activity, which is more an interpretation of the current situation. In fact, there is nothing wrong with college students' pursuit of the successful results of innovation and entrepreneurship, which is a process subordinate to social development and an indispensable link in the process of social development. The search for successful results is the driving force of social progress. Some scholars believe that the main goal of innovation and entrepreneurship in universities is to obtain certain results. At the same time, some scholars believe that the innovation and entrepreneurship of college students is a very complex activity, which is more an interpretation of the current situation. In fact, there is nothing wrong with college students' pursuit of the successful results of innovation and entrepreneurship, which is a process subordinate to social development and an indispensable link in the process of social development. The search for successful results is the driving force of social progress. From the perspective of the process itself, innovation and entrepreneurship is an achievement and an important resource for social progress. Every college student has the desire for the success of innovation and entrepreneurship, which promotes social

changes. Success or failure is an important embodiment of social value.

2. Overall situation of innovation and entrepreneurship in the world

In 2012, after the term "Industry 4.0" was proposed, the word "intelligent" was circulated around the world, causing a global discussion. The concept of "Industry 4.0" originated from a report titled "Ensuring the development of German manufacturing industry: Opinions on the implementation of the" 4.0 "strategy" at the Hannover Industrial Exhibition in Germany, which divides the German manufacturing industry into four development periods: one is "industry 1.0", that is, "machine production" period; The second period is "Industry 2.0", the period of electrical and automatic control; The third period is "3 5", namely "informationization" and "informationization"; The fourth period is the so-called "Industry 4.0", which is the combination of material and information. With the emergence of this concept, other countries have followed suit, the United States has also put forward the concept of "Industry 4.0", but different from Germany, the idea of the United States is to integrate reality and illusory technology together, and on this basis, on behalf of the United States, set off an Internet industrial revolution.[2]Japan, for example, is already a global leader in development, yet it feels a sense of crisis from other countries' technological plans. In order to ensure the leading advantage of Japan's robot industry in the world, the Japanese government began to reposition its industry and implemented a series of policy supports. At the same time, the relevant departments of Japan have also released a new robot strategy, which gives a five-year plan, this plan is to make robots can be used all over the world, from manufacturing to public work, and then to public life, with mechanical work instead of simple work, so that robots can truly integrate into people's lives. Become an essential part of people's lives.

3. Cultivate the innovative and entrepreneurial qualities of college students

The innovation and entrepreneurship of college graduates have a good development space, so there are high requirements for their comprehensive quality. Excellent individual quality is the prerequisite for successful innovation and entrepreneurship of enterprises, lack of individual quality will make enterprises difficult in the development of enterprises.[3]Good individual quality is an important guarantee for enterprises to carry out innovation and entrepreneurship. The growth and development of teenagers is closely related to the prosperity and prosperity of the country, and is related to the foundation of the whole society and even the country. [4] Innovation and entrepreneurship is a hard work with little chance of success, which requires high mental tolerance of college students.Proper participation in sports can not only improve personal physical quality, but also exercise personal personality and temper personal will, so as to have the basic conditions for innovation and entrepreneurship training[5]. When conducting classroom teaching, teachers should focus on the humanistic education of students, and integrate these contents into their own learning when conducting professional education and humanistic education of students, so as to prevent students from having some negative emotions in the process of learning. [6]

4. Employment career and innovation and entrepreneurship quality training of college graduates

Career is a basic element of a person's life and development in a country, which determines the success or failure of a person's career. Therefore, anyone who wants to develop in this world should pay attention to their own career, and in the development of their career, so that their life value can be reflected. The professional development of college students is affected by many aspects. The roles that people play in social life are constantly changing over time.At the same time, it is

necessary to correctly deal with some problems in the role transformation of college teachers, such as: relying on the identity of students, fearing their professional identity, feeling good about themselves, impatient working style, and unbalanced mentality. In order to achieve good career development, in addition to doing a good job in the transition of professional roles, it is also necessary to improve their personal etiquette and abide by the etiquette norms. Enterprise culture is an important orientation to cultivate enterprise innovation and entrepreneurial spirit. How to "create", how to "new", this is the university teachers and entrepreneurs have long thought about a problem. In today's diversified society with highly developed science and technology, how college students can break through the traditional way of thinking and create independent and novel special cases of innovation and entrepreneurship is inseparable from their humanistic education. When conducting classroom teaching, teachers should focus on the humanistic education of students, and integrate these contents into their own learning when conducting professional education and humanistic education of students, so as to prevent students from having some negative emotions in the process of learning. One shortcoming of our education itself is that our teaching methods are too one-dimensional, which runs counter to the diversity and integration advocated by today's society. If college students want to realize the cultivation of innovation and entrepreneurship ability, it is not enough to rely on the relevant education and teaching work of the school, but they should combine their own personality and hobbies, and carry out targeted training and development for themselves. Many college students' creativity comes from a moment of inspiration, or they want to complete some personal dreams that have not been completed before. These have nothing to do with their major, they just come from a moment of novelty. When their creativity is stimulated in a moment, thousands of ideas will emerge in their brains. However, innovation and entrepreneurship not only rely on inspiration and ideas, entrepreneurs must grasp the relationship between innovation and entrepreneurship ability and career development of college students. The more you do, the more you know. Lu You "winter night reading shows son Yu": "Talk on paper, practice." "Birds perch on the pond, monks knock on the door of the moon", this is the Tang Dynasty great poet Jia Island in the title of Li Ning's seclusion used a sentence, this sentence was Jia Island repeatedly thought. In ancient China, they paid great attention to the connection between theory and practice, paid attention to the guidance of theory to practice, advocated testing theory in practice, and combined theory with practical work, so as to achieve the purpose of sublimation.

5. Conclusion

College students' innovation and entrepreneurship have both subjective requirements for their own development and objective requirements for the change of The Times. In the era of knowledge economy, the demand of social enterprises, and college students' longing for the future have brought endless impetus to college students' innovation and entrepreneurship. In the current social and economic environment, college students should attach more importance to their own development, actively change the inherent ideas in the past, and connect their career planning with innovation and entrepreneurship ability. On the basis of cultivating their own innovation and entrepreneurship ability, they should plan their career and apply it to their study.

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References

- [1] Wang Wei. *Analysis on the New Strategy of Japanese Robot [J]*. *Robot Technology and Application*, 2015 (1): 17-18.
- [2] Wang Zhanren, Liu Haibin, Li Zhongyuan. *Research on the role of mass maker Spaces in innovation and entrepreneurship education in universities: Based on a field visit survey of 25 mass maker Spaces in 6 cities across China [J]*. *Ideological and Theoretical Education*, 2016 (2): 85-91.
- [3] Zhang Yi. *Research on cultural quality education of College students in China [D]*. Shaanxi: Shaanxi University of Science and Technology, 2015:22-28.
- [4] Peng Weihua. *Foundation and Practice of Entrepreneurship in the context of Internet [M]*. Beijing: Economic Science Press, 2015:108-110.
- [5] Wang Duchun. *Foundation of College Students' Entrepreneurship [M]*. Beijing: Tsinghua University Press, 2013:56-59.
- [6] Zheng Xiaoyan. *Entrepreneurship basic case and practical training [M]*. Chengdu: Southwestern University of Finance and Economics Publishing, 2014:44-46.