

Research on Innovation and Entrepreneurship of College Students in Higher Vocational Colleges and Talent Training Model

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Keywords: Higher Vocational College, College Students, Innovation and Entrepreneurship, Talent Training Model

Abstract: At present, most higher vocational colleges have carried out innovative entrepreneurship education, which aims to improve the ability of college students to innovate and start a business, and to provide high quality comprehensive talents for the society. However, in the process of implementing the innovative entrepreneurial talent training model, there are many problems, which make the innovative entrepreneurship and talent training flow on the surface and fail to obtain substantial progress. This paper mainly introduces the problems faced by the training mode of innovative entrepreneurial talents for college students in higher vocational colleges and the measures to solve the problems.

1. Problems of College Students' Innovation and Entrepreneurship and Talent Training in Higher Vocational Colleges

With the development of society, it puts forward higher requirements for talents, not only need to have professional skills, but also need to have certain innovative ability. In addition, in order to solve the problem of college students' graduation and employment difficulties, the state encourages graduates to start their own businesses and inject fresh blood into the society. In order to improve the innovative ability of college students and help college students to develop entrepreneurship better, each higher vocational college has put forward the training mode of innovative entrepreneurial talents. However, in the process of implementation, a number of problems have emerged, mainly in the following areas:

First of all, the talents trained in higher vocational colleges do not meet the requirements of social units and enterprises for talents. Under the traditional education mode, talent training pays attention to the professor of professional knowledge, neglecting the cultivation of students' professional skills and innovative ability, which makes it difficult for college students to integrate into society after graduation. At present, most enterprises require certain work experience when recruiting, and need a large number of skilled talents with repetitive work, which greatly reduces the enthusiasm of graduates to innovate and start a business, but also is not conducive to the development of innovative entrepreneurship education activities in higher vocational colleges.

Secondly, innovative entrepreneurship education has not been implemented in place. At present, most higher vocational colleges have carried out innovative entrepreneurship education related courses, but its most important form is classroom teaching, and there is no assessment system, so that most students do not attach importance to innovative entrepreneurship education, think that as long as the class sign in to get credit. In addition, some colleges and universities carry out innovative and entrepreneurial education through some community activities, such as literary and artistic competitions, calligraphy and painting appreciation, and so on. Although these activities enrich students' after-school life, attract students' interest and increase students' participation, they are not related to professional skills cultivate applied talents.[1].

Then, innovative entrepreneurship education teachers are weak. Because innovation and entrepreneurship education is only a public elective course at present, whether schools, students or teachers do not attach importance to this course, so that most of the teachers are engaged in

employment education, their knowledge of innovation and entrepreneurship is relatively simple, teaching experience is insufficient, can not improve students' ability to innovate and start a business.

Finally, the assessment system of innovative entrepreneurship education is not perfect. For the assessment of innovative entrepreneurship education, most higher vocational colleges do not specify a clear standard, generally above the public elective courses can get the corresponding credits, have participated in the relevant competitions and won awards can get quality expansion credits. However, the participation of students in this kind of competition is not high, and most students lack interest in innovation and entrepreneurship education, which makes the innovation and entrepreneurship education in higher vocational colleges in China can not be further developed.

2. Analysis of the Factors that hinder College Students' Innovation and Entrepreneurship

2.1. Internal Factors

For college students in higher vocational colleges, the internal factors of their low ability of innovation and entrepreneurship mainly include their own lack of knowledge reserve, weak sense of innovation, weak practical ability, lack of confidence and perseverance, lack of the spirit and ability of teamwork, and the bondage of traditional ideas.[2]. The importance of these factors in enhancing the capacity of innovative entrepreneurship is shown in Table 2.1 below:

Table 1 Analysis of negative factors affecting innovation and entrepreneurship

Project name	% of significance
Lack of knowledge reserve	15
The innovation consciousness is not strong	18
Weak capacity in practice	26
Lack of confidence and perseverance	13
Lack of teamwork spirit and ability	8
The bondage of traditional thought	20

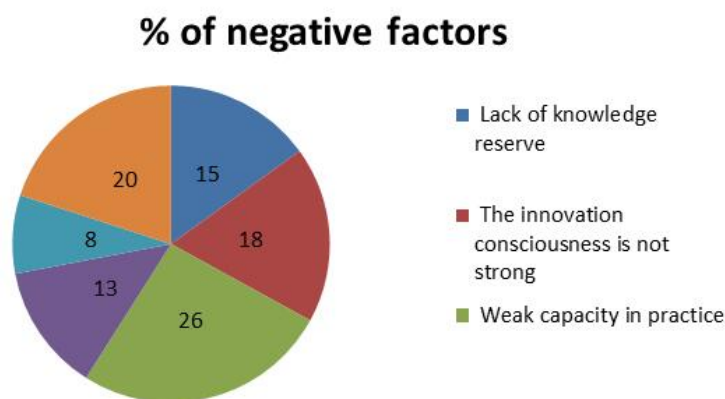


Figure 1 Percentage of negative factors

Their own knowledge reserve is the foundation of students' innovation and entrepreneurship, only students' basic knowledge is very solid, can provide guarantee for innovation and entrepreneurship. Some students obviously do not have any knowledge reserve, but want to start a business, this is a very irresponsible behavior, there is no knowledge guarantee of innovation and entrepreneurial activities are not practical.

If knowledge reserve is the foundation of innovation and entrepreneurship, then innovation consciousness is the precondition of innovation and entrepreneurship. Only when students have such awareness can students improve their innovative ability and actively start a business.

At present, vocational colleges still focus on the teaching of professional knowledge, and fail to provide students with practical opportunities, which makes most students lack practical ability whether they are put into work or start a business. Then, when the students put forward the

innovation, it is difficult to realize it because of their weak practical ability, which will greatly reduce the students' self-confidence and make the students lose their interest in innovation and entrepreneurship.

Every entrepreneurial achievement of people, have faced failure, confusion and frustration, in the process of innovation and entrepreneurship, will have to all kinds of setbacks, then need students to have firm confidence, super perseverance, constantly overcome difficulties, firm their own beliefs.

Innovation or entrepreneurship in a project can not be achieved by one person alone, often is the result of a team's joint efforts, so how to lead the team to progress together is a very important issue. Students should learn to accept other people's ideas, focus on the overall situation, and try their best to give full play to the advantages of the team.

Innovation requires students to break the traditional mode of thinking and think from a new perspective. However, due to the influence of examination-oriented education, many students have formed the thinking pattern, which makes the thinking not flexible enough, and the ability of innovation is difficult to be improved.

2.2. External Factors

Although the school encourages students to innovate and start a business, it does not introduce talents in professional innovation and entrepreneurship education, which makes the teaching teachers unable to fully invest in innovation and entrepreneurship education, and the teaching quality and efficiency can not be improved.

Although most colleges and universities have set up the incubator base of innovation and entrepreneurship, it needs to invest a lot of manpower, material resources and financial resources, which is still difficult for some colleges and universities. In addition, in the innovation and entrepreneurship incubator base, there are no professional teachers to guide students, so that some students can not seek help when they encounter problems.

3. Measures to Improve the Cultivation of Innovative Entrepreneurship Talents for College Students

3.1. Improved Overall Quality of Students

The education of innovation and entrepreneurship requires students to have certain innovation potential, innovation ability and practical operation ability, so as to improve students' comprehensive quality in an all-round way.

First of all, teachers should be good at tapping students' innovative potential. When the teacher finds that the students' thinking is very flexible and has outstanding talents for a certain aspect, it can guide the students to study deeply, fully excavate the flash on their body, and let the students play their greatest talents.

Secondly, teachers should cultivate students' innovative ability. The Ministry of Education has organized a lot of competition activities in conjunction with colleges and universities, and teachers can actively encourage students to participate in various activities and guide students to innovate. For example, the National Mathematical Modeling Competition for College Students (as shown in Figure 3.1), as a comprehensive and representative competition, can not only improve students' creative awareness and ability, but also cultivate students' creative ability



Figure 2 National college students mathematical modeling competition

Teamwork and teamwork spirit, the most important thing is to train students' logical thinking and open thinking way[3]In addition to encouraging students to participate in some competition activities, teachers can also use some teaching methods to develop students' thinking, combine innovation with textbook content, and better lay a solid foundation for students' future innovation and entrepreneurship.

Finally, teachers need to improve students' practical ability in the process of teaching. Students, whether they go to work, or innovative entrepreneurship, need to have super practical ability. In order to improve the students' practical ability, the teacher can arrange some course designs for the students according to the students' contents, so that the students can understand what they have learned according to the actual project, and connect with the work, so as to accumulate more work experience for the students. In addition to the practical activities carried out in the school, teachers can encourage students to use the time of winter and summer vacation to practice, or the school unified organization of students to practice, so that students can accumulate knowledge in real jobs and improve their practical ability.

3.2. Building a Sound System of Innovative Entrepreneurship Education

Relying on the traditional education system can not meet the needs of modern society for talents, higher vocational colleges must construct a reasonable system of innovation and entrepreneurship education. Teachers should combine their own professional advantages to carry out innovative entrepreneurship education curriculum. Students in the course selection, can be based on personal interests and hobbies, there is no professional restrictions, only students to innovate where they are interested, can have passion, motivation, can play their talents. In addition, the assessment of innovative entrepreneurship education curriculum needs to evaluate students' achievements from a comprehensive perspective, encourage the development of students' personality, and create a harmonious and fair environment for students.

3.3. Optimizing the Teaching Workforce

Higher vocational colleges have a high-quality team of teachers, which is very important for the cultivation of innovative and entrepreneurial talents. Because, teachers are the guide of students' innovation and entrepreneurship, they provide guidance for students and help students adjust their emotions. In order to optimize the teaching staff, the school can introduce professional talents in innovative entrepreneurship education, and regularly train teachers, adopt efficient teaching methods, guide students to actively innovate, and contribute innovative and entrepreneurial talents to the society[4].

4. Concluding Remarks

To sum up, each higher vocational college should conform to the development of the times and train innovative and entrepreneurial talents. From the aspects of improving students' comprehensive quality, constructing a reasonable education system of innovation and entrepreneurship, optimizing the teaching staff and so on, we should encourage more students to innovate and start a business, and provide more high-quality talents for the development of our country.

Acknowledgements

Subject: 2019 school level education and teaching reform project of Yiwu vocational and Technical College of industry and commerce "construction of school enterprise cooperative teaching platform for finance and Economics Majors Based on" three education reforms "Project No.: 2019jg04

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