

Research on the integration path of professional education and innovation and entrepreneurship education in Higher Vocational Colleges

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Abstract: since entering the new era, how to create a new educational pattern of “mass entrepreneurship and innovation” in the development of higher vocational colleges, and cultivate high-quality and highly skilled talents around the needs of social development, has become its focus. In order to effectively deepen the reform of vocational education, higher vocational colleges and professional teachers need to deeply analyze the connotation of innovation and entrepreneurship education, then analyze the necessity of its integration with professional education, and actively implement effective teaching reform measures according to the problems existing in the current higher vocational innovation and entrepreneurship education, so as to deepen the professional teaching reform and meet the comprehensive development needs of students. This paper studies the integration path of Higher Vocational Professional Education and innovation and entrepreneurship education, and puts forward corresponding views and suggestions.

Key words: higher vocational education; Innovation and entrepreneurship; Integration; research

1. Connotation of innovation and Entrepreneurship Education

Under the new education background, innovation and entrepreneurship education is an important measure for colleges and universities to implement morality and talent cultivation. As a teaching concept and mode, it is an inevitable path for colleges and universities to adapt to the needs of society and national development strategy in the new era. In the process of educating students, the teachers' Union will face all students, fully reflect students' subjectivity, and mobilize students' interest in participation with effective methods and rich content, so that students can continuously establish innovation consciousness and have innovation ability in the process of practice. After years of practice, it can be found that innovation and entrepreneurship education is the focus of higher vocational colleges to improve the quality of talent training and deepen education reform. Its main goal is to cultivate innovative skilled talents who can meet the needs of social development, while teachers will integrate innovation and entrepreneurship education into professional teaching according to the characteristics of different majors, Strengthen the cultivation of students' awareness and ability of innovation and entrepreneurship. With the passage of time, innovation and entrepreneurship education has gradually formed a comprehensive education system, which covers the connotation of innovation education and entrepreneurship education, and effectively integrates the two.

2. The necessity of the integration of professional education and innovation and entrepreneurship education in Higher Vocational Colleges

2.1 Deepening the reform of Higher Education

The outline of the national medium and long term talent development plan (2020-2030) points out the direction for the reform of higher vocational education, which clearly points out the restrictive factors existing in the talent cultivation and talent development level of Higher Vocational Education in China at the present stage, and objectively and pertinently refines them, and points out the current lack of high-level innovative skilled talents. The comprehensive ability of innovation and Entrepreneurship of new talents is not strong. In view of this situation, in order to strengthen the core competitiveness of students and make them stable in the society after graduation, China's Higher Vocational Colleges actively explore the integration path of professional teaching and innovation and entrepreneurship education, and implement the new education concept and mode in every link of talent training. In the process of development, teachers will conduct in-depth research, so as to create an effective talent training system, effectively deepen the reform of higher vocational education and improve the quality of education.

2.2 Promote students' comprehensive development

First, cultivate students' entrepreneurial confidence. Entrepreneurial self-confidence is an important prerequisite for students to have the ability of innovation and entrepreneurship. Therefore, under the new education background, teachers of different majors in higher vocational colleges will further strengthen students' entrepreneurial self-confidence in innovation and entrepreneurship education. By introducing practical projects and cases that meet students' cognition, they can help students gradually master different aspects of professional entrepreneurship, and realize that there are a lot of entrepreneurial space in their majors, So as to gradually improve students' confidence in innovation and entrepreneurship, and strengthen students' awareness of participation. Secondly, cultivate students' innovative and practical ability. Under the concept of integration of industry and education, school enterprise cooperation and integrated education, the school cooperates with enterprises to build an education platform. Students learn more practical projects on this platform. They will master more professional skills, innovation and entrepreneurship ideas, and their multiple abilities will be improved.

3. Problems in innovation and entrepreneurship education in Higher Vocational Colleges at the present stage

In the new era, the integration of innovation and entrepreneurship education into professional teaching has become the research content of many teachers in higher vocational colleges. Some schools and professional teachers actively practice and have achieved good educational results in this process. However, in the actual development process, there are still some problems, which make it difficult to achieve the established teaching objectives. The author believes that there are the following points: first, the curriculum system of innovation and entrepreneurship education is not perfect. From the perspective of innovation and entrepreneurship education, the progress of professional teaching reform and the improvement of talent training quality are directly related to the professional teaching system. Schools should further improve the teaching system around innovation and entrepreneurship education. However, many schools are not aware of this in their development, and their existing teaching system is not enough to improve the quality of talent training. Secondly, the educational ability of teachers is limited, and the structure of teaching staff is unreasonable. In the context of innovation and entrepreneurship, school professional teachers are the main body of education, and their comprehensive ability to educate people affects the effectiveness of education. However, under the current educational background, many course teachers are not aware of this. They simply believe that it is enough to set up corresponding courses for innovation and entrepreneurship education, which makes it difficult to achieve the established teaching objectives and students' comprehensive ability can not be improved; The school did not pay attention to the improvement of teachers' ability, and did not optimize the structure of teachers' team on the existing basis. Thirdly, the teaching method is single. A single teaching method is another important factor that limits the improvement of teaching effect. At present, in the innovation and entrepreneurship education, many teachers only explain the relevant theoretical knowledge and practical skills, and then let students complete a complete business plan. However, there are many knowledge involved, and many students can not complete the plan well, And this form will reduce students' interest in autonomous learning, resulting in poor teaching effect. Finally, the teaching evaluation is not perfect. Many teachers do not pay attention to students' learning process, but only evaluate students according to students' achievements and practice, which is not conducive to the improvement of students' multiple abilities. Teachers can also find it difficult to obtain students' learning feedback, and it is difficult to adjust teaching contents and methods.

4. Countermeasures for the integration of professional education and innovation and entrepreneurship education in Higher Vocational Colleges

4.1 Constructing the system of specialized courses and implementing the education of all staff

First, schools and professional teachers should further optimize the curriculum system and start to develop high-quality courses with deep integration of expertise and creativity. After years of practice, the deep integration of innovation and entrepreneurship education and students' professional teaching is an important method to cultivate high-quality and innovative skilled talents. In order to further achieve the established educational objectives, schools and professional teachers should, according to the actual needs, according to the guiding opinions of the general office of the State Council on further supporting college students' innovation and Entrepreneurship (Guo Ban Fa [2021] No. 35), and around the core idea of "effective progression, in-depth connection, and school enterprise cooperation", appropriately improve the original professional talent training program, So as to further optimize the innovation and entrepreneurship education system, build a special curriculum group based on the basic courses of innovation and entrepreneurship, professional courses and elective courses, and the education subject needs to focus on the effective integration of professional teaching and innovation and entrepreneurship education in the process of education, with the help of school-based advantageous resources, deeply develop the courses of professional innovation integration, and explore the innovation and entrepreneurship practice projects around the comprehensive development of students, Through the progressive way to strengthen students' innovative thinking, promote the development of their innovative ability, and ensure the improvement of students' multiple abilities.

Second, integrate into the curriculum to lay the foundation for achieving the goal. In the process of education, the main body of education should take the cultivation of practical ability, craftsman spirit, professional quality and other core abilities as the foothold of curriculum design and development; The main body of education deeply explores the indicators of innovation and entrepreneurship ability, integrates the connotation of the latest production technology, process and other elements into the professional teaching around the principle of "post analysis, task decomposition, and clear field of action", so as to form a hierarchical and progressive curriculum system of "general + excellent + excellent", and ensure that students continue to establish awareness in the learning of knowledge and skills, Realize the development of their own innovation and entrepreneurship ability.

4.2 Improve the construction mechanism of entrepreneurship and innovation mentors and establish a perfect mode of CO creation between teachers and students

According to the actual analysis, the strong ability of the teaching staff is an important support for the deep integration of professional teaching and innovation and entrepreneurship education in the development of higher vocational colleges, and it is also the internal demand to ensure the high-level and deep development of innovation and entrepreneurship education. Therefore, in order to further achieve the established educational objectives and promote the diversified development of talents, colleges and universities should actively establish a team of high-quality and strong skilled teachers majoring in Entrepreneurship and innovation, and start to establish a relatively perfect mode of CO creation and education between teachers and students. At this stage, many higher vocational colleges in China have established a

double innovation teaching team with the combination of inside and outside the school, full-time and part-time coexistence, and formulated a series of management regulations. In order to effectively promote the development of innovation and entrepreneurship education, schools need to further improve the construction scheme of teaching staff in combination with the needs of teachers' ability development. First of all, the school needs to effectively optimize the recruitment mechanism of school mentors according to its own development reality. For example, the school can employ enterprise project engineers, managers and relevant government personnel through vocational education groups and school enterprise cooperation, so that they can join the school's part-time entrepreneurship and innovation teacher team to explain professional development, policy background, enterprise operation, project implementation standards and other contents to students in teaching; Focusing on the improvement of teachers' comprehensive ability, the school can establish and improve the performance evaluation mechanism of teachers majoring in Entrepreneurship and innovation, so as to enhance the development power of teachers in the school and actively guide students of different majors to participate in various incubation and entrepreneurship projects. This way can form an effective mode of co creation between teachers and students, so as to realize the development of students' innovation ability and establish students' innovation consciousness.

4.3 Focus on the whole process of education and innovate the professional teaching carrier

From the perspective of whole process education, in order to ensure the effective integration of innovation and entrepreneurship education and professional teaching, the educational subject also needs innovative teaching carrier. Teachers form a government school enterprise linkage education mechanism in the new era by connecting industries, and schools can also actively build an innovation and entrepreneurship practice platform in the new era around the cultivation of students' creativity, innovation and entrepreneurship.

1. select targeted teaching methods to cultivate students' creative ability

In actual teaching, teachers can actively introduce real and classic practice projects of enterprises in combination with professional teaching objectives, and let students explore in groups through the way of question chain in teaching. In this process, students can actively communicate with other students and design practical schemes; Teachers use the case teaching method to let students understand the production process and standards, and ensure that the skills learned by students are connected with the real job; Teachers use the virtual simulation teaching method to guide students to solve practical problems with the knowledge they have learned, so as to strengthen students' practical ability, stimulate students' creativity and inspiration, and help their diversified and comprehensive development.

2. carry out practical teaching activities with the development of students' innovative ability as the core

First, schools and teachers should actively introduce school level, provincial and municipal level vocational skills competitions and Internet plus, Challenge Cup related innovation and entrepreneurship competitions, carry out effective theoretical and practical teaching activities around these competition standards, fully implement the mode of integrating teaching, innovation and practice in the process of education, and guide students from "combination of learning and doing" to "combination of learning and innovation", Strengthen its core competitiveness; Second, professional teachers and enterprise engineers jointly guide students to carry out project creation and graduation design, introduce real tasks in teaching, take innovation as the driving force, promote students to form good innovative thinking, improve their practical ability, and guide students to turn their creative major into product ability by creating a good teaching environment, integrating production and education, and combining enterprise evaluation, So as to improve students' innovative thinking and innovative ability.

4.4 Strengthen school enterprise cooperation and enrich the teaching content of innovation and Entrepreneurship

School enterprise cooperation is an important mechanism for cultivating high-quality and highly skilled talents, which also points out the direction for the development of innovation and entrepreneurship education in higher vocational colleges. Under the background of "made in China 2025", the number and scale of China's high-end manufacturing enterprises are gradually expanding, and many enterprises urgently need a large number of high-quality and highly skilled talents for development. Based on the background of this era, in order to continuously improve the core competitiveness of talents, higher vocational colleges can actively cooperate with local professional units according to their own reality. For example, schools and enterprises can further improve practical teaching projects and teaching programs to achieve the effective docking of industry and education; Enterprises can set up industry related topics in schools according to their own development needs, such as product optimization, prototype product design, etc., and provide enterprises with talents, funds and other support for schools to form an interactive innovation and entrepreneurship education system. This approach can further meet the needs of enterprise development, and ensure that students learn more knowledge and skills in a short time, so as to achieve the goal of win-win cooperation between schools and enterprises.

Conclusion:

In order to continue to promote the development of higher vocational education, the Ministry of education of China has issued the "on promoting innovation and Entrepreneurship with high quality"

The opinions of quantitative development on creating an upgraded version of "mass entrepreneurship and innovation" (GF [2018] No. 32) clearly pointed out that under the new education background, higher vocational colleges should take local economic development as the basic guidance in the development, actively build an upgraded version of the education system of mass entrepreneurship and innovation, and promote the efficient development of innovation and entrepreneurship education. In this context, China's Higher Vocational Colleges actively explore the path of education reform, and try to effectively integrate professional teaching and innovation and entrepreneurship education. However, there are still some restrictive factors in the process of practice, such as the limited ability of teachers' education, the imperfect teaching system, and the single mode of teacher education, which make it difficult to achieve the established education goals, and

students' comprehensive ability can not be improved, In view of this situation, higher vocational colleges need to explore the connotation of innovation and entrepreneurship education, and then implement effective teaching reform measures, so as to improve the quality of talent training.

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