

The Development Course and Future Prospect of Comprehensive Education of "Post Course Competition Certificate" in Higher Vocational Colleges

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Abstract: *"Post course competition certificate" comprehensive education is the key way to cultivate post education talents in China at present, and is an important measure to promote the high-quality development of higher vocational education. At the same time, it is also an important means for enterprises, industries, training and evaluation organizations and other people from all walks of life to actively carry out vocational education, bringing new directions for the development and reform and innovation of higher vocational colleges. This paper expounds the connotation of "post course competition certificate", analyzes its development process, and clearly puts forward the future development trend in view of the current problems in order to complete the comprehensive education and sustainable development of "post course competition certificate".*

Keywords: *Higher Vocational Colleges; Post Course Competition Certificate; Comprehensive Education; Development Process; Future Outlook*

1. Introduction

In 2021, the concept of "post course match certificate" comprehensive education was put forward for the first time at the national vocational education conferences. This model should focus on the supply and demand of outstanding talents, and complete a relatively high combination of professional talents, training, and provision. The integrated talent training of "post course match certificate" is an important direction of the reform and innovation of higher vocational education. It has important practical value for promoting the connection between the education chain and the industrial chain and improving the adaptability of higher vocational education.

2. The meaning of "post course competition certificate" in higher vocational colleges

"Post" refers to the post, "class" refers to the content of the education course, "competition" refers to the professional skills competition, "certificate" refers to the professional qualification certificate or skill grade certificate, and "integration" attaches importance to the interconnection and integration of the four. The integrated talent training program of "post course competition certificate" should be independent innovation based on the integration of "post course competition certificate" to enhance practice, innovation and entrepreneurship. The integration of "post, course, match and certificate" is a new way to deepen the integration of production and education, and an independent innovation to improve the adaptability of higher vocational education. The practice and thinking of the integrated talent training program of "post, course, match and certificate" can effectively complete the connection between positions and curriculum, match teaching content and vocational skill standards, and further promote the reform and innovation of "three education" to improve the quality of education[1].

3. Development history of comprehensive education of "post course competition certificate"

3.1. Development exploration stage (1991-2007)

3.1.1. Advocating the integration of industry and education, and encouraging enterprises to participate in the construction of vocational education

Vocational education has its own cross-border nature, and the integration of industry and education is the core content. In January 1991, the Ministry of Education of the People's Republic of China issued the Opinions on Strengthening the Work of General Higher Vocational Education, which emphasized that higher vocational colleges should strive for enterprises to participate in the talent training mechanism and carry out the demonstration points of education system reform. [2] In October of the same year, the Decision on Vigorously Developing Vocational and Technical Education also pointed out that various vocational schools should actively develop school-run industries and build production and manufacturing training bases, advocating the integration of production and education and the alternation of work and study. We should respond to the needs of the industry in terms of curriculum. The concept of integration of production and education was announced and clearly put forward, laying a good foundation for the next step of creating a contemporary vocational education management system and close integration of production and education.

3.1.2. The dual certificate system is clearly proposed, and the meaning of dual certificates is gradually established

The Vocational Education Law of the People's Republic of China, implemented in 1996, determines that vocational education should implement the system of academic credentials, learning and training certificates and vocational qualification certificates, which brings legal provisions for the "double certificates" system. The Labor Law also emphasizes that occupational standards should be formulated for required occupations and the system of vocational qualification certificates should be implemented. The Decision of the State Council on Vigorously Promoting the Reform and Development of Vocational Education emphasizes the improvement of the system of academic certificates, training certificates and vocational qualification certificates. It should be pointed out that in addition to academic certificates, the dual certificate system is generally believed to include post qualification certificates, training certificates, vocational qualification certificates, technical grade certificates, etc. In 2002, the Opinions on Further Promoting the Implementation of the Vocational Qualification Certificate System in Vocational Schools emphasized that the completion of the connection between the academic certificate and the professional and technical qualification certificate has determined that the dual certificates are the academic certificate and the vocational qualification certificate.

3.2. Promotion and expansion period (2008-2018)

3.2.1. Promoting teaching through competition and completing the integration of class and competition

The integration of courses and competitions began in June 2008 at the first professional skills competition of vocational colleges and universities across the country, thus creating a path for creative design and all-round promotion of the competition system. Since the successful launch of the competition, the coding sequence of the skills competition of the school, provincial and national competitions has gradually formed, covering the technical profession and screening at all levels, and a perfect competition system structure with various levels and standardized processes has been set up, forming a complete competition organization structure with comprehensive and classified management. The event setting of the competition faces key industries, solves the urgent shortage of the industrial chain, sets off the upgrading of the industrial structure, and inclines to new technology-based, emerging industries and new technologies. The Constitution of the National Vocational College Skills Competition clearly states that the design idea of the competition is closely around the professional teaching standards and the process, tasks and requirements in the real work, so as to promote teaching and reform through competition. The professional skills competition provides the correct guidance for vocational colleges to update, and upgrade and adjust their majors, in order to promote the discipline construction of higher vocational colleges, promote the deepening cooperation between industry and technology majors, enterprises and schools, and enable enterprises and vocational colleges in various industries to have a deeper two-way interaction.

3.2.2. Effectively promoting the implementation of the dual certificate system

Since the establishment of the vocational qualification certificate system, the country has established a series of policies to promote the current situation. In 2009, the Ministry of Education's Notice on Accelerating the Reform of Higher Vocational Education and Promoting the Employment of Graduates from Higher Vocational Colleges pointed out that higher vocational colleges should take obtaining the corresponding vocational qualification certificate as one of the conditions for students to graduate. In 2010, the State Council Order "National Medium and Long-term Talent Development Plan Outline (2010-2020)" mentioned the implementation of the "double certificate" system of graduation certificate and vocational qualification certificate in vocational education. In 2011, the Opinions on Giving Full Play to the Guiding Role of Industry and Promoting the Reform and Development of Vocational Education issued by the Ministry of Education of the People's Republic of China clearly proposed to promote the establishment and improvement of the "double certificate" system and complete the connection between graduation certificate and vocational qualification certificate. In 2017, the National Vocational Skills Standard was issued, and the list management of vocational qualification certificates was carried out.

3.3. Reform and innovation promotion period (since 2019)

3.3.1. Implementing the "1X" certificate system, and the standard of post and class competition certificate accommodation is gradually mature

With the country's efforts to improve the quality of vocational education to promote social and economic development, the National Vocational Education Reform Implementation Plan granted by the State Council in 2019 clearly proposes to pilot the "1X" certificate system of running diploma certificates and multiple vocational skill level certificates. In April of the same year, in the notice on the pilot work plan of the system jointly issued by the Ministry of Education and other four departments, it was clear that the "1X" certificate system was officially implemented and immediately promoted. Both the "1 X" certificate system and the double certificate system pay attention to taking the diploma certificate as the carrier to enhance the affirmation of the vocational skill level of the relevant posts, but the vocational qualification certificate of the "1 X" certificate system is an appraisal examination based on the vocational skill requirements formulated by the state, and is the qualification certificate for job application and industry access. The vocational skill level certificate of the "1 X" certificate system is the knowledge learned by students in carrying out the common work objectives required by a certain occupation after learning the professional skills and quality courses, obtain the credentials that reflect the comprehensive quality of post activities and highlight the ability level. The "1X" certificate system has achieved the separation between diploma and work certificate. It is an important independent innovation to build and optimize the modern vocational education system and carry out the development of vocational education.

3.3.2. Different types of accommodation modes are produced under the comprehensive education mechanism of "post class competition certificate"

In October 2021, the Opinions on Promoting the High-quality Development of Modern Vocational Education pointed out that the comprehensive education system of "post course competition certificate" should be improved, and the curriculum content should be designed and developed according to the specific production and post-requirements to improve students' practical skills. It can be seen that the integration of "post course competition certificate" and comprehensive education system has become an important way to promote the reform of education system, improve the talent training mode and improve the adaptability of higher vocational education. Higher vocational colleges actively promote practical research, and produce different types of talent training programs for the integration of "post course competition certificate".

4. Future development trend of comprehensive education of "post course competition certificate"

4.1. Changing from single to element

"Post" reflects the post requirements, and professional ethics, experience and strength are the core content of the post; "Class" is the key medium for talent cultivation, and its goal is students. Therefore, the course content should be student-centered to promote knowledge learning and skill mastery. The "competition" reflects the level of professional competence, its construction is based on the application

of new technologies in the industrial chain, and the demand of new technologies for new students, with skills.[3]"Certificate" refers to the professional qualification certificate or professional skill level, both of which reflect the level of knowledge and skills used by employees to meet the needs of the position. Due to the different ideas and overall objectives of the post-course competition certificate, it is also difficult to integrate the post-course competition certificate. At the same time, the "post-course competition certificate" integration means that a large number of modular design capabilities of the post and processing process should be integrated into the learning environment. The completion of the "learning field" and "production and manufacturing field" two places one also faces a severe test on the quality of classroom teaching places, teachers and other quality. In the specific classroom teaching, it is easy to place one-sided emphasis in the "post course competition certificate" accommodation link. For example, some colleges and universities carry out courses completely and tightly around the vocational skill level, and pay too much attention to the success rate of qualification certificates; Some of them focus on the learning and training of the new competition items, favor the competition with high gold content, and ignore the students' own needs. This simple and cumulative processing method of "post class competition certificate" greatly reduces the enthusiasm of students, but also increases the pressure of the course industry, which cannot achieve the effect of comprehensive education.

4.2. Changing from results-oriented to multi-dimensional and hierarchical

At the present stage, the "post course competition certificate" accommodation has formed different types of dualistic (post course) accommodation and ternary (post course competition, post course certificate) accommodation in the implementation of classroom teaching, but the actual effect evaluation is still "result oriented", which is reflected in the evaluation of "class" to get rid of "post", focus on professional theoretical knowledge and professional skills, and ignore the evaluation of situational skills at work. On the contrary, the honor brought by the "competition" has limited the teaching content at the present stage. The "certificate" examination has pushed higher vocational colleges into the dilemma of not teaching and not learning. Such evaluation methods that only focus on "conclusion derivation" violate the law of education and are not conducive to the cultivation of high-quality skilled talents. The comprehensive education of "post course competition certificate" is a social talent training program that integrates the industrial chain, post, culture and education and other factors. The evaluation should be carried out in different levels and dimensions from the object and dimension. In terms of evaluation objectives, according to different enrollment numbers, teaching objectives, self-study ability and other specific conditions, personalized teaching and precise strategies are selected to complete the organic combination of learning content and new technology application, so as to ensure that everyone can become a talent and everyone can show their talents. In terms of evaluation dimension, build the evaluation management system of the whole process before, during and after the implementation of the curriculum content. Before the implementation of the curriculum content, we should pay attention to the diagnostic evaluation of the talent training mechanism, the new curriculum standards, etc., to ensure the relatively high connection of the "post course competition certificate".

5. Conclusion

To sum up, after years of exploration, China has achieved preliminary results in the "post course competition certificate" of higher vocational education, and there is still a long way to go in the future. Higher vocational colleges should take the "post course competition certificate" as a breakthrough to further promote the reform and innovation of talent training, independently innovate the comprehensive education mode, and improve the adaptability of higher vocational education and the competitiveness of students in job hunting, in order to expand the innovation and entrepreneurship education channels, and cultivate more outstanding skilled talents and high-quality talents for the development of industry and local economy.

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