The Meaning and Approach of the "Production and Studying" Cooperation Education Road of Higher Vocational Colleges

Ping ZENG*

Foreign Languages and International Trade Department, Wuhan Polytechnic, Wuhan 430074, China

*Corresponding author

Keywords: "Production and studying" cooperation education, School characteristics, Practice base, Joint school, Diverse talents.

Abstract. This paper describes the meaning and approach of "production and studying" cooperation education in higher vocational colleges. The meaning of "production and studying" cooperation education in higher vocational colleges includes: "production and studying" cooperation education is beneficial to the realization of the target of higher vocational education. "Production and studying" cooperation education is conducive to enhancing the employability of higher vocational students. "Production and studying" cooperation education helps to improve the conditions of college education; "Production and studying" cooperation education helps to form the characteristics of higher vocational colleges. "Production and studying" cooperation education mainly includes: establishing the training center in the university; Creating a "production and studying" cooperation education environment; Relying on a strong professional teaching factory; Establishing an after-school training base; Realizing school-enterprise joint running.

The Meaning of the Road of "Production and Studying" Cooperation Education in Higher Vocational Colleges

The significance of "production and studying" cooperation education in higher vocational colleges mainly includes the following points.

"Production and Studying" Cooperation Education is Beneficial to the Implementation of Education Personnel Training Target

The training goal of education in higher vocational colleges is to produce, service and manage the first-line technology applied talents, and pay attention to the cultivation of students' practical ability. And "production and studying" cooperation education needs to make full use of different education resources and education environment. Training is suitable for industry; enterprises need applied talents as the main purpose of the teaching mode. It utilizes the advantages of enterprises and schools to realize the combination of theory and practice. On the one hand, the school provides technical support for enterprises. On the other hand, enterprises provide practical places for schools, so that students can cooperate with enterprises and apply their knowledge to production and engineering practice. So, "production and studying" cooperation education mode, in talents training ways and methods consistent with the talents training goal of higher vocational education, is to realize the training goal in effective way.

"Production and Studying" Cooperation Education is Conducive to the Formation of Diverse Talents and Enhancing the Employability of Students in Higher Vocational Colleges

At present, higher vocational college students’ difficulty in getting employments is a prominent problem. This is not because there are excess talents, but because the talents cultivated by our country's higher vocational education do not meet the social demands. Only when higher vocational colleges and universities cooperate to strengthen communication between and communication with enterprises, can they alleviate this contradiction, cultivate diverse talents and improve students' employability. This is because:
(1) "Production and studying" cooperation education, can make the school starting from the actual demand of service industry, industry, in a timely manner to understand the change of the social demand for talents of specification and quantity, at any time in accordance with the industry's latest requirements, the setting of subjects and majors adjusted, close to overcome phenomenon, to cultivate applied talents that can truly meet the demands of the enterprises and technology.

(2) "Production and studying" cooperation education is beneficial to improve students' comprehensive quality and professional quality. This is because in the simple classroom education mode, the students are difficult to feel the pressure of competition, to experience less than professional post technical requirements and professional responsibility, and through the combination between production way, really into the enterprise interior, as it were, will be real realized the importance of professional skills and literacy, change passive to active learning in school.

(3) "Production and studying" cooperation education is beneficial to strengthen the interconnection between schools and enterprises, and open the door for students' employment. To implement the school-enterprise cooperation, enterprises, as one of the main body of the school, can choose graduates and open up new avenues for students' employment.

"Production and Studying" Cooperation Education will Help Improve the Condition of Running a School in Higher Vocational Colleges

Due to lack of funds, higher vocational colleges tend to be stretched in teaching facilities and experimental facilities, especially in the construction of internship areas, and the lack of these running hardware will inevitably affect the quality of running schools. With "production and studying" cooperation education, the school can improve the teaching conditions by means of the ready-made experimental equipment and professional training base provided by the enterprise. On the construction of teachers at the same time, "production and studying" cooperation education can also fill in higher vocational colleges "dual-teachers" strength reserve, provide teacher training base for teachers' ability training, which guarantees the improvement of teaching quality and teaching level.

Realizing "Production and Studying" Cooperation Education is Beneficial to the Formation of Education Running Characteristics of Higher Vocational Colleges

As an important part of education of China, education of higher vocational college is an important reason for its lack of competitiveness compared with the normal higher education. Higher vocational colleges can make more efforts in applied research and technology development according to their own characteristics and advantages. Supported by enterprise, on the one hand, through the professional advantage to organize teachers, students applied technology research and development, enterprise economic activities, the school can promote new scientific and technological achievements, to make them as soon as possible into realistic productivity; On the other hand, through the industry professional, in turn, the school can promote the development of modernization process, provide the school-running level and efficiency, realize the professional construction and industrial development, the benign interaction of practice base construction. And this form will differentiate it from the traditional higher education colleges.

The Main Approach of "Production and Studying" Cooperation Education for Higher Vocational Colleges and Universities

There are several main ways to realize the "production and studying" cooperation education model in higher vocational colleges:

Establish a Training Center in the Campus to Create a Combination Environment

This refers to the fact that vocational colleges and universities have established some training rooms that are close to or even exceed the industry level through computer aided teaching methods and funds. These simulation systems can not only carry out skills training, but also help design practical
training programs according to industry requirements, so that students can experience and understand the process of modernization and production. Students can get real professional training in the laboratory environment, and get more qualified for the job after graduation.

**Higher Vocational Colleges Can Rely on the Strength of Their Own Teaching Factories to Meet Local Economic Development Needs**

Higher vocational colleges in the industry, relying on professional can make full use of the professional advantages, advantage of having talent and intellectual superiority, establishing school-run factories, the production management system in the same unity cooperation, thus forming the integration of production factory of teaching. On the one hand, teachers can carry out teaching around the products of factory body, so that students can directly participate in the design, development and production of products. On the other hand, it brings economic income to schools, and slows down the conflict of funds.

**Establish Training Base outside the School**

This is one of the most important ways of "production and studying" cooperation education, which is also an important way to cultivate and improve students' technical application ability. Through the cooperation between the school and the enterprise, the company employs the engineering staff of the enterprise to serve as the training guidance, and the enterprise provides some jobs for the students, so that the students can receive real vocational training during the school years.

**The School and the Enterprise Cooperate to Set up Joint School**

It is an important trend of the development of modern education, which is the inevitable result of the expansion of higher vocational colleges. Combination education refers to the school and industry department in the school of organization and leadership, fund input, school construction, management, operation and so on. It is the mode of development and improvement for higher vocational education. To jointly run schools, on the one hand, schools can improve the conditions of running schools by means of enterprise funds; On the other hand, enterprises use the advantage of talents and intelligence to improve the competitive ability of enterprises in the market so as to realize mutual complementarities and mutual benefit.

**Summary**

The higher vocational colleges are different from the ordinary ones, because the higher vocational colleges cultivate the technical application talents for the first line of production, service and management. Higher vocational colleges should be in close contact with enterprises and take the combination of production and studying. Cooperation with enterprises is also a way to cultivate the technical application-oriented talents oriented to production, service and management.

**References**

[1] Lan-min Liu. Higher vocational technology education should take the road of characteristic development. Vocational and Technical Education. 2000(9).

[2] Lan-min Liu. Research on the characteristics of education education in higher vocational colleges. Huazhong University of Science and Technology press. 2004(4).

[3] Min-lun Wang. Production, education, research combined. The ideal choice of higher education running mode. Journal of Henan Vocation-Technical Teachers College. 2001(6).

[4] Zhi-min Liu, Bin Wu. The study on the mechanism of the cultivation of talents in the cooperation of enterprises in the production and learning, based on the analysis of new institutional economics. Higher Education Exploration. 2013(5).

[5] Ge Li. Study on the research and analysis of corporate cooperation based on enterprise perspective. Journal of Heilongjiang College of Education. 2014(8).