

# A Study on the Long term Mechanism of the Integrated Teaching Model of Industry and Education in Higher Vocational Colleges

Guoli Zhou

Shanghai Tiankun International Education Group, shanghai 200439

**Abstract:** With the development of the current education system, vocational colleges are increasingly emphasizing the connection with cooperative enterprises. As the most effective teaching method, the integration of industry and education can expand students' employment space, reduce employment difficulties, and alleviate the employment pressure of vocational students. Vocational colleges need to construct teaching models based on the integration of industry and education from a long-term perspective to ensure teaching effectiveness and achieve the goal of vocational education for talent cultivation. Therefore, it is necessary for universities to strengthen the research and implementation of the long-term mechanism of the integrated teaching model of industry and education.

**Keywords:** vocational colleges; Integration of industry and education; long-term mechanism

Vocational education is committed to cultivating students into specialized vocational skills talents needed for social development, and the employment direction of vocational students is very clear. At present, most vocational colleges in China adopt a two year practical training course and theoretical course plus one year internship activity model, which is the "2+1" model. It is difficult for students to fully guarantee the actual effect of internships in such a mode. In this regard, universities need to strengthen research on long-term mechanisms based on the existing education system and models, actively carry out integrated teaching of industry and education, in order to ensure the long-term and sustainable development of vocational education and teaching.

## 1. The important value of establishing a long-term mechanism

In a sense, there are both connections and differences between long-term mechanisms and institutions. The two are not equal, and institutions are an external manifestation of long-term mechanisms, which will continuously enrich, develop, and improve over time and under changing conditions. Establishing a comprehensive and effective long-term mechanism under the integrated teaching mode of industry and education in vocational colleges can connect colleges and enterprises for a long time, and ensure that the chain of industry and education integration is always maintained in a highly stable state within limited teaching time. Due to the need for vocational colleges to meet the social demand for efficient and long-term talent cultivation mechanisms, building a long-term mechanism under the integrated teaching model of industry and education can help colleges achieve long-term stable development.

In addition, to achieve the integration of industry and education, it is necessary to improve and optimize the current teaching structure of vocational colleges, which can promote the development of educational reform in colleges. At the same time, under the mode of integration of production and teaching, teachers who only pay attention to theoretical courses in the teaching process can be transformed and upgraded, so as to realize the overall improvement of teaching resources in higher vocational colleges. In addition, the establishment of a long-term mechanism for the integration of industry and education will not only be reflected in school education, but also in enterprises. By implementing custody training, the optimization and upgrading of enterprise industries can be accelerated, meeting the needs of enterprises for high-quality talents. It can be seen that the implementation of the integrated teaching model of industry and education provides more possibilities for enterprises to improve their talent resource levels, and is conducive to accelerating the transformation and upgrading of industrial and training oriented talent organizations in China.

## 2. How to establish a long-term mechanism under the integrated teaching mode of industry and education

In the current integrated teaching model of industry and education, due to the insufficient attention paid by vocational colleges, cooperative enterprises, and local governments to the setting of the integrated teaching model, the long-term system is not perfect, and unstable factors are prone to occur in the cooperation process between schools and enterprises. In addition, universities are too conservative in setting the teaching model and do not fully understand the integration of industry and education, Resulting in the inability to form a long-term mechanism for the integration of industry and education in a true sense. To change this situation, we need to pay attention to the research of long-term mechanism under the mode of integration of industry and education. The specific strategy is as follows:

### 2.1 From the perspective of national institutional policies

The country should regard school enterprise cooperation and the combination of engineering and learning as key points of talent cultivation in higher vocational education, provide greater support for the integration of industry and education in higher vocational colleges, and introduce multiple education policies to provide a sound support system for the establishment of long-term mechanisms. Firstly, the state should establish a guarantee system for vocational colleges and cooperative enterprises from a legal perspective, which can be jointly established by legal commissioners within the school and the enterprise, or assisted by third-party legal consulting institutions after mutual consultation. The purpose of this is not only to ensure that the established system has certain legal effect, but also to play the absolute advantage of the teaching mode protection system on the basis of ensuring the full participation of both the school and the enterprise.

Secondly, in order to improve the long-term mechanism, the organizational structure of the institution should strengthen the connection with the school, and in the process of establishing the connection, apply for professional institutions for industry education integration and local governments to provide basic services such as guidance and inquiry, ensuring that every teaching method used by the school in the process of setting and implementing teaching models belongs to a reasonable and legal category. Finally, in order to fully implement the construction of a long-term mechanism, the country should provide a comprehensive protection system for the implementation of the long-term mechanism of the integrated teaching model of industry and education as soon as possible. In addition, the higher education management department can conduct actual supervision of teaching resources to ensure the implementation effect of the teaching model, and ensure that the implementation of each link in the integrated teaching model is supported by relevant supporting policies and systems□

## 2.2 At the school level

### 1. Build a school running model that aligns with the values of industry education integration

As an important teaching structure for talent cultivation, the construction of vocational colleges' educational models needs to be aligned with the values and themes of integration of industry and education, in order to effectively achieve the construction of a long-term mechanism. Specifically, first, on-site training. The school based practical training mode should focus on cultivating students' strong practical abilities, and gradually improve the school based practical training bases and resources, so that they can access and use some practical tools based on the optimal application of enterprises. Secondly, integrating teaching and research. Compared with practical teaching, the integrated teaching and research model is not proactive, but conducting professional research on campus can effectively avoid students from having more erroneous thinking in the process of independent research and development, and thus cultivate them into truly capable researchers. Thirdly, dual certificate education. The ultimate goal of applying the integrated teaching model of industry and education in vocational colleges is to help students achieve efficient employment. In the current job market, there are not only requirements for vocational students' college education, but also certain requirements for whether they have passed professional qualification exams and obtained employment certificates during their school years. The dual certificate education model has taken into account the job requirements of the job market for students from the beginning, and has included professional qualification examination content in the teaching model. This can reduce the amount of time and energy that students need to spend on independent certification. Fourthly, school enterprise cooperation. In recent years, school enterprise cooperation has become the most commonly used teaching mode in various vocational colleges, and the application of this mode has greatly promoted the improvement of teaching effectiveness. The advantage of enterprises is that they can quickly and accurately capture the latest positioning of the industry; Colleges and universities adjust their teaching models according to the requirements of enterprises, making the trained talents more aligned with the direction of direct employment, truly achieving a good construction of the integrated teaching model of industry and education from a "long-term" perspective.

### 2. Establish comprehensive and meticulous teaching content

The focus of the integrated teaching mode of production and education in vocational colleges lies in "long-term effectiveness", therefore, the setting of the teaching mode should revolve around the word "long-term effectiveness" and be analyzed. Firstly, the long-term effectiveness of the course content. Based on the integration of industry and education, the curriculum content needs to be set up. The school needs to take the specific content of enterprise positions for talent cultivation as an important reference, and have a deep understanding of the latest developments in the academic field of this major. After discovering that the course content has been updated and optimized, it is necessary to promptly improve the campus course content in order to ensure the long-term availability of the course content. Secondly, the long-term effectiveness of professional direction. If the professional courses set by the school have obvious practical orientation, it is necessary to predict the comprehensive market situation and future employment trends of the major in advance. After pre judgment, the professional teaching mode should also be set with emphasis on effectiveness and meticulousness. Among them, effectiveness represents the ability to readjust and set up courses based on professional market conditions, while meticulousness requires that the setting of professional courses must have certain practical characteristics. For specific activity areas with certain difficulties in a practical course, it is recommended to use the method of course extraction as much as possible to help students improve their experience accumulation in the teaching process, so as to fully leverage the guiding role of long-term professional setting. Finally, the long-term effectiveness of the curriculum structure. The curriculum structure chosen by vocational colleges should consider that long-term effectiveness is the fundamental factor in increasing professional training efforts, and adjust the curriculum structure of the "2+1" model. For example, it is possible to condense theoretical teaching hours and add some in school practical training hours. On the surface, the application of this method may seem to compress students' time for learning theoretical knowledge, but in reality, universities can not only enhance students' sense of identification and familiarity with off campus practical training, but also make their theoretical knowledge more solid, thereby achieving the cultivation of students' long-term abilities on the basis of increasing practical training time.

### 3. Timely optimize and update teacher resources

The teacher resources in vocational colleges are mostly in line with the professional allocation items, which leads to insufficient flexibility in teacher resource allocation. Due to the fact that most schools are very confident in the qualifications of experienced teachers and do not provide specialized training for their abilities, many teachers themselves do not have the awareness of independently improving their teaching abilities. In view of this, vocational colleges need to ensure the long-term effectiveness of their teaching mechanisms, which can be achieved through two-level optimization and updating, and to ensure the high-quality teaching team. Specifically, firstly, optimize and update teacher resources in a timely manner during school training. Schools can subdivide various majors, organize teachers to participate in specialized training activities, or work with cooperative enterprises to jointly develop training plans, and regularly organize practical

teaching teachers to enter the enterprise for inspection and learning, in order to intuitively understand the operation mode and professional practice form of the enterprise. Secondly, schools should optimize and update talent recruitment channels, raise recruitment thresholds, and introduce more outstanding teaching talents to ensure the practical application value of the integrated teaching model within the school. Finally, schools need to maintain continuous communication with the outside world and understand that maintaining updates is the only stable condition that can form a long-term mechanism, in order to ensure that teaching resources on campus always remain at the top of the industry.

### 2.3 From a corporate perspective

Enterprises should improve their understanding of the long-term mechanism to realize the construction of the integration mode of production and education. On the one hand, it is necessary to increase publicity efforts. Governments at all levels, education departments, and industry enterprise associations have increased their efforts to promote the long-term mechanism of industry education integration, making enterprises aware of the important role it plays in improving talent cultivation efficiency and regional economic development. The implementation of the integrated teaching model of industry and education in vocational colleges is not only conducive to the development of the colleges and students themselves, but also very helpful for the development of enterprises. On the other hand, strengthen government coordination and increase preferential policies. The government should fully leverage its role in guiding, coordinating, and supervising the construction of a long-term mechanism for the integration of industry and education, utilizing economic, legal, and administrative means to maintain relationships among all parties, clarifying their rights, obligations, and responsibilities, and safeguarding the practical interests of enterprises. At the same time, appropriate preferential policies should be provided to enterprises participating in the integration of industry and education, such as financial subsidies, tax reductions, etc., in order to encourage more enterprises to actively participate in the construction of long-term mechanisms.

## Conclusion

Through the research and analysis of the long-term mechanism of the integrated teaching model of industry and education in vocational colleges, it is not difficult to find that in order to achieve the construction of this teaching model and fully demonstrate the role of the long-term mechanism, it is possible to establish a sound support system, construct a school running model that is in line with the main theme of the integrated values of industry and education, establish comprehensive and detailed teaching content, and timely optimize and update teacher resources, Enhance the understanding of enterprises on the integration of industry and education, and through continuous practice, comprehensively improve the teaching mode, break the inherent teaching mode, and achieve a long-term mechanism with true significance of industry and education integration teaching.

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