

## **The Multidisciplinary Linkage Training Mode for Innovative Talents in Logistics Packaging in Higher Vocational Colleges**

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**Keywords:** Higher vocational colleges; Logistics packaging; Innovative talents; Multiple linkage training mode

**Abstract:** The rapid development of the social economy has further consolidated and consolidated the important position of the logistics industry in the overall national economic system, making the demand for outstanding logistics packaging talents increasingly increasing. In order to better achieve the goal of sustainable development of the logistics industry, the focus of industry development should be placed on the training process of logistics packaging innovative talents in vocational colleges. Based on this, this article combines the needs of innovative logistics packaging, and explores the multi-party linkage training mode for innovative logistics packaging talents, with a view to providing assistance to relevant logistics packaging professional teachers.

### **1. Introduction**

At present, the total amount of human resources in China's scientific research field is leading the world, but the comprehensive innovation index of talents is not high. For the logistics packaging profession, its role in various fields is more significant. Therefore, higher vocational colleges need to focus their current attention on cultivating excellent logistics packaging talents with innovative spirit. Higher vocational colleges should recognize the existing problems in the training mode of logistics talents, combine with the current development trend of China's logistics industry, and continuously optimize the training mode of logistics talents to ensure that students majoring in logistics packaging can better adapt to future job demands.

### **2. The Importance of Training Innovative Talents in Logistics Packaging in Higher Vocational Education**

Currently, the socialist market economy is showing a new normal development trend, with increasing competition pressure in various fields, and innovative talents becoming an important competitive target. For the logistics packaging profession, talent is an important factor determining the lifeblood of business operations, and the lack of outstanding talent is extremely easy to be eliminated by the market. It can be seen that the training of logistics packaging talents in vocational colleges is of great significance to the development trend and development trend of the logistics industry.

Innovative talents in logistics packaging need to have a certain degree of innovation awareness and ability, and can help enterprises find a more effective development path in their inherent production and business model. At this stage, innovation ability has become an important indicator of talent evaluation. In order to effectively improve the comprehensive quality of students majoring in logistics packaging in vocational colleges, and make them become innovative talents to meet the development needs of the logistics industry, it is bound to become one of the important research topics in vocational colleges.

The logistics industry mainly integrates materials, personnel, and information technology to provide services for goods procurement, warehousing, transportation, and other links (Figure 1). With the increasingly significant trend of the internationalization of the logistics market economy, in order to supply more professional talents to the logistics industry, relevant teaching staff need to continuously optimize the existing teaching content and methods of logistics packaging. Compared

with other developed countries, China's logistics packaging professional education is still in its infancy, with less practical teaching experience accumulated. In order to fundamentally improve the level of logistics education, it is necessary to actively introduce advanced innovative logistics management experience and further optimize the training mode of logistics packaging talents.



Figure 1 Schematic diagram of various links in the logistics industry

### 3. Multidisciplinary Linkage Training Mode for Innovative Talents in Logistics Packaging in Higher Vocational Education

#### 3.1. Schools Aspects

On the one hand, within the school. As a new field of management science development, the logistics packaging profession has the characteristics of rapid innovation and strong operability. In logistics packaging activities, it also emphasizes the importance of cooperative communication, innovative management, and practical skills. The teaching idea of “emphasizing theory but neglecting practice” in higher vocational colleges cannot meet the requirements of modern society for logistics talents. The construction and development of logistics specialty requires strengthening teaching practice and improving teaching quality to achieve the goal of cultivating high-quality talents. Higher vocational colleges should treat the teaching priorities of different periods differently. Junior students should attach importance to the teaching of theory and practice, with both hands firmly attached. In class, case teaching and practical teaching should be conducted more frequently, and after class, lectures and external communication activities should be conducted more frequently. The organic combination of “please in” and “go out” should enrich the teaching content, activate the teaching atmosphere, expand students’ horizons, and increase the information they are exposed to, laying a foundation for cultivating complex logistics packaging talents. Senior students should pay attention to the characteristics and practicality of the curriculum, highlight the characteristics of the discipline, optimize the content structure, and enhance the core competitiveness of students. Higher vocational colleges in various regions have different styles and characteristics. Curriculum settings should adhere to the characteristics of higher vocational colleges, and curriculum practice should highlight industry characteristics. Only in this way can students be more targeted and effective in employment. Each higher vocational college should also focus on cultivating a “double qualified” logistics teaching team, encourage teachers to go deep into the enterprise, feel the development and changes of the industry, learn cutting-edge technology in the field, and improve the comprehensive strength of the teaching staff. In terms of interdisciplinary construction, students should be encouraged to broaden their horizons and not only focus on their own majors. In the process of interdisciplinary communication and integration, it is not difficult to find that various disciplines differ in theoretical knowledge, but their research methods are interlinked. The interdisciplinary construction under the linkage system is conducive to cultivating students’ innovative thinking, optimizing their knowledge structure, and improving their comprehensive abilities. When necessary, establish an interdisciplinary scientific research platform, establish interdisciplinary innovation centers and interdisciplinary laboratories, and promote the development of logistics disciplines and innovative talent cultivation models for logistics packaging by integrating disciplines and driving local areas as a whole. For example, Zhengzhou Airport is booming, and the port area has played a significant role in the development of local enterprises and the logistics industry, which is bound to trigger a new round of selection of logistics talents for enterprises. Most vocational colleges in Henan Province have logistics majors. How to form unique teaching features to avoid homogenization of teaching, and how to cultivate high-quality, capable,

and wide-caliber logistics packaging talents to enhance employment competitiveness also require vocational colleges to adapt to the needs of the school and create interdisciplinary science and innovation.

On the other hand, between schools. There are numerous higher vocational colleges in China, with different advantageous resources and distinctive disciplines. Fostering talents in a multi-disciplinary approach is conducive to achieving communication and cooperation between higher vocational colleges, making full use of talent and technological resources, and achieving innovative development in disciplines. The discipline construction of logistics packaging specialty in higher vocational colleges is still in the exploration stage. How to cultivate high-quality, capable, and distinctive logistics packaging innovative talents is still the focus of attention in various higher vocational colleges. Building a discipline exchange platform for logistics packaging specialty has practical significance for optimizing and upgrading teaching. In terms of talent cultivation, higher vocational colleges can establish a system of mutual recognition of credits, mutual assignment of students, and mutual selection of courses, and develop logistics teaching network courses. In terms of teaching staff, higher vocational colleges can carry out activities such as mutual employment of tutors, mutual assignment of teachers for further education, and mutual employment of part-time professors, encouraging excellent teachers to cooperate with each other and forming regional innovation teams. In terms of scientific research activities, higher vocational colleges can work together to build key laboratories and solve difficult and key issues in teaching and research. At the same time, the education authorities should actively formulate relevant policies, increase incentives for teachers' further education, strengthen financial support for discipline exchange and integration, and guide the gradual linkage of higher vocational colleges, especially the exchange and cooperation between different fields and different levels of higher vocational colleges. The linkage training of logistics packaging innovative talents in higher vocational colleges should take the form of cooperation and communication, with the goal of common development as the interaction, in order to effectively strengthen the relationship between the main bodies of various higher vocational colleges. The construction of a logistics packaging discipline exchange platform provides an opportunity for vocational colleges to learn from each other and lays a foundation for exchanges and cooperation between vocational colleges.

### **3.2. Corporate Aspects**

The linkage between schools and enterprises is an important trend in the reform of higher education in China, and has been attracting attention from all parties. Higher vocational colleges serve the society and provide talents for the development of enterprises. Enterprises promote technology and provide impetus for economic development. Higher vocational colleges conduct talent cultivation according to their own training plans, targeting a certain industry or region. The main goal of cultivating innovative logistics packaging talents in higher vocational colleges is to serve the local economic development, accelerate the optimization and upgrading of the local logistics industry, and improve the operational efficiency of enterprise logistics. The cultivation of talents is long-term and cyclical. The formation of innovative talents requires higher vocational colleges to continuously explore and accumulate experience in practice. In contrast, the development of enterprises needs to keep pace with the times. In various fields and departments, new technologies and methods are generated every day. Once there is a lack of smooth information exchange between higher vocational colleges and enterprises, it will indirectly form the inapplicability of talent cultivation, and students often cannot use what they have learned and truly adapt to the needs of enterprise development. Internationally, Germany's "Dual System" model and Japan's "Industry School Official Cooperation" model have provided valuable experience for China's higher vocational colleges. Combining the teaching characteristics of logistics packaging specialty in higher vocational colleges, higher vocational colleges should adhere to selecting cooperative enterprises with goals and priorities, such as the linkage between agricultural and forestry universities and agriculture-related enterprises, the linkage between science and engineering universities and mechanical and energy enterprises, and the linkage between

transportation universities and transportation enterprises, striving to achieve a seamless connection between higher vocational colleges and industries and enterprises, and giving full play to the resource advantages of higher vocational colleges. At the same time, higher vocational colleges should deepen their communication with enterprises to avoid the lack of necessary trust and the distribution of relevant benefits, resulting in the suspension of school-enterprise cooperation on paper. In the form of school-enterprise linkage, cooperative enterprises are supported to directly build technology research and development centers within higher vocational colleges, accelerating the upgrading of science and technology, providing a platform for the promotion of new technologies, and providing a scientific research platform for students in higher vocational colleges to sublimate theoretical knowledge into practical experience.

### **3.3. Social Aspects**

First, the government. The linkage cultivation of innovative talents in logistics packaging specialty in higher vocational colleges cannot be separated from the support of government supporting policies and related services. Experience has taught us that implementing team collaboration requires the government to play a guiding role and carry out systematic reforms in the science and technology system, education system, personnel system, and other aspects. As an important component of the national economy, vigorously developing the logistics industry and optimizing the construction of innovative talent teams for logistics professional packaging plays a crucial role in the development of the logistics industry. The government should implement macro control and encourage the development of logistics packaging disciplines and the construction of logistics packaging innovation platforms in vocational colleges through policy and financial support. Select enterprise representatives for school-enterprise cooperation, provide corresponding preferential policies, and stimulate the enthusiasm of enterprise cooperation. Increasing policy and financial support for the cultivation of innovative talents in logistics packaging majors in higher vocational colleges is conducive to promoting the transformation of scientific and technological productivity and making due contributions to local economic development.

Second, third party subjects. At present, in combination with the work related to the multi-party collaborative training mode for logistics packaging innovative talents in higher vocational colleges, in the later stage of the process, it is also necessary for the government and third-party entities to conduct scientific evaluation of the innovation activities and collaborative benefits in each link, and establish an effective evaluation and supervision system. Most collaborative training models for logistics packaging innovative talents in higher vocational colleges implement self supervision, which lacks a certain degree of scientificity and cannot effectively stimulate the development of collaborative innovation activities. Therefore, it is necessary to establish a relatively complete evaluation and supervision system, analyze and summarize the experience and shortcomings of the collaborative training model, in order to ensure the vitality of the collaborative training model.

## **4. Conclusion**

The multi-party collaborative cultivation of logistics packaging innovative talents in higher vocational colleges is aimed at promoting social and economic development, with the direction of reforming the talent cultivation methods in higher education. It cannot be separated from the reform and innovation of colleges and universities, the support and guarantee of the government, and the cooperation and cooperation of enterprises. The multi-party collaborative training mode for logistics packaging innovative talents in higher vocational colleges can truly realize the practical significance of collaborative innovation for talent cultivation only if a “three carriages” with universities as the core, government as the guidance, and enterprises as the assistance are formed to advance side by side.

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