



Research on the Construction Path of Professional Dynamic Adjustment Mechanism in Higher Vocational College

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Abstract. The transformation and upgrading of industry puts forward new requirements for the cultivation of technical and skilled talents in higher vocational colleges. The specialty setting and adjustment of higher vocational colleges should not only serve the development of regional industrial structure, but also the endogenous driving force of their own development. Therefore, it is an inevitable choice for higher vocational colleges to explore and establish a professional dynamic adjustment mechanism with the contents of professional adjustment research guidance mechanism, professional adjustment evaluation and early warning mechanism and professional adjustment decision-making supervision mechanism, so as to further improve the adaptability between specialty and industry.

Keywords: Higher Vocational Colleges · Professional construction · Professional dynamic adjustment mechanism

1 Introduction

With the introduction of “National vocational education reform implementation plan”, “Opinions on the construction plan of high-level vocational schools and specialty with Chinese characteristics” and “Action Plan to Improve the Quality of Vocational Education (2020–2023)”, Vocational education has entered a new stage. Against the background of “Made in China 2025”, “the Belt and Road” and “Healthy China 2035”, the transformation and upgrading of industries and the continuous adjustment of economic structure make human resources the key to development. As a type of education closely related to economic and social development, higher vocational education needs to constantly adjust its professional structure to meet the needs of industrial structure

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transformation and upgrading. How to promote the all-round integration of the structural elements of the supply side and the industrial demand side in talent training, train a large number of high-quality composite innovative talents and technical talents, and improve the industrial service ability has become an urgent problem to be solved for Higher Vocational Colleges.

2 Significance of Dynamic Adjustment of Specialty in Higher Vocational Colleges

2.1 The Inevitable Requirement of Boosting Industrial Transformation and Upgrading

From the perspective of the positive interaction cycle between specialty and industry, higher vocational education undertakes the functions of providing talent supply, development services and intellectual support for industrial transformation and upgrading, and plays a leading role in industrial transformation and upgrading; The development of industry provides the basis and foundation for the specialty setting of higher vocational colleges. The construction of professional dynamic adjustment mechanism in higher vocational colleges can not only ensure the complete connection between education specialty and industry, but also improve the industrial service ability of Higher Vocational Colleges and better help the industrial development.

2.2 An Important Opportunity for Transformation and Development

School enterprise cooperation and the integration of industry and education have become an important starting point to improve the quality of vocational education. Specialty is the cornerstone of the construction and development of Higher Vocational Colleges. If specialty is strong, school is strong. The development of Higher Vocational Colleges has changed from the traditional pursuit of quantity and scale expansion to the new stage of connotation construction. The professional structure has changed from “many and complete” to “special and excellent”. The establishment of professional dynamic adjustment mechanism is not only an important way to realize the transformation of professional structure, but also an important opportunity for the development of Higher Vocational Colleges to high-level education.

2.3 An Important Guarantee for Establishing a High-Level Specialty Cluster

A high-level specialty cluster is a specialty cluster with core majors as the leader and related including majors according to certain group logic. The construction of a professional cluster may span teaching organizations and industries. Therefore, we should form a professional dynamic adjustment mechanism in the construction and management of professional groups, realize the self optimization of professional groups, create a new situation of collaborative education, optimize the resource allocation of professional groups, carry out professional group performance evaluation, give full play to the management efficiency, highlight the characteristics of “group”, achieve the goal

of “1 + 1 > 2”, form cluster advantages, and provide high-quality services and solid guarantee for the construction of professional groups, It is of great practical significance to promote the construction of “double high plan” professional group.

2.4 The Only Way to Improve the School’s Running Level

The ultimate goal of specialty dynamic adjustment is to effectively improve the school’s running level and talent training quality of higher vocational colleges. Through the professional dynamic adjustment mechanism, organically integrate the existing curriculum, teachers, training and other teaching resources, improve the appropriateness of talent training and regional economic development, and timely adjust the talent training objectives and specifications. At the same time, promote the in-depth integration of industry and education, attract more business elites to deeply participate in professional construction and talent training, incorporate new technologies, new processes and new norms into professional teaching standards, cooperate with schools and enterprises to educate people, solve practical problems in production and life, cultivate high-quality technical and skilled talents really needed by industry enterprises, and enhance the influence and attraction of higher vocational colleges.

3 The Basic Path of Constructing Professional Dynamic Adjustment Mechanism in Higher Vocational Colleges

3.1 Professional Adjustment Research Guidance Mechanism

In order to better meet the needs of industrial structure adjustment and economic and social development, optimize specialty setting and provide sufficient basis for specialty adjustment, specialty adjustment research must be carried out. The major adjustment survey is led by the secondary college where the major is located, and a branch of the major construction committee including industry and enterprise experts should be established. Under its leadership, it conducts research on the industrial development trend, talent demand of industry and enterprises, learning demand of students, tracking survey of graduates, learning situation of students, etc., and analyzes and forecasts the professional development trend and prospect, adjust the knowledge, ability and quality required by each professional post (Group), form a professional adjustment research report, and put forward suggestions on professional adjustment and development planning.

3.2 Professional Adjustment Evaluation and Early Warning Mechanism

Research is the foundation, evaluation is the core, and evaluation link is the core of professional adjustment. The specialty adjustment of Higher Vocational Colleges should respond to the national strategy, serve the regional economic and social development, promote the deep integration of industry and education, and realize the organic connection between talent chain and industrial chain. The school’s professional teaching steering committee should give full play to its demonstration and evaluation function to demonstrate and evaluate the professional adjustment scheme proposed by the secondary college. Starting from the new needs of the bank’s enterprises and based on the

data, comprehensively evaluate the majors to be adjusted in terms of enrollment scale, employment quality, teaching resource construction, teaching team strength, training and practice conditions, scientific research service level and internationalization level, and use the evaluation results to carry out “red and yellow card” early warning of professional dynamic adjustment in a certain proportion, to form detailed written opinions on the proposed new application major, suspended enrollment major, early warning major or suspended enrollment major.

3.3 Professional Adjustment Decision-Making Supervision Mechanism

Major adjustment is the key work related to the survival and development of Higher Vocational Colleges. It is difficult and involves a wide range, which needs the high attention of the whole school. Strengthening the party’s overall leadership is the premise, and implementing the party’s education policy is the fundamental. The Secretary of the Party committee, the president and the vice president in charge of teaching of the university should carry out special research on the professional construction of the University. Under the leadership of the Party committee, the president’s office meeting, as the highest decision-making body for professional adjustment, is responsible for conducting special research on the demonstration and evaluation opinions of the professional adjustment scheme submitted by the school’s professional teaching steering committee, and making scientific decisions in line with the school’s own development orientation on important matters such as professional integration and upgrading, professional increase and decrease adjustment and professional group formation. Professional adjustment is related to the development of the school, so it must be open, fair and just. After the professional teaching steering committee forms the demonstration and evaluation opinions of professional adjustment scheme, it shall be publicized to all teachers and students on the designated website, accept supervision actively, and submit it to the president’s office meeting for discussion and decision-making after there is no objection to the publicity.

3.4 Professional Adjustment and Operation Guarantee Mechanism

In order to ensure the normal and efficient operation of professional adjustment, schools must provide corresponding guarantee. First, system guarantee. On the basis of following the guidance of the competent education department and combined with the actual situation of the school, higher vocational colleges should formulate a series of practical and feasible professional dynamic adjustment systems to ensure the professional construction, professional group construction and even the sustainable development of the school; Second, fund guarantee, on the basis of striving for financial support from the superior, attract investment from bank enterprises, raise special funds from various parties, and ensure that funds for professional adjustment, investigation and demonstration are in place in full. In order to ensure the operation of professional dynamic adjustment mechanism in Colleges and universities, the government should strengthen support and guidance and focus on macro coordination and policy funds; The school plays a main role, focusing on industrial demand and its own characteristics; Banks and enterprises guide and participate actively, focusing on accurate docking and tripartite evaluation (“Fig. 1”).

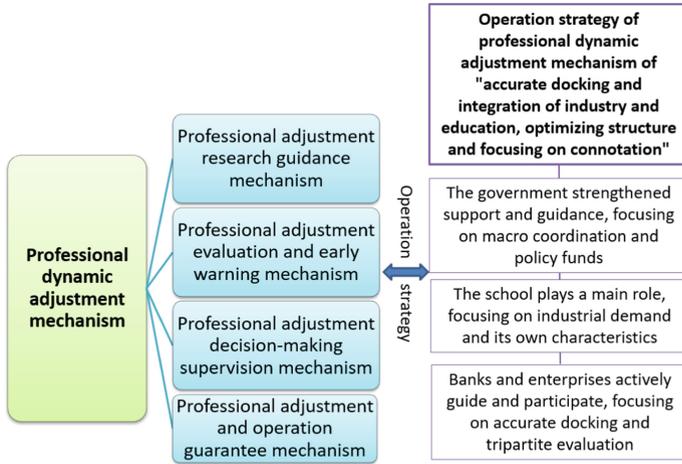


Fig. 1. Framework diagram of professional dynamic adjustment mechanism.

4 Countermeasures for Constructing the Dynamic Adjustment Mechanism of Specialty in Higher Vocational Colleges

4.1 The Education Administrative Department Shall Strengthen Guidance and Scientifically Plan the Regional Specialty Setting

Provincial education administrative departments should make reasonable unified planning and guidance in view of the homogenization of specialty setting and unbalanced specialty development in higher vocational colleges, combined with the industrial development trend during the 14th Five Year Plan period, and strengthen the top-level design of specialty setting in higher vocational colleges; Give strategic guidance to the school in terms of increasing or decreasing professional approval and controlling the number of enrollment; Regularly hold seminars and exchange meetings to share data such as regional industrial structure, higher vocational specialty setting, enrollment and graduation, so as to provide data support for higher vocational specialty setting.

4.2 Giving Full Play to the Advantages of Group School Running and Reasonably Optimizing the Professional Structure

The specialty setting should follow the principles of demand, characteristics and cooperation, rely on the regional industrial development plan, give full play to the advantages of collectivization in higher vocational colleges, improve the specialty construction Steering Committee jointly established by industry experts, enterprise (hospital) elites and school personnel, and guide the industrial research and talent demand research, Establish a quantifiable professional evaluation index system, conduct professional evaluation regularly through seminars, visits, data reports, consulting suggestions, etc., and take the evaluation results as an important basis for professional increase, reform, support and retirement, so as to continuously optimize the professional structure.

4.3 Deepening the Construction of Professional Connotation by Taking the “Double High Plan” as an Opportunity

Professional construction should fully meet the national professional teaching standards, industry development needs and the new requirements of “1 + X” certificate system, and turn the focus of professional construction from quantitative expansion to qualitative improvement. The “double high” professional group should give full play to its leading role, summarize and refine the experience and practices that can be used for reference and copied in terms of talent training mode, curriculum resource construction, teaching staff construction and technical skill services, realize resource sharing with other majors, radiate other majors and other higher vocational colleges, and comprehensively improve the professional construction level of higher vocational colleges.

5 Conclusion

The construction of high-level specialty and specialty cluster is the core content of the construction of higher vocational colleges. A scientific and reasonable specialty dynamic adjustment mechanism can make the concept of specialty construction show new changes, highlight new characteristics and expand the radiation of specialty construction.

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