

Research on the Rebuilding Path of Educational Field in Shaanxi Local Universities from the Perspective of Industry-Education Integration

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Abstract. Promoting the integration of industry and education is the way for local universities to reengineer the field of education and realize the transformation to application-oriented. Local colleges and universities should further meet the needs of industry. Talents training is driven by discipline to industry demand, and realizes dynamic balance with industry demand. Deepening the integration of industry and education is an urgent requirement of regional economic and social development. Human capital, the most important innovation factor, should be added to the industrial chain. Renewing the training process of re-engineered talents by means of integration of industry and education.

Keywords: Integration of Industry and Education, Local Universities, Educational Field.

1. Introduction

At the stage of elite transformation of higher education into popularization and towards popularization, Shaanxi local colleges and universities are facing the problem of how to transform and develop. This paper studies the training system of Applied Innovative Talents in Shaanxi local colleges and universities from the perspective of integration of industry and education, and constructs the educational field of local colleges and universities from a new perspective. Through the integration of industry and education, the "triple jump" of scientific research, experimental development and popularization and application, and through the core element resources of innovation-driven development, the "four-chain connection" of "industry chain-innovation chain-education chain-talent chain" with value chain as its core is formed. It is not only the restructuring of education chain and talent chain, but also the restructuring of industry chain and innovation chain, which enriches the relevant theories of local applied universities.

2. Goals and Paths

2.1 At the Macro Level.

Forming a dual higher education system of harmonious coexistence between applied undergraduate universities and high-level research universities While promoting the construction of "double first-class", we should promote the transformation of a number of ordinary undergraduate colleges and universities in Shaanxi into application-oriented ones.

Applied universities are a kind of Comprehensive Universities between academic and technical ones. At the moment of accelerating the construction of an innovative country step by step, the urgency of training applied talents urgently needed for economic and social development is emphasized, and the talents trained by applied universities should closely meet the needs of industry. Find its own position in the ecosystem of talent cultivation in higher education. It is essentially a revision of the traditional mode of higher education to train application-oriented undergraduates for regional areas. In the post-popularization era of higher education, Shaanxi local universities need to serve regional economic development, tap new regional formats, and actively transform to adapt to regional talent training, which is an urgent problem to be tackled.

2.2 In the Medium Level.

Establishing an agile application-oriented talent training system can quickly and cheaply respond to the changing demand for talents in the industry, and realize the integration of industry and education at the professional level.

In December 2017, the General Office of the State Council issued "Several Opinions on Deepening the Integration of Industry and Education". The government once again emphasized the "deepening" of the policy of integration of industry and education, which embodies the top-level design of the government's strategy of strengthening the country through education. From the point of view of orientation and function, the type of university with single function no longer exists, with the emergence of comprehensive, diversified and multifunctional universities. From the perspective of the type of personnel training, the narrow mode of training traditional elite talents has gradually changed to cultivate diversified and complex applied talents adapted to economic and social development. These changes in the higher education ecosystem are the result of the interaction of external variables such as political, economic and social environment and internal variables of the higher education system in the last fifteen years.

Promoting the integration of industry and education is the way to transform ordinary undergraduate colleges and universities into application-oriented ones. Shaanxi local universities should further meet the needs of industry. Talent training should be driven by discipline to industry, and achieve dynamic balance with industry demand. At the same time, promoting the integration of industry and education is the goal of the transformation of ordinary undergraduate colleges and universities to application-oriented. The Application-oriented Undergraduate Colleges and universities and related industries must speed up their own adjustment to support the higher education system of all sectors of society. We should correctly understand the connotation of Applied Universities and talents, establish a new higher education evaluation system and resource allocation mechanism, and form a situation of coordinated development of all kinds of universities and win-win situation of University and industry sharing.

2.3 At the Micro Level.

We should accelerate the reform of teaching contents and methods, enhance student ability to solve practical industrial problems and improve the quality of applied talents training.

The transformation from university to application-oriented is based on the reconstruction of curriculum system and teaching content. Colleges and universities should break through the existing discipline framework and reconstruct the curriculum system in close connection with the industry development, technological progress and social construction realistic requirements and development trends. We should give more prominence to social needs and students employment-oriented, scientifically formulate diversified training programs that conform to the law of the growth of applied talents, further promote innovation and entrepreneurship education, add practical courses, increase the proportion of practical teaching, expand the scale of students' internship in practical departments and enterprises, and clarify the basic requirements of graduation design. Efforts should be made to cultivate students sense of social responsibility, innovative spirit and practical ability. It is necessary to reform the teaching content of the course system driven by industrial technological progress. According to the level of scientific and technological development, industrial development needs and vocational qualification standards, the curriculum structure is optimized, and the relevant professional basic courses, backbone courses, core courses, professional skills application and experimental practice courses are integrated. Form a curriculum group or module based on the use and highlighting the cultivation of students practical ability. We should make full use of modern information technology to promote the reform of curriculum content and teaching methods, establish a mechanism of curriculum resources construction in cooperation with practical departments and industry enterprises, and cooperate in the development of online open courses.

The success of curriculum reform ultimately determines the success of integration of industry and education. We should speed up the reform of teaching contents and methods, enhance students ability to solve practical industrial problems and improve the quality of applied talents training. The

curriculum here refers to the curriculum in a broad sense, including classroom teaching, on-site teaching, comprehensive teaching activities and other relatively independent teaching links. To promote the integration of industry and education at the curriculum level in general undergraduate colleges and universities, we should study and absorb the experience of advanced countries, do a good job in top-level design and implement curriculum integration in view of the existing problems. Under the framework of curriculum integration, we should solve the problem of separation of theory and practice in curriculum teaching, integrate classroom teaching with on-the-spot teaching, integrate theory with practice, and embody the joint participation and contribution of universities and industries in curriculum construction. It is necessary to introduce the elements of related industries into the curriculum, some of which are undertaken by the industry, and students should learn according to the needs of the industry. In the practice of integration of industry and education, the cultivation of applied talents should strengthen professional education, put the cultivation of students innovative spirit, practical ability and social responsibility in the complete system of professional education, and avoid the practice of setting up separate courses in practical teaching, let alone simply interpret classroom teaching as "theoretical teaching". The idea of strengthening professional education should be embodied in curriculum reform.

In the teaching mode, it not only integrates vocational education to meet the needs of production, management and service at the front line, but also integrates applied education which is universally applicable, and also integrates academic education which pursues technological breakthroughs and progress.

3. Location Function of Shaanxi Local Universities

On the one hand, it is the mission of colleges and universities to train suitable talents for economic and social development. It is an important strategic deployment made by the State Council to guide and promote the transformation of general undergraduate colleges and universities into applied technology-oriented ones. It is also an urgent need to build a modern vocational education system and to adjust the structure of higher education. In the process of Shaanxi' economic restructuring and industrial upgrading, a large number of skilled, applied and compound talents are needed, which requires undergraduate colleges and universities to speed up the pace of training high-level applied technical talents.

On the other hand, the transformation and development of colleges and universities are directly related to the vital interests of students. At present, 42 undergraduate colleges and universities in Shaanxi Province provide important intellectual support and a large number of talents for the economic development of Shaanxi Province. However, some universities have vague orientation, convergence of disciplines and specialties, homogeneity of personnel training, disjointed graduates from the needs of economic and social development, low employment rate and low quality of employment. Educate and employ people, supply and demand match. To solve these problems, there is an urgent need to promote the transformation and development of undergraduate colleges and universities to applied technology type colleges and universities.

3.1 Shaanxi Local Colleges and Universities are the Key Forces in Training Local New Professional Talents.

Firstly, we should clarify the type orientation and transformation path, take the integration of industry and education, school-enterprise cooperation as the breakthrough point, and take all-round and deep participation of industry and enterprise as the path and driving force of transformation and development, and build a school-enterprise cooperation platform. Secondly, we should promote structural reform from three aspects: governance structure, professional system and infrastructure, including the professional system of docking industrial chain, innovation chain and infrastructure construction focusing on the construction of experimental and practical training conditions to adapt to advanced industrial technology. Thirdly, guided by industrial transformation and upgrading, technological progress and social construction needs, we should deepen reform in personnel training

mode reform, innovation and entrepreneurship education, organic connection with secondary and higher vocational colleges, reform of examination enrollment system, and construction of double-qualified teachers. Finally, guided by the strategy of service innovation-driven development, the pilot universities should be fully integrated into the regional and industrial technological innovation system.

The training of talents should be oriented to the application-oriented, take serving the local economy as the leading factor, actively mobilize the resources of cooperation between government, school and enterprise, train the "marketable" applied talents needed in production and management, and carry out the transformation of applied scientific research and achievements, so as to form the circulation system of "local government-applied university-local enterprise".

3.2 Shaanxi Local Universities Should become the Main Force of Local Economic Services

Applied universities integrate into local society from the perspectives of school orientation, personnel training, scientific research and serving local society, and serve local economy from the perspectives of personnel training, science and technology promotion and cultural dissemination. Shaanxi local colleges and universities shoulder the strategic transfer from Shaanxi Province to a "strong province of human resources", and solve the hot and difficult problems of regional economic and social development, especially in the construction of LonghaiLanXin Economic Zone, Guanzhong-Tianshui Economic Zone, Xixian integration, the energy and chemical base in northern Shaanxi, and the construction of Xi'an international metropolis metropolis. The cooperation between universities and industries must be based on win-win situation to ensure the sustainable development of the integration of industry and education.

Based on the type of talent training, this paper deduces the path of re-engineering the educational field of local universities. In terms of the target orientation of talent training, the interaction between regional economy and society is more prominent. Local colleges and universities should be more flexible and sensitive in setting up specialties. They should quickly catch the changes of market demand for talents and set up special specialties. In terms of curriculum design and application services, local colleges and universities pay more attention to the combination of application content with production practice, application modes and application methods are more flexible and diverse, with both theoretical learning and practical application, which can well combine production, teaching and research. Based on the perspective of deep integration of production and education, the research on the educational field of Shaanxi local universities has a strong practical guiding significance for the transformation and development of local universities, and also has a reference value for the relevant government departments to regulate the healthy development of local universities.

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References

- [1]. Chen Feng. What signals are released from the documents on deepening the integration of industry and education [N]. China Youth Daily, 2018.1.29.
- [2]. Guo Jianru. An Analysis of the Core Problems in the Transition and Development of Local Undergraduate Universities [J]. Journal of Huanghe University of Science and Technology, 2017 (01).
- [3]. Lin Juanjuan, Shi Yongchuan and Li Peng. Constructing an ecology for training applied talents integrated with industry, specialty and entrepreneurship [J]. China Higher Education, 2017 (22).
- [4]. Xuan Yong. Research on University Organizational Structure [M]. Beijing: Higher Education Press, 2005 (3).

- [5]. Feng Xu. Research and Practice of Talents Training in School-Enterprise Enterprise College [J]. Shaanxi Education (Higher Education Edition), 2016 (8).