

Research on the Transition Path of Shaanxi Local Universities based on the Demand of Regional Economic Development

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Abstract. With the development of China's economy, the transformation and upgrading of economic structure will lead to the structural adjustment of higher education. The focus of Shaanxi's higher education development should be shifted from scale expansion to focusing on both scale and quality. The idea of structural adjustment should be shifted to more adapting to the requirements of productivity development and industrial structure upgrading. The goal of discipline setting should be shifted to highlighting regional characteristics and enhancing competitiveness. This is the need of the development of regional higher education and the realistic requirement of regional social and economic development. The research on the transformation and development of Shaanxi local colleges and Universities Serving Regional economy has a strong practical guiding significance for the transformation and development of local colleges and universities, and has a reference value for the relevant government departments to standardize the healthy development of local colleges and universities.

Keywords: Regional economy, integration of industry and education, transformation.

1. Preface

On June 22, 2014, the State Council issued the Decision on Accelerating the Development of Modern Vocational Education. On October 21, 2015, the Ministry of Education, the National Development and Reform Commission and the Ministry of Finance issued the Guiding Opinions on Guiding Some Local General Undergraduate Colleges and Universities to Transform into Application-oriented ones. On March 21, 2016, the Central Committee of the Communist Party of China issued Opinions on Deepening the Reform of Talent Development System and Mechanism. On January 19, 2017, the State Council issued the Thirteenth Five-Year Plan for the Development of National Education. On December 19, 2017, the General Office of the State Council issued a series of policies, such as Several Opinions on Deepening the Integration of Industry and Education. Our country has opened the curtain of structural reform of higher education and promoted the classified development of higher education in an all-round way. It has become the consensus of higher education reform to promote the transformation of local ordinary undergraduate universities into applied universities. With the popularization of higher education, the main contradiction of higher education has been transformed from the contradiction between the mass demand for education and the relative shortage of education supply to the contradiction between the supply of talent training and the economic and social demand. In the post-popularization era of higher education, how Shaanxi local colleges and universities to serve industry transformation, tap new regional formats, and actively transform to adapt to regional talent training has become an urgent problem for local colleges and universities to tackle.

Foreign universities attach great importance to applied universities. In the 1950s, the American Land-grant College and the British City College had the characteristics of applied universities; in the 1960s and 1970s, Germany produced the Fachhochschule (FH) of Applied Science and Technology (FH), which was based on the combination of theory and practice and applied research and development to serve the regional economy; and in the 1960s and 1970s, Germany produced the Fachhochschule (FH). From 1980s to 1990s, Australia's Polytechnic University, which is a kind of applied university, implemented the degree education based on discipline and oriented to the combination of profession and industry. Since 1997, Taiwan has established a higher vocational education system consisting of specialist, undergraduate, master's and doctoral degrees. Its main institutions are technical colleges and universities of science and technology. Stanford University

founded the Silicon Valley Science Park in 1951, which opened the pioneer of modern knowledge economy. Since the 1970s, Germany, Austria, Switzerland, Finland, the Netherlands and other countries have been vigorously promoting the development of applied universities.

Referring to the relevant information, the views on the transformation and development of colleges and universities mainly include the theory of differential development (Fenghaiqing 2014), the theory of dislocation development (Hu Rui 2013), the theory of characteristic development (Sun Dong 2013), the theory of transformation and development (Xia Mingzhong 2014), the theory of secondary transformation (Xia Mingzhong 2015), the theory of integration of industry and education (Luo Qi 2014), and so on. From the data query, we can see that the number of core papers retrieved in the journal database of China HowNet has increased year by year, 15 in 2013, 115 in 2014, 317 in 2015, 332 in 2016, 348 in 2017 and 363 in 2018. Although there are many applied research topics and papers in Colleges and universities in recent years, most of them are higher. In terms of the theory of classified development of higher education, this paper explores the application-oriented undergraduate education. To accelerate the establishment of the development mechanism of integration of industry and education and deep cooperation between schools and enterprises, to build the integration of higher education and vocational education, and to study the transformation and development of local colleges and universities in Shaanxi from the perspective of regional economic theory, needs further study.

2. Reflections on the Transformation and Development of Shaanxi Universities from the Perspective of Regional Economic Development

Higher education in Shaanxi Province has a large scale and rapid development, but its economy is relatively lagging behind. This disharmony is related to the basis of industrial development, the degree of marketization, the environment of economic development, and the low degree of association between universities and industries. It is necessary for the development of regional higher education to shift the focus of Shaanxi's higher education development from scale expansion to focus on both scale and quality, to shift the idea of structural adjustment to more adapt to the requirements of productivity development and industrial structure upgrading, and to shift the goal of discipline setting to highlight regional characteristics and enhance competitiveness. It is also the realistic requirement of regional social and economic development. In the orientation of talent training objectives, 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. The research on the transformation and development of Shaanxi local colleges and Universities Serving Regional economy has a strong practical guiding significance for the transformation and development of local colleges and universities, and also has a reference value for the relevant government departments to standardize the healthy development of local colleges and universities.

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. We should study the transformation and development of local universities in Shaanxi with the theory of regional economic development. Accompanied by the overall deployment of the "Three Economies" in the Shaanxi Provincial Government Work Report, Shaanxi will catch up with and surpass the "Five Solid" requirements, implement the "Five New" strategic tasks in an all-round way, and vigorously develop the "hub economy", "portal economy" and "mobile economy". Shaanxi local colleges and universities should serve the goal of local economic and social development, solve the technical problems of local enterprises, and train applied talents for local areas. Through the deep integration of industry and education, the "triple jump" of scientific research, experimental

development and popularization and application, the core element resources of innovation-driven development are penetrated, and the "four-chain" of "industry chain-innovation chain-education chain-talent chain" with value chain as its core is formed. This is the restructuring of the education chain and the talent chain, as well as the industrial chain and the innovation chain.

3. The Impact of New Labor Division Theory on Talent Chain from the Perspective of Regional Economics.

In Shaanxi's regional social and economic development, the new idea of regional division of labor and the scientific concept of development are used to re-examine regional boundaries and regional formation mechanism, regional life cycle, regional development and planning. The strategic countermeasures and measures of value chain, technological innovation and knowledge spillover in regional economic growth in industrial organization, industrial structure and development, spatial transformation and spatial structure adjustment are discussed. From the proportion of talent demand, the proportion of applied technical talents and academic talents training in developed European countries is generally 8:2, which is consistent with the structure of talent supply and demand of social and economic development. Shaanxi's social and economic development needs not only professional talents with advanced knowledge, but also tens of millions of technical, managerial and service talents suitable for and leading regional development. The theory of regional division of labor is used to reveal the inherent law of regional differences and economic activities. Introducing the new labor division theory with value chain and technology division as its main content, this paper explores the temporal and spatial succession of talent chain under the background of regional division of labor from the perspective of regional economics. The theory of regional division of labor is used to reveal the inherent law of regional differences and economic activities. In addition to the traditional theory of regional division of labor, we should establish a supply system of talent cultivation to meet the needs of regional economic development and solve the dilemma of integration of industry and education. It has reference and practical value for decision-making consultation of educational administrative departments, transformation orientation and healthy development of local colleges and universities.

4. The Target and Path of Serving Regional Economic Development in Shaanxi Local Colleges and Universities.

Innovating the operation mode of integration and development of local universities and industries, accurately docking the needs of regional talents, enhancing the transformation and upgrading ability of service industry of local universities in Shaanxi, and promoting the formation of destiny community of universities and industry enterprises. Building high-level professional groups, facing key industries in regions or industries, relying on specialties with advantages and characteristics, improving the development mechanism of professional groups construction in docking industry, dynamic adjustment and self-improvement, promoting the integration of professional resources and structural optimization, and giving full play to the clustering effect and service function of professional groups. Full integration of supply-side and demand-side structural elements of talent cultivation will be achieved.

Local universities should establish a talent training mode combining undergraduate education with vocational skills training. At the macro level, a dual higher education system of harmonious coexistence between applied undergraduate universities and high-level research universities has been formed. While promoting the construction of "double first-class", a large number of ordinary undergraduate colleges and universities should be transformed into application-oriented ones. In the medium level, we should establish an agile application-oriented talent training system, which can respond to the changes of talent demand in industry quickly and cheaply, and realize the integration of industry and education at the professional level. At the micro level, we should speed up the reform

of teaching contents and methods, enhance student's ability to solve practical industrial problems, and improve the quality of applied talents training.

Generally speaking, the transformation and development of local universities are as follows: first, changing the concept of development, formulating University charters, doing top-level design well, and formulating development strategies scientifically. Secondly, we should set up the target of serving the local government, condense the characteristics of running schools and realize dislocation development. Thirdly, according to the needs of local economic development, we should adjust and optimize the structure of disciplines and specialties in time to meet the needs of industries and industries. Fourthly, aiming at the training of "applied talents", we should build a training system for applied talents. Fifth, to improve the practical ability of teachers and the quantity and quality of "double-qualified" teachers. Sixth, we should pay attention to small and medium-sized enterprises, focus on the application research and technical services, and improve the ability and level of scientific and technological innovation and service enterprises. Seventh, we should improve the internal governance structure, explore the modern university system and promote the transformation of organizational structure. Eighth, the state should introduce necessary supporting policies, and the government should change its functions to give private colleges the right to run schools and enroll students independently.

The state has issued policies to support, encourage and guide the transformation and development of a number of ordinary undergraduate colleges and universities. For local universities, we should seize this opportunity, change the concept of development, and accelerate the transformation and development. This is the need of our country to construct a modern vocational education system, and the need of local colleges and universities to crack the student crisis and win social recognition. It is also the need for local colleges and universities to return to the "true application" orientation. Now, Shaanxi is in the critical period of economic restructuring and upgrading in the 13th Five-Year Plan. Under the background of deepening the reform of higher education, local colleges and universities should not only follow the laws of education and actively adapt to the external environment, but also strive for intensive development. More importantly, we should promote the close integration and positive interaction between higher education and regional economic development, and enhance the ability and level of local colleges and universities to serve regional economic development. This is the inevitable choice for the rapid development of local colleges and universities in Shaanxi.

Acknowledgements

This thesis is funded by the 13th Five-Year Plan Project of Shaanxi Education Science in 2018. Project Name: Research on the Rebuilding Path of Educational Field in Shaanxi Local Universities from the Perspective of Deep Integration of Industry and Education. Project number: SGH18H512.

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