

Practice and Exploration of Industrial College in Higher Vocational Colleges

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Abstract

The benign interaction and integrated development of higher vocational talent training and higher vocational talent industry is the key direction of the innovation and reform of higher vocational education, and the construction of industrial college is an important measure to innovate the school system and upgrade the talent training strategy of higher vocational colleges. This paper explores the basic practical path of the construction of higher vocational colleges from five aspects: optimizing laws, regulations, policies, innovating the talent training mode, building a high-level professional group, the establishment of the integrated training base of industry and education, and the combination of the "double teacher" team.

Keywords

Higher vocational college; Industrial college; Talent training.

1. Preface

The concept of industry college originated in the British "industry university", in the field of higher vocational education in China, industry college refers to vocational colleges and enterprise industry, local government, industrial park and other diversified subject set up relevant university-enterprise cooperation, school cooperation talent training mechanism of new institutions, and talent training, scientific research, social services and academic innovation as one. The construction of the industrial college can undoubtedly have a positive impact on the talent training of higher vocational colleges, such as further optimizing the allocation of educational resources, accurately meeting the needs of the talent training of local industrial talents, paying attention to enhancing the development of students' entrepreneurial employability, and highlighting the talent training oriented by the industrial demand[1]. Therefore, the administrators and professional teachers of higher vocational colleges should actively explore the construction path of industrial colleges to bring their educational functions into full play.

2. Optimize the System of Laws, Regulations and Policies

In the new era of the integrated development of industry and education, the school-enterprise cooperative education mode has also achieved rapid development. However, at the level of specific laws, regulations and educational policies, it has not provided effective and operational school system, operation system and relevant management system for the construction of industrial college. Therefore, in order to further promote the development and construction of industrial colleges in senior high schools, it should be optimized from the perspective of laws, regulations and policy system, so as to better solve the possible problems such as legal subject, application system, supervision system and rights and interests distribution in the construction of industrial colleges. For example, the legal status of vocational industrial colleges, and the simulation of governance, the administrative relationship between vocational colleges, social

enterprises, industrial park, local government and industrial colleges, and the operation, financing, education and transaction can be further detailed. In addition, in terms of policy mechanism, the local government can also appropriately give corresponding tax reduction or other incentives to enterprises participating in the construction and integration project of industrial colleges and education, so as to encourage more social enterprises and industrial institutions to participate in the construction of industrial colleges.

3. Innovate the Higher Vocational Talent Training Mode

The construction of higher vocational colleges industry college its fundamental purpose is still to carry out the fundamental task of khalid ents, but as a new education mode, in the process of building industry college, higher vocational colleges also need to corresponding innovation talent training mode, make the enterprise, schools can focus on talent ability training new way of cooperation. First of all, on the education teaching practice content, industry college should be based on the service area industry and local economic development status, focus on students ability training the main line, as far as possible to provide engineering alternation, with post, hierarchical classification characteristic vocational ability training mode, close docking industry college talent training supply side and industry demand side. Second, higher vocational colleges in social enterprises, industry organizations, industrial park intensify cooperative education at the same time, we should undertake training task with industry college, including collaborative professional courses, provide teaching practice guidance and support, etc., prompting the majority of higher vocational students can smoothly grow into high quality, high level of applied talents. In addition, in the talent training mode, industry college can also implement the 1 + X certificate system, gradually establish industry college X certificate system, with the corresponding teaching guidance, vocational ability development will students need to have vocational skills, professional curriculum system, on the one hand, help to improve the core competitiveness of higher vocational college students, on the other hand also can for the professional development plan solid professional ability foundation. Finally, in the process of industry college construction and development, also can properly carry out hierarchical classification talent training mechanism, namely with cooperation enterprises, industry organizations to create talent characteristic class, for the ability of outstanding talents increase post practice teaching proportion, technology research and development courses, etc., thus targeted and purposefully promote such talent practice ability and innovation ability.

4. To Build A High-level Professional Group

The construction of the school of Industry is a multi-functional teaching organization established based on the educational resources of higher vocational colleges, regional economic development and industrial development. Therefore, the school of Industry itself has a strong degree of orientation of training objectives and specificity of professional talent training. In order to give full play to the specific advantages of talent training, the Industrial College can also build a corresponding high-level professional group, realize the demand of industrial talents, closely connect the industrial chain, and further reflect the concept of industry and education integration and the mapping relationship between industry and education[2]. Construction of high level professional group, first should consider whether the construction of the professional fit industry development, namely higher vocational colleges should fully combine their own characteristics, high quality education resources and local high-tech industry properly establish professional group and industrial chain between dynamic adjustment and optimization integration mechanism, to industry development drive professional group construction, also through the professional group construction power industry innovation. When the professional group is completed, industry college need to

consider professional group curriculum system reconstruction, such as fit fusion depth development, industry college can work, technology, innovation ability development demand for students to build "five double platform four modules" curriculum system, namely, intelligence and physique five aspects education goal, public education platform and characteristic education platform double platform education, core course, concentrated practice, public development and professional development class four module education connotation. To sum up, the high adaptation of professional groups and professional curriculum system is the necessary prerequisite to promote the interdisciplinary integration of industrial colleges, cultivate compound talents, and effectively enhance the high-quality economic development of majors (groups), and it is the only way for the construction of industrial colleges in higher vocational colleges.

5. Establish A Training Base for Integrating Industry and Education

Practice teaching is the key link of personnel training in higher vocational colleges, the integration teaching mode is the main means of integration development, so for the construction of industry college, higher vocational colleges should actively through school-enterprise cooperation to create fusion training base for students, enrich students' daily teaching resources at the same time, to provide innovative entrepreneurial ability, greater development of practice play space. First of all, the creation of the fusion training base should have clear positioning, distinctive characteristics and high quality education resources and real production management function, to realize this, vocational college industry is based on high-end industry, related industry development core, and intensify cooperation, provide students with science and technology development service function and practice teaching function of high level teaching fusion practice base, create a first-class practice teaching center, build a first-class practice teaching environment. Secondly, the school of Industry should optimize the professional practice teaching content according to the conditions of the training base, and organically connect their practical teaching with the post standard ability requirements as far as possible, so as to continuously improve the technical skills of the students of Industry. In addition, in the practical application of the training base, attention is paid to exerting the educational advantages of high-quality resources, and opening up a new situation of school-enterprise integration and industry-education integration of collaborative education, innovation, service, production and development [3].

6. Establish A Full-time and Concurrently Combined "Double Teacher" Team

In addition to the innovation mode of talent training, professional group construction, curriculum system and practical training base mentioned above, the establishment of higher vocational teachers also plays a very important role in the construction of industrial colleges. In order to deepen the integration of industry and education in industrial schools, higher vocational colleges should set up a professional and dual-division team combining the needs of various cooperation subjects. First of all, for existing professional teachers, industry college can build teachers team incentive mechanism, supervision mechanism, classified development mechanism, performance appraisal system and title evaluation system, etc., from many aspects activate industry college existing teachers' teaching vitality and professional development power, make its teaching combat effectiveness, cohesion can rise to a new level. Secondly, the School of Industry can also attract more industry backbone talents as professional characteristic instructors for students through external introduction and internal training, mixed recruitment, mutual employment and mutual integration, while realizing the two-way communication between the teachers and introducing more fresh and innovative characteristic

educational resources for the School of Industry. In addition, the school of Industry can also combine its own construction needs, appropriate construction of "skill master studio" type of projects, welcome the majority of enterprise technical engineers to enter the campus, and deeply embedded in the talent training process of industry College.

7. Conclusion

The construction of industry college is the innovation direction of higher vocational colleges, teaching, practice, production, industry development is the basic premise of industry college construction to promote the benign development of higher vocational colleges, professional teachers, social enterprises, industry organizations and local governments need to contribute their own strength, from multiple angles to cultivate high-end professional talents.

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