Research on the Training Path of Professional Talents in Higher Vocational Education under the Background of Innovation and Entrepreneurship

TongYu WANG
Jinan Vocational College, Shandong, China

Abstract: This paper mainly analyzes the importance of integrating innovation and entrepreneurship education in higher vocational colleges, analyzes the practical problems faced in the process of integrating innovation and entrepreneurship education, and puts forward some suggestions on updating higher vocational colleges, promoting curriculum reform, establishing teaching staff, and establishing practical platform, and so on. At the same time, it defines the training path of talents in higher vocational colleges under the background of innovation and entrepreneurship.

Keywords: Innovation and entrepreneurship; Higher occupation; Talent training

DOI: 10.47297/wspiedWSP2516-250017.20200403

1. Introduction

Innovation and entrepreneurship education in higher vocational colleges is not only innovation and entrepreneurship education for students, but also for teachers. In order to promote innovation and entrepreneurship education, higher vocational colleges need to establish an innovation and entrepreneurship education system with teachers and students as the main body. At the same time, they need to create a good education environment, strengthen practical training, and incorporate innovation and entrepreneurship education into human resource development planning. The students in higher vocational colleges have unlimited creativity, which is the source of

About the author: Tongyu WANG (1967-7), Male, Han, Zibo, Shandong, Professor, Master’s degree, Data Analysis, information system development.
innovation and entrepreneurship, and a powerful driving force to promote the great rejuvenation of the Chinese nation. The students in higher vocational colleges bear the responsibilities and obligations of the all-round development of the overall development of the school, the construction of double first-class, the demand of social talents and the progress of the country. Building an innovative country is an all-round and multi-level reform, it shoulders the mission and responsibility of the new era.

2. Building a Professional Talent Training System with the Characteristics of Innovation and Entrepreneurship Education

(I) Effectively realizing the integration of professional education and innovation and entrepreneurship education

In the process of carrying out innovation and entrepreneurship education in higher vocational colleges, we should start from the actual situation of professional construction and professional development, look for the similarities between professional education and innovation and entrepreneurship development, and use entrepreneurship system and mechanism to integrate professional construction in the process. The vitality of higher vocational education lies in the organic combination of personnel training, professional construction, professional development, teacher team construction and student skill improvement. And we can realize the integration of professional education and innovation from the following points: 1) Improving the double innovation ability of the teaching staff. The education group of innovation and entrepreneurship should be oriented to excellent teachers in higher vocational colleges, provide excellent creative guidance and support for the project, and make full use of the skill platform such as teacher studio, skill master studio and skill competition incubator in higher vocational colleges, so as to create an environment for key teachers, so that they have energy and time to lead teams including teachers and students. 2) Cultivating various ways to improve students’ skills. In the process of training students’ skills, higher vocational and technical education should innovate working methods, establish flexible and diverse training mechanisms, explore various ways to improve students’ skills, and solve the problem of students in participating in projects. In the case of contradictions among skills upgrading, patent application, innovation achievements and the evaluation of existing professional courses, we should encourage students to use various platforms of the college for professional ability training, and upgrade the system and mechanism [1]. 3) In order to create a good atmosphere of innovation and entrepreneurship education, the school should actively build an innovation enterprise committee and implement work associations to make students create their own entrepreneurship integration incubators, and make the professional education of the association be integrated with innovation and entrepreneurship.
(2) Constructing an innovation and entrepreneurship training system in accordance with professional characteristics

The professional construction of higher vocational colleges should be combined with industry, with innovation and entrepreneurship courses, with the overall development of the school. And it should make overall planning and continuously optimize the professional structure. At the same time, it should also consider the demand for innovation education and reasonably control the number of professional groups. In the process of constructing an innovation and entrepreneurship training system that is consistent with professional characteristics, we should follow the law of dual innovation education, establish the innovation education and training system based on “knowledge-training-practice-expansion”, so as to continuously improve the secondary innovation ability and guide students to carry out ability training, and summarize and promote the project of the project incubation company through the innovation and entrepreneurship plan and the follow-up competition of Internet + skill.

A diagram of the professional personnel training system with the characteristics of innovation and entrepreneurship education

3. Analysis of the Ways of Innovation and Entrepreneurship Education Reform in Higher Vocational Colleges

(1) Reforming the professional curriculum system

Innovation and entrepreneurship education is not employment education, innovation and entrepreneurship education is the quality and skills education for students under the background of comprehensive and in-depth reform of innovation and entrepreneurship education. This is an important driving force to promote the reform of higher vocational education. Higher vocational education should seize the opportunity, strengthen the optimization and integration of personnel training under the new system, and innovate working methods, management methods, operation methods and personnel training modes. And it must create a good environment for teachers, students, enterprises and industries. It should continue to promote the implementation
plan of school innovation and entrepreneurship education and strengthen the team building guided by innovative spirit and ability, and cultivate students’ comprehensive quality and establish a new way to cultivate various talents through the construction of curriculum system [2]. 1) Higher vocational colleges should vigorously cultivate interdisciplinary and cross-disciplinary innovative talents, establish a new mechanism for interdisciplinary talent training, and make students be fully autonomous in space, time, curriculum, laboratory use and so on. 2) Strengthen the construction and management of students’ professional associations. Higher vocational colleges should regularly guide enterprises to enter the campus to create different types of lectures for students and to meet students’ curiosity and understanding of entrepreneurship, and should establish diversified learning methods and learning system. 3) Establish innovation and entrepreneurship practice platform at all levels, establish students’ innovation projects, and give full play to the main role of students in the project research activities to realize the platform operation under the guidance of training, fund management and mentors for exploring innovation and entrepreneurship practice projects. 4) Change the existing funding methods for students at all levels and improve their practical ability by guiding them to carry out project research and team building. 5) Build a complete online teaching platform, so that students can choose their own learning time according to their own strengths and interests, choose courses across disciplines, give full play to their subjectivity, and constantly release personal creativity. Understand the employment tendency of students by the methods of online questionnaire survey and interview, and provide relevant practical courses for different entrepreneurial methods and industries.

(2) Effective use of training base

Higher vocational colleges should effectively open the training experimental base, and effectively manage the training laboratories according to the enterprise industry, engineering construction standards and industry standards. As a base for students’ practice, and innovation and entrepreneurship education, it should consider the characteristics of students’ skill training, skill upgrading workshop, professional training room and so on, establish interest groups, professional associations or skills of professional students’ associations to promote students’ ability cultivation, skills improvement and incubation, and guide school teachers by rewarding excellent engineers of enterprises [2].

At present, higher vocational colleges promote the whole process of talent training of innovation and entrepreneurship education, but they should make full use of the practice base to realize the “double whole process” training, namely competition, trial teaching, practice and carrier. They construct the platform of innovation and
entrepreneurship through the practice base, enter the professional association of basic ability training of innovation practice, and take the participation of professional association and student project as one of the main indicators of teacher assessment and incentive mechanism. Through the establishment of higher vocational colleges, provincial and national skills competition platforms, and the establishment of an effective mechanism, the results of skills competition are transformed into the improvement of students’ overall skills, thus giving full play to the benefit and achievement transformation function of the competition training platform. Higher vocational colleges should cooperate closely with industries and regions, and give full play to the role of provincial collaborative innovation centers in technological innovation.

(3) Optimizing the construction of teaching staff

Higher vocational education should optimize the teaching staff and form up a diversified, multi-disciplinary and multi-field innovation team. The construction of teaching staff is the fundamental guarantee for the effective implementation of innovation and entrepreneurship education and the improvement of talent training quality. All departments and institutions should evaluate and encourage the title evaluation system, promote higher vocational education to regard innovation and entrepreneurship education as an important content of evaluation index and performance evaluation, establish regular inspection, reward and punishment mechanism, form a new employment mechanism, attract enterprise technical experts and engineers into higher vocational education, and create conditions for training and upgrading the teaching staff. It can be considered from four aspects: First, we increase the practical proportion of teachers in the existing teaching team, encourage teachers to participate in entrepreneurship training and give them rewards. Second, we continue to increase incentive measures for teachers leaving their jobs to start their own businesses, so as to break through the bottleneck of current enterprise teachers’ leaving their posts to start their own businesses. Third, we strengthen the support for the innovation and transformation of teachers’ scientific research achievements. With the support of the national incentive policy, higher vocational colleges should flexibly use the management system and mechanism, increase the incentive strength, and combine the cultivation of innovation and entrepreneurship team with the development of national skill competition to do a good job in project incubation. Fourth, we establish interdisciplinary teams inside and outside the college. We will relax policies in terms of team building, financial support, project introduction and enterprise introduction, and fully set up a platform to encourage interdisciplinary talent training \(^4\).
(4) Strengthening the construction of students’ innovative team

Improving the quality of students is the main teaching goal of school education. We can cultivate the innovation and entrepreneurship ability of students combining action and theoretical knowledge through optimizing the teaching task and constructing the innovation team of students. Higher vocational and technical colleges attach importance to the teaching of practical courses and the application and innovation of students’ theoretical courses in practice. They should strengthen the research on the construction, operation mode, management, support and incentive measures of students’ innovation team. Higher vocational colleges should make full play to their own advantages, provide more practical opportunities and conditions for students’ innovation and entrepreneurship, and provide material, spiritual, financial and technical support for the development of students’ innovation and entrepreneurship.

4. Conclusion

In short, the innovation and entrepreneurship education is a systematic project, and the innovation and entrepreneurship education in higher vocational colleges does not exist in isolation, and should establish and improve the training mode of deep integration and mutual supplement between innovation and entrepreneurship education and professional education. Innovation and entrepreneurship education is a quality education for students in higher vocational colleges under the background of comprehensively deepening the reform of innovation and entrepreneurship education. This is an important driving force to promote the reform of higher vocational education. Higher vocational education should seize the opportunity to strengthen the optimization and integration of talent training to realize the sustainable development of higher vocational education.
Works Cited

[1] Li Wenyu, Liu Yintao. “Research on the training path of talent in higher vocational colleges based on the background of innovation and entrepreneurship”. *Education Modernization*, 2018,5 (53): 56-58.

[2] Dong Rui. “Research on the training path of innovative and entrepreneurial talents in higher vocational colleges under the background of “the belt and road initiative” strategy”. *Modern Marketing: Management Edition*, 2018, No.306 (06): 27.

[3] Fan Yiyu. “Research on the countermeasure of talent training in higher vocational education under the background of new engineering”. *Jiangsu Business Theory*, 2018000 (005): 106-10.

[4] Yang Yan. “Research on the current situation and improvement path of higher vocational talent training quality under the background of supply side reform”. *Vocational Education (Mid-issue)*, 2018.