

Research on the Integration of Vocational Skills and “Craftsmanship Spirit” in Higher Vocational Colleges

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Abstract

Under the background of economic transformation, high-skilled talents, especially high-quality skilled talents with craftsmanship spirit, are the needs of the development of The Times. This paper makes an in-depth analysis of the connotation of the spirit of craftsman, combines the current situation of the fusion of the spirit of craftsman and vocational skills, and explores the ways of the fusion of the spirit of craftsman and vocational skills from the aspects of campus culture, school-enterprise cooperation, and teacher team construction.

Keywords

Vocational education; Craftsman's spirit; Vocational skills; Merge.

1. INTRODUCTION

On March 5, 2016, Premier Li Keqiang mentioned in the Government Work Report, "Encourage enterprises to develop personalized customization and flexible production, cultivate a craftsman spirit of excellence, improve quality, and create a brand". Since then, the word "craftsman spirit" has become a popular word in all walks of life, especially in the manufacturing industry. "Craftsman spirit" is not only a kind of professional spirit, but also a reflection of professional ethics, professional ability and professional quality. It is also a kind of professional value orientation and behavior performance of practitioners. In the face of the current situation that China's manufacturing industry is large but not strong, low in scientific and technological content, increasingly weak in development, and the task of structural adjustment, transformation and upgrading becomes more and more urgent, carrying forward the "spirit of craftsman" has become an inevitable trend to promote the development of China's manufacturing industry and meet the needs of customized flexible production. Only by integrating the spirit of craftsman with professional skills and cultivating high-quality craftsmen of great powers, can we improve the quality of Chinese products, create more outstanding brand, so as to improve the core competitiveness of enterprises in our country.

On the other hand, according to the employment Report of Chinese College Students in 2019 published by Mycos, theoretical knowledge and professional skills are important evaluation criteria and basic evaluation elements for technical skilled talents required by enterprises, while craftsman spirit is the core evaluation criteria and key evaluation elements for talents required by enterprises. Compared with professional knowledge and skills, enterprises pay more attention to students' professional dedication and responsibility attitude, which is exactly the connotation of "craftsman spirit". Awe of the profession, persistence in work, responsibility for products, attention to details, constant pursuit of perfection and the ultimate, high-quality technical and skilled talents who can integrate meticulous craftsmanship into every aspect of work are urgently needed by enterprises. This also requires vocational colleges to integrate

craftsmanship and vocational skills training in the process of talent training, pay attention to the cultivation of students' professionalism such as loving their jobs, striving for excellence, and continuous innovation, improving students' overall quality, and ensuring the talent needs of regional economic development [1].

Higher vocational colleges are the main base for cultivating high-quality workers and advanced technical talents. When the "craftsman spirit" has gradually been elevated to the height of the national strategy and has become an urgent need for enterprises, we must seriously consider how to integrate "craftsman spirit" into the whole process of vocational skill training, and how to better promote and inherit "craftsman spirit"[2].Based on this, combined with the practice of vocational college students majoring in electrical automation technology, this project integrates the "craftsman spirit" into the talent training system, comprehensively implements the objective requirements of the party's education policy and educational purpose, takes moral cultivation as the fundamental task, and vigorously promotes the "craftsman spirit". On the one hand, enhance the competitiveness of students themselves, better adapt to social development. On the other hand, to guide young students to set up a model and keep up with the model can form a good social atmosphere imperceptibly and promote social development.

2. CONNOTATION OF CRAFTSMAN SPIRIT

The "craftsman spirit" was first proposed by Nie Shengzhe, who trained a large number of woodworking craftsmen with superb skills. In a certain sense, the spirit displayed by these craftsmen is the "craftsman spirit". Nowadays, "craftsman spirit" has been given more connotations. Some scholars talk about the spirit of craftsmanship from the perspective of value. They believe that the spirit of craftsman is the value orientation of respect for a profession and dedication to work, and the pursuit of high quality products and services [3]. There are also scholars who talk about craftsmanship from the perspective of professionalism. They believe that the essence of craftsmanship is the kind of patience, focus, rigorous, meticulous craftsmanship, and the pursuit of the highest quality professionalism. Of

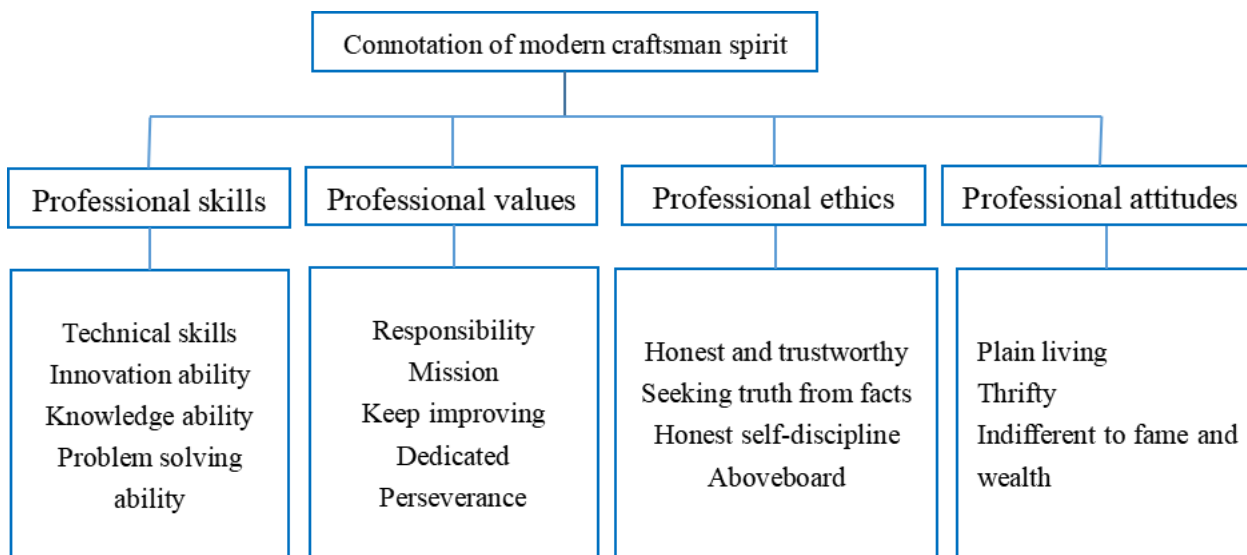


Figure 1. Connotation of craftsman spirit

course, there are some scholars who define the craftsman spirit from multiple dimensions such as product design, product quality, product technology [4]. They believe that the spirit of craftsman is the original originality in product design, the perfection in product quality, and the perfection in quality after continuous improvement and improvement in technical level. Different scholars have different understandings of the "craftsman spirit", but many scholars

have reached a consensus that the spirit of excellence, perseverance and innovation is the most important spirit in the transformation and development of modern society. After preliminary investigation, this project intends to integrate the craftsman spirit with professional skills, and construct the connotation framework of the modern craftsman spirit from the four dimensions of professional skills, professional values, professional ethics, and professional attitudes (Figure 1).

3. ANALYSIS OF THE CURRENT SITUATION OF THE INTEGRATION OF CRAFTSMAN SPIRIT AND VOCATIONAL SKILLS IN VOCATIONAL COLLEGES

3.1. Inaccurate Positioning of Craftsmanship in Higher Vocational Education

At present, most higher vocational colleges attach great importance to the cultivation of vocational skills in the top-level system design of education and teaching, but neglect the cultivation of craftsmanship spirit. The pursuit of various vocational qualification certificates and employment rate, and the weakening of the role of craftsman spirit in talent cultivation can benefit students in the short term, but it is not conducive to the long-term development of students. With the change of social development needs, it is urgent to make up for the shortcomings of higher vocational education and get rid of the misunderstanding of paying too much attention to skill teaching and neglecting the cultivation of professional quality. In the process of strengthening vocational skills training, we should also pay attention to the cultivation of craftsman spirit, so that the "craftsman spirit" can "take root" in vocational education and deliver useful, talented and moral high-quality technical skills for the society And then lay a solid foundation for economic development and scientific and technological progress.

3.2. The Cultivation of Craftsmanship Lacks Cultural Atmosphere

Under the background that the craftsman of big countries plays an increasingly prominent role in supporting China's development strategy, the cultivation of "craftsman spirit" has become an important part of the national transformation and development strategy. Enterprises pay more and more attention to the corporate culture with craftsmanship spirit, but the school fails to actively create campus culture containing craftsman spirit. Although the campus cultural activities of higher vocational students are rich and colorful, there are not many campus activities with the theme of paying attention to details, being rigorous and dedicated. Moral education activities themed on enterprise spirit and enterprise culture are rarely carried out, which cannot meet the social and enterprise demands for vocational quality and spirit of vocational students. Higher vocational colleges should make use of campus culture to infiltrate the spirit of craftsman into the process of students' ideological education.

3.3. The Construction of Teaching Staff Is Relatively Backward

Teachers' team is still the bottleneck restricting the development of vocational education. For a long time, the number of double qualified teachers in higher vocational colleges is relatively small, and the quality of double qualified teachers is not not high [5]. There is a big gap between them and the craftsman's skills. Some teachers in higher vocational colleges are directly employed after graduation. They lack enterprise experience and have little understanding of enterprise system, mechanism and culture, so it is difficult for them to undertake the task of inheriting the spirit of craftsman. Made in China 2025 puts forward new requirements for technical skilled talents and challenges the teaching and educating ability of higher vocational teachers. Therefore, it is urgent to build a double-qualified teachers team.

4. PATHS AND METHODS FOR THE INTEGRATION OF CRAFTSMAN SPIRIT AND VOCATIONAL SKILLS IN VOCATIONAL COLLEGES

4.1. Find the Orientation of "Craftsman Spirit" in Higher Vocational Education

When China's economy carries out strategic adjustment and the industrial mode is upgraded from the end of the industrial chain of processing and manufacturing to the innovative and skilled development mode with artisan spirit, it is bound to require vocational education to integrate the cultivation of technical and skilled talents with the cultivation of artisan spirit, so as to transform The manufacturing in China into the creation in China. Vocational colleges should fully realize the value of "craftsman spirit" for vocational education and the practical significance of college reform, innovation and development, and abandon the wrong idea of attaching importance to skills and neglecting the cultivation of "craftsman spirit". According to the characteristics of different specialties and combined with the needs of the market, the craftsman's excellent professional quality and meticulous and accurate professional attitude will run through the whole process of training technical and skilled talents in vocational education[6].

4.2. Actively Create A Campus Culture That Promotes Craftsmanship

For the influence and shaping of people, culture plays a subtle role. In the process of studying in school, students will naturally be influenced by campus culture. In order to let the spirit of craftsman take root and sprout in the hearts of students in vocational colleges, and blossom and bear fruit in vocational positions, vocational colleges need to make efforts to build campus culture with the spirit of craftsman. First, we will introduce the spirit of craftsman into the construction of campus culture. For example, we can place statues of outstanding craftsmen at all times and in all over the world in canteens, libraries and other public areas, and can display boards, posters and photo exhibition form to their spirit to effective injection in the process of the construction of campus culture, which really played a leading role in spirit. Coordinate the construction of online and offline positions, organize campus network tours on the theme of craftsman spirit, selection and display of outstanding works of craftsman spirit, etc., select models, promote in-depth publicity, promote the guidance and education of craftsman spiritual values, and cultivate students' cultural feelings of respecting "craftsman spirit". Second, we will strengthen cultural integration between schools and enterprises. Vocational culture is an important form of corporate culture. The effective integration of corporate culture and campus culture can cultivate students' career ideals and sense of belonging [7]. The integration of campus culture and corporate culture, on the one hand, can promote the industry culture and corporate culture that pay attention to quality awareness, carry out a variety of campus activities with the theme of attention to detail, rigorous focus, exquisite and single-minded, so that students have a more full understanding of the spirit of artisans in the enterprise. On the other hand, the school can introduce the enterprise culture into the campus through various forms, such as industrial culture into the campus, enterprise culture into the classroom, and closely combine the promotion of craftsmanship spirit with students' second classroom activities, throughout the whole process of talent cultivation, so as to promote students' growth and success and promote students' craftsmanship spirit cultivate.

4.3. Strengthen the Construction of the Teaching Staff and Cultivate Dual-Qualified Teachers

Teachers have a dominant position in the process of talent training, and are a key element to effectively integrate professional skills and craftsmanship. To enable students to have the spirit of craftsmanship, teachers must first have the spirit of craftsman, so as to influence and drive the transformation of our students' ideological concepts through a serious work attitude and a

spirit of pursuit of excellence. Therefore, vocational colleges need to build a team of high-quality professional teachers with noble ethics, excellent quality, and superb skills[8].

To build a team of teachers with noble morality and exquisite skills, the first is to implement the high-level talent introduction plan, actively introduce the national "ten thousand talents plan" leading talents and influential professional leaders at home and abroad according to the new talent policy at all levels. Relying on industry associations and overseas talent workstations, the company recruits high skilled leading talents such as technical experts and craftsmen of large countries from home and abroad. through government procurement services, school-enterprise sharing masters, etc., flexibly introduce industry-leading talents and master craftsmen. Improve the overall skills of the teaching team under the drive of "famous teachers" and "masters".

The second is to implement a dual-teacher quality education plan, select leading enterprises and establish doctoral enterprise workstations relying on Wenzhou enterprise comprehensive service platform; ; focus on the "1 + X" certificate system, cultivate vocational skill level certificate training teachers; school enterprise interaction, teachers enter enterprises to participate in technology research and development services or visit engineers to practice training, to understand the professional skills needs and expertise of enterprises The connotation of professional spirit lays an important foundation for the cultivation of talents; the technical backbone of enterprises enters the campus to guide practice, and further promotes the effective penetration of enterprise professional skills and professional spirit in the teaching process.

5. CONCLUSION

The craftsmanship spirit is the pursuit of originality in design, the pursuit of excellence in quality, and the pursuit of perfection in technique. It contains valuable qualities such as dedication, rigorous, pragmatic, innovative and hard work. It is an effective way to combine craftsmanship spirit and vocational skills to cultivate high-quality technical and skilled talents by actively creating campus culture to promote craftsman spirit, creating a double qualified team with "craftsman spirit", and integrating craftsman's excellent professional quality and meticulous and accurate professional attitude throughout the whole process of vocational education and technical skill training.

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