

Research on the Connotation, Current Situation and Approaches of Cultivating the Artisan Spirit of Vocational School Students in the New Era

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ABSTRACT

In the new era, with the rapid growth of economy and society in our country, teaching, as the significant section of economic and social development, has been frequently focused by our society. Vocational schools, the vital base to cultivate innovative talents, have exerted great functions to the national teaching reform and development of economy and society. How to cultivate the artisan spirit has become a contemporary theme in the new stage of boosting teaching quality and reforming the work of education and teaching. Realizing the connotations, current situations of artisan spirit of vocational students is the base and premise of cultivating their artisan spirit while studying the approaches of that is the final orientation and foothold. Accordingly, this research mainly gives a comprehensive analysis on the artisan spirit to render vocational education to serve for the economic and social development in the light of its connotation, current situation and approaches of vocational school students.

Key words: vocational school; artisan spirit; connotation; current situation; approaches

1. INTRODUCTION

When it comes to the word “artisan spirit”, it can trace back to the 2016 government work report in China. In that year's government work report, Li Keqiang mentioned the word "craftsman spirit" and it was mentioned again in the next 2017 government work report. Since then, the

artisan spirit has become a hot word of the times, which has been strongly advocated by people from all walks of life. Artisan spirit has become a kind of professional spirit, a kind of professional attitude and a kind of professional ethics. This undoubtedly shows that currently, with the rapid development of economy and society, it is very necessary and vital to cultivate and practice the artisan spirit.

In the field of education, as a specialized profession, students should internalize the spirit of craftsmanship, excellence, inheritance and innovation into their professional quality and practice it in their daily work. In the report of the 19th National Congress of the Communist Party of China, it is proposed to "build an army of knowledge-based, skilled and innovative workers, carry forward the spirit of model workers and craftsmanship, and create a glorious social trend of labor and a professional atmosphere of excellence". This requires that in the field of vocational education, vocational students should actively carry forward and implement the artisan spirit of students, reflect the labor spirit of students in this industry, create a good education and teaching atmosphere, and form the career oriented training goal of talents in vocational colleges.

In view of this, from the perspective of the connotation, current situation and ways of cultivating the artisan spirit of

vocational school students in the new era, this research comprehensively studies the artisan spirit in the new era by means of the literature review, some interviews and a case study for vocational education, so as to better contribute to China's economic and social development.

2. LITERATURE REVIEW

2.1 The Original Connotations of the Artisan Spirit

To fully understand the artisan spirit, everyone should first understand what is the artisan spirit. Nowadays, many people only know that artisan spirit is a hot topic, but have not understood its profound meaning, so that they cannot really understand the essence of it. Therefore, this part mainly discusses the connotation of the artisan spirit in vocational education. Starting with the analysis of the concept of the craftsman spirit, this research explores what kind of artisan spirit vocational students should have, so as to improve the level of vocational students.

According to Qu Weifang, a domestic researcher, mentioned that Craftsmen refer to the craftsmen with craft expertise, and spirit refers to people's consciousness and thinking. The so-called artisan spirit refers to a kind of value orientation and behavior performance of employees, which is a kind of professional spirit (Qu, 2019). In other words, the industry personnel have the unremitting pursuit of perfection in their industry. Among them, excellence is what we call the artisan spirit. Take the products made by ourselves as an example, generally, our staff with the artisanship spirit pursue refinement and perfection in product requirements, not to mention 100%, but at least require the perfection of their products to reach 99.99%, which is the embodiment of the artisanship spirit in the industry personnel.

2.2 The Innovative Connotations Of The Artisan Spirit

Of course, no matter what kind of spirit, with the development of the times, it will be

endowed with an era connotation and injected with the blood of the times. The artisan spirit is no exception. In the context of the new era, due to the needs of rapid economic and social development, the demand for the artisan spirit in all walks of life is becoming stronger and stronger. Manufacturing industry is the main body of the national economy, the foundation of building a country, the instrument of rejuvenating the country as well as the foundation of strengthening the country. Since the founding of new China, especially since the reform and opening up, the manufacturing industry in China has developed continuously and rapidly, which has laid a solid foundation for China to become a large and powerful manufacturing country. And two scholars, Ma Lei, Hu Yufei, have stated that China has also formulated the "three-step" strategy of transforming from a large manufacturing country to a powerful manufacturing country, and put forward "Made in China 2025". The key to achieving the goal of "Made in China 2025" lies in people and millions of "workforce" with the characteristics of knowledge-based, skilled and innovative craftsman spirit (Ma, 2019). Therefore, the strategic goal of manufacturing industry in China in 2025 also needs the spirit of artisan. As applied talents in the new era, students in vocational colleges should not only have professional knowledge and technology, but also have the value pursuit of high-quality products and the ultimate. They should have the spirit of craftsman, and use it to treat their careers and work, be serious and responsible, and complete their work with patience and confidence. Only in this way, can Chinese manufacturing industry occupy a leading position on the international stage, so as to promote the country to change from a large manufacturing country to a powerful manufacturing country. Additionally, based on what the scholar, Yao Hongxue has discovered, students and workers should be willing to contribute and have the spirit of innovation on the basis of being practical

and willing to work, so as to continuously promote product and process innovation and promote the progress of Chinese manufacturing industry (Yao, 2018).

2.3 The Summary of Previous Literatures

Based on the above analysis, it can be easily seen that the connotation of artisan spirit in vocational education can be basically reflected in three aspects: first, the quality of excellence, that is, the pursuit of fine and extreme value in their own industry. For vocational school students, they constantly improve their professional knowledge level and work practice ability, and being perfect and beautiful is the best embodiment of their artisan spirit; the second is to push through the old and bring forth the new, that is, to inherit the excellent experience left by the previous generation or predecessors, and be able to develop innovation on the basis of it. In the field of vocational education, vocational school students should not only constantly learn from the previous experience in their professional knowledge, but also make some innovations for their professional field through continuous personal practice; the third is to stick to it, that is, never forget the original intention and keep the mission in mind. In their own industry, they should always keep their original mission in mind and stick to their original intention. Vocational school students stick to their original direction and goal in continuous learning and development, and can face difficulties no matter what difficulties they encounter. This is the connotation of artisan spirit in vocational education.

3. RESEARCH DESIGN

3.1 Research Materials

By virtue of the literature review, a general understanding of the theoretical framework can be attained such as the connotation of the artisan spirit. According to this, this study collects effective information through literature reviews,

interviews and case studies, and studies current situation and ways of cultivating the craftsman spirit of vocational school students in the new era so as to better contribute to China's economic and social development.

3.2 Research Questions

In this study, two main research questions were raised as follows.

- 1) What is the current situation about the artisan spirit of vocational school students in the new era?
- 2) What valid and feasible strategies can be introduced to promote the artisan spirit of vocational school students in the new era?

3.3 Research Participants

This study mainly focuses on two research questions, taking the vocational teachers and students of certain vocational school in Sichuan Province of China as the research participants, and the case study as research method. And their detailed information is as follows.

Table 1. The Detailed Information of Research Participants

Participants	Gender	Age	Career	Teaching/ Learning Years
Zhang Yang	Male	46	Teacher	15
Chen Li	Female	23	Student	16
Wang Yong	Male	25	Student	17

3.4 Research Procedure

The whole research process of the artisan spirit is mainly composed of two parts. The first part is a case study of a vocational teacher Zhang Yang and two vocational students, Chen Li and Wang Yong, studying the current situation about the artisan spirit of vocational school students in the new era. Then, the second part is a case study of them to study some valid and feasible strategies that can be introduced to promote the artisan spirit of vocational school students in the new era. And some relevant interview questions are included in the following table :

Table 2. The Interview Questions

Item number	Questions
1	Do you know why the concept of artisan spirit has not yet been deeply rooted in the hearts of the people?
2	Whether have you realized the detailed aspects on the lack of vocational teachers?
3	What problems do you think may be like in the vocational curriculum?
4	What measures do you think can make the cultivation of the artisan spirit more normal?
5	Do you know how to strengthen the construction of vocational teachers?
6	Do you have any suggestion on integrating ideology and politics into the vocational curriculum?

4. RESEARCH RESULTS AND DISCUSSIONS

4.1 The Current Situation about the Artisan Spirit of Vocational Education

In recent years, although the artisan spirit has gradually entered the public vision, especially in the field of vocational education, the artisan spirit seems to have become a unique spiritual culture, which is increasingly favored and valued by many vocational colleges. Even these vocational colleges have infiltrated the artisan spirit into the study and life of vocational school students through continuous knowledge lectures and student forums, however, there are still many problems and difficulties in cultivating the artisan spirit of students in vocational colleges, and its current situation is not optimistic. Therefore, this part mainly analyzes the current situation of the cultivation of artisan spirit of vocational school students.

4.1.1 The Lack of Knowledge on the Concept of the Artisan Spirit

According to a targeted survey conducted by Wu Yanfang, who studied the degree of familiarity, recognition and interest of vocational school students in the concept of the artisan spirit, it was found that only 42% of vocational school students knew craftsmanship spirit, and the remaining 58% of vocational school students said they had never known craftsmanship spirit, which reflected that most vocational school students knew little about craftsmanship spirit (Wu, 2019). This shows that although the major vocational colleges have adopted different forms to introduce the artisan spirit, it has little effect, and the concept of artisan spirit has not yet been deeply rooted in the hearts of the people.

Consequently, through the case study, the teacher, Zhang Yang, was asked on why the concept of artisan spirit has not yet been deeply rooted in the hearts of the people and his answer is as follows:

In most vocational colleges, they pay little attention to the cultivation of students' career and professional beliefs. They just blindly teach students how to choose a job, but do not tell them the cultivation of some craftsman spirit after the occupation. They just want to achieve the goal of high employment rate and ignore the cultivation of the quality of employed people, resulting in a large number of vocational students focusing on high paid occupations, and a lack of cultivation of artisanship spirit of their own profession.

In addition, based on the research by Wang Liyuan, she also mentioned that the reason why the spirit of craftsmen is not deep enough is the lack of corresponding social and cultural atmosphere. In the process of vocational education, China pays little attention to the cultivation of professional spirit and the construction of social culture of excellence (Wang, 2014).

4.1.2 The Lack of Teachers with the Artisan Spirit

In the process of cultivating the artisan spirit, the lack of teachers is a key factor affecting the cultivation of artisan spirit of vocational school students. As a leader in education, teachers play an important role in cultivating students' artisanship spirit. To realize the detailed aspects on the lack of vocational teachers, the relevant interview was conducted for two students and their answers are as follows:

The strength of teachers is insufficient, that is, at present, many vocational colleges lack teachers with

artisanship spirit. It is easy for a teacher to have multiple teaching tasks, which leads to the situation that the teaching quality of artisanship spirit is difficult to guarantee (Participant 1).

The ability of teachers is insufficient. At present, teachers in most vocational colleges are inferior to teachers in colleges and universities in terms of teaching ability, scientific research level and cultural literacy, which leads to difficulties for many teachers in teaching artisan spirit and ensuring the quality of students' learning artisan spirit (Participant 2).

4.1.3 The Lack of Integration of Industry and Education

Nowadays, most vocational colleges cultivate specialized and professional talents, which means that vocational colleges should vigorously cultivate talents in professional fields with practical skills and practical work, focusing on the cultivation of professional skills. If students want to really internalize the artisan spirit, it must be through practical operation that they can be deeply rooted in the hearts of the people. However, practice cannot be practiced only in ivory tower schools, which requires vocational colleges to strengthen cooperation with enterprises and build a bridge for students to cultivate artisanship spirit. However, as the teacher, Zhang Yang mentioned, the current situation is that many enterprises are unwilling to join vocational colleges, because the support for vocational education is not deep enough, and the cooperation between vocational colleges and enterprises is still very shallow. This situation is also very unfavorable to the cultivation of the artisan spirit of vocational school students.

4.1.4 The Lack of Awareness and Recognition of Career

As we all know, in today's society, the educational background of vocational school students is not enough, their cultural foundation and knowledge level are low, and their learning methods and learning attitude are inferior to those of colleges and

universities. In addition, the society is not optimistic about the students of vocational colleges, which leads that many vocational school students abandon themselves, gradually lose their interest in learning, and have low intention of learning, mostly turn to the direction of making a living and employment, and their learning efficiency is low. This leads to the poor learning initiative of vocational school students in learning the artisan spirit. Imagine that they are in the state of vocational education, and they may be unwilling to learn their majors well and lack motivation, so it is conceivable that the learning of the artisan spirit is under the call of the new era. Therefore, the lack of learning initiative of students also causes resistance and difficulties for the cultivation of the artisan spirit.

4.1.5 The Problems in the Curriculum

At present, there are also great problems in the curriculum in vocational colleges. In vocational education, professional talents are mostly cultivated. Therefore, more professional courses are set in the curriculum, and the courses are disordered and lack of systematizations. It gives people the feeling that learning from the East and the west cannot be systematically integrated, which is also attributed to the disorder of the curriculum. In addition to the lack of systematic accidents, the class hours of professional courses are also long. In addition, the teacher, Zhang Yang, who was interviewed on the problems in the curriculum, added:

Students are tired of learning professional courses, and there is no spare time to complete their studies. How can we digest the artisan spirit of the new era? Even if you study, you may be afraid that it is shallow and easy to hide. Although you understand the surface meaning, I am afraid the meaning of its connotation cannot be deeply understood.

Therefore, it is not difficult to see that in vocational education, the curriculum is not consistent with the artisan spirit, which also imposes difficulties and

obstacles for the cultivation of the artisan spirit of vocational school students.

4.2 The Corresponding Strategies of Cultivating the Craftsman Spirit in Vocational Education

According to the current situation and existing problems in the cultivation of the artisan spirit of vocational school students mentioned above, it is imaginable on how to change the current situation on the cultivation of the artisan spirit and promote the artisan spirit to penetrate into the education and teaching of vocational colleges in a more comprehensive way. Therefore, this section mainly discusses the ways and methods on the cultivation of the artisan spirit of vocational college students.

4.2.1 Pay More Attention to the Cultivation of Craftsman Spirit

In view of the fact that the majority of vocational school students are not familiar with the concept of craftsman spirit and the concept of craftsman spirit cannot be deeply rooted in the hearts of the people, in the final analysis, all sectors of society do not pay enough attention to it, and there is no good social and cultural environment of construction for cultivating craftsman spirit. Although the craftsman spirit was once mentioned in the government work reports in 2016 and 2017, which has attracted extensive attention from all sectors of society, it only aroused a little spray at the social level and had no practical effect.

In order to make the cultivation of the artisan spirit more normal, the interviewer, Chen Li, mentioned:

All sectors of society are required to give institutional and policy support to the cultivation of the artisan spirit, so that the cultivation of artisan spirit can have a certain institutional guarantee. In addition, some useful measures can be appropriately introduced to encourage vocational educators to better contribute to the cultivation of the artisan spirit. These will undoubtedly enhance the initiative of vocational school students in learning artisan spirit.

Additionally, one researcher, Bao Yonghua, stated in his research that we should establish and improve the evaluation mechanism for the cultivation of the artisan spirit, so as to be impartial, fair and reasonable. Finally, a long-term mechanism for the cultivation of the artisan spirit should be constructed, because the cultivation of artisan spirit is not achieved overnight (Bao, 2017). Through the above series of measures, it is undoubtedly necessary to create a positive social environment and a social atmosphere advocating the craftsman spirit for the cultivation of craftsman spirit of vocational school students, so as to promote vocational school students to learn craftsman spirit and practice the positive attitude of craftsman spirit, so that vocational school students are more familiar with the concept of craftsman spirit and the concept of craftsman spirit is more deeply rooted in the hearts of the people.

4.2.2 Strengthen the Construction of teachers in Vocational Education

In view of the lack of teachers for the cultivation of the craftsman spirit in vocational education, we can continue to strengthen the construction of teachers. In terms of the shortage of teachers, we can improve the current situation by strengthening teachers and improving teachers' professional ability in vocational colleges. As for the level of teachers, vocational colleges can continuously introduce excellent teachers with artisanship spirit to inject fresh blood into the vocational teachers' team and expand the teachers' team with the artisanship spirit of vocational education. These excellent teachers can be given richer conditions, such as salary and other welfare benefits, so as to attract more excellent vocational teachers with artisanship spirit.

In addition, as the interviewer, Wang Yong said in the interview:

At the level of teachers' professional ability, more teachers do not have the knowledge and professional ability of artisanship spirit. Therefore, vocational colleges can strengthen the training of

vocational teachers, train teachers' professional knowledge, improve teachers' professional level, so that teachers have enough knowledge reserve and ability of the artisan spirit, and lay a good foundation for the cultivation of artisanship spirit of vocational college students.

4.2.3 Strengthen the Cooperation between Colleges and Enterprises

Based on the lack of in-depth cooperation between vocational colleges and enterprises, vocational colleges should continue to strengthen the cooperation with enterprises to build a practical bridge for vocational school students to cultivate the artisan spirit. Only through the platform of enterprise can students better practice the artisan spirit and deeply experience the concept of artisan spirit. The ultimate goal of vocational colleges is to cultivate talents with professional practical ability. Therefore, vocational colleges should strengthen close cooperation with enterprises and improve the practical ability of students' artisan spirit. However, at present, the reason why most enterprises are unwilling to cooperate with vocational colleges is that the employment quality of enterprises cannot be guaranteed. In today's era, many vocational college graduates do not have a deep understanding of their career and lack of loyalty to their career. They still stay in the concept of high salary employment, which cannot guarantee the employment quality. In addition, in the eyes of most entrepreneurs, vocational school students not only lack knowledge and culture, but also professional practice ability, which is also the reason why most enterprises are unwilling to cooperate with vocational colleges.

In view of this, vocational colleges should strengthen the training on the vocational concept of students and improve their professional level. At the same time, they should also continue to strengthen the training of professional knowledge and skills, improve the knowledge and cultural level and professional practice ability of

vocational school students, which will make enterprises more willing to cooperate with vocational colleges, change their views and prejudices towards vocational school students, and provide a practical platform for the cultivation of the craftsmanship spirit of vocational school students. The cooperative education mode is also a new on-the-job training. Students can fully clarify the content of on-the-job training during their internship in enterprises, and can work directly after graduation, so that their employment quality will be improved and the turnover rate will be reduced.

Therefore, Zhang Xiaoying, a scholar, deems that in the process of practical application of the cooperation between school and enterprise, different occupations must be planned and described in detail to ensure that students really master the essentials of the post and skillfully apply the post skills (Zhang, 2019).

4.2.4 Improve the Awareness of Learning the Craftsman Spirit

According to the current situation of students' low initiative and lack of motivation in the cultivation of artisan spirit, we can only improve this situation through students' own efforts to continuously improve the awareness of learning the artisan spirit and integrate the artisan spirit with their own learning. So what ways can students improve their initiative and awareness of learning the artisan spirit?

It is mainly reflected in the following four aspects. The first is to establish the awareness of perfection and excellence. In other words, vocational school students, whether in their own work or any small matter in their study and life, should complete it as best as possible. Even if they cannot achieve 100% of the effect of a thing, they should also try their best to do it as best as possible. They should have the quality and attitude of excellence in their own study and work; the second is to constantly hone himself or herself and improve their professional level, that is, vocational school students should be down-

to-earth in their study and work. They should not only learn their professional theoretical knowledge, but also put what they have learned into practice and improve their practical ability. They should be familiar with every detail and step of their work and practice repeatedly to show their professionalism in their professional field; In addition, establish the quality of perseverance and facing difficulties. Vocational school students will encounter many difficulties and problems in both study and work. Therefore, students should always stick to their position, treat their problems with a patient and positive attitude, find solutions to problems, stick to their original intention of career, never forget their mission, and be a qualified contemporary vocational student; finally, the most important thing is to cultivate their own innovation consciousness. In the new era, with the rapid development of economy and society, innovation has become an indispensable condition. Vocational school students should show their innovation consciousness in both their thoughts and actions, and better carry forward the artisan spirit, so as to better contribute to social development.

4.2.5 Integrate Ideology and Politics into the Curriculum

According to Xu Han, a domestic researcher, he mentioned the ultimate goal of education is to realize that everyone has the ability of individual and social life (Xu, 2004). Based on the current situation that the curriculum of most vocational colleges is divorced from the artisan spirit advocated in the new era, vocational colleges should reform the curriculum and change the traditional curriculum to make the curriculum of vocational school students consistent with the artisan spirit. In other words, in the curriculum, we should fully integrate the artisan spirit and make the curriculum aim at the future professional development direction of vocational school students.

However, how to integrate the artisan spirit into the curriculum

construction? This requires vocational school teachers to organically combine the spirit of the times with classroom teaching in the teaching process, and innovate the teaching methods of vocational school teachers. Make their classroom teaching interesting and increase the vocational school students' interest in learning artisan spirit. In addition, in order to make students more fully understand the concept of the artisanship spirit, vocational school teachers can try to infiltrate artisanship spirit into more teaching links to lay the foundation for students' all-round development of artistry spirit.

Moreover, the teacher, Zhang Yang, added his opinions in the interview:

Vocational colleges can also appropriately add the artisan spirit elements to their teaching activity design, so that students can not only have theoretical knowledge about artisan spirit, but also experience its connotation in practical activities, to provide more opportunities and platforms for vocational school students to better practice artisan spirit.

5. CONCLUSION

To summarize, by analyzing the connotation, current situation and ways of the cultivation of artisan spirit among vocational school students, it is not difficult to see that strengthening the cultivation of artisan spirit is the key content in the development of vocational colleges at this stage. However, there are obvious defects in the current education and teaching system of vocational colleges, and there is a lack of education and teaching mode of the artisan spirit.

In the new era, in the process of practical development, vocational colleges should establish a good campus culture and create a good atmosphere for the cultivation of craftsman spirit and strengthen the construction of teachers: teachers constantly improve their professional ability, and constantly expand the teaching staff of craftsman spirit training in vocational colleges; and implement the cooperation

between school and enterprise and build a better bridge for the cultivation of craftsmanship spirit of vocational school students. At the same time, students should also learn the craftsman spirit with a more positive attitude, so as to add internal motivation to the cultivation of craftsman spirit of vocational school students; Vocational college leaders should also constantly update and reform the curriculum construction to meet the call of the cultivation of craftsman spirit in the new era, to jointly promote the cultivation of craftsman spirit of vocational college students and promote the integrated development of vocational school students in the future.

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