Research on The Dilemma and Development of Vocational Education Management Mechanism Based on Computer Software Technology

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Abstract. In recent years, China is trying to develop various educational systems. The system of higher education is the main concern of China's education policy. The second concern is vocational education. At present, the management situation of Vocational Education in China is not optimistic [1]. We can not think that all the mistakes are caused by the neglect of the society. In the highly developed computer software technology today, experts suggest that we can use software technology to study various problems of vocational education management mechanism. This paper describes the current situation of the management system of vocational education. The characteristics of the management system are also mentioned in the article. On this basis, this paper also puts forward the development method of management mechanism which can improve the quality of management.

Keywords: Software, Vocational Education, Management, Dilemma

1. Introduction

Today's main source of social development is knowledge, knowledge can make the social economy more full. The development of vocational education can not be ignored. Although there is a big gap between its academic level and the level of ordinary colleges and universities, it can bring a lot of talents to the society. The implementation of the policy of invigorating the country through science and education in China is a very correct choice [2]. Now the development of education is indeed a very good phenomenon. However, there are many problems in the internal management mechanism of vocational education. Its dilemma is concerned by many scholars. How to use reasonable means to solve these problems is a hot issue in the field of education.

With the rapid progress of today's computer technology, people gradually found the wide application of software technology in our life. It makes our life more harmonious and colorful. Facing the severe management system of vocational education, experts believe that the application of software technology in education can effectively solve these problems (see Figure 1). People gradually found the application of software technology in school management. This paper briefly describes the current deficiencies of vocational education management system. This paper proposes other development methods to improve the quality of management.
2. The current situation of vocational education management mechanism

2.1. Nature of vocational education management mechanism
In fact, the management system of vocational education is the combination of Higher Vocational organization management and various systems. It will affect the development trend of the educational management system in higher vocational colleges. Generally speaking, experts like to use two dimensions to analyze the management mechanism. The first dimension is macro observation. The second dimension is the micro internal experience. However, the nature of the management mechanism of vocational education is theoretical.

![Figure 1. The present situation of vocational education.](image)

2.2. Management mechanism from macro perspective
Macro point of view refers to the relationship between vocational education schools and local government. Generally speaking, the policies issued by the government will affect the academic level and management system of vocational schools. Generally speaking, there are two basic points in the management of Vocational Education in China. The first is polarized management. It has been based on the provincial management system. The second is the assistance management of the education department. It is also what we often call the management mechanism of enterprise establishment.

2.3. Management mechanism from micro perspective
The internal management mechanism of vocational education is very complicated. However, its division of labor is also relatively clear. However, compared with the macro external management, the internal management is very poor. Although the division of labor among departments is clear, employees still rely on their superiors. Part of the repeated setting also disrupted the order of division of labor. In addition, the management of teachers is lack of incentive mechanism and feedback mechanism.

2.4. Management mechanism of students in vocational education
Many vocational education units in our country mainly take examination and enrollment as the main business. However, the proportion of enrolled students will be affected by registered residence and gender. Moreover, the size of students will also be limited by the indicators given by their superiors. The old ways of teaching and managing students are the same. Some of the institutions created for students are also inhumane. In fact, the management of students is relatively scarce.
3. The main characteristics of vocational education management mechanism

3.1. The trend of diversification and marketization of teaching environment
The main purpose of vocational education is to teach students the idea of employment. It can teach students more vocational skills [3]. The main purpose of vocational education is to cultivate a group of skilled talents who can adapt to social production and social service. Therefore, the teaching environment is not single. The general practice course teaching place will be arranged in the enterprise. Some schools will also adopt the teaching method of combining production with teaching to cultivate professional talents.

3.2. The universality of recruiting students
Educational circles advocate the concept of lifelong learning. In today's society, this concept is very important. Today's vocational schools are not just students. Many people in the community also sign up for vocational education. Some enterprises even encourage many employees to study in vocational schools. Compared with other schools, the characteristics of students' universality in vocational schools are unique.

3.3. Flexibility in connection with society
Compared with other ordinary colleges and universities, the teaching content of vocational schools is closely related to the society. Generally speaking, the higher academic level of vocational colleges can not be well reflected in the culture of large groups of society. However, the vocational skills of its graduates are more significant in the process of social progress. Therefore, the connection between vocational school education and society is very flexible. It may be closer to the edge of society.

3.4. Openness of teaching ideas
The previous examination oriented education limited people's educational ideas to cultural achievements. Now many colleges and universities can not get rid of the aura of examination oriented education. The teaching idea of vocational colleges is very open. It will not be limited in the process of students' theoretical knowledge learning. Compared with theoretical knowledge, it pays more attention to students' practical ability. On this basis, its management thought also presents the characteristics of openness.

4. Analysis of the dilemma of the current vocational education management mechanism

4.1. The educational management mechanism based on academic qualifications is vague
Vocational education includes diploma education. Academic education has become a major way for college graduates to improve their academic qualifications. It is in charge of the education department. It is also planned by the labor and social security department. However, the current management of academic education is vague. It has some shortcomings, such as decentralized management and inconsistent policies. It will even lead to the waste of funds and resources. Fortunately, this problem has attracted the attention of local governments (see Table 1).

Table 1. The dilemma of vocational education management mechanism and the main solutions.

| Dilemma                  | Object          | Terms of settlement |
|-------------------------|-----------------|--------------------|
| Fuzzy management        | Educational services | Unified management |
| Management disconnection| Education content  | Connection of knowledge |
| Business uncoordinated  | Various departments | Conference system |
| Participation is not high| Staff            | Distribution balance |

4.2. Disconnection of vocational education management
Vocational education institutions can be divided into two different parts. The first part is secondary vocational education, the second part is higher vocational education [4]. They belong to two different
departments. However, there are many uncoordinated problems in the management mechanism. Scholars also found that the management content of secondary vocational education and higher vocational education is not coordinated. It seems difficult for them to complete the process of knowledge convergence.

4.3. The disharmony of business management among various departments of vocational education
In the internal management of some schools, this kind of uncoordinated phenomenon is generally related to finance. We know that the administrative department is mainly responsible for the business management of education. The financial department is mainly responsible for the statistics and mobilization of funds. Due to the uncoordinated operation of funds, many schools began to use the decision-making method of conference system. This method can accomplish some low-level tasks. When facing some problems, it lacks authority.

4.4. Unbalanced task distribution and low social participation
Compared with the county-level educational institutions, the management mechanism of municipal educational institutions is relatively clear. However, they all have the same problems. The task allocation of internal personnel is unbalanced. Some people do nothing every day. Others are busy every day. This lack of management results in the low level of social participation of internal employees. Employees cannot be integrated into the innovative management mechanism.

5. Development direction of solutions to the dilemma of vocational education management mechanism based on computer software technology

5.1. Management measures for vocational education through computer software
In fact, the management mechanism of computer is inhumane. However, its efficiency is very high. Vocational schools can develop an intelligent management software. This software can be responsible for internal teacher check-in, task allocation and other related matters. In addition, it can also complete the task of student management. It can store students' personal information. Intelligent teaching can also be used to improve students' learning quality.

5.2. Computer network can be responsible for connecting all links of vocational education
According to the above description, we know that the relationship between higher vocational education and secondary vocational education is opposite. They don't seem to have any connection. Through computer software, we can establish a connection between them. Through computer software, we can combine the contents of their courses. After passing the secondary vocational education, students can directly study in higher vocational education through the application of network software.

5.3. The operation of funds in the management mechanism is very important
Nowadays, there are many loopholes in the management mechanism of vocational education. Institutions still need more capital management mechanisms. The state should increase the local government's economic investment in vocational education. On this basis, the government should also encourage all sectors of society to help improve the various management mechanisms of vocational education. Both lectures and training are reasonable. This will not only increase the credibility of the government, it will also increase the size of schools.

5.4. Using computer software to establish a platform for the combination of production and education
The main purpose of vocational education is to cultivate skilled talents who can serve the society. It pays more attention to students' hands-on ability [5]. In today's society, there is a large demand for skilled talents. Vocational schools can combine with enterprises to establish a platform for the combination of production and education by using computer software. Students can find internship
opportunities in the Internet platform. Enterprises can also hold some scientific research project competitions.

6. The factors that influence the development of current vocational education management mechanism based on computer software

6.1. Closed management system of the school
Many vocational schools don't like to cooperate with other enterprises. We can't think of it as a mistake. However, it does limit the development of school management mechanism. The combination of vocational schools and enterprises can help schools find their own management deficiencies. Enterprises can not understand the development of vocational colleges. Closed management system is also a way of chronic death.

6.2. Insufficient investment in computer software technology
The internal management mechanism of some schools is chaotic. They are usually used to operate the management system in the traditional way of manual management. However, the efficiency of this management method is very low. Unfortunately, many schools invest very little in computer software technology. There is a vicious circle. The author thinks that this kind of situation is the main factor of the insufficient development of vocational education management mechanism.

6.3. Lack of social power
Many people are tired of the form of vocational education. They think that there is a big difference between vocational education and higher education [6]. This view is one-sided. Indeed, higher education can impart more theoretical knowledge to students. However, vocational education can cultivate students' strong practical ability. This one-sided view reduces the social power of vocational education. Its emergence leads to the lack of support for vocational education.

7. Conclusion
Similar to the means of higher education, vocational education also needs more progress and development. At present, we think that the management mechanism of vocational education based on computer software technology can resist many difficulties. Maybe the result is not satisfactory, we will still strive to move forward.

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