New Paths of Student Management in Higher Vocational Colleges under the Background of Informatization

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Abstract: *The students of Higher Vocational Colleges (HVC) are increasingly complicated and the quality of students is uneven, which increases the difficulty of student management. In recent years, driven by the new teaching management concept, the transformation of the traditional student management mode has become the internal requirement for student management in HVC. Student management should pay attention to the changes in the overall environment and deepen the reform based on reality to solve the practical problems in student management using new technology to empower management. Therefore, it is necessary to promote the information construction of student management in HVC. In this background, this work first analyzes the informatization literacy of teachers and students in HVC, and then proposes the informatization under the background of higher vocational college student management problems, including student management work information technology using lack of concept support, student management of all kinds of information technology utilization, information technology facilities construction. In the end, this study proposed innovative paths of student management in HVC, including attaching importance to information technology to shape the educational information campus, the application of student identification information platform, increasing the investment of multimedia management software equipment, and strengthening the information technology ability training of student management team.*

Keywords: *New paths; Student management; Higher Vocational Colleges; Informatization*

1. Introduction

At present, the higher vocational education has entered a new stage of development. It is manifested in the expansion of the enrollment scale of HVC, the perfection of the enrollment system, the diversification of the school-running mode, and the innovation of the management system. This also promotes the expansion of the student management function and increases the difficulty of student management. Many HVC actively promote the construction of student management information, but the level of information management is generally not high [1]. There is still a lack of a perfect management system and people-oriented management care. It is the key to the advantages of vocational colleges to clarify the information construction of student management in vocational colleges and find the new mode of student management. In essence, the reform of student management information can further improve the effectiveness of student management in HVC, better serve the majority of higher vocational students, and truly reflect the people-oriented management concept. The informatization of student management will also reduce the management pressure of front-line counselors, inject vitality and provide support for their management practice. With the continuous reform of education, the advanced education management experience and mode have been promoted, and the responsibility and content of student management have also changed accordingly. Student management affairs also present a new historical background in higher vocational education. This is to adhere to the moral education, which aims to highlight moral education, emphasize the overall training of students, and constantly expand the management function. It also means that management is more complex and diverse. It is a necessary requirement for the improvement of student management to systematically summarize the actual situation of student management and student management informatization construction in HVC, thus clarifying the existing deficiencies and putting forward innovative countermeasures. This paper not only draws on the research results of existing scholars but also pays attention to the new student management concept and information management result to deeply explore the innovative measures of student information management.

2. Current situation of information literacy of teachers and students in HVC

2.1. Current situation of information literacy of frontline counselors in HVC

At present, many counselors in HVC do not know much about the information management of credit education and have not received systematic information technology training. There are some problems, such as a lack of information management ability and lack of information management experience. From the feedback of willingness, most counselors are willing to devote a certain amount of time and energy to studying the content of students' information management, hoping to master information management technology and improve the effectiveness of student management. However, there is also a lack of some counselors who believe that spending a lot of time and energy in learning the content of students' information management is not worth the loss, and they also show a lack of confidence or resistance to the learning of information management technology. Some counselors also report that the current management task is heavy and they want to learn students' information management technology, but their time and energy are limited [2].

2.2. Current status of information literacy of students in HVC

The information literacy of higher vocational college students is not optimistic. Due to their young age and their lack of correct and stable world outlook, outlook on life, and values, they are easy to be affected by negative information when using information technology. It is easy to have a negative understanding of how to correctly use information technology. Also, using information technology to improve themselves can indulge in the virtual world that cannot extricate themselves. The improvement speed of information literacy of students in HVC is slow, and most of them are in a spontaneous state. They will understand information technology according to their own preferences and moods, and the internal drive of information technology learning is weak. Therefore, how to correctly guide higher vocational college students to make good use of information technology is very challenging work.

3. Problems exist in student management in HVC under the background of informatization

3.1. Student management work lacking concept support for the application of information technology

The application of the existing basic information technology in HVC is not sufficient. The information support for student management is generally less, and the pace of information construction is slow. The value of information technology enabling management is not fully highlighted. And there are also problems behind this hardware equipment aging, and in this way, software development and utilization are not in place with problems. Tracing back to the source, HVC lack attention to the construction of student management information, which leads to the lag of the application concept of student management information technology. First, although HVC have attached great importance to the use of new media and new technology, the degree of attention is not high, and the information technology enabling management is still in the primary stage. Whether school administrators, leaders or front-line teachers, the understanding of student information management is not in place and the attention is not enough. The construction of student management information technology has been hindered. Second, the construction of student management information needs support, especially the support from managers. Managers responsible for student management need to invest a lot of time and energy to research information management. However, at present, the teaching staff is not ideal, and some student management teachers still follow the traditional working mode, and there is a strong resistance to the learning of information technology. Student managers have differences in their understanding of information management, which also affects the process of school student management information construction. Third, some student managers did not participate in new kinds of training in time, and thus the information level is generally low. In the operation of the student management information system, there are many irregularities and misoperations, which cannot achieve the expected effect.

3.2. Inadequate use of information technologies in student management

Related persons also have various problems in different situations. To carry out student work in HVC, we should pay attention to daily management and detail management, and strengthen the

infiltration of humanistic management concepts. The management of students in HVC should explore from the student level, pay attention to students' learning, life, and psychological needs. This is useful to meet the management needs, help students standardize their words and deeds, and form the correct three views. Carrying out information technology construction and building a student management information platform can better summarize the development of students and identify and warn students' illegal words and deeds, whose advantages are obvious in the current environment. However, the reality is that in the information management of students in HVC, the information technology means are backward, the platform construction lags behind, and the application of information technology is insufficient [3].

3.3. Insufficient investment in the construction of information technology facilities

The campus wireless network coverage is not sufficient, and the staff dormitory network signal is weak. At present, the wireless network of HVC has not achieved high-intensity coverage of the whole campus, and the network signal of some teaching buildings is poor. Especially when online rain teaching in class, students need to log in to the mobile APP port to sign in for interactive learning. The second is the outdated multimedia equipment, which is the technical carrier to support the teaching of ideological and political courses. Real-time upgrades of multimedia equipment can enhance the fun of classroom teaching, such as the installation of a 4D projector, to enhance the situational experience and authenticity of the classroom. The investment in new technology will be relatively large, which also brings greater pressure to the financial resources of HVC. The investment in the construction of information technology facilities is still insufficient, which is a more realistic and prominent problem. The reason for the insufficient investment in the construction of information technology facilities lies in the characteristics of The Times of student management in HVC and the lack of management concepts.

4. Innovation of student management in HVC

4.1. Attaching importance to information technology to shape the educational information campus

The top priority is to attach importance to information technology and build an information campus. In practice, we can rely on the student management platform and cooperate with the mobile phone terminals to establish the digital campus of HVC and integrate management and service. Through the development of the campus one-card system, the management can be integrated and refined. The one-card system supports canteen consumption management, library borrowing management, campus network access control management, and medical service management [4]. It can accumulate large amounts of valid data for personal recording during its operations. The campus card is registered and bound with the student ID, becoming the exclusive ID account for everyone, and connected to the mobile phone to serve the student's study and life. At the same time, the consumption status of campus cards, Internet access status, student financial aid status, and the consumption situation of students can be analyzed and evaluated by the actual living conditions of poor students. The evaluation model of poor students can also be established, so as to scientifically realize humanized service funding. The relevant data of the use of campus cards can be obtained from the website, teachers and students can truly experience the superiority of information technology, and penetrate the relevant ideological and political education according to the actual data, skillfully use big data to support student management and achieve good results of management and service education.

4.2. Students agree with the application of the information platform

At present, the construction of the school information system platform is constantly strengthened. Thus, students enjoy the autonomy of learning, which can make learning flexibility higher and learning efficiency significantly improved. Many HVC have developed information cards closely related to students' study and life, such as students' ID cards, access control cards, campus cards, library cards, and meal cards. These cards can be managed uniformly, avoiding the chaotic use of various cards and greatly facilitating students' daily lives. All kinds of cards belong to the unified information terminal, and a massive information can enter the student management system. To realize intelligent management and information management, it requires students to have good information literacy. In the process of cultivating students' information literacy, we should deal with the interference of bad external factors reasonably. The students' mind is not mature enough, and it is obviously disturbed by external factors. This also needs to attract the attention of student administrators. Only by strengthening

the cultivation of information literacy of students in HVC, guiding them to avoid bad surfing habits, and improving their immunity to network temptation, can they identify with the information platform on the basis of good information literacy. As such, the reasonable use of the information card, really lets the information system serve their study and life.

4.3. Increasing the input of multimedia management software and equipment

The development of student management in HVC requires not only the support of information technology but also the support of advanced new technology and new media. This requires the school to allocate special funds to provide support for equipment procurement, management and use, and further enhance the degree of campus information construction. In addition to increasing the number of computers on the existing basis, it also needs to add multimedia equipment, and introduce advanced management information systems to fundamentally improve the quality of student management information. For example, the introduction of multimedia equipment can help students to form a new information cognitive structure, making students participate in information management in good interpersonal interaction. This can be conducive to cultivating students' exploration ability, and stimulate students' creative potential.

4.4. Strengthen the information technology ability training of the student management team

It is essential to conduct IT ability training for student management teams. On the one hand, information technology ability training is carried out for all part-time counselors of leading cadres, so that they can learn information technology consciously and through multiple channels, and master and apply it. In the information technology ability training, we should focus on the information management security literacy training for information managers and network student management leaders. The school has established a strong teacher information technology service team. On the other hand, the training should be oriented to the school party committee propaganda department, ministry of higher vocational college students management window of management of information reform, thus establishing a more effective and unified management platform. This can be conducive to making managers learn information theory, and master information technology by using the management platform of data management students [5].

5. Conclusion

HVC must take the challenge of starting the reform of student management to truly empower student management with information technology, and solve the problem of low efficiency and low quality of student management. Therefore, the information construction of student management in HVC is an inevitable requirement of school development, and also the internal call for student management reform. In this context, this work analyzes the current situation of information literacy of teachers and students in HVC and the problems of student management in HVC under the background of information. This work also proposed the innovative paths of student management in HVC. After clarifying the ideas and measures of the information construction of student management in HVC, we hope to integrate various management contents of students with the advantages of information technology management and improve the fine level of student management. It not only reduces the management pressure of student managers but also brings students a good experience of humanized management.

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