

Thoughts on Informationization of Student Management in Higher Vocational Colleges in the Era of "Internet Plus"

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Abstract: Student management in vocational colleges is an important component of university management. The informationization construction of student management in vocational colleges directly affects the level of informationization construction in university management, and is a key link in the modernization construction of student management in universities. In the context of the "Internet+" era, this study conducted research on some vocational colleges in Xiamen, analyzed the current situation and problems of information technology construction in student management in vocational colleges, identified the reasons that hinder the construction of information technology in student management in vocational colleges, and proposed effective ways to solve the problem of informationization construction in student management in vocational colleges. These solutions aim to expand the connotation of student management and further improve the theoretical system of student management in universities in order to meet practical needs.

As an important part of college management, student management in higher vocational colleges has always been highly valued by educators, especially in the context of the "Internet plus" era, people put forward higher requirements for student management in higher vocational colleges, which makes student management tend to information-based development. It is undeniable that the development of student management informatization in higher vocational colleges at this stage still needs to be improved in some aspects, which requires us to conduct in-depth investigation and thinking around the construction of student management informatization in higher vocational colleges in the context of the "Internet plus" era, and provide some help and support for the solution of related problems.

1. Analysis of the Current Situation of Student Management Informatization Construction in Vocational Colleges

Student management, as an important component of school management, its level of informatization is related to the overall informatization and modernization quality of the school. It is not only a need for the development of the school, but also a need for future talent cultivation in

society. In order to understand the current situation of student management informatization construction in higher vocational colleges, we investigated the operation of student management informatization products, users' information literacy, usage, use satisfaction, managers' management methods, construction concepts and other contents by issuing questionnaires to higher vocational colleges in Xiamen. At the same time, in-depth interviews were conducted with key personnel in the informationization construction of student management in some vocational colleges, and information technology product experiences were conducted as managers and users. In addition, the research also conducted inquiries and uses of student management information products from various vocational colleges on the internet as visitors [1].

1.1 Information construction and operation of student management

With the maturity of network information technology, most vocational colleges have built school websites and departmental websites, opened public community services such as Weibo and WeChat, and actively promoted the construction of digital campuses. Many vocational colleges have made in-depth attempts in teaching and management informatization, building MOOCE learning platforms and promoting office automation platforms, and have also achieved certain results. Many colleges and universities have independent business systems in departments such as academic engineering, academic affairs, personnel, and finance. Information sharing is mainly between the internal businesses of business departments, which can meet the needs of internal information sharing and business flow, and achieve automated management work [2]. Most colleges and universities lack unified planning and top-level design. The separation of resources between the established business systems is serious, and there is an information silo.

1.2 Satisfaction with Student Management Informatization Construction

Putting people first is the core of management, and information construction can only start from the most urgent and practical needs of managers and students, in order to better serve the growth and development of students, which is the starting point and foothold of student management information construction. The survey found that 36.03% of respondents expressed satisfaction or satisfaction with the school's information technology construction, while 29.97% felt average.

In a survey on the evaluation of students' use of information technology products, it was found that 63.98% felt that the network system services were unstable and often made mistakes, while 55.53% felt that information updates were not fast enough and the content was not sufficient. In the satisfaction survey on student management informatization construction, 41.03% of respondents hold a satisfied or relatively satisfied attitude towards the construction of student management informatization in our school, 58.11% of respondents express dissatisfaction or average, of which 34% are dissatisfied with the current campus student management informatization construction [3].

1.3 Student managers and information literacy of students

Firstly, in terms of the concept of information technology application, most respondents believe that it is necessary to apply information technology to the field of student management in vocational colleges. Among them, 22.48% of respondents believe that the construction of student management information technology is very necessary, 49.37% of respondents believe that the construction of student management information technology is necessary, and 28.15% of respondents believe that information technology construction is optional or unnecessary. Secondly, in terms of their skills in using information technology, 84.15% of survey respondents stated that they can use information technology products well or better. Once again, in terms of whether to actively follow campus

online communities such as official Weibo and WeChat, the majority of respondents expressed occasional attention, 54.84% of respondents expressed occasional or frequent attention to the official campus WeChat platform, and 56.48% of student respondents also expressed frequent or occasional attention to teachers' Weibo and WeChat.

In the survey, 100% of students hold smartphones, and the average time students spend on the "Internet" through their phones or computers is 1.79 hours per day. Students' daily lives are no longer separated from the Internet. 31% of student managers have attempted to use the latest information technology to innovate student management work, of which 28% have tried using mobile "Internet+" technology, and 17% have tried using "big data" technology. Overall, most student managers and students in vocational colleges have a certain level of information literacy, which lays an important foundation for the application of information technology in student management. However, there are still some students and student managers who contradict or do not attach importance to it. For example, in the updating of students' basic information in the student engineering automation office system, both counselors and students have not yet formed a conscious awareness of information, and most of them have not thought about actively updating information. Often, it reaches a certain process of student management, and the lack of basic data makes student management return to traditional management habits, ultimately resulting in various products becoming empty shells [4].

2. The Problems of Informationization in Student Management in Vocational Colleges

2.1 Lack of conceptual guidance

According to the survey, many vocational colleges currently fail to recognize the essence of informatization and student management services in the process of student management informatization construction, and place excessive emphasis on technical means, which leads to a deviation between informatization construction work and the needs of humanized development, making it difficult to adapt to the needs of student education, services, and management. Many information technology products have only improved in quantity, but their quality has not been guaranteed. For example, when designing information systems, staff often rely on the needs of student management departments and fail to consider other aspects, resulting in a lack of comprehensiveness, compatibility, and sharing in system design.

2.2 The quality of student management information technology products is not high

According to relevant surveys, the current informationization construction of student management in vocational colleges is not satisfactory in terms of product operation level and student satisfaction, and the overall efficiency of student management is generally low. The level of information technology construction in schools is largely reflected in the quality of information technology products, which involves two aspects: information push and the role of products. However, so far, many vocational colleges have not done these two aspects well.

2.3 Inadequate construction of student management team

As the main body of information construction, the information literacy of student management staff in vocational colleges directly determines the effectiveness of information construction work. However, at present, many student managers do not possess sufficient qualities to use and maintain information systems. There are several main reasons for this. For example, vocational colleges lack a comprehensive and reasonable incentive mechanism for management personnel, leading to a lack

of enthusiasm among many management personnel in their work, resulting in information construction work being completely lacking in surface and practical significance, and student management work still stagnating.

3. The Improvement Countermeasures of Student Management Informatization in Higher Vocational Colleges under the Background of "Internet plus" Era

3.1 Actively integrating scientific management and construction concepts

Under the background of "Internet plus" era, the development of student management informatization in higher vocational colleges needs scientific and reasonable ideas as support. Therefore, from the perspective of vocational college educators, in their work practice, they must integrate the concept of "people-oriented" into information construction. Only by fully exerting the main role of students and carrying out information management work around them can the educational function of information management be fully realized. For example, in the construction of a logistics warranty service system, schools not only need to consider technical factors, but also need to investigate and analyze students' experience and convenience of use, provide more channels for students to provide information feedback, improve the warranty experience, and cultivate students' ability to independently handle affairs.

3.2 Improving the quality of information technology products

In order to fully utilize the role of information management products in vocational colleges, it is necessary to ensure the quality of information products. In order to achieve this goal, in the construction of information technology, it is first necessary to clarify the core functions of the product. Management personnel should conduct in-depth research around various links such as product development, design, and operation, and fully combine the actual needs of students to improve the product. Secondly, schools should also strive to create a publicity and education platform, providing students with more ways to receive ideological and political education, and promoting the process of information technology construction. In the design of publicity and education platforms, managers should always pay attention to student-centered, consider students' interests and hobbies, find materials that are closer to their learning and life, and publish richer publicity and education content on the platform to attract students' attention and improve their acceptance and recognition of information technology construction.

3.3 Strengthen the construction of student management team

As mentioned earlier, as the main body of using and maintaining the information management system for vocational college students, the information literacy of management personnel directly determines the effectiveness of the information system. Therefore, strengthening the construction of student management teams and improving the overall quality of management personnel is an important approach to information technology construction. In order to achieve this, vocational colleges first need to attach great importance to and support the training work of management personnel. In work practice, they should help them learn advanced information technology concepts, provide them with corresponding opportunities for off campus training and learning, truly improve their information literacy, and promote them to fully play their role in work, so as to reflect the value of information systems. Secondly, schools also need to improve and optimize their personnel management system.

3.4 Enhancing the Information Literacy of Student Management Personnel

Student management personnel are an important subject in the use and maintenance of information systems. The system is constantly developed and improved according to human needs. The application training of new systems in the process of information construction is the key to promoting information technology. In addition to strengthening the guidance of information technology concepts for student management workers, schools can appropriately increase off campus learning and training, allowing student management workers to cultivate and improve their information literacy through their understanding of other schools' learning. Only when student administrators have good information literacy can they consciously participate in and actively maintain, because many information data collection, processing and analysis are dependent on them. If there is no learning awareness, when problems occur, administrators will naturally choose familiar traditional working methods or directly blame technical personnel, which is not conducive to the promotion of information technology.

3.5 Adjusting the personnel management system

The maintenance of many information technology products is concentrated on frontline student managers, and the information technology products of the Youth League entrance require the strong assistance of part-time Youth League counselors. The increase in workload has increased the pressure on many counselors, ultimately affecting the operational effectiveness of information technology products [5]. The author believes that the human resources department should adjust the corresponding workload calculation and assessment system, Propose specific measures to share the work pressure concentrated on these counselors. For example, student management personnel who assist in information editing can receive a certain amount of reward based on submission rewards; Counselors involved in the development and design of information technology products should appropriately reduce the number of students they bring; Encourage relevant business personnel to learn and delve into information technology by calculating workload or increasing performance, and collaborate with professional technical personnel on product development, maintenance, and upgrading; Vocational colleges with conditions can also increase student management personnel, or even equip professional personnel according to needs, to better adapt to information technology needs.

4. Conclusion

In short, under the background of the "Internet plus" era, the informatization construction of student management in higher vocational colleges is imperative. In order to solve the problems existing in the informatization management at this stage, educators must be required to combine the characteristics of student management in higher vocational colleges under the background of the "Internet plus" era, take corresponding improvement measures for the informatization construction, and promote the role of school informatization products to be fully played.

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