A Brief Analysis of the Suggestions on Teaching and Student Management in Colleges and Universities Based on Computer Network

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Abstract. The popularization and even wide use of computer network not only in large enterprises and institutions, but also in other large gathering units and even ordinary individual users. When the convenience and value that the network can provide into colleges and universities, it will bring wonderful reactions to college managers and students [1]. In the face of the unpredictable situation of the results, how to deal with the educational administration and student management based on computer network technology in colleges and universities will become the focus of this paper, and put forward some suggestions.

Keywords: Computer, Network Technology, College Teaching, Student Management

1. Introduction

At present, computer technology has been given more meaning in the current Internet era, the industry scale is gradually huge and the ecological system is gradually improved. The computer industry will also open up new development space with the development of Internet of things, big data and artificial intelligence. At the same time, the management of colleges and universities needs the support of complex computer network technology. The computer network enters the colleges and universities to help the universities to carry out better teaching and student management. At the same time, colleges and universities should adjust themselves quickly, adapt to the new environment, adjust and improve their teaching and student management mode [4], adapt to the management with computer technology, in order to better promote the construction of higher education in China. Better serve teaching staff and students.

2. Influence of Computer Network on College Students

Since April 1994, our country has been allowed access to the Internet, and now more than 100 million users, most of whom are young college students. Network is a double-edged sword. Because of its quick and convenient characteristics, it creates conditions for college students to acquire knowledge and information. The survey shows that 80% of college students think that the Internet has broadened their horizons and brought them convenience, 62% of students use the Internet as the most important
way to obtain information, 40% of students use the Internet as the most important place to express their opinions. The Internet has become an important channel for college students to learn knowledge, obtain information and express their ideas and exchange feelings [5]. However, the network has a strong virtual, hidden and complex characteristics, online information mixed, both a large number of progress, health, beneficial information, but also a lot of reactionary, superstitious, yellow, murder, violence and other content. Harmful information on the Internet has a negative impact on some young people, seriously corrode the hearts of young people, some young people even take the road of illegal crime. The irresponsible speech on the Internet is easy to bring confusion of thought. Some people with ulterior motives also use the network to spread wrong ideas and information, which brings severe challenges to the education of contemporary youth's ideals and beliefs and the management of colleges and universities.

3. The Influence of Computer Network on University Management

3.1. It is beneficial to improve the democracy of decision-making in colleges and universities

Computer network is an equal information exchange platform, in which everyone is the audience and the main body of information dissemination. Moreover, the information dissemination in the network has the characteristics of real-time and interaction [6], so on the network platform of colleges and universities, teachers and students can obtain all kinds of information inside and outside the school immediately. With the popularity of the network in colleges and universities, teachers, staff or students in colleges and universities become more active groups into the information network. You can express your views or opinions on the Internet, and then provide a reference for leadership decisions.

3.2. It is helpful for colleges and universities to improve the efficiency of management

As a modern information processing tool, computer network can process, store, transfer and output all kinds of information quickly and accurately. The full application of computer network in the field of management can greatly improve the efficiency and level of management. Colleges and universities generally have strong technical ability, generally have established their own information processing system. On this basis, colleges and universities can transmit and feedback information quickly and accurately. Compared with the traditional manual road transmission [7], it not only reduces the management cost, but also greatly strengthens the efficiency of university office.

3.3. Help school affairs fair, realize public opinion supervision

Colleges and universities generally have their own network communication platform, such as chat rooms or BBS, through these network platforms, teachers and students can express their views, forming a certain power of public opinion. College managers must consider all kinds of public opinion in the school and fully consider the collective views of teachers and students in the decision-making process. From this point of view [8], computer network has the function of promoting the fairness of school affairs and realizing the supervision of public opinion.

4. Improving Management Mode of Colleges and Universities and Adapting to Computer Network Environment

4.1. It is helpful for colleges and universities to improve the efficiency of management

Ideas dominate people's behavior. The Internet breaks the monopoly of information, and the communication between people becomes free and equal. There are only active participants on the network, and there is no "audience" in the past sense ". Therefore, the management departments of colleges and universities can no longer choose, transmit and indoctrinate as one way as in the past, and can not always put on a "official master" to give orders to the bottom [9]. Departments at all levels should renew their ideas, change their ideas, and change from the management concept of "official standard" to the service purpose of "people standard ". Management networking also requires
university management departments and their leaders to recognize the importance of the network, through the network to innovate its way of service, so that the service is faster, more convenient, more smooth, more direct, more fair, with higher added value [10].

4.2. To improve and strengthen the network office conditions
At present, some colleges and universities network office ability is not strong enough, some hardware level needs to be strengthened. Colleges and universities should make full use of their own advantages of technology and talents, speed up the construction and transformation of local area network application environment, lay a solid hardware foundation for the development of network technology, and provide a good system platform for staff at all levels.

4.3. Building a unified information management system
Most colleges and universities have built their own campus network and developed some management information systems. But most of these systems are developed to solve a department or a specific business. Starting from the overall situation of the administrative work in colleges and universities, unifying the standards of educational information collection and coding, making full use of modern information technology, especially the latest database and network technology, unifying planning and building an integrated school comprehensive information management system, is the ultimate solution to improve the efficiency of management work.

4.4. Pay attention to information security in network environment
At the same time, there are some risks when the network provides convenience. Colleges and universities should strengthen the propaganda and education of information security and enhance the knowledge of information security and confidentiality of leading cadres and staff. Network maintainers and users should also firmly establish the crisis consciousness of network security, take up their own responsibilities, and ensure the security of information and the smooth flow of the network. It is necessary to combine the use of advanced security technology with strict and scientific management, formulate management measures in accordance with the actual situation of the school in the field of information security and network use security, and make clear provisions on the security standards of information systems, personnel management, data management, entity and network management, emergency response, security inspection and assessment.

5. Methods of Student Management Using Computer Information Technology

5.1. Establishment of Student Management Organization Structure Based on Computer Network Community in Colleges and Universities
When the network and information level of colleges and universities are constantly improving, colleges and universities should establish the organizational structure of student management based on network community. This structure is beneficial to the long-effect and ecological development of student management in network community. This paper holds that the university leadership should realize the convenience and flexibility of the network community to the student management work under the trend of the times, give full play to the overall work of the network community in the student management work, and set up a number of network community student management workstations based on the secondary colleges, according to the management needs. The student management workstations of each secondary college are set up with various service groups to complete the specific management work, as shown in figure 1.
5.2. *Establishing a Communication Platform between Community Student Management Workers and College Students Based on Computer Network*

College student management workers should pay attention to the students' dynamic in real time and guide the ideological and political education of students effectively. Effectively use the network platform, real-time realization of teacher-student interaction, the construction of BBS/forums, posts and cases, advanced figures, guide students’ three views "education.

6. *Conclusion*

When the computer network enters the university, it can bring a great breakthrough to the teaching of educational administration and student management in colleges and universities, but it also has certain risks. The management process is quick and simplified, but also easy to lose details and necessary humanized parts, difficult to grasp the appropriate degree. At the same time, the most worrying is that information management is more likely to lead to information leakage, adverse factors will spread faster. Therefore, while making good use of computer network technology, we should improve the computer management process and emergency solutions, actively guide staff and students to use the correct technology and methods to reduce the probability of errors. Let university education into information and modernization faster.
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