

The Application of Information Technology in University Education Management

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Abstract: With the continuous development of science and the rapid development of modern information technology and the Internet, information technology has been gradually improved and started to be applied in the field of education. Colleges and universities must constantly play the role and benefits of information technology in education and training, improve the quality of college education and teaching, and better play the role of information technology in the management of college education and teaching. In this context, this paper discusses the use of information technology in university education and teaching management to better promote the development of university education and teaching management.

Keywords: Information technology; University education; Teaching management; Application research

1. The main roles of using information technology in university education and teaching management

1.1 For teachers and students

For college students, information technology has a great attraction to them. Therefore, the integration of information technology into education and teaching management can effectively stimulate college students' interest in learning. Students will explore independently according to their own interests and then progress continuously.

Under the traditional model, if teachers or leaders want to know the state of mind and life of students, they can only get information related to students by talking with them or asking their classmates and close friends. There is a large amount of information data in the information technology platform. Therefore, using information technology platform in college education and teaching management allows leaders to get closer to students' daily life and understand students' thought condition and living condition, which is not only more effective than the interview method, but also can effectively reduce students' resistance. Meanwhile, due to the diversity of teaching resources and learning resources presented by the IT platform, it plays a very important role in the knowledge exchange between teachers and students, so it can not only narrow the distance between teachers and students, but also effectively improve the quality of students' learning. Teachers can also share and exchange their teaching experience with other teachers constantly, learn other teachers' teaching concepts and improve their own teaching quality effectively. At the same time, this information technology platform embodies the characteristics of speed and efficiency, which can make teachers and students in colleges and universities understand campus information faster. Therefore, it is very important to build an information technology campus platform. The leaders of colleges and universities must also adjust the platform structure and content constantly based on the statements and suggestions of teachers and students.

1.2 Management

The participation of information technology platform has a certain influence and change on the management of education and teaching in colleges and universities, which is mainly reflected in two aspects: on the one hand, teachers can effectively participate in the management of education and teaching in colleges and universities in the process of using the information technology platform; the main consciousness of students is brought into play, and corresponding strategies and design ideas are provided for the management of education and teaching; on the other hand, the establishment of information technology platform has a strong openness and speed. It can not only improve the participation of teachers and students, but also simplify and speed up the tedious education and teaching management workflow in the traditional background, which can effectively improve the quality of education and training management and reduce the workload of education and training management.

2. The advantages and shortcomings of information technology application in the management of university education and teaching

2.1 High efficiency of information dissemination

In the background of information technology, the efficiency of computer processing information has been greatly improved.

When processing information, computers represent information with the combination of 1 and 0, which can effectively improve the transmission speed, carrying capacity and convenience of information. Therefore, the use of information technology in higher education and teaching management can effectively highlight the advantages of information technology in disseminating information.

2.2 Smooth information interactivity

In the modern context, information technology has been fully integrated into all aspects of people's daily life, including but not limited to the Internet, LCD TVs, smartphones, laptops, tablet PCs, etc. On this basis, a number of customers and interactive platforms have started to occupy an important position on the Internet, and the frequency of information exchange and interaction has increased significantly. Therefore, the integration of information technology in education and teaching management can effectively improve the frequency of interaction of education management information and highlight the advantages of information technology in information interaction.

2.3 Wide range in terms of audience

As one of the distinctive features of the new era, information technology has a very wide audience, popular not only among teenagers and middle-aged people, but also among the elderly. The fundamental reason why information technology is so popular is mainly due to two characteristics of information technology: the high efficiency of disseminating information and the smooth interaction with information. Therefore, information technology can give full play to its own characteristics in the management of education and teaching in colleges and universities, so that it can better highlight the characteristics of the general audience. In the process of applying information technology to college education and teaching management, colleges and universities can make it easier and faster for teachers and students to understand the implementation dynamics of education management information, and provide ideas and strategies on this basis to effectively promote the development of college education management.

3. Inadequate aspects

3.1 Insufficient software and hardware conditions of information platform

The construction of campus information platform is inseparable from the standard hardware and software conditions. For example, the design of high-quality information technology platform has certain requirements on the processing capacity, stability, computing power, security, scalability and operational capability of the platform server. At the same time, the construction of information technology platform also requires good network support. Therefore, only the platform service system and network can be effectively guaranteed. Only in this way can we enable teachers and students to access and review the school's education and teaching management information at any time, any place and any customer.

However, at this stage, most universities will not maintain and upgrade their intelligent information platforms once they are in place, and the network conditions cannot meet the standards. As a result, some students often encounter the phenomenon of slow network speed and serious platform interference.

3.2 Lack of effective combination of information technology and education teaching

At present, information technology has been fully applied to education teaching in colleges and universities, and students have enough interest in the classroom based on information technology, so information technology has become an important teaching process for college teachers to carry out teaching activities. However, in the actual teaching process, teachers tend to rely on information technology. When these teachers carry out teaching activities, they usually explain the teaching content in the form of textbooks, and during the teaching process, teachers only read the text content of the textbooks orally, so that students lose interest in teaching IT after passing the primary stage. It couldn't be better in the classroom.

Secondly, information technology is only an effective educational tool. How to introduce information technology into daily education and teaching management is a question that teachers need to think deeply about. Then carry out educational activities. Teachers can only improve the quality of teaching and learning by effectively combining teaching content with information technology.

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