

Discussion on the Application of Computer Technology in College Teaching Management

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Abstract: With the continuous development of science and technology in our country, more and more industries have the technical guarantee, and this makes the overall economic development level of the country to present a steadily rising trend. Among many professions in our country, the education industry is particularly important, which is directly related to personnel training and long-term development of our country. As an important part of the education industry, colleges and universities have undoubtedly attracted high attention. Good teaching management can not only effectively improve the education level of colleges and universities, but also promote the operation efficiency and operation quality of colleges and universities to a large extent, so that higher education can better play its due role in practice. Therefore, colleges and universities should try their best to improve their teaching management level, which puts forward a higher demand for computer technology. The application of computer technology to teaching management in colleges and universities can not only greatly improve the management of student status, curriculum management and teaching quality, but also help colleges and universities to achieve long-term and stable development goals. However, in practice, it is not difficult to find that although some universities have introduced computer technology, their application is not thorough enough. Based on this, further exploration is necessary. This paper will take the teaching management of colleges and universities as the research object, and discuss the application of computer technology, aiming at improving the teaching management level of Chinese colleges and universities, so as to better stimulate the potential value of computer technology in the operation process of colleges and universities, and meet the needs of talent training.

1. Introduction

Efficient teaching management can make the teaching work to be carried out orderly, but also conducive to the teaching research and in-depth reform, promote the long-term development of higher education ^[1]. At present, the combination of computer technology and teaching management has become the content that colleges and universities need to pay attention to. Computer technology, as one of the crystallization of modern technology, can liberate teaching administrators from many tedious work processes, and make university administrators focus on the improvement of teaching efficiency and teaching quality. It can be seen that the application value of computer technology is

huge. This paper will further discuss the application of computer technology in teaching management in colleges and universities.

2. The application value of computer technology in university teaching management

2.1 It is helpful to strengthen the emotional communication between students and teachers

The advent of the information age provides a new way for people to communicate and interact. Teaching administrators, teachers and students are increasingly dependent on computer technology during their work and study. Therefore, based on this feature, colleges and universities can introduce advanced computer technology to promote the tripartite interaction among teaching administrators, teachers and students^[2]. Teaching managers and teachers can grasp the recent trend of students through computer technology, so as to achieve efficient education and management of students.

2.2 It is beneficial to reduce the operating cost of colleges and universities

Universities often need to consume a lot of resources during their operation. Especially in the teaching management, colleges and universities often need to spend a certain amount of human resources, material resources and funds, which also brings a certain economic burden to colleges and universities. In order to improve the operating efficiency and reduce the operating cost, it is necessary to start with the teaching management and realize the innovation. In practice, the application of computer technology in university teaching management can effectively improve the utilization rate of university funds, so that the cost of teaching management can be reduced. At the same time, the application of computer technology can also promote the university teaching management personnel to change the traditional working concept, so that the teaching management work towards the direction of modernization and intelligence.

2.3 It is conducive to the transformation of teachers' teaching mode

In recent years, China has increased its attention to the education industry and put forward new requirements for teachers. Under the new situation, teachers need to abandon the traditional teaching concept and adopt a new teaching mode. In this process, the application of computer technology in teaching management has undoubtedly played a huge role in promoting. The combination of computer technology and teaching management can make teachers' classroom teaching easier, help to create a good teaching atmosphere, and then fully stimulate students' subjective initiative.

3. Application analysis of computer technology in university teaching management

3.1 Application of computer technology in teaching plan and course arrangement

In college teaching management, teaching plan and course arrangement are undoubtedly more important work content. In the traditional working mode, teaching administrators in colleges and universities often organize various teachers to have meetings and consultations, and make teaching plans according to the results of the meetings and consultations and teaching objectives. At the same time, the teaching objectives of each class need to be determined and then integrated into the teaching plan. At the end of the day, the feasibility of the teaching plan needs to be reviewed by the management. It is not difficult to see from the above content that the traditional teaching plan and

course arrangement are more complicated in procedures and spend relatively more time and energy. With the continuous development of science and technology, many universities have introduced computer technology.

With the support of computer technology, the traditional working procedures are simplified. For example, teachers are able to implement remote meetings through computer technology, thus omitting the time cost of offline meetings. At the same time, the university teaching management staff can also develop the teaching plan published on the university website, and then the management staff review. When the audit is approved, the teaching management will be able to publish it for students to browse and query. Under such a work process, not only the work intensity of teaching managers will be reduced, but also the communication between teachers and teachers and teachers and teaching managers will be beneficial. At the same time, students can also realize the query of class hours in a relatively simple way, and then successfully complete their studies. In terms of course arrangement, students can also use the university website to make inquiries to clarify what courses they need to learn and what teaching goals they need to achieve. In addition, university teaching administrators can also use computer technology to expand the way to obtain credits, and network learning is one of the forms^[3]. That is, students can choose and learn courses through computer technology, so as to obtain corresponding credits and graduate successfully. All in all, college teaching managers should make clear the importance of teaching plan and course arrangement, and introduce computer technology to help the smooth development of work.

3.2 Application of computer technology in student performance management

Grade management is an important part of teaching management in colleges and universities. Its main work is to clarify the academic performance of different students, and manage it efficiently according to the nature and credits of the courses. The results of students since their enrollment need to be accurately counted, calculated and analyzed, and they also need to be easy for students to query. Under the traditional working mode, the management of students' performance often takes a lot of time and energy, mainly because the number of students is large, and the number of courses each student learns is less than 30 or more than 60, which will bring huge work pressure to the teaching and management personnel of colleges and universities to a certain extent. At the same time, if the traditional paper method is used for manual processing, then the teaching administrators in colleges and universities need to manage a large number of paper files, which is difficult to imagine^[4]. Therefore, colleges and universities should introduce computer technology based on the needs of student performance management.

With the support of computer technology, teaching administrators can input each student's course score at the end of each semester according to the requirements of the grade management software, and then store the relevant data information of the course score in the system database^[5]. When the data information is entered into the database, the system will realize the calculation of the student's total score, class total score and class average score according to the algorithm set at the time of development. After the calculation is completed, the system will automatically sort according to the level of student achievement, so that students can quickly know their overall ranking in the class, major and academic year. When the teaching management staff has completed the examination of the results, it can also perform statistical operations, so that the system can generate the students' results query report by itself. With the help of computer technology, the statistics of students' achievements in recent years will be presented to teachers in a clear and intuitive way, helping students to identify their own learning results in time and improve their own shortcomings. For the teaching administrators in colleges and universities, the performance management will show a higher level of automation and modernization, which is conducive to the improvement of work

efficiency.

3.3 Application of computer technology in teaching quality supervision and management

Under the background of the continuous development of the education industry, how to improve the education level of colleges and universities has long been a problem that teaching administrators need to think about. Under the previous working mode, if teaching administrators wanted to supervise and manage teaching quality, they would usually first design relevant indicators according to teaching objectives, then summarize these indicators into specific questions, form questionnaires, and then distribute them to students, who could score the indicators and judge the teaching quality of teachers. To realize the supervision and management of teaching quality. However, this teaching management method will present the characteristics of low efficiency, strong subjectivity, and easy to appear errors^[6]. Therefore, universities need to introduce computer technology.

By using computer technology, the supervision and management of teaching quality in colleges and universities can be carried out in an orderly manner, and the efficiency and quality can be improved fundamentally. For example, university teaching administrators can input the designed questionnaire into the corresponding software, and then ask students to register. Students only need to enter their account number and password in the software to fill in the questionnaire remotely, and the time required is shorter than that of paper questionnaires. When the student completes the filling, click the "submit" button, the system will automatically save the data filled in by the student to the database, and then realize the automatic analysis and processing of the data. At the same time, after the application of computer technology, teaching administrators in colleges and universities can also use their own authority to query teachers' scores, clarify the composition of the final scores, and then take targeted improvement measures to improve the overall quality of teaching^[7].

3.4 Application of computer technology in daily teaching management

The application of computer technology can not only be reflected in the above aspects, but also in all aspects of daily teaching management. In the daily teaching tasks of teachers, computer technology can be used to achieve the production of teaching courseware, and then the teaching courseware is applied in the classroom, the original abstract teaching content into an intuitive and simple form, easy to understand and absorb students. After class, students only need to review the courseware again to realize the review of the teaching content. At the same time, teaching managers can also divide teachers into different groups according to the teaching needs, according to the professional unit, so that teachers can achieve efficient communication with the help of computer platforms. If we want to further improve the pertinence and effectiveness of teaching, students can also be pulled into the group, so that teachers and students can form direct communication in the group. Under this teaching management mode, the communication between students and teachers will be increased, which is conducive to students' learning and review of knowledge outside the classroom. In addition, teaching administrators should also call on teachers of various subjects to use computer technology efficiently, and use the network to achieve the assignment and check. Under this assignment mode, students only need to use computer technology to submit their homework, which is conducive to the improvement of students' enthusiasm. As the attendance rate is a more important indicator, teaching managers should also use computer technology to achieve the verification of students' attendance status. If a student's absence is found, it should be recorded in time.

4. Application strategy of computer technology in university teaching management

4.1 Change the concept of teaching management and strengthen ideological construction

Advanced work concepts can improve the efficiency and quality of work, and the same is true in university teaching management. As an important guarantee to determine the effectiveness of teaching, the ideological construction of university teaching management is very important. Under the background of the continuous development of science and technology, faculty writers represented by teaching managers should be fully aware of the importance of teaching concepts, and pay more attention to them to realize ideological innovation. The application of computer technology can greatly improve the efficiency and quality of teaching management, so colleges and universities should try their best to enhance the meaning of teaching management personnel, so that the teaching management team can shape the spirit of advancing with The Times, so as to provide guarantee for the application of computer technology in teaching management.

4.2 Strengthen the security management of computer technology

After years of development, the related research of computer technology has gradually matured and deepened, and gradually played an important role in the education industry. University teaching and management personnel should strengthen the application level of computer technology, but also need to pay attention to security management skills. This is because the computer often has a large number of privacy-related data, once the leakage of data information, loss and other conditions, then it will cause incalculable consequences. Therefore, colleges and universities should strengthen resource investment, do a good job in the construction of hardware and software infrastructure, and do a good job in security protection. For example, colleges and universities can organize professionals to build security protection systems to realize the application of anti-virus software, firewall technology and encryption technology, so that computers can get a safe operating environment. In addition, it is necessary to establish a sound safety management system and assign professional personnel to check the equipment room to ensure that the temperature and humidity of the equipment room are reasonable and reduce the probability of fire hazards.

4.3 Strengthen the construction of teaching management team

If we want to realize the modernization and intelligence of teaching management in colleges and universities, then the construction of teaching management team should be listed as the focus of work. Nowadays, computer technology is still in the process of continuous development, which also puts forward higher requirements for teaching management team. Teaching managers should not only strengthen ideological construction, but also master the relevant knowledge of management science and information science, and uphold a good spirit of innovation. Only in this way can they be qualified for the post requirements in the new era. Therefore, colleges and universities should establish and improve the training system of teaching management personnel, and realize the talent training through the combination of online and offline. On the one hand, we need to pay attention to the pertinence and reliability of training, and constantly optimize the training content; On the other hand, an assessment mechanism should also be adopted, and only those who pass the assessment can continue to work, otherwise they need to be retrained or dismissed.

5. Conclusion

Modern information technology with computer and network technology as the core has been

popularized and applied in the education industry, and has gradually become a force to promote information construction. As an important subject of education in our country, colleges and universities have played an important role in personnel training. In order to further stimulate the potential value of colleges and universities, it is necessary to carry out in-depth research on computer technology and explore the feasibility of its application in college teaching management. This paper discusses the application of multi-computer technology in university teaching management, and provides reference for related fields to some extent. Colleges and universities should pay more attention to it and pay more attention to computer technology.

References

- [1] Luo Ting. *Application of Computer Technology and Network Technology in Computer Room Teaching management in universities* [J]. *Network security Technology and application*, 2021(06):96-97.
- [2] Zhang Weisheng. *Analysis on the application of computer Technology in education and teaching management in colleges and universities* [J]. *Modernization of Education*, 2019, 7(12):157-159.
- [3] Liu Yuan. *Optimization Analysis of Computer Internet Technology in University Teaching Management* [J]. *Theoretical Research and Practice of innovation and Entrepreneurship*, 2018, 1(12):34-35.
- [4] Xue Feiyang, Sun Zhenfei, Li Guoxin et al. *Application analysis of Computer Technology in college teaching management* [J]. *Computer Fan*, 2017(03):152.
- [5] Li Chengzhi, Li Hongdan. *Application of computer technology in University teaching management* [J]. *Heilongjiang Science*, 2018, 9(07):138-139. (in Chinese)
- [6] Wang Nan. *Optimization Analysis of Computer Internet Technology in University Teaching Management* [J]. *Science and Technology Wind*, 2018(30):93.
- [7] He Jiangying. *Application Analysis of Computer Technology in University Teaching Management* [J]. *Computer Knowledge and Technology*, 2017, 13(21):104-105+111.