

The development strategy of university teaching management informatization under the background of “Internet +”

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Abstract: with the advent of the information age, Internet technology is widely used in various fields of society, especially in the field of education. For colleges and universities, paying attention to the informatization in the process of teaching management can further improve the quality of talent training and create a good environment for college students' learning and life. However, at present, there are still many problems in the process of implementing teaching management informatization in Colleges and universities. Therefore, colleges and teachers need to take effective measures to strengthen teaching management informatization to promote the development of higher education based on reality and the current situation of teaching informatization construction. This paper studies the development of teaching management informatization in Colleges and Universities under the background of “Internet +”, and puts forward corresponding countermeasures combined with years of teaching management at the grass-roots level in Colleges and universities.

Key words: “Internet +”; College teaching management; Informatization; research

1 Analysis of the connotation of “Internet +” Education

After years of practice, Internet + education has formed a relatively complete system. In fact, Internet + education is not a simple superposition of the Internet and teaching, but a combination of teaching needs, teachers actively use information technology in teaching and management, and infiltrate the essence of the Internet into the field of education, so as to improve and transform the previous education and make it a new form of Education in the new era. From this perspective, it is not difficult to see that “Internet + education” is a new paradigm of education development under the new normal. It is also a reconstruction of traditional education, which can further promote education reform and meet the social demand for education in the new era. Secondly, Internet + education will raise the Internet technology from the tool form to the thinking level, so as to integrate the Internet thinking into the whole education and teaching process, with the purpose of improving the quality of talent cultivation and optimizing education and teaching activities, and give full play to the technical advantages to the greatest extent. Finally, Internet + education is still based on education. Its essence is to further innovate the teaching mode, school running mode and talent training mode, so as to rebuild the relationship between teachers and students, schools and society, supply and demand, so as to create a better education ecology.

2 The importance of teaching management informatization in Colleges and Universities

2.1 Conform to the development of Education Era

At this stage, Internet technology is rapidly popularized in the education industry. At the same time, the allocation of educational resources is gradually complex, the scale of colleges and universities is further expanded, and the professional demand for teaching management is further improved, which means that the teaching management work in Colleges and universities is increasingly arduous. In this context, fully implementing the informatization of teaching management has become an important reform goal in the field of education, which is also the only way for the transformation of modern education in Colleges and universities. In order to promote the development of higher education and further improve the quality of personnel training, colleges and universities actively conform to the development of the times in the process of development, integrate technology with the informatization of teaching management, and implement the informatization construction of teaching management, which can further solve the problems existing in the current teaching management, improve the efficiency of teaching resource allocation, and is conducive to the realization of the development goals of colleges and universities in the new era.

2.2 Promoting the optimization and sharing of teaching management resources

At present, the teaching management in Colleges and universities is becoming more and more complicated, and the previous teaching management mode and system in Colleges and universities have been difficult to meet the current needs of students' comprehensive development. Under the development needs of colleges and universities, managers attach importance to the construction of teaching informatization, and effectively integrate Internet technology with daily teaching and management of colleges and universities, so that teachers and students can enjoy the convenience of scientific and technological work and learning, and realize all-round development when their own needs are met. For example, with the support of the new technology platform, teachers can use the new technology to carry out effective teaching activities, while students can log on to the platform for learning, data access, experiment booking, etc. At the same time, the university information teaching management platform can provide users with more accurate data, which can provide users with the

information resources they need, and realize the optimization and sharing of education management resources.

3 Problems in teaching management in Colleges and Universities

First, there is a lack of awareness of the importance of informatization of teaching management in Colleges and universities. At the current stage, many university managers have insufficient understanding of the importance of educational informatization in the development, which to a large extent limits the construction and development of informatization, leading to the difficulty in achieving the established development goals; Second, affected by some objective factors, some schools have not fully understood the positive role of informatization construction in the development of higher education. Teachers, counselors and other educational subjects in the school have not fully understood the informatization of education management, and they still use the relatively traditional explanation method to carry out corresponding teaching activities in the process of education, This restricts the development of higher education informatization construction to a great extent, and students' ability can not be improved; Third, the development of teaching management information system is not perfect. Under the background of enrollment expansion in Colleges and universities, the number of students is increasing, and the number of teaching resources that need to be handled in the process of teaching management informatization construction in Colleges and universities is large. Compared with the traditional target information acquisition, managers need to conduct detailed single information screening in order to find accurate data. If errors occur in this process, it is likely to cause serious teaching accidents, As a result, the teaching management in Colleges and universities is facing huge losses. The improvement of the teaching management information system has a significant impact on the development of teaching management information in Colleges and universities, which also leads to the fact that many functions of the existing teaching management system are not used, making the teaching management in colleges and universities on the road of information technology at a discount; Fourth, the quality of teaching management personnel is uneven. The quality of teaching management personnel affects the development of teaching management informatization to a great extent. Some teaching management personnel are not willing to change the traditional management methods, which has seriously hindered the development of teaching management informatization.

4 Development Countermeasures of university teaching management informatization under the background of “Internet +”

4.1 Strengthening teachers' information literacy in school

Under the background of the current Internet + era, teachers' informatization literacy largely determines the progress of education informatization and teaching management informatization reform. Therefore, in addition to the improvement of teachers' educational ability, it is particularly important to cultivate teachers' informatization literacy in the development of schools. Specifically, the school should actively carry out a series of teacher information training. Through training, college teachers and counselors can carry out more in-depth information knowledge learning and master the latest information teaching concepts in time. At the same time, during the training, teachers can communicate and exchange with each other. During this period, they can gradually realize the lack of their own informatization teaching ability, cultivate their informatization consciousness, so as to point out the direction for the follow-up leak detection and filling, and make preparations for further promoting informatization management. The school can set up online famous teachers' studios to attract more teachers and education experts, so as to better solve the problems existing in teaching. In addition, it should be emphasized that the cultivation of information literacy of teaching management personnel should be the top priority in school training. The information awareness of teaching management personnel and the application of information management in daily work can play a good guiding role, The lack of information application ability of teaching managers will also hinder the development of school information management to a large extent. After the training, the school should also carry out corresponding evaluation and assessment on teachers, so as to virtually restrict teachers, urge them to apply what they have learned, and further optimize the training content and form in combination with the evaluation feedback, so as to effectively improve the overall information literacy of school teachers.

4.2 Building an integrated management platform for information based teaching management

At present, there are many school platforms, and the data cannot be shared, which brings a lot of inconvenience to school management. In this case, it is particularly urgent to build an integrated teaching management platform to realize the sharing and synchronization of data and resources.

First, integrate the teaching management platform to realize the all-round integrated management in the process of talent training, from student status management, talent training plan, course tasks, timetables, textbooks, course syllabus, teaching schedule, course assessment, performance management analysis, credits, grade points, graduation review to the utilization of teaching resources, the use of classrooms and laboratories, etc, The basis of all applications comes from a unified database. Under the premise of ensuring the accuracy of basic data, the teaching management system can operate efficiently and avoid the simultaneous use of multiple systems, resulting in data confusion and duplication of work.

Second, integrate teachers' teaching resources. First, integrate teaching resources so that the teaching module of the teaching management platform covers the latest teaching methods, education and management concepts. At the same time, it also includes the classroom teaching records of education experts, teaching plans, educational ideas for professional students, basic materials and the form of classroom activities. Platform resources are the results accumulated by many elite teachers through practice, and can reflect the matters needing attention of teachers in teaching activities, students' comprehensive ability needs and professional positioning. At the same time, in order to effectively realize resource sharing, professional, course teachers and counselors can download relevant materials at any time through the teacher authority set by the school, which can provide support and guarantee for teachers to carry out subsequent effective teaching activities. Second, set up an innovation and entrepreneurship education platform. At present, the social competition pressure of College Students' employment is great, and many students are unemployed after graduation. Therefore, colleges and universities need to pay attention to the cultivation of students' innovation and entrepreneurship ability in the development. Students can apply for projects and funds on the platform. After being approved by the superior management, students can try to practice. In this process, teachers need to play their guiding role and track the progress of the project for guidance, so as to cultivate students' innovation and entrepreneurship ability and enhance students' employment competitiveness.

4.3 Clarify the development goal of school informatization

In order to effectively deepen the reform of higher education and give full play to the use value of information technology, colleges and universities need to make top-level design on the existing teaching informatization development plan in the process of development, further clarify the development goal, achieve the long-term goal, plan in advance, consider the overall situation as much as possible under the existing conditions, and avoid the randomness in the development process of teaching management informatization. The school can start from the following points: first, the school needs to pay attention to the organizational setting of teaching informatization, at the same time, it should also take into account the setting of management objectives and the method of division of labor and cooperation, so as to build the teaching management informatization pattern in the new era. Second, in terms of the control and management of teaching management informatization in Colleges and universities, managers should handle the relationship between the development speed of school education informatization and teaching quality, take into account academic, scientific research, student training and other factors at the same time, and control the operators, scientific research and service behaviors related to the actual application of education informatization, And gradually form a standardized operation standard of education informatization management, and carry out supervision and feedback. Third, in the use of financial resources, managers should reasonably prepare, allocate, adjust and use the existing educational resources, so as to maximize the efficiency of the limited educational resources, improve the management efficiency, further improve the efficiency of resource use, and effectively promote the development of schools.

4.4 Strengthen thinking and enhance the risk awareness of the informatization construction of teaching management in Colleges and Universities

At present, colleges and universities are still in the stage of scale expansion, with a large number of teachers and students, and different majors opened in the development of different schools, which means that the amount of data information in the teaching management platform of colleges and universities is large, and it also has strong privacy. Combined with this fact, it is also very necessary for schools to ensure the security of data resources on the basis of paying attention to the informatization of teaching management. In practice, the corresponding technical team and management personnel of the school should avoid the simple superposition of teaching resources to the greatest extent; At this stage, many university teaching platform versions are out of line with the actual development, and the security of interactive use of data resources is poor, which makes the platform vulnerable to viruses. Therefore, schools should pay attention to network security, and pay attention to the establishment and improvement of scientific and effective protection mechanisms in the development, so as to ensure the privacy and safety of teachers and students in the school; In addition, the management personnel should strengthen the detection of teaching management software, regularly upgrade the firewall, ensure the sound operation of hardware facilities, and formulate special technicians to carry out system maintenance and password management, so as to avoid malicious intrusion, so as to ensure the safety of teachers and students in school.

Conclusion:

The Ministry of education, in conjunction with other departments, issued the ten-year development plan for education informatization, which clearly pointed out that in order to effectively deepen the reform of higher education, colleges and universities need to actively comply with the development of the education era, pay attention to the guiding value of informatization means in the context of Internet +, and then carry out effective education management activities, so as to deepen the reform of higher education and promote the diversified development of students. Many schools actively use information technology to carry out teaching management activities in this process, but in the actual implementation process, due to the limited educational ability of teachers and the imperfect construction of teaching platform, the established teaching objectives are difficult to achieve. Based on this, colleges and universities should further study the connotation of

“Internet + education”, implement effective measures to improve the quality of teaching management in Colleges and universities according to the problems existing in the current teaching management, and better realize the goal of talent training in Colleges and universities.

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