Analysis on the Present Situation and Development Countermeasures of Educational Informatization Construction in Colleges and Universities

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Abstract: Universities are the cradle for cultivating high-quality talents. With the rapid development of higher education, various higher education institutions are also actively promoting their own educational informatization. Higher education institutions are becoming increasingly large in scale and their management work is becoming increasingly complex. Therefore, it is necessary to attach great importance to the informationization of higher education. Only by fully utilizing information technology to achieve efficient operation of various tasks in higher education institutions can we ensure the improvement of teaching quality and management level, and thus better provide high-quality educational services to society. This article conducts research based on the actual situation of informationization in higher education. Firstly, it elaborates on the importance of informationization construction in higher education, secondly analyzes the current situation of informationization construction in higher education, and finally proposes countermeasures to promote the development of informationization construction in higher education. Through the above discussion, it is hoped that it can bring some inspiration and assistance to the informationization construction of higher education in China, thereby accelerating the healthy and sustainable development of higher education in China.

Keywords: Higher education institutions; Education informatization; Construction; Present situation; Developing countermeasures

With the development of society, educational informatization has received widespread attention and recognition. It is one of the essential contents of school education work, and in modern society, it has gradually become an important means for various industries to achieve modernization. However, the informationization of higher education has not yet entered a mature stage, and further improvement and optimization are needed in order to effectively improve teaching level, teaching quality, management level, and school efficiency, better adapt to the challenges brought by higher education reform in the new situation, and promote the rapid and healthy development of China's higher education industry [1]. Therefore, in order to promote the smooth development of informationization in higher education, it is necessary to start from multiple aspects and continuously improve relevant issues, so as to make it more in line with the requirements of the times. This is not only conducive to promoting the development of higher education, but also enhances one's own competitiveness.

1. The Importance of Informationization Construction in Higher Education Institutions

1.1 Beneficial to Promoting More Rational Utilization of Educational Resources

For higher education institutions, relying solely on the curriculum education resources within the school for teaching guidance is far from enough. It is necessary to optimize the allocation of teaching resources and improve teaching efficiency through information technology means. Through informatization, teaching resources outside of school or on online platforms can be integrated, providing schools with more abundant and high-quality teaching resources to meet students' learning needs and cultivate high-quality talents.At the same time, it can also enable teachers to understand the actual situation of students and adjust teaching methods in a timely manner, improve teaching quality, and achieve the goal of individualized teaching. The construction of educational informatization can also enable college students to effectively utilize educational resources, enhance their own abilities and qualities, and promote the comprehensive development of college students.

1.2 Informationization Planning in Universities is Beneficial for Improving the Quality of Education Management

With the rapid development of society, the quality of education is also constantly improving. Of course, the enrollment scale of

universities is also constantly expanding. How to ensure high-quality talent cultivation in higher education has become a common concern of various universities. To address this issue, the Chinese government has begun to vigorously promote the construction of information technology in higher education.The construction of information technology can effectively alleviate the management pressure of universities, thereby promoting the further improvement of the quality of education management in universities. For example, universities can use the school's academic management system for teaching management work, thereby promoting the improvement of teaching quality level; At the same time, it can also achieve functions such as collecting student registration information and storing electronic files, making it more convenient for students to use school related data for daily learning and various activities in daily life [2]. From this, it can be seen that the informationization of higher education is a field worth focusing on development and research.

2. Current Situation of Informationization Construction in Higher Education Institutions

2.1 Insufficient Understanding of Educational Informatization

Most educators lack in-depth understanding and sufficient confidence in information technology construction, often staying at a simple understanding of "building as needed", and have a weak awareness of the application of educational information technology. They fail to fully recognize the value of information technology construction in university curriculum teaching and talent cultivation. If the construction of educational informatization in universities is not given enough attention by the management and teachers, it will not be able to achieve its expected functions and be effectively utilized. Only when school leaders and all faculty attach great importance can we truly improve the level of educational informatization work.

2.2 Unscientific Overall Planning and Unreasonable Sharing of Network Resources

Planning is a process of system design and implementation, but currently many universities in China have not established a complete education network management system, lacking corresponding network facilities, management techniques, and means of guarantee, which has caused difficulties in the development and utilization of educational resources. Another reason is that due to unscientific planning, resources on the internet are not reasonably shared, and university students are unable to use these valuable teaching resources; At the same time, due to issues with some management personnel, information cannot be transmitted to teachers in a timely and effective manner, which to some extent affects the efficiency and teaching quality of the school.

3. Scientific Countermeasures for Promoting the Development of Information ization in Higher Education

3.1 Enhancing Awareness of Educational Informatization through Training

Universities should fully recognize the importance of carrying out educational informatization work, and continuously enhance their ideological awareness on this basis, striving to achieve the goal of educational informatization. At the same time, it is necessary to strengthen teachers' learning of educational informatization knowledge through various training courses and other means, improve the awareness of teachers and students on the development and utilization of information resources, and actively create a good social atmosphere conducive to promoting the construction of higher education informatization. Schools should organize and implement a batch of distinctive educational informatization engineering projects based on their own conditions and actual situations to meet the needs of students at different levels.Relevant departments of governments at all levels should also actively participate in various activities in the construction of educational informatization [4]. Establish and improve relevant supporting policies and systems, promote coordination and cooperation among various forces, form joint efforts to address challenges, and ensure the smooth implementation of informationization in higher education in China. Only by attaching great importance to the construction of educational information and continuously enhancing the service capabilities of informatization in education management, teaching management, talent cultivation, scientific research, and other aspects, can modern information technology be deeply integrated with education and teaching, providing strong guarantees for improving teaching quality.

3.2 Give Full Play to the Role of Information Technology Construction in Resource Sharing

Governments at all levels should actively promote the centralized sharing of various resources to higher education institutions, establish and improve a mechanism for the co construction and sharing of educational resources in a network environment, and improve the efficiency of teaching resource utilization.Fully leverage the advantages of existing information networks, encourage social capital to

participate in campus digital transformation, and carry out pilot projects for the development and utilization of high-quality digital education resources.Before conducting overall planning for classroom teaching information management resources, it is necessary to improve the organizational structure of management methods, generate implementation plans from design plans, introduce and share course content resources, set shareable course content, and streamline them [3]. Added exercises related to the content of the textbook, making it easier for college students to practice after class and prepare for exams. Establish a dedicated personnel management method and a course content resource sharing control module.Firstly, strict control should be exercised over the content of shared resource courses, and inappropriate content should be deleted to ensure high quality, distinctive features, and advantages of shared resources; Secondly, when there are problems with sharing modules in the application, dedicated personnel should handle them, and relevant information records should also be saved in the database to ensure the effectiveness of resource sharing functions.

4. Conclusion

In summary, the construction of information technology in higher education is an inevitable trend in the development of education. Through educational informatization, it can not only promote the efficient operation of universities and improve teaching levels, but also change traditional teaching models, bring students interest and confidence in learning, stimulate their potential, and promote them to form good learning habits and lifelong learning abilities, thereby promoting the rapid development of higher education.Therefore, higher education institutions should continuously change the current situation of educational informatization construction, actively respond to new situations and challenges, accelerate the process of educational informatization, and better serve the higher education industry in China.

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