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Discussion on Information Construction of Special Education in Smart Campus under Internet + Environment

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ABSTRACT. *With the wide application of Internet technology, the construction of "Internet +" is becoming more and more people's concern. As the forefront of scientific development, colleges and universities keep pace with the times, universities are carrying out an information revolution. Accelerating the construction of intelligent campus education informatization under the background of "Internet +" education is of great significance to improving the level of education and teaching in Chinese universities. . Under the background of "Internet +" education, this paper analyzes the characteristics and current situation of the smart campus, and puts forward corresponding improvement measures, so as to make the information construction of smart campus better and promote the development process of our education.*

KEYWORDS: *"Internet +"; Smart campus; Information construction*

1. Introduction

Under the background of the rapid development of science and technology, the concept of educational information is constantly deepening, and various high-tech information management systems are also constantly applied in teaching, scientific research and management in Colleges and universities. It is of positive significance for the development of education in China to speed up the construction of intelligent campus information and truly realize the resource sharing of multiple information platforms on campus.

2. "Internet + Education" and the Connotation of Smart Campus

2.1 "Internet + Education"

"Internet + education" is a new form of education generated by the integration of Internet technology and education in the new era. "Internet + education" will not

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completely replace all the existing education. Instead, it will integrate the high-quality resources in the current education through the Internet, artificial intelligence, big data and other high technology, so as to express in a completely new form of new education. The emergence of "Internet +" education means a new direction for the development of information technology in Colleges and universities. It also means setting up corresponding software and hardware environment to support the related services provided by them, and also means re establishing an open and shared new sharing platform. Its appearance has strongly promoted the progress of Education, improved teaching efficiency, and faith in education. The information reform has a strategic guiding role[1].

2.2 Smart Campus

Smart campus is a kind of intelligent communication platform which effectively realizes the interconnection of various kinds of information by using the high-tech technology of Internet to organically integrate various aspects of campus cultural life. By connecting and blending all the objects in the campus, we can achieve the effect of efficient information transmission and truly make campus life "intelligent". From its concept, we can see that smart campus has these characteristics: perception, integration, integration and intelligence. The construction of smart campus speeds up the progress in the field of education, improves the level of education and teaching. Through the personalized practical teaching process, students can learn more about themselves, show themselves, and get a successful experience[2].

3. The Current Situation of Educational Informatization Construction in Smart Campus

Educational informationization requires that in the field of education, the campus should adopt modern information technology and information resources to carry out education and teaching. As another innovation movement in the field of education, educational informatization can not only improve the efficiency of teaching and scientific research management, enhance the quality of teaching level, and improve the concept of teaching service, but also the mainstream trend of the development of colleges and universities in the information age. However, the information construction of smart campus is still in a new stage, a new form. Each school has no unified understanding of the information construction of smart campus and the construction content, with different emphasis. Therefore, there are mainly the following problems: first, the lack of correct theoretical guidance, resulting in one-sided design, deviated from the user-centered theme; second, the connotation of smart campus is not clear, the difference is large, and has not completely separated from the logical thinking of digital campus; third, the management mode is single, the lack of awareness of establishing a new information management mode, and the letter provided. Information query and interaction platform are too simple[3].

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4. Rectification Measures for Smart Campus Informatization Construction under the "Internet +" Education Environment

4.1 Establishing the Information System Framework of the University Intelligent Campus

In order to realize the integration of physical space and digital space of university campus, the essential difference between intelligent campus and digital campus is to establish an intelligent campus information support platform with big data as the core, intelligent perception as the nerve endings, mobile Internet as the neural network, relying on intelligent applications, providing users with adaptive and personalized interaction, and realizing the wisdom of various business of University. Support for running. From the perspective of the architecture features of smart campus, we can divide the overall architecture of smart campus into three layers: perception layer, network layer, platform layer, application layer and service layer. Perception layer: realize real-time perception, monitoring and positioning of campus environment through smart phones, radio frequency identification, network cameras, GPS satellites and other technologies and equipment, and provide data support for collected information; network layer: integrate campus wired network, wireless network, mobile Internet, etc., realize high-speed interconnection anytime and anywhere, intelligent management and control of campus network, for intelligence Huicampus provides safe and reliable network communication guarantee; platform layer: unified authentication platform, unified database platform, unified portal, data center platform, etc., which is convenient for managers to improve management efficiency; application layer: according to the specific situation of each school, there are differences, basic business, integration of various business systems to achieve data sharing, and provide intelligence for the unified information sharing and intercommunication of the whole school. Intelligent and personalized application services, thus forming a smart campus architecture[4].

4.2 Change Ideas and Strengthen the Construction of Information Management System

For the informatization construction of college education, first of all, it is necessary to further formulate the short-term, medium-term and long-term construction plans, promote the construction planning of key work such as system application upgrading, cloud network integration, overall redesign of data architecture, data analysis and mining, and further strengthen the top-level design and clarify the segmented objectives of informatization construction. Secondly, according to the problems existing in the traditional course construction, textbook construction, practical teaching software and hardware, classroom management, we should formulate effective teaching reform strategies, change unreasonable teaching and learning; establish a learner centered teaching normalization mechanism, change the management service mode, advocate the use of social resources to purchase management services, and improve management, service and resource utilization. To

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provide teachers and students with more convenient, efficient and high-quality campus services[5].

4.3 Attach Importance to Data Application and Build "Big Database" in Colleges and Universities

Information and data are scattered in the application of various systems in Colleges and universities, and lack of effective integration. At present, most of the information and data in various systems in Colleges and universities are only transmitted to users through a single point. This transmission mode has low effectiveness and big block. To build a smart campus, it is necessary to implement the information construction work between information and data and teaching, management, scientific research, service, etc., enhance the rapid flow and wide spread of information, so that information and data can reach users in different time and space, so as to play a greater value. Colleges and universities should fully realize the importance of structured data, strengthen the aggregation, accumulation, analysis and processing of data, deepen the understanding of "big data", strengthen the construction of data collection and storage tools, actively promote information reconstruction, multi platform sharing, form "big database" in Colleges and universities, and guide teachers and students to use online platform to carry out relevant work[6].

4.4 Set up a Professional Team of Data Analysis in Colleges and Universities

Only after the professional analysis of data, the value of data elements will be fully revealed. It is necessary to analyze data in depth and scientifically, but there is no special data analysis team in Colleges and universities in China. According to their own needs, colleges and universities establish a professional and familiar with data science teaching, scientific research, management, service analysis team to provide data-based evaluation and reform suggestions for the overall operation of the school, but also to give more targeted suggestions to teachers and students, improve the quality of teaching, help to release the comprehensive role of information and big data[7].

4.5 The Implementation of Grounding for the Information-Based Intelligent Campus Working Basis

The construction of smart campus is a systematic project, which has the characteristics of complexity, long-term and continuous development and change. It is advisable to adopt the strategy of "overall planning, step-by-step implementation". Stable and reliable, taking into account expansion and performance: adopt mature schemes, technologies and equipment with many implementation cases to ensure the stability, security and reliability of the system business; infrastructure and core business are preferred, big data and cloud computing need to rely on data, priority is given to building hardware equipment required for data standardization and data

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collection and transmission system, and construction and intelligent education Big data platform related to core businesses such as intelligent research, campus management and social service; intelligent application promotion and optimization, simultaneous establishment of service process and guarantee mechanism, and gradual realization of intelligent personalized service and decision support in Colleges and universities[8].

5. Conclusion

Under the background of the rapid development of the Internet, the traditional education mode has changed significantly, and then derived a new education mode of intelligent campus education information construction. Students' life and learning mode have changed dramatically. Accelerating the construction of intelligent campus education information construction can not only better stimulate students' interest in learning, but also guide students to learn from themselves. Perceptual learning plays an important role in the development of education and the innovation of campus management.

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