

Analysis of the Status Quo of Informationization Construction in Universities and Research on the Construction Objectives

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Abstract

In the innovation and development of science and technology in China, a large number of information equipment is applied to the educational management of colleges and universities, which not only strengthens the teaching level of colleges and universities in China, but also improves the educational management mode. There are still many problems in the construction of new language in colleges and universities in China, which have limited influence on the improvement of the actual education level. Therefore, effective improvement measures should be put forward in practice development. On the basis of understanding the contents of information construction in colleges and universities, this paper analyzes the practical teaching plans and construction objectives in view of the current situation of information construction in colleges and universities.

Keywords

University; Informatization; Information Awareness; Information Basis.

1. Introduction

In the construction and development of modern society, computer network technology platform, as an indispensable part, has played a positive role in education management. As an important platform for cultivating excellent talents in China's social and economic development, colleges and universities should continuously improve their internal management mode and education programs under the increasingly innovative market environment. Especially for the college education work in the era of big data, according to the actual information construction situation, put forward a clear construction goal and plan, which is helpful to guide the college education management to move forward steadily towards the established direction.

2. Current situation of informatization construction in Colleges and universities in China

In the overall promotion of social information management consciousness, the application and development of computer technology is getting faster and faster. Although colleges and universities in China have made excellent achievements in information construction and the actual construction level is constantly improving, from the perspective of overall development, both internal hardware equipment and software environment need to be constantly innovated according to the needs of The Times. Nowadays, colleges and universities in most areas of China have integrated network information technology and begun to build campus network system according to their own business needs. The actual administrative network can reach 100 MB or even more than 1000 MB, and the internal and external environment is constantly improving [1]. At the same time, on the basis of extensive attention to information construction, university administrators began to increase the investment intensity of various resources in combination with the needs of The Times and the direction of construction, and carried out practical

research on specific construction and development problems. The final results show that the main reason for the problems in the information construction of colleges and universities in China lies in the imperfect understanding of the information construction by the leaders of colleges and universities. They only integrate the information concept into the infrastructure construction, and do not carry out in-depth analysis from the fundamental connotation and practical application of construction development. In this way, not only can not fully show the informatization construction, the positive effect on the educational innovation of colleges and universities, but also will affect the efficiency and quality of the actual informatization construction. In addition, with the development of university informatization construction level, improve the internal system of the management system more and more, but the actual information system integration and does not meet development demand, a lot of information management system are all independent existence, the communication between each other have some limitations, so it is difficult to effective use of data resources in the education innovation.

3. How to carry out informatization construction and development in colleges and universities under the background of the new era

3.1. Improve data information awareness

According to the accumulated experience, the information construction of colleges and universities is not only to expand the coverage of the network, but to use big data technology to carry out a comprehensive reform of teaching tasks and management thinking on the basis of truly realizing the goal of office information and automatic operation. In the construction and development of the new era, colleges and universities should, on the basis of attaching importance to data construction, organize the staff of all departments to strengthen their data awareness and adjust their teaching thinking according to the needs of The Times, so as to make mass data information play a positive role in the education and management of colleges and universities. At the same time, managers should use computer technology to integrate and reserve educational resources, pay attention to the mining of new knowledge and technology and management programs, so as to lay a foundation for the proposal and implementation of subsequent educational decisions. In addition, university administrators should attach importance to the real-time and perfection of data information, and learn to use this content to scientifically plan practical education work.

3.2. Optimization of educational management thinking

Cultivating talents is the core task of university construction management and also the focus of information construction innovation. By continuously optimizing the internal management and service system in practice and development, we can not only build a good learning environment for talent cultivation, but also fully demonstrate the unique value of big data technology concepts. For example, technical means such as data security, data analysis and cloud database can not only store various data resources needed for the development of knowledge analysis, but also provide basic power for subsequent innovation when they are operated in the educational management of colleges and universities [2]. Therefore, effective integration of information technology and teaching experience accumulation, constantly improve the training mode of professional talents, can be in the university scientific research services and other work to build a perfect development mode, in line with the development of the new era of intelligent university personnel training mode. For example, while actively participating in information construction, college English teachers should pay attention to improving their own educational ideas and thinking [3].

3.3. Building an information platform

At present, the information construction in colleges and universities is limited by technical conditions and environmental design and other factors. While the internal information management system exists independently, problems such as data redundancy and poor communication gradually emerge, which are also the focus of practical technology exploration. [4] Integrate accumulated experience analysis, in colleges and universities should clarify their own information level and environmental conditions, on the basis of strengthening the integration information platform construction level, integration of research students, financial, educational administration, personnel management system, create conform to the universities own development demand management platform, pay attention to for information and resource sharing between departments to build a good platform, In order to demonstrate the comprehensiveness and effectiveness of educational decision management. The specific platform structure design is shown in Table 1 below [5-7]:

Table 1. Structural design content of university information platform

	P1 Unified Standard	P2 Full integration	P3 Business Innovation
	Information center/Secondary college specialized resource pool to meet specific business needs	The IT resources of the whole school are integrated and the cloud service platform of colleges and universities is established	Technology center Application of wisdom
The infrastructure	Q1: Teaching cloud: Meet teaching business (course selection/courseware/examination /...) Q2: Scientific research cloud: Meet scientific research business (HPC/AI/ big data /...) Q3: Desktop cloud: Traditional PC replacement Q4: Administrative cloud: School public business	Q1: Cloud IT resource integration, resource sharing (LAAS /PAAS) Q2: Establish the IT public resource service platform of the university	Q1: University Data Service Directory (Data governance/Data Service Bus) Q2: Ai-based Professional business (Mathematical quality analysis/Student psychological analysis/Smart Campus application)
Safety compliance	O1: Network Security (Firewall/Anti-ddos /IPS/ IDS) O2: Host security (antivirus /OS hardening) O3: Security O&M (Fortress server/Log audit/database audit)	O1: Network security Analysis (Situational awareness) O2: unified security authentication	O1: security service
The businesses	O1: Scheduled VM backup O2: CDP Backup of VMS O3: Database Backup	O1: Remote Data Backup O2: Remote Dr For key services	O1: Process Dr Drill mechanism
Management operations	O1: Locomotive moving ring monitoring O2: Unified computing, storage, network, security, and application monitoring	O1: Unified Multi-cloud Management O2: Unified multi-cloud monitoring O3: Cloud Service Operation	O1: ITIL O&M process O2: Asset management O3: Automatic O&M

4. Conclusion

To sum up, in the face of increasingly innovation education management environment, colleges and universities to take advantage of big data technology concept, internal information construction, not only must strengthen the management of data and information consciousness, improve the professional personnel training mode, but also according to the practical construction limited problem put forward effective countermeasures, thus obtain the standardized education informatization platform finally. Through rational use of big data resources and technical ideas, the reform and optimization of educational information and management mode in colleges and universities can not only strengthen the level of information construction in colleges and universities, but also guarantee practical education management and efficient progress.

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