The Research of Situation and Strategy of Teaching Management Informatization in University

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Abstract. With the rapid development of computer science and information technology, it has become an inevitable trend to informationize college education administration. The mission to stabilize and enhance education administration is faced up with by all colleges and universities. This paper describes features and meanings of teaching management information in university, further explore and promote development ideas and effective measures of teaching management information construction from constructive status and existing problem.

Introduction

With the rapid development of technology, informationization has become the main trend of current world development, are also the inevitable trend of social development in our country, which means that the level of information has become an important index to measure a country's modernization level and overall national strength. The education information as an important part of the national economy, is an important basis for national social information building. Therefore, if we want to build a modern national education system, form a learning-model society, we must realize informatization in teaching management in order to promote comprehensive innovation and profound reforms in the field of education ideas, concepts, models, contents and methods. Currently, although teaching management information of our university have been developed in some degree, still exist many problems in the process. In this paper, we regard pedagogy principles and modern management theory as a guide, analyze current status and existing problems in the process, combine the actual situation, strengthen building of teaching management information, ensure to improve teaching quality, make use of resources rationally, cultivate high-quality talents who are adaptive to social development needs.

The meaning of teaching management information construction

Teaching management information refers to the specific application of IT technology in the field of education management. Specifically, it is based on IT technology, under the guidance of modern education thinking, uses theory and methods of information management, effectively plans, organizes, directs, coordinates and controls the teaching process, and realize required teaching objectives. From the content of teaching management, information refers to a lot of aspects work including teaching planning management, organization and management of teaching process, teaching quality management, teaching administrative management and discipline construction, professional construction, curriculum development, teaching team building, teaching management

system construction. From teaching management means, it is widely application of information and network technology in teaching management^[1].

The features of teaching management informatization

A. Digitization

Digitization is the technical foundation of information management. Digital features of teaching management information building, in the process of applying computer teaching management, combining with information technology, show a large number of complex teaching management information in digital form. The existing problems in the process will be reflected in digital form, which make problems more figurative, more simplistic. Whether teachers or students in the process of teaching, the digital characteristics greatly facilitate teaching management, improve efficiency and quality, inspire to think for people.

B. Being more knowledgeable

Modern society is the information integration society, the means of imparting knowledge are changed fundamentally. The spread of information has brought rapid development for whole society, the development essence of information society is a process of dissemination and application of knowledge. Teaching management information makes the original teaching models face new challenges, strive to promote the teaching management level. In teaching management information building, schools carry out information teaching management, whose the biggest feature is highly concentration and share of information, also fully reflects knowledge characteristics of teaching management information building .

C. Network

Networking refers to make use of communication technology and computer technology, interconnect computers distributed in different locations, realize the goal in which all users can share with software, hardware and data resources according to network protocol^[2]. In the process of teaching management information building, the network is the another significant feature. Nowadays, computer networks are widely used in all kinds of field, teaching management models of university in information ages have a corresponding change. The network in teaching management mainly refers to the campus network, teaching management information building connects fully all links in teaching with the help of network platform, realize freely flow of teaching information, also realize to command, control and manage system interaction.

The status of teaching management information building of university

A. The equipment are obsolete, supporting facilities are inadequate.

In teaching management, how to use a computer, how to scientifically classify, process and settle teaching information in order to ensure coordinated and orderly teaching, which has become a new challenge. However, because universities pay more attention to investment of research and teaching, facilities of teaching management are still at the primary level, which certainly affect the efficiency of teaching management^[3].

B. The educational level and quality of teaching management staff need to be improved.

Educational level and quality play the most important role in teaching management. Business level of educational administrators are still at a low level because we don't have a unified measure, the staff who work on teaching management can not bear informative professional technical work.

C. The construction of teaching management software are unreasonable.

Teaching management system should focus on teaching management work, software system developed by some companies are lack of perceptions for teaching management, lack of understanding for teaching links, miss ductility of functional blocks, are difficult to meet complex requirements of teaching management.

D. Colleges and universities can't share resources.

Because different colleges and universities have different time to collect and manage information system, information format between system and campus network aren't compatible, can't cover all links of teaching management, have inefficient use. Therefore, we should have unified management, improve non-standard problems, share with campus information system resources.

The strategy of teaching management information construction

A. We should change ideas, improve the understanding for teaching management information

Teaching management information has great change for existing teaching management. The process of teaching management information is not a simple introduction process for message machine, information technology or network, but the change process for concept and ideas of teaching management, also the process of systematical analysis, statistics and decision-making for teaching management process on the view of information ideas^[4].

Firstly, we must liberate our minds, have a objective analysis for traditional teaching management including concept, models, means and methods, teaching management. Secondly, we should recognize that strengthening information construction is a global system engineering. From teachers to students, they must understand the significance of teaching management information, further transform ideas and concepts, devoted to teaching management information building with new ideas and concepts. We will create available environment where people are willing to use modern information technology to teach, manage and learn.

B. We must strengthen team building of teaching management if realize teaching management information

Good hardware environment also needs support from soft environment, namely high-quality teaching management team. Teaching management information in university require that administrators must have a strong sense of information, are familiar with information system of teaching management based on network information, become innovative and high-quality administrators. To improve administrators' information literacy and information management capacity, we insist on combining introduction with training, paying attention to the principle of training. On the one hand, we should introduce talents who have higher information education and information management capacity, enrich teaching management team; on the other hand, we focus on training and improving their information capacity from existing administrators, improve their modern information literacy through training, improve their capacity of applying and developing information technology. Meanwhile, we should have regular assessment system for administrators so that they can timely grasp a variety of skills at information ages, only in this way, can we build a teaching management team of information technology with a reasonable structure, higher quality, innovative thinking and practical ability.

C. We establish perfect functional comprehensive teaching management information system

In order to adapt to the needs of teaching management information, teaching management should change from a closed school management towards open network management, from manual qualitative single management towards quantitative comprehensive scientific management, which need a strong network platform as the foundation^[5]. A comprehensive teaching management information system with perfect functions should include: resources management from school basic teaching, such as teacher resources, classroom resources and library resources management; learning information management from students, such as register and deal from students' achievement, credit points, education and degree management from students; academic information management, such as teaching plans, student enrollment, course examination and teaching practice.

Conclusion

Educational information is the inevitable choice for the educational administration reform in universities under the credit system. If we use information technology reasonably and effectively in teaching management, we must update education update. Only we fully understand the importance of information management, establish the concept of information management, do we ensure smooth development of education management information. We realize centralized management, decentralized operations and information sharing of administrative information step by step, improve work efficiency and management level, develop administrative management from traditional experience, transactional management to learning, innovation, service-oriented management. Eventually, we achieve teaching goals by means of scheduling, coordination and service in high efficiency and quality.

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