Assessment of Medical Education Informatization in China

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Abstract. On the base of the research of education informationization and the underlying database, an empirical data verification model is constructed. Modern management science, system theory, information science, statistics related theory and method of theoretical analysis and empirical analysis are integrated. The combination of vertical and horizontal comparison difference analysis, trend prediction and the method of the combination provide informatization level evaluation system research, analysis and prediction.

Introduction

Information management and communication network is to set up schools internal information network as the foundation. National public communication network not only need to connect each department in the school, but also to connect medical education and society. It makes it possible for medical education to participate in the globalization. The system strategy of medical universities is virtually possible [1].

How to effectively evaluate and monitor the construction quality of education informationization in China is an important problem that must be solved in the whole strategy planning of education informationization. The basic data and assessment methods which have been lack in the information level of education in China have seriously affected the rationality and scientificity of education information in China.

Different regions and types of schools in our country have large differences between each other. The current informatization evaluation system of advanced medical education is still imperfect. The lack of a wide range of evaluation practice in advanced education informatization is the main problem [2].

The Connotation and Present Situation of Informatization Construction of Medical Universities in China

The Connotation of Informatization Construction

The application of informationization management system can establish the electronic management system of students' archives, which have many advantages over the traditional paper file system. In addition, with the constant improvement of the system, basic public services should be brought into the system, including the basic information, health education, prevention, health care, family planning guidance, physical examination, special archives, personal family archives and education background archives, etc [3].

University informatization are defined that the development of modern information technology, colleges and universities according to their own needs, use advanced information technology to strengthen the management ability, improve the teaching quality, promote the scientific research level and improve the living environment [4]. We can research problems of information construction of
colleges and universities from different levels. For example, the construction of the teaching and the cultivation of the students and teachers, remote education, education resources development and utilization, the construction of information infrastructure, and campus management information are included. To realize the informatization of colleges and universities it is the inevitable trend of the development of colleges and universities in the information economy. It is the only way for Chinese universities to make their way to the world-class universities [5].

The Present Situation of Informatization Construction

Education informatization refers to the use of modern information technology in the process of education. It develops education resources, optimizes the process of education, cultivates and improves the students' information literacy. It promotes the process of education modernization.

Throughout the world, education information has become a forward-looking strategic choice for countries to build human resource power and realize rapid economic development. Education informationization drives education modernization and realizes education leap-forward development, which is the strategy of education business reform and development in China [6]. In the future, nearly two thousand colleges and universities nationwide upgrade informationization construction, market of education informatization, around the diverse needs of education informationization in the explosive growth.

The Evaluation of Informatization Construction

The Meaning of Evaluation

After the electronic files have been completed, we will expand the coverage and improve the information integrity through the use of the electrical services. It classifies the systematic management and its basic information to lay a solid foundation for the implementation of systematic management [7].

At the same time, through the detailed file management system, equipped with full-time management personnel, unified training, assessment, it practices the only coding system and makes clear specification of archives management.

The Content of Evaluation

The infrastructure construction of education in China has made a great progress. But the infrastructure is only the first phase of the education informationization, because of large funds investment in the equipments in the teaching application of information technology. The teachers teach how to use information technology in the process of actual situation [8]. The school management of informationization development is evaluated.

The construction of university informationization in the new era should focus on teaching and management and students' learning including hardware system and software system to education resources. The software will support teachers' management. Teaching is gradually changed into a system that supports students' independent learning and personalized customization.

Campus informatization mainly includes the construction of network engineering and information system engineering [9]. The essence of informationization construction is the application. It is the future development direction that the information construction of colleges and universities integrates with teaching application and teaching services.

With the development of information technology, the simple information management system has not been able to meet the demand of people's intelligent management of education resources, so knowledge management comes into being. Knowledge management converts all kinds of information into knowledge, so that knowledge can be generated, acquired and reused [10].
The Method of Evaluation

It has become a key construction task for health informationization and an effective countermeasure for the development of health informatization. Therefore, according to the new requirements and new environment since the reform, together with the present situation of informatization construction, content, task and realization method of government-led, social participation, overall planning, the top-level design, installment implement cloud computing application mode and establishing project management system play the role of information technology. The further research assessment has important practical significance and far-reaching historical significance [11].

The research of index selection and index system has great significance for the education information evaluation. From the international research, the construction and perfection of education information evaluation index system is still the focus of the world.

The United Nations’ educational, scientific and cultural organizations and the economic and cooperation development organization tries to develop a detailed set of index system between different countries. The index system aims at providing a national policy maker with assessment and monitoring of education information [12].

Through information collection, analysis and interpretation of key index system, comparing between different countries is due to education informationization and information communication technology between different countries. The digital divide between different regions guides the education policy [13].

Summary

The construction of university campus network has achieved good results. The informationization construction of colleges and universities plays an increasingly important role in the teaching, scientific research, management and life service of the university. The information construction of colleges and universities is new. The process of construction is bound to appear all sorts of problems. How to rationally solve for the existing problems is the key to promote the information construction of colleges and universities.

On the base of the analysis of the status of information construction in colleges and universities, this paper explores the problems existing in the informatization construction in colleges and universities as well as the causes of the problem. It puts forward the countermeasures and suggestions for some problems to provide reference for information construction of colleges and universities in our country.

References


