

Study on the Relationship between Educational Informatization and Information Education under the Educational Information System

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Abstract: With the advent of the era of knowledge economy, the society is demanding higher and higher education informationization. It can promote the rapid development of education itself. This paper starts from the angle of educational information system and expounds the development of educational information system. Then it analyses the relationship and difference between educational informationization and information education.

1. Introduction

With the rapid development of information technology, the Internet has been popularized. The role of information technology in the field of education is also increasingly valued. The deployment and implementation of information system based on network is the general trend. The traditional education model can no longer meet the demand. Comprehensive education reform which to meet the new requirements of the information society for the development.

2. The development of educational information system.

In traditional educational activities, teaching administrators are engaged in the collection, transmission, storage, processing and analysis of educational information. With the development of information technology and the emergence of new information technology, the storage and processing methods of teaching management information have changed. People began to consider using two-way communication technology to complete the design of educational information system of the type shown in Figure 1, for example, CAI system, video teaching system, learning response system and so on. In order to complete these educational information activities, educational information system needs its hardware and software to work well together. Hardware is material part and the basis of activities. Software is information part and the main factor of control system activities.

The emergence of two nouns, "educational informatization" and "informational education" which is the educational system is gradually transforming into the educational information system. They reflect the essence and connection of information process from different angles.

3. The definition of education informatization and information education in educational information system

3.1. Educational informatization

Educational informatization refers to the application of modern information technology in the field of education. The modern information technology based on computer, multimedia and network communication should be applied comprehensively in the course of education. Guided by System Science and thinking with information. As a basic component of the education system which has penetrated into every education field. In order to promote the informationization education and realize the system engineering of education modernization, the structure of educational information system should be optimized. It is great significance to deepen educational reform and implement quality education to meet the new requirements of the coming information society. From the perspective of educational information system, the structure is constructed to achieve the economy,

education and applicability. It can be lays the foundation for information education. Therefore, the focus of educational informatization is to study the "informatization" of the environment, materialized equipment, teaching management and other personnel in the education system.

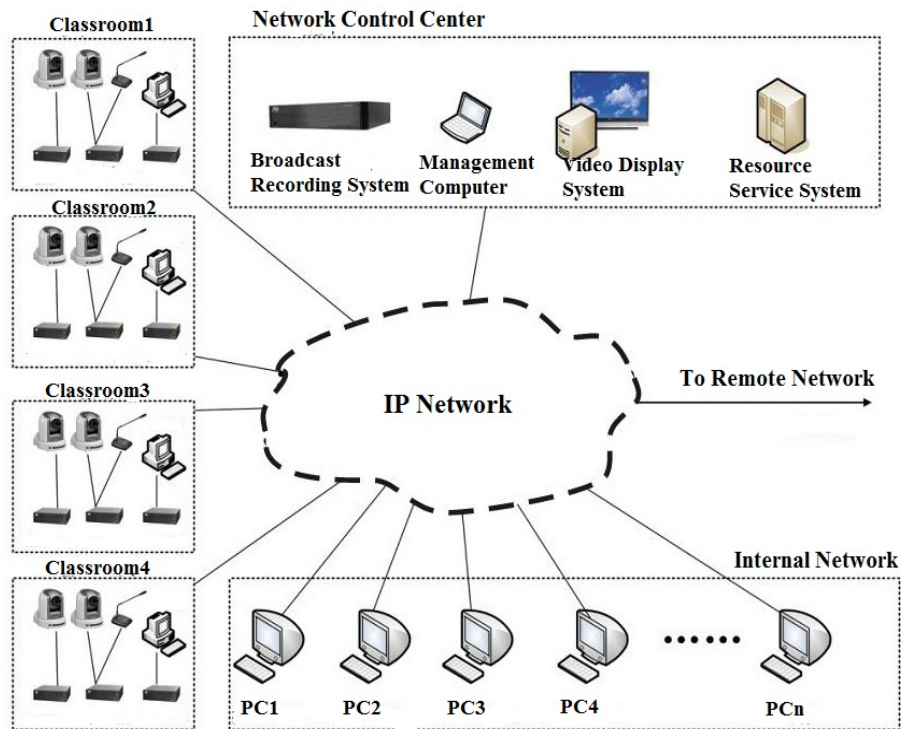


Figure 1 An educational information system

3.2. Information education

Information education is a new form of teaching. Guided by modern educational thoughts and theories, to optimize the structure of educational information system and to develop the process and form of interaction among various elements, through information technology, information elements are fully integrated with elements in traditional education system. It can make the process of teaching and learning more efficient and optimized. In this way, we can cultivate innovative talents to adapt to the information society. Accelerate the realization of education modernization of new teaching forms. From the perspective of educational information system, its focuses on the development of teaching information activities in terms of time. It refers to the specific elements, the purpose, direction, form, strategy, method, process, stage and effect of the development between the categories.

4. The relationship between educational informatization and information education

4.1. Connection

In the educational information system, the construction is a systematic spatial structure. But information education focuses on the time course of interaction among the construction elements. They are two simultaneous and indivisible processes.

The construction of educational informatization is the basis for the realization of the whole educational function, which reflects the instrumentality. But information education is a necessary process of teaching purpose, which embodies the value. The whole function of education is formed by the aggregation of educational purposes. They are intertwined and mutually reinforcing.

The task and problem of them is stipulated by the main contradiction of educational information system. The methods and means to solve the contradiction are consistent with the evolution of educational information system.

4.2. Distinction

Educational informatization and informational education are two different concepts. Educational informatization is the universal application and promotion of information technology in the field of education. Information education is a specific form of education based on modern information technology.

Educational informatization and information education have different social functions. The purpose of educational informatization is to promote social informatization and national informatization. The purpose of information education is to cultivate high quality creative talents which to realize the modernization of education.

Educational informatization and information education have different development modes. The core of educational informatization is a complicated process of pushing forward in a certain direction. But the essence of information education is an educational mode. It is the result of the double transformation of modern educational concept and modern educational technology.

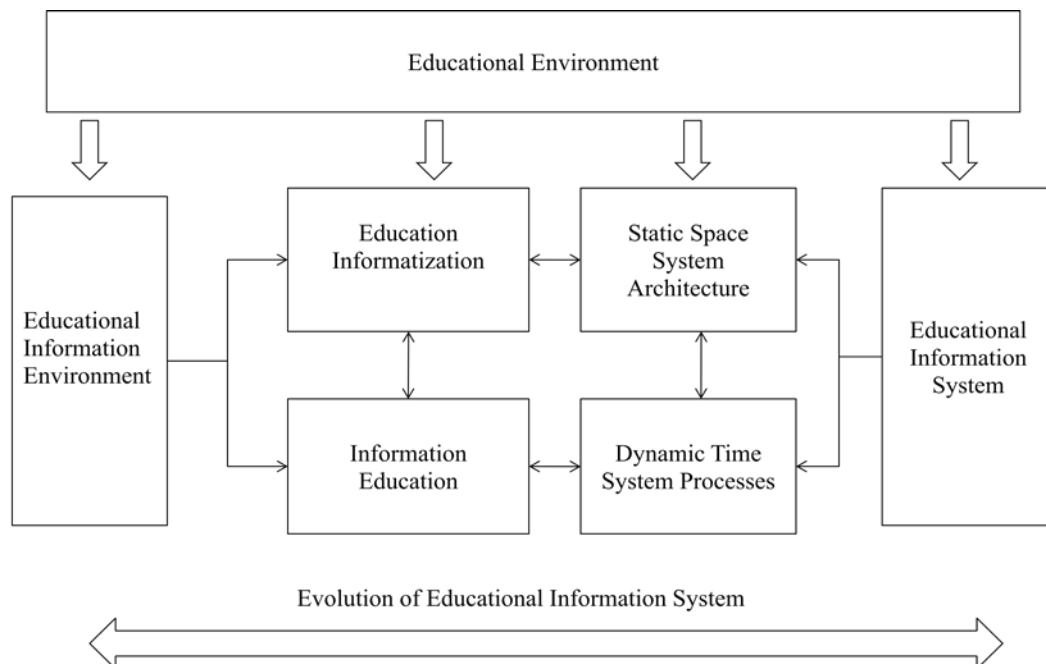


Figure 2 Relations in educational information system

5. Conclusions

Educational informatization is the process of pursuing information education and information education is the inevitable result of the process of educational informatization. Only by effectively combining the two, we can improve the information awareness of national information professionals and teams. Making great efforts to build educational information infrastructure which make the informatization level of education in our country should be improved rapidly. Our educational development prospects must be bright.

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