ACTUALITY OF ELECTRONIC LEARNING RESOURCES IN TEACHING IT AND INFORMATION TECHNOLOGIES

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Abstract: Today, in the teaching of informatics and information technologies, the creation of electronic educational resources, the creation of modern educational tools and portals, and further informatization of education is an urgent issue. The main factors and effectiveness of using modern technologies and e-learning resources in the teaching of informatics and information technologies are highlighted in the thesis.

Keywords: Computer, multimedia electronic manuals, Internet, electronic database.

INTRODUCTION

The need to transition to an information society is the formation and priority of a new technological order in the world economy, the transition of information resources to real resources of socio-economic development, meeting the society's demand for information products and services, increasing the importance of information and communication infrastructure in the system of social development, international information the improvement of educational, scientific-technical and cultural spheres based on exchanges is conditioned by the use of "global information advantages" on the basis of equal rights. In recent years, the advantages of electronic education over traditional education have been identified more and more. Recently, students and teachers have come to the conclusion that online education has more advantages than some types of traditional education. The reason is that digital learning platforms aimed at improving the quality of education are increasing in the education system, where the best aspects of traditional and online education are combined to form a mixed education system. The reason for this alternative is the low cost, flexibility, freeness of mixed education, as well as the advantage of using complex technologies in the educational process. Interest in this trend affects students in the educational process and increases the quality of education. Many studies have shown that online education leads to the development of creative thinking in students, that is, it forms the basis for students' independent learning and the ability to adapt to the educational process, taking into account their individual needs. We can see the development of electronic education in the ability of students to behave freely in the digital world, that is, to download and analyze the necessary information, to freely use online content. As time goes by, we can introduce the desired type, method, teaching method of traditional education to this trend based on the use of technologies.

MAIN PART

The use of modern pedagogical and information technologies makes it possible to determine the following main directions of the educational system:

- to ensure the improvement of mastering level in all subjects taught in the educational system;
- in the educational system, increasing attention to the processes that enable students' ability, talent, independent thinking, formation of communicative skills, development of knowledge acquisition in various disciplines, formation of skills and abilities.
- widespread use of pedagogical and information technologies in conducting automated tests, evaluation and management, i.e. increasing the effectiveness of the pedagogical process, to monitor student knowledge.

The quality of the educational system through the use of pedagogical and information technologies is determined by the following two main factors:

- the quality of the information and communication technologies used in the educational system;
- quality of modern software tools of information technology tools.

The capabilities of modern telecommunications are a very wide system, which includes, in addition to the known concepts such as computers, multimedia tools, computer networks, and the Internet, as well as a number of new concepts. These can be examples of information systems, management of information systems, information transmission systems, data warehouse, data warehouse management system, knowledge warehouse, etc. Introduction of electronic education in the field of education in the ―21st century information age‖, in every educational institution: teaching and learning process; management of the educational institution; requires information about the environment of the educational institution. The stages of creating an ET environment in an educational institution begin with the creation of a psychological information environment. The need to use modern tools and methods is formed on the basis of technological and scientific results, created software products. It is necessary to organize a system of independent and computer education of pedagogues on the basis of individual and advisory training in each educational institution. In our country, special attention is paid to the organization of information resources in the field of education and their use in education. The introduction of IT into the educational system depends, first of all, on the intellectual potential of the society, including the informatization of the educational sector, the development of information and educational resources. Development of basic mechanisms of integration of education with science and production, its implementation, individualization of study, independent learning, development and mastering of educational system technology and tools, using ET on the basis of new pedagogical and information technologies acceleration of students' studies is one of such important tasks. It will be necessary to make certain changes to the principles of organizing the educational process on the basis of ET, including improving the presentation of educational materials. The use of ICT in the educational process is carried out mainly in two ways. The first condition is that it is technical equipment, and the second condition is that it is provided with special software.

The computer and information technology education system is currently one of the widely used computer and information technology-based educational directions. To achieve maximum efficiency, it is necessary to create automated training courses, electronic textbooks, manuals, that is, a database of electronic information resources for all taught subjects. These electronic information resources are written on CD-ROM or flash drives and placed on computer networks. The use of instructional, informational, and control programs for independent learning of students in various educational fields, repeating the topics covered, and passing tests based on the acquired knowledge will be important in increasing the effectiveness of teaching based on information and computer technologies. Therefore, the creation of electronic textbooks that incorporate all these functions remains one of the most urgent issues of today.

CONCLUSION

The effectiveness of using pedagogical and information technology tools in the educational system depends on the level and experience of teachers' knowledge and skills in applying these technologies to the educational process. In other words, the main attention should be paid to the perfect use of pedagogical and information technologies in the educational system, first of all, to the creation of conditions necessary for teaching and learning, and to the effective use of modern electronic information and methodological resources in educational processes.

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