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THE ROLE OF MOBILE APPLICATIONS IN THE EDUCATIONAL SYSTEM OF ACADEMIC LYCEUMS

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Annotation. *This article presents the effectiveness of the application of mobile applications, multimedia tools to the educational process in the education of today's academic lyceums, the advantages of Information Communication Technologies.*

Keywords: *information and communication technologies, mass media, inclusive education, computer technologies, modeling technologies.*

INTRODUCTION.

In educational institutions around the world, creative technologies for informatization of educational processes and introduction of multimedia applications are being put into practice. In the new education concept for the period until 2030, adopted by international organizations and developed countries, education is recognized as the main driving force of development and an important activity leading to the goals of sustainable development, and systematic work is being carried out to determine promising directions for modeling the educational process, design promising directions for the use of modern pedagogical and information and communication technologies.

In educational and scientific research institutions around the world, scientific research is being conducted on the formation of electronic resources for intellectual development, increasing the efficiency of the use of information technologies in the fields of engineering and architecture, and designing on a computer using digital design programs such as Revit, AutoCAD, 3DSMax. Special attention is paid to the widespread use of virtual educational technologies, electronic textbooks, and multimedia electronic learning complexes in the educational process, as well as to the training of qualified and modern specialists using multimedia applications in the educational process, providing students with innovative knowledge in various fields of activity, and constantly improving professional skills and qualifications.

MAIN PART.

In recent years, in higher technical educational institutions of our republic, the process of creating visual materials, electronic textbooks for teaching based on computer technologies, including multimedia applications, has been rapidly developing, the content of creating multimedia applications has been improved, and the normative basis for existing teaching methodologies and technologies has been created. Over the past years, a comprehensive set of measures has been implemented in our country to form a modern architectural image in urban and rural settlements, to accelerate construction, and effective mechanisms of state management in the construction sector have been

introduced. As a result, the pedagogical opportunities of future specialists in the field of architecture are expanding using computer technologies.

The need to solve the problem of information support of the education system, the development of a distance learning system, as well as the need for constant information exchange between organizations of the education system located in different regions of the country and abroad justify the need for a telecommunications system for educational purposes. It should be noted that telecommunication networks in education are primarily a structure with pedagogical practical significance and appropriate information content.

Analysis of information processes in distance education educational institutions shows that the main requirements imposed on the telecommunication system by the higher education system should generally provide the following:

exchange of scientific, educational and practical production information in the form of text, graphics, speech, images reflecting educational, methodological and administrative information;

remote access to catalogs and files of remote electronic libraries, user files, data warehouses and knowledge warehouses;

use of remote computing resources and remote laboratory practicums;

conducting teleconferences and videoconferences to organize and conduct the educational process, as well as directing the work of peer working groups, conducting joint publications of authors, electronic publications, teleconferences and teleconsultations;

creating the possibility of exchanging specific parts of information in a confidential form.

Analysis of telecommunication tools and systems (taking into account the results) allows us to distinguish the following didactic properties of them:

conversational information between clients regardless of distance in real and allocated time intervals;

processing of transmitted and received information
(storage, printing, editing, execution);

access to various information sources (electronic libraries, data warehouses, etc.);

access to remote computing factors and laboratory practicums, simulators;

organization of team-based communication via videoconferences.

Among the various forms of telecommunications, we will consider computer networks. As is known, computer networks allow for distance learning, create an effective structure for quick remote consultations on various problems, exchange textual and graphic information within the country and abroad, and provide easy access to the created database, as well as solve some problems of students related not only to their knowledge, but also to their social activities.

Currently, there are problems in using computer networks not only due to the lack of economic and material and technical factors, but also due to the lack of information in pedagogical communities about the procedure for using computer networks as technical means of teaching and their didactic capabilities, technical, economic and other aspects.

Such circumstances require the creation of a model of computer networks.

Computer networks have a number of didactic properties. Special technical knowledge is needed to distinguish between the technical and organizational features of the operation and structure of computer networks. For a teacher-researcher, it is necessary to know such properties and aspects of computer networks that would help to form an adequate pedagogical idea of computer networks. This is the content of creating a model of computer networks.

CONCLUSION. One of the main directions of the process of informatization of modern society is the informatization of education.

Informatization of education is considered in a broad sense as providing the educational sphere with the practice of effective use and creation (processing) of new information technology tools aimed at the psychological and pedagogical implementation of educational goals. In addition, informatization serves as the basis for the development of a distance learning system.

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