INFORMATION TECHNOLOGIES IN EDUCATION

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At present, the President pays great attention to education. They emphasize the need to create favorable conditions for future youth.

One of the important directions in the reform of the education system is the systematic integration of the educational process with information and communication technologies. At the same time, the organization of the educational process and the radical renewal of its content, the pedagogical activity of the teacher in the environment of information and communication technologies and the organization of the student's educational process are strategic issues. [1]

The rapid increase in information at the developing stage of scientific and technological progress and the limited time available for its use in the teaching process require the introduction of new technologies in the education system. One of the ways to improve the content of education is to create opportunities for students to learn independently, to create the necessary conditions for the formation and development of educational information sources. [2]

The basis of the educational process is a high-quality and high-tech environment. Although its creation and development is technically complex, such an environment serves to improve the education system, the radical introduction of information technology in education.

Modern information technology has great potential for students in the process of transmitting, storing, and retrieving information.

Many information and educational resources are now available in electronic form in educational institutions. The development of informatization of educational processes is directly related to the creation of information and educational environments through the integration of various educational information resources. In creating such an environment, first of all, there is the organization of information in educational institutions, that is, all educational, administrative and economic services, library and management (rector, dean's office, educational department, etc.).) to organize independent educational activities of students by combining departments into a single network, creating opportunities for their access to the Internet, control over the educational process in the educational institution, the organization of electronic exchange of documents, the creation of special educational and methodological complexes based on information technology It will be necessary to perform such tasks as [3]

It is now possible to organize the use of information and educational resources through the creation of portal technologies to perform such tasks. The use of information and telecommunication technologies in the educational process is an important aspect of the development of a single information-educational environment of the educational institution. Systematization of information facilitates the use of information and educational resources. The creation of information education portals helps to logically organize and organize information. A systematic approach to the creation and development of information and education portals is needed. This is because in creating a learning environment based on portal technologies, it is important to have a good level of analytical training, content relevance, and systematization of information.

The portal is a network telecommunication node that combines various information resources to deliver information to the user through simple navigation and a wide range of user-friendly interfaces. [4]

Based on this, the following requirements can be set for portals: - to serve a large number of users;

- breadth of information;
- use of basic network formats;
- Introduce an easy and efficient search engine;
- integration of information resources;
- ensure information security;
- stratification of information;
- knowledge management and analysis.

The performance of portals is determined by the amount of information contained in them, ie the amount of information resources. The purpose of any portal is to provide the user with the necessary information in a short time and without unnecessary transitions between different interfaces. The user interface of the portal should demonstrate the content of the resources placed on it, provide a logical and fast transition from one section to another. The information and educational resources provided will include assignments for independent study, tests to test the acquired knowledge, tasks to develop creative thinking, and exercises to strengthen knowledge. When choosing multimedia materials for the portal, it is necessary to pay attention to their information content, structure, membership and forms of presentation of information. Multimedia materials should be easy to absorb: they should be open to the public, that is, they should be used as an independent source of information. [4]
Technological information-educational portals have the following requirements:
- execution of applications;
- Ensuring joint activities;
- management of available resources;
- user management;
- control; - knowledge management;
- communication;
- search support;
- protection of all resources from unauthorized access, ie - information security;
- access to the system, ie registration. An education or science information portal is not limited to educational institutions. It is important that traditional and electronic learning materials complement each other as part of a single learning environment. The use of new information technologies will help to overcome the difficulties in solving some pedagogical problems. In order to ensure the effective development of information-educational portals science-education-production, it is necessary to pay attention to the perfect formation of the information infrastructure.

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