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THE IMPORTANCE OF MODERN INFORMATION TECHNOLOGIES IN DEVELOPMENT OF DISTANCE EDUCATION

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Until now there have been made a lot of scientific researches on producing innovation technologies, and applying to education widely, and achieving fruitful results. Besides there is being used modern pedagogical technologies in teaching subjects in all spheres of education, being prepared teaching and methodical manuals.

Distance learning - it is an opportunity to learn in an individual mode, regardless of time and place, the possibility of lifelong learning. In all countries of the world, an increasing number of students studying remotely, increasing the number of universities that use these technologies in the educational process; created a large number of international educational institutions and etc. Modern education - is the integration of content and technology training.

Among the technological means of distance learning are three main groups: case-technology, TV-technology and network technology.

When a case-technology training materials are completed in a special set (case). This set is sent to the student for independent study with occasional reference to the faculty advisors in created for these purposes Training Centers. In particular, this group includes the traditional technology of distance learning. It is believed that with sufficient motivation student is able to self-learn and a considerable amount of material on a wide range of disciplines.

TV-technology, as its name implies, is based on the use of television lectures.

By networking technologies include Internet technology and client-server technology in local area networks. As Internet technology is used to provide Internet training students teaching materials, as well as for the interaction between teachers and students.

Internet - is a convenient and accessible source of diverse information. It opens up new horizons in the information support of science, providing access to information in electronic form, creating fundamentally new resources, forms of organization and direction of research and educational activities. However, the unlimited amount of a wide variety of form and content of public network resources, which do not always meet the requirements of both students and teachers. It turns out that the Internet is not enough high-quality, well-structured and available resources. This issue is becoming increasingly important in self-searching scientific and educational information.

At the same time, online distance learning technology has several significant advantages over the other. It allows you to study on an individual schedule, having regular contact with the teacher, other students and the administration of the training center. Connectivity "many to many" is a fundamental difference between Internet



technology from other distance learning technologies, creating the effect of "presence" and is generated by a phenomenon called "virtual university".

The Internet is an almost perfect technical tool for distance learning. It can deliver up to any student teaching material (textbook, video lectures or demonstrations of the experiment), and even to test. Any training requires a certain organizational and information support. Must have the following components: training center (school) - the organizational structure of distance education; information resources - training courses, reference, methodical and other materials; means of providing distance learning technologies - organizational, technical, and other software; teachers, students.

The main functions that must be met to organize and maintain the proper functioning of the system of distance education: support for training courses; delivery of educational material to students; support of reference materials (library); counseling; control of knowledge; organization of communication students (collective training).

Therefore, for a distance course requires four components that provide the educational process: information resources; means of communication; system testing; system administration.

Provide a means of communication as a process of interaction with the student's training center (in particular, with the teacher) and with other students, which is important.

Means of communication are, as a rule, e-mail and interactive conference. You can use off-line conferencing, built on the basis of e-mail, as well as modern means of on-line communication: ICQ, NetMeeting, and others.

System testing is one of the more important components. It should provide current control, and at the final stage to give an objective assessment of the students on the basis of which the issue of certificates and diplomas. Here is a very important issue of data protection and means of identifying students that do not allow substitution and distortion of the test results.

The most important component of a distance course - Information Resources, which focuses substantial part. Today, the materials on which are e-learning courses, has a multimedia nature - text, images, video, computer animation, music and voice. Therefore, one of the most important tasks is to organize heterogeneous (multimedia) information in the form of a unified information system, which is a training course.

Use as a tool of the Internet and other data transmission systems "bring together" the teacher and students who are away from each other, closer to the traditional distance education, in direct communication with the student teacher, lecturer with the audience, group seminars, proven for centuries. That is why distance learning is often called the form of education of the XXI century.

References

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