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PEDAGOGICAL TECHNOLOGIES OF DISTANCE LEARNING

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Abstract:	Keywords:
Today's specialist, no matter what field he works in, needs to be aware of events and events related to his field and to constantly improve his knowledge. The introduction of modern information and communication technologies into the educational process has led to the creation of a new form of education - distance education, in addition to traditional teaching methods. Definitions have been reviewed.	teaching, education, distance learning, distance learning, distance education, case technology, TV technology, interactive technologies.

Relevance of the Research Topic

In distance education, the student and the teacher are spatially separated and communicate with each other with the help of specially created training courses, control forms, electronic communication and other technologies of the Internet. Distance education based on the use of Internet technology provides access to the global information and education network, performs a series of important new functions with the principle of integration and interaction.

The Purpose of the Study:

Distance learning provides an opportunity for all those who want to learn to continuously improve their skills. In the course of such training, the student learns independent teaching and methodical materials in an interactive mode, passes control, performs control work under the direct guidance of the teacher, and communicates with other students of the "virtual learning group" in the group.

For certain reasons, people who do not have the opportunity to study in full-time departments of educational institutions, for example, those who do not require health, who intend to change their specialty, or who are old, who intend to improve their qualifications distance education is a convenient form of education for

Research Objectives

Distance education uses various information and communication technologies, that is, each technology depends on the purpose and nature of the issue. For example, while traditional print-based teaching aids (study guide, textbooks) are based on introducing students to new material, interactive audio and video conferences are based on interacting with each other during a certain period of time, e-mail to It is designed to establish forward and reverse communication, that is, to send and receive messages.

Pre-recorded video lectures allow students to listen to and watch lectures, and fast exchange of faxes, messages, assignments over the network allows students to learn through mutual feedback.

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Based on the above, it is possible to give descriptions and definitions of some terms that are repeatedly mentioned in the educational process.

The scientific novelty of the research is as follows

Teaching is a process armed with systematic knowledge and skills aimed at a specific goal. Education is the result of training, education and development of personality.

Distance education is a form of education based on information and telecommunication technologies, including part-time and full-time education, including the best traditional and innovative methods, teaching tools and forms.

Distance learning is an educational system based on new information technologies, telecommunication technologies and technical means. It is a system that requires the learner to work more independently, providing learning conditions and communication with the teacher based on certain standards and educational laws. In this case, the learning process does not depend on the time and place of the learner.

Distance education is an educational complex based on means of exchanging educational information at a distance, where the teacher provides educational services to all strata of the population and foreign students with the help of a special information environment. So, distance education is a process in the distance education complex. Distance education and distance education have their own characteristics, pedagogical system, necessity and purpose.

Distance education System

System of education organized on the basis of distance education conditions. Distance learning system, like all educational systems, has its structural purpose, content, methods, tools and organizational forms. Why is distance education necessary? - is a natural question. The following can be listed as an answer to this question:

- New opportunities in education (independence of education in time and place, etc.).
- Limitation of the number of students admitted to educational institutions.
- Increase in the number of people who want to study.
- Emergence and development of quality information technologies.
-Strengthening of international integration.

Pedagogical technologies - a set of teaching methods and techniques that provide the educational process of distance education based on the selected teaching concept.

Case-technology is such a method of organizing distance education, which is based on the use of a set of textual, audiovisual and multimedia (case) educational methodological materials in distance education.

TV-technology is a method of organizing distance education, which serves to convey educational and methodical information to students using television and is based on setting up external communication with one of the optional interactive methods.

• Possibility of remote training of voluntary users;
• Ability to learn at an individual pace;
• Free use of databases, library catalogs and other information resources for students;
• convenience in managing students' personal affairs;

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• Interactivity (possibility of rapid information exchange);

• Ability to test in direct access mode.

Another advantage of distance learning is that the student can study at his convenience and even without leaving work. It is because of these advantages that this method is widely used in the world today. Many large enterprises save millions of dollars a year by using this method to improve or change their professional skills. Another advantage of distance learning is that the student determines the duration of the study, that is, the student starts studying at the time of his/her choice, learns the materials under the supervision of the teacher. Mastering is determined by completing assignments and tests. The faster the student learns the given program, the faster he will finish his studies and get a certificate. If he cannot master the program, he will be given the opportunity to work independently and continue his studies. Mothers are the ones working in distance learning, and students are studying to acquire a specialty or improve their skills. This style is very convenient for people with disabilities. In distance education, even prisoners have the opportunity to study. Auditoriums and dormitories are not necessary for students for distance learning. In distance education, financial costs are mainly spent on the preparation of educational materials and special classrooms. The main part of these costs is spent at the stage of organizing this process. Then the financial costs will be reduced. Therefore, as the number of students increases, the cost of education also decreases.

In distance education, the main attention should be paid to the preparation of educational and methodological materials. Because the quality of educational materials is one of the main factors of the quality of distance education. The clearer and more detailed the educational material is, the more useful it is to the student. That is, the material must be methodologically thorough.

What is distance learning? Distance learning is studying online at your convenience. Structural features of distance education are: teacher, student, communication. Distance learning methodical materials are:

• Textbook

• Audio and video tutorials

• Online lessons (web page)

• Electronic libraries

• Tests

• Multimedia - electronic textbooks

How distance learning is done. Many universities and educational centers around the world have this method. You can find the right address on the Internet. You need to enter the address and fill out a special form to become a student of this course. Usually, first you can familiarize yourself with the description of the course and the study procedure. Then you need to fill in the lines of the form and enter your credit card number. The procedure for entering the course is different, depending on the specialization.

  The order of study is as follows: the teacher introduces the course and gives assignments. You will complete the tasks with the indicated resources and send them to the teacher. The teacher will check it and return the answer to you. Gives instructions when necessary.

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Course topics are studied in this order. Negotiation is mainly done by e-mail. The telephone network is also sometimes used. Printed study materials will be sent by mail. In the course of studying, the student uses textbooks, electronic libraries and textbooks, electronic forums, video conferences. In this case, studying is carried out individually, and the teacher teaches taking into account the abilities and characteristics of the student. This individuality arouses interest in the student and encourages him to be active in reading.

Pedagogical technologies of distance education are a set of teaching methods and techniques that provide the educational process of distance education based on the selected teaching concept.

Case-technology is based on the use of a set of textual, audiovisual and multimedia (case) educational methodological materials in distance education.

TV-technology serves to deliver educational and methodical information to students using a television tool and is based on installation with one of the optional interactive methods of external communication.

There are different models and forms in the educational system of distance learning, which are distinguished by the following conditions:

1) geographical conditions (region of the country, location away from the center, climate);

2) the general level of informatization and computerization of the country;

3) level of development of communication and means of transport;

4) level of use of information and communication technologies in the educational process;

5) traditions used in education;

6) supply of scientific-pedagogical personnel and scientific potential of the distance education system.

The following can be included in the main technologies of distance education:

Interactive technologies:

1. Internet distance education portal;

2. video and audio conferences;

3. e-mail education;

4. independent education through the Internet;

5. remote control systems;

6. online simulator and training programs;

7. test delivery systems.

Non-interactive technologies:

1. video, audio and printed materials;

2. television and radio shows;

3. programs located on disks.

Video and audio conferencing is a way of learning that connects two remote audiences in a telecommunication situation using the Internet and other telecommunication communication channels. Video and audio conferences require a large amount of special equipment, a high-speed communication channel, and the involvement of service professionals to organize training.

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Self-education through the Internet is a way to independently work on the large amount of information available on many sites on the Internet and to acquire new knowledge. E-mail is a method of communication between a student and a teacher through letters using educational and public Internet services. With its help, it is possible to send and receive various tests, tasks, questions and answers and instructions (in the form of text, graphics, multimedia, programs, etc.).

Information on confirmation and implementation of research results:

Remote control systems - 16 ways of learning with the help of special systems that create opportunities to control complex programs, systems and equipment in real conditions and work on them. The 13 main tasks of remote control systems can be to give the student only practical knowledge. Simulators, e-textbooks and training programs are a way to convey theoretical and practical knowledge to students offline through computer programs. Simulators and electronic textbooks are now widely used in the field of education. Testing systems are used to check and evaluate students' practical and theoretical knowledge with the help of special programs. Internet distance education portals are special Internet sites (online resources), whose main task is to organize the educational process, establish electronic online communication between students and teachers, teach teachers consists of hosting educational materials and providing students with the opportunity to work with this information and use other distance education services.

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