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EDUCATIONAL PEDAGOGY IN DISTANCE LEARNING ENVIRONMENTS

Botirova Dilafro'z Bozorovna

PhD in Psychological Sciences, Senior Lecturer of the Department of Pedagogy
and Psychology, Tashkent State University of Oriental Studies.

botirovadlafroz@gmail.com

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The introduction of modern information and communication technologies in the educational process has led to the creation of a new form of teaching –distance learning, in addition to traditional teaching methods.

In distance education, students and teachers are in constant communication with each other through spatial separation, specially created training courses, forms of control, electronic communication and other technologies of the internet. Distance learning based on the use of internet technology provides access to the global information education network, performs a number of important new functions with the principle of integration and interaction.

Distance learning provides an opportunity for all those who want to learn to continuously improve their skills. In the process of such teaching, the student learns independent teaching materials in an interactive mode, undergoes supervision, carries out control work under the direct guidance of the teacher and interacts with other “vertical learning group” students in the group. [1].

For obvious reasons, distance learning is a convenient form of education for those who do not have the opportunity to study in full-time departments of educational institutions, for example, do not require health, intend to change their profession or are older, intend to improve their skills. Distance learning uses a variety of information and communication technologies, meaning that each technology depends on the purpose and nature of the issue.



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For example, while traditional print-based teaching aids (textbooks, manuals) are based on introducing students to new material, interactive audio and video conferencing is designed to communicate over a period of time, sending and receiving emails directly, i.e. sending and receiving messages. While pre-taped video lectures allow students to listen and watch lectures, facsimile communication, rapid exchange of messages, assignments over the network, allows students to teach through feedback. [2]. Based on the above, we give a description and definitions of some of the terms that are currently being mentioned repeatedly in the educational process.

Distance teaching – a form of education based on information and telecommunication technologies, such as distance and full-time education, which includes the and where the learner is.

Distance education – an educational complex based on the means of exchanging educational information at a distance, using special information at a distance, using special information environment for the teacher, providing educational services to all segments of the population and foreign students. [3].

Distance learning system-a training system based on the conditions of distance learning. Like all education systems, the distance learning system has its own structural purpose, content, methods, tools and organizational forms. Why is distance learning necessary? It is natural to ask. The answer to this question is as follows:

- New opportunities for education (low cost of education, time and place, etc.).
- Limited number of students admitted to educational institutions.
- Increasing the number of people wishing to study.
- The emergence and development of quality information technology.
- Increased international integration.

The conditions and opportunities listed above indicate the need for distance learning. There are different models and forms of distance learning in the education system, which differ in the following conditions of application:

- geographical conditions (for example, the territory of the country, distance from the center, climate);
- The general level of informatization and computerization of the country;



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- level of development of communications and vehicles;
- The level of use of information and communication technologies in the educational process;
- traditions used in education;
- Availability and potential of scientific and pedagogical staff for distance learning, etc.

In general, the purpose of distance education is to: - Provide equal access to education for all regions of the country and all students abroad.

- Improving the quality of education through the use of scientific and educational potential of leading universities, academies, institutes, training centers, retraining institutions, training institutes and other educational institutions. [3].
- Provide opportunities for additional training in parallel with basic education and basic work activities.
- Satisfying the educational needs of students and expanding the learning environment.
- Creating opportunities for continuing education.
- Ensuring a new level of basic education while maintaining the quality of education. Summarizing the above, it can be said that the introduction of distance learning elements in educational institutions will bring all-round benefits.

The higher education system has all the conditions for the introduction of this complex. The application of information and communication technologies in the educational process (especially the distance learning process) takes two main forms. The first condition is that it is hardware, and the second condition is that it is provided with special software.

1. Equipment: computers, network devices, high-speed Internet networks, video conferencing equipment, etc.

2. Software: Includes a set of software designed for the industry, ranging from software that uses existing devices.



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In recent years, the Internet or Interanet, which has been used in the management of the education system in the West, has introduced the term e-learning under the term Elear (e-learning). [5].

Moodle is an acronym for Modular Object Oriented Dynamic Learning Environment. There are training modules available in the system: Forums, Materials, Messenger, Chat, Exercises, Group work, Student tracking and many more. Like other LMSs, it supports IMS, SCORM and other standards.

Analyzes show that the software package that has the most additional plug-ins and modules than other LMS systems is exactly the Moodle software package.

At present, the distance learning process in educational institutions of many countries of the world is organized using the Moodle software package. This free software package satisfies many requirements of users of e-learning systems with its functionality, simplicity of learning and ease of use.

Moodle provides a wide range of opportunities to fully support the distance learning process - it is worth noting that the control of learning materials in different ways, testing and mastering knowledge. Moodle has 15 types of interactive learning materials, and their number is growing. Using this feature of the system, the course creator creates an opportunity to present the taught subject to students (learners) in an interactive form.

In conclusion, we need to continue to develop and shape distance learning skills in the current education system. This process accelerates the exchange and development of modern information in the education system. Therefore, the improvement of theoretical, methodological and other aspects in this regard in accordance with the requirements of the time remains one of the urgent tasks of today.

The list of used literatures:

1. Атабаева, К. Р. Таълим тизимида масофавий ўқитишнинг афзалликлари
2. The pedagogy of the Massive Open Online Course: the UK view. Siân Bayne and Jen Ross, the University of Edinburgh. The Higher Education Academy, 2013.



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3. Evaluation of Evidence - Based Practices in Online Learning: A MetaAnalysis and Review of Online Learning Studies. U.S. Department of Education Office of Planning, Evaluation, and Policy Development Policy and Program Studies Service, 2010.

4. Bates, A.W. Distance education in a knowledge-based society / A.W. Bates // A keynote address in the ICDE Conference on The Metamorphosis of Distance Education in the Third Millennium — Toluca, Mexico. — 2007.

5. А.Т.Хроленко. Современные информационные технологии для гуманитария. М.2012г