# Distance Education System And Technical Equipment

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## ABSTRACT

This article discusses the benefits of introducing distance learning in educational institutions, the effective use of computer technology in the development of student-oriented development of creativity, creative abilities, the use of computer programs not only in the preparation of educational materials, but also in individual work with students, can also be used. The article includes the role of information technology in distance learning. For the quality application of distance learning, several guidelines are being developed.

## KEYWORDS

Distance learning, Internet, technology, computer, methods, programs, training.

## INTRODUCTION

It is expected that the quality of education will improve as a result of the enrichment of teaching methods in higher education with modern media. In this regard, the distance learning method is of particular importance, since it has a number of advantages both for

the teacher (teacher) and for the students. Technological methods such as the Internet, multimedia, the task of developing computer programs based on the necessary teaching materials, teaching aids for students. After all, distance learning in any field makes it possible to receive and generalize the methodological literature of world educational centers, up-to-date and relevant information.

Distance learning method differs from traditional forms of education. This allows students to study at a convenient time, place and environment. Curricula are developed based on individual and group requirements, regardless of the course. In the learning process, students can implement the mutual exchange of information through a centralized network of scientific information and data. It is expected that effective use of training sites, equipment and vehicles, collection and presentation of data in a single system, and reduction in the cost of retraining specialists will be achieved. The educational process uses the most modern information, telecommunication and various effective technologies.

## THE MAIN FINDINGS AND RESULTS

Distance learning creates a wide range of conditions for self-study, saving time and increasing the financial interest of both teachers and professionals, depending on the level of capabilities. There is no doubt that organizing the exchange of achievements in the field of education within the framework of the global education system will ensure the achievement of achievements in this area.

The distance learning method poses new and urgent challenges for professional teachers. This is due to the fact that teaching materials are constantly updated, teachers need to improve their skills with the help of creativity and innovation, as well as harmonize these indicators with the achievements of world

science. This teaching method allows students to work on themselves in accordance with the requirements of education, strive for more knowledge, independently work with a computer and creatively use their knowledge, and the knowledge gained can be verified and supplemented with special educational publications.

Due to the widespread introduction of information technologies, distance learning can be introduced to solve a number of social problems. The need of the republic for qualified specialists will be satisfied by creating conditions to meet the needs of citizens in the field of education. It is also possible to increase the social and professional activity of citizens. It serves to enrich the worldview of people engaged in private entrepreneurship by enhancing their activity in public life. This sets the task of implementing priority plans, such as strengthening the country's economic potential by scientific achievements accumulated in the higher education system, specialists and their participation. The distance learning method crosses the borders of our republic, communicates with the Commonwealth of Independent States and major educational centers around the world, and serves to create new modern integrated educational opportunities.

Distance learning has been developed for geographically diverse educational settings. However, the development of modern information and telecommunication technologies has opened the way for the implementation of the educational process at a great distance. As a result, distance learning has quickly become another impetus for the adoption of new teaching methods in higher and secondary vocational schools. An analysis of the International Council for Distance Learning shows that today more than 10 million students worldwide study in this way. New training centers are being set up in the United States to teach this method, and they have the

advantage of training and retraining national personnel in line with modern requirements.

Distance learning has the following advantages:

1. Creative learning environment. Based on the many methods available, the teacher teaches the students and the students read only the given material. Based on the proposed distance learning, students themselves will be able to search for the information they need in a computer database and use their experience to communicate well with others and encourage learning in the workplace.
2. Availability of independent education. Distance learning includes elementary, intermediate, tertiary and advanced training. Inspectors with different backgrounds can work based on their individual class schedule and interact with students at their level.
3. Big changes in the workplace. Distance learning education creates a supportive environment for millions of people, especially young people, who study without being separated from work. Training based on this method plays an important role in the training of personnel.
4. New and effective means of teaching and learning. Statistics show that distance learning is as productive as distance learning. In addition, distance learning goes beyond the limits set by the university. The advantage of students learning on this basis is to provide them with the best, quality materials and teachers. Based on the teaching and management methodology, the teacher (educator) should be free from the learning environment in the classroom.

Information technology of the basics of distance learning.

Information technology is the process of using a set of data collection techniques and data communication tools to promote new information about the state of an object, process, or event. Information technology is a tool in the organization of educational products and services.

An educational product is a set of data expressed for use in an educational process.

Modern information technology is information technology using personal computers and telecommunications.

Informing the public is a socio-economic, scientific and technical process of meeting public organizations using information resources in accordance with the requirements of the state and authorities, local governments and local governments, fulfilling the optimal conditions to meet the needs of citizens for information and exercise their rights.

Informatization of the educational process is an important part of informing society.

The informatization of education is involved in changes associated with the following amenities and benefits:

- Ensuring access to information and knowledge about each member of society;
- In the development of intellectual and creative human comfort;
- The rapid change in the professional development of services in the life of each member of society due to his activities;
- Distance learning in the organization of additional (advanced) education and ensuring its effectiveness;
- The use of various information technologies for the creation and organization of educational products and services;
- Maximum use of ICT services for grouping, sorting, calculating, aggregating data;

- Effective use of information management technologies to meet the information needs of distance learning participants;
- In the process of exchanging information about ICT tools with participants in distance learning;
- When introducing expert information technology systems that provide users with a wide range of opportunities to obtain knowledge products accumulated by specialists in the field of distance learning, and so on.

One of the main solutions to such organizational and methodological issues is the introduction of new educational technologies, as well as the fact that distance learning should take its place in the system of continuous education of the republic, in particular, in the field of higher education. There is a great deal of experience in the use of distance learning in the world.

In particular, the use of various ICT options by experienced teachers and specialists to help a person, in different ways, control the learning of students, assess their level of knowledge and skills, increases the quality of learning and the productivity of students.

For the quality application of distance learning, the following guidelines are being developed:

Centralization of the learner. The application of knowledge and experience of domestic and foreign scientists and specialists, the use of modern teaching aids will be taken into account. At the same time, various educational resources are used to provide students with information, which in turn creates great opportunities for students and their teachers, using the knowledge of experts from all over the world, information from electronic libraries.

Growing demand for teachers. The standardization of the educational process imposes on teachers (educators) the obligation to improve the level of knowledge. These methods help to improve their performance and knowledge level.

Ensuring a free and standardized educational process, the possibility of constant monitoring, proper control and management of educational processes, checking the level of knowledge of teachers and students by the Ministry of Higher and Secondary Special Education and educational institutions (monitoring the activities of students and teachers, Teacher performance, including student certification) should also be installed in distance learning. Similar measures are being taken to improve the efficiency of teacher retraining and professional development systems.

Flexibility of the type of training. The flexibility of this form of education is characterized by the ability to practice at a convenient time, in a convenient place and at a fast pace, the use of various forms of student learning, their use of modeling and visual aids on the spot, the effective use of visual, practical and other methods of conveying information.

The role of the teacher and his pedagogical potential. The use in various forms of teachers of an individual approach to the student-student and the availability of conditions for a comprehensive study of the level of knowledge and readiness of each student.

Development of knowledge and research motives and incentives of the student.

It helps to overcome psychological barriers associated with a feeling of insecurity in the teacher and student interaction, expands the student's intellectual and scientific potential, as well as conditions for self-education and self-improvement. It also ensures the harmonization of the mental and physical labor of students.

Economy. This system ensures that learning delays are minimized. The use of classrooms reduces travel and labor costs for teachers from their primary workplace that qualified teachers (educators) can offer. They can transfer their knowledge in the form of distance learning. Regardless of health, social and material security, a wide range of educational opportunities will be created and social equity will be achieved.

## CONCLUSION

Formation of a competitive environment within the training. Distance learning technologies are integrated with the general flow and methods of informing the public, ensuring the integration of technical means of distance learning with information systems and systems for automating the educational process in higher education based on modern information technologies.

The disadvantage of using the distance learning method is the limited communication and psychological unity between teacher and student.

In general, the distance learning system provides students with information about the secular changes taking place in the education system, the ways of using technical means, its advantages and disadvantages.

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