SPECIFIC PECULIARITIES OF THE USE OF ICT IN EDUCATION PROCESS

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Аннотация. Мазкур мақолада таълим жараёнида ахборот-коммуникация технологияларидан фойдаланишнинг ўқув жараёнини ташкил этиш ва таълим сифати даражасини оширишга таъсири ҳамда таълим тизимида масофавий ўқитишнинг афзалликлари кенг ёритилган.

Аннотация. В данной статье рассмотрены влияние использования информационных и коммуникационных технологий на организацию образовательного процесса и повышение качества образования, а также преимущества дистанционного обучения в системе образования.

Abstract. This article analyses about the impact of the use of information and communication technologies in the organization of the educational process and improving the quality of education, as well as the advantages of distance learning in the education system.

Калит сўзлар: ўқув жараёни, таълим соҳаси, коммуникация технологиялари, миллий тармоқ, интернет технологиялари

Key words: educational process, education sphere, communication technologies, national net, internet technologies

Introduction: In "The National Program of Personnel Training" [1. 97p] of the

Republic of Uzbekistan, one of the main documents on reforming the education system of the country, emphasizes the need to organize the educational process on the basis of information and communication technologies (ICT), Internet and computer networks.

In the education system of our country, these tasks are being implemented in a timely and effective manner. In order to achieve this goal, integrated and consistent, coordinated measures are being implemented step by step. In particular, in order to introduce wide-format communication networks and Internet technologies in the educational process, the task is to create a national network "Electronic Education" and connect all universities, and then academic lyceums and professional colleges to a single computer information network. At present, these measures are being implemented successfully in a comprehensive manner. For more successful implementation of these tasks, it is necessary to develop and introduce new innovative measures and proposals that can have a positive effect in this area. One such measure is the modern ICT-based distance learning (DL), a learning process that is widely used effectively in the education system of developed countries to train quality personnels.[4. 85p]

It is advisable to place all the necessary elements on the MOODLE platform, in particular, lectures, video lessons, tests, assignments, chat, forums, surveys, glossaries, feedback and webinars. It is also a series of online webinars for students with professors and teachers from leading local and foreign higher education institutions, uniting strong professionals and young people, through which every citizen who wants to study can stand in any part of the country and learn from strong professionals. [5. 58p].

The experience of the education system shows that the opportunities to radically improve the quality of personnel through the transformation of the Internet and ICT in the learning process as a means of acquiring, storing, transmitting new knowledge and practical decision-making are expanding. The use of the Internet and ICT in DL ensures, first of all, the quality, sociality, popularity and economic affordability of education. In addition, DL has a number of advantages and positive

aspects compared to the traditional form of teaching. It should be noted that, there are sufficient opportunities for the effective introduction of modern DL forms of education in the higher education system of the country. Information and communication technology (ICT) is a broad concept that includes systems, processes and individuals involved in communication through technological means.[2. 63p]

Distance Learning is a pedagogical system of education, which confirms the level of education (educational censorship), using the process of distance learning using modern ICT. Distance learning is the process of acquiring knowledge and skills through the use of information technology, which provides the exchange of educational information at a distance, the implementation and management of the educational process.

Distance education is a form of education based on the complex distance learning of all subjects in the system of training specialists in a particular field, but not a conditionally established place and time criteria for the learning process within the complex. In order to fully and correctly understand the essence of this definition, it is necessary to bring it together with the definition of distance learning mentioned above. Distance learning is the most important and increasingly popular form of modern education. The rapid development of information and communication technologies in modern conditions has created favorable conditions for the use of their potential in the educational process. [6. 5p]

Literature Review.: At present, leading foreign countries have accumulated rich experience in distance learning. Distance learning technology is believed to have been formed in 1969 year by the initiative of the British Prime Minister G. Wilson. But distance learning occurred much earlier, that is, during the formation of the first stable, regular postal service. Since 1858, at the University of London, all aspirants have been allowed to study independently, taking examinations for academic degrees in all specialties and in all fields. Since 1938, Part Time of the International Council has been operating as an international educational organization known as the International Council for Distance Education since 1982. The cost of studying at Open universities is 8-10 times cheaper than teaching at traditional institutes.[7.

N613] In the UK, for example, it costs £ 3,000 for full-time study and £ 300 for distance learning. Expenses for building maintenance, equipment and laboratory, staffing of teachers, administrations and service personnel will be reduced. Students will be counseled through a network of branches, a television studio and a computer network. In the UK, the student preparation program includes 130 courses, many of which are interdisciplinary. Distance education began to develop rapidly in the United States in the mid-1960s and in Europe in the early 1970s. This form of teaching is a goal-oriented interactive process of interaction between learners and teachers with each other and with teaching aids, the learning process does not depend on their geographical and spatial location. The educational process consists of subsystems, ie a specific pedagogical system, which includes elements such as the purpose, content, methods, tools, organizational forms, control, educational material, financial and economic, normative-legal and marketing.[3. 147p]

Research Methodology:.Distance learning is a unique, improved form of independent learning, which combines elements based on new information technologies and multimedia systems. Modern telecommunications and electronic publications allow to overcome the shortcomings of traditional forms of education and at the same time retain all their advantages. Textbooks and manuals based on information technology and multimedia systems in teaching students to think independently should focus on the advanced ideas, scientific conclusions, practical facts, events and reactions of students to the topic. The scientific and vital truths previously known to the scholars, the author of the textbook, and the educator, which are included in textbooks to teach the learner to think independently in certain disciplines, are explained to each learner in his or her own way. [8.439p]

Thus, the purpose of teaching independent learning through distance or local area networks and software tools of teaching should not only be to provide the student with certain knowledge, but also to acquire in them the peaks of independent knowledge and skills.

Distance Learning can be characterized by the following five main conditions in education:

- the presence of a teacher and a student;

- implementation of the educational process at a certain distance;

- Two-way communication between teacher and student;

- Availability of special materials for distance learning;

- both parties are provided with computers and other equipment and means of communication. [9. 11p]

In our opinion, the following are important in the formation and development of ICT in higher education, including DL: retraining of highly qualified personnel to achieve their goals;

- training of specialists based on new needs, also market formation;

- Proper consideration of quality requirements in the training of new staff; cooperation with entities on the basis of integration;

- mechanisms necessary or involved in the activity;

- networking and working with them;

- creation, change and improvement of market elements;

Analyses and results: As a result of the popularization of this process, universities play an important role in the formation of relations with production and the market. Also, the use of ICT in the educational process allows:

- development of intellectual and creative abilities of the person;

- each member of the society can improve their skills and change their field of activity;

- create conditions for comfortable education and increase efficiency;

- reduce costs per student based on the effective use of educational resources; - Proper consideration of quality requirements in the training of new staff; cooperation with entities on the basis of integration;

- mechanisms necessary or involved in the activity;

- networking and working with them;

- creation, change and improvement of market elements; [10. 662p]

Conclusion:.In short, the effective use of ICT in the education system provides both economic and social benefits, as well as the use of information and

communication technologies in all areas of education, based on the competitiveness of personnel in a market economy, the organization of the educational process in universities and improving the quality of education. Therefore, the improvement of theoretical, methodological and other aspects in this regard in accordance with the requirements of the time is one of the urgent tasks of today.

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