



PRACTICAL IMPORTANCE OF THE EFFECTIVE USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN THE EDUCATIONAL SYSTEM

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ABSTRACT

This article describes the use of information and communication technologies to improve the quality of education, measures taken in our country to develop information technologies, and reforms in the field of education.

Also, considerations and recommendations are given on the management and monitoring of the pedagogical system, the possibilities of using information technologies in the pedagogical process for students and teachers.

Keywords: pedagogical system, quality of education, information and communication technologies, technical means, Internet, educational portal, pedagogical process, innovation, distance learning, teaching, monitoring.

АННОТАЦИЯ

В данной статье описывается использование информационно-коммуникационных технологий для повышения качества образования, меры, принимаемые в нашей стране для развития информационных технологий, и реформы в сфере образования.

Также приводятся комментарии и рекомендации по управлению и мониторингу педагогической системы, возможностям использования информационных технологий в педагогическом процессе, деятельности учащихся и преподавателей.

Ключевые слова: педагогическая система, качество образования, информационно-коммуникационные технологии, технические средства, интернет, образовательный портал, педагогический процесс, инновации, дистанционное обучение, преподавание, мониторинг.

If we look at the history of the developed countries of the world, the main factor in their rise to this level of development has been their special attention to the issue of education. Including Uzbekistan, having deeply understood this, the issue of training educated people is recognized as a priority area at the heart of each reform carried out in the state. The process of informatization for the education system is to prepare mature, well-rounded individuals for the conditions of a rapidly developing, information society and future life, to change the content of education, teaching methods and forms of education, to form the skills and qualifications of the coming generation to successfully and independently build their own lives.

Providing modern knowledge and education to the younger generation, training highly qualified specialists are important areas of our state policy. Consistent reforms carried out in the field of education in our country allow strengthening the material and technical base of all educational institutions, raising education to a new, higher level in terms of quality and content. Ensuring human rights and interests, creating decent living conditions for our people, and educating a knowledgeable young generation are the main goals of the large-scale reforms implemented in Uzbekistan during the years of independence. In the process of these reforms, one of the main priorities of our country is to introduce advanced pedagogical experiences into

education, to form a solid material and technical base necessary for the effective functioning of the pedagogical system. As one of the main priorities of education in our country, great attention is paid to the quality of training qualified pedagogical personnel, and new state educational standards and educational and methodological literature are being created.

Informatization of the educational system is the use of computer equipment and information technologies in the teaching process, achieving new qualitative and quantitative indicators in education. Informatization of the educational system requires the teacher to conduct lessons based on new innovative and pedagogical technologies. The basis of pedagogical technology is information technology, since the basis of the technology of the educational process is the acquisition and processing of information [1]. In this regard, today the main requirement for the educational process in each link of the educational system is aimed at ensuring the quality and effectiveness of education, and in this process, the development of students' learning activities is achieved through the use of effective methods of pedagogical technology to increase the interest of students in the theoretical and practical parts of the lessons. The effective use of information and communication technologies by the teacher during classes, not limited only to technical capabilities, but also focused on pedagogical goals, gives high results in making the lesson more interesting and meaningful. Therefore, the issue of integrating information and communication technologies into the educational process requires a comprehensive approach in methodological, psychological and didactic terms.

In recent years, our country's educational institutions have created ample opportunities for the development of new forms and methods of teaching based on modern information and communication technologies. At the same time, in-depth training in information and communication technologies is also showing its positive results in the process of receiving, processing and independent work of students in large volumes of information. The main advantage of information and communication technologies in the educational process is that they activate the process of acquiring knowledge of students and allow them to take into account individual educational needs. Through multimedia presentations, electronic textbooks, online platforms and virtual laboratories, the content of the lesson is presented in a more understandable and interesting form.

To date, one of the important aspects of using advanced pedagogical experiences, educational technologies, interactive methods and modern information technologies in all classes in Uzbekistan, which increase learning and creative activity, and also contribute to the educational process, is to ensure the high-quality organization and effectiveness of education. From this perspective, it is no exaggeration to say that the wider application of information technologies in the process of theoretical and practical training in the system of training qualified specialists in educational institutions has become a serious necessity.

In order to further improve the fundamental changes being implemented in the education system based on modern educational requirements, it is necessary to study the place of computer technologies in the educational process, its pedagogical and psychological characteristics, and to reconsider the level of attention and need for the use of computer tools [2].

To do this:

- determine the place of computer technologies in the educational system;
- determine the role of the computer in the formation of memory and the transformation of the student's thinking and worldview with the help of a computer;
- determine the methods of developing students' creative activities in the educational process.

The following tasks are identified in the computerization of education in the pedagogical process:

- exclude the use of computers in the preparation of curricula, summaries and small didactic materials;
- exclude the use of existing electronic textbooks and educational programs in order to increase the quality of the visual presentation of subjects, illustrative and animation capabilities of the organized object;
- effective use of new computer technology programs and software resources in creating presentation tools;
- effective use of the Internet system in the exchange of information and data.

In today's globalization process, in the competitive environment of the education system, electronic textbooks and multimedia tools have been created for many subjects, and now the emphasis on organizing the educational process in a computerized environment has been greatly increased. Multimedia tools are distinguished by the fact that they not only help to quickly and easily master the topics organized using a computer, but also create many opportunities for the teacher [3]. The creation of electronic educational tools in educational subjects further expands the possibilities of using modern information and communication technologies in teaching these subjects. This, in turn, is a key factor in students' deep mastery of knowledge in these subjects, increasing the quality and efficiency of education. In addition, information and communication technologies play an important role in educational management. These technologies help to innovatively transform the educational process, expand opportunities for students and teachers, and strengthen educational systems. First of all, information and communication technologies, such as the Internet, computers, programming products, mobile devices, etc., make it easier for teachers to prepare educational materials and present them to students. Secondly, it facilitates monitoring in the formation and management of education. Applications, practical exercises and tests can be carried out through online platforms. This creates an opportunity for teachers to monitor and evaluate the progress of students and allows them to collect data for successful management of the educational process. Information and communication technologies also provide the necessary tools to ensure that students learn independently [4]. In every sector of society, they have great potential to take the education system to a new level. However, these technologies should be further improved in terms of computer literacy and skills of teachers in order to coordinate the learning process, set the direction and strengthen the quality of education at a high level.

In conclusion, it should be said that the widespread introduction of information technologies in the education system is an important factor in the effective management of modern education systems, optimization of educational processes and improvement of the quality of education. It is of great practical importance in the rapid exchange of information between students, teachers and education managers, monitoring and control of the educational process.

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