

USE OF MODERN DIGITAL TECHNOLOGIES IN EDUCATION

ИСПОЛЬЗОВАНИЕ СОВРЕМЕННЫХ ЦИФРОВЫХ ТЕХНОЛОГИЙ В ОБРАЗОВАНИИ

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Аннотация: В статье определены приоритеты развития образовательного процесса на основе использования цифровых технологий в системе народного образования республики, проведен анализ их возможностей. Также предлагает предложения о том, как не только играть важную роль в образовании, но и как реализовать ее через изучение, систематизацию и обобщение существующих практик для получения научно обоснованных выводов о внедрении цифровых технологий.

Abstract: The article defines the priorities for the development of the educational process based on the use of digital technologies in the public education system of the republic, and analyzes their capabilities. It also offers suggestions on how not only to play an important role in education, but also how to implement it through the study, systematization and generalization of existing practices to obtain scientifically based conclusions about the implementation of digital technologies.

Ключевые слова: цифровые технологии, информационные и коммуникационные технологии, система народного образования, современное образование, цифровые знания, Интернет-система, дистанционное обучение.

Key words: digital technologies, information and communication technologies, public education system, modern education, digital knowledge, Internet system, distance learning.

Today, digital technologies are actively used in all spheres of life, including education and upbringing. Digital technologies have entered the lives of all citizens living in the country, including young kindergarteners and pensioners. Nowadays, these digital technologies are becoming the most convenient way to share information, get the latest news and all the work done in the society. In addition,

the issue of robotization of production and management processes arises, for example, in the banking sector, and the problem of competition between robots and workers. In the field of education, opening schools equipped with new modern digital technologies, providing existing schools with digital technologies are certainly necessary information and communication technologies to enter the period of development in the field of education.

With the use of digital technologies in education and the undoubted advantages of the technologies being introduced, issues related to the protection of ethical and personal data, and the legal aspects of competition between robots and employees of organizations are attracting more and more attention. During the research process, an objective method of scientific knowledge was used. The prospects for using modern digital technologies in education are objectively revealed. The period of formation of digital technologies is analyzed from a historical point of view. Sh.M. Mirziyoyev's appeal to the Oliy Majlis was reviewed for logical consistency.

As the President of our country Shavkat Mirziyoyev said: "For development, it is necessary and important to acquire digital knowledge and modern information technologies. This allows us to choose the shortest route to the ascent. Indeed, today in the world information technologies penetrate deeply into all areas. Of course, we know very well that the formation of a digital economy requires the necessary infrastructure, a lot of money and labor. But no matter how hard it will be, if we don't start this work today, when will we start?! Tomorrow will be late" Public and social management, including the widespread introduction of digital technologies into education, can dramatically improve the efficiency of education and learning. At the same time, the developing economy of our country, that is, the digital economy, is not only a type of activity, but also business, production facilities, quality education and services.

The term "digital" means the active use of information technology in all areas. If in a simple economy the main resource is material goods, then in a digital economy it will be information that can be processed and transmitted.

The purpose of using digital technologies in the education system of the republic is to identify priorities for the development of the educational process based on an analysis of their capabilities, based on an analysis of how digital technologies play an important role in education and how to implement them, enriched with audio and video materials, to show that they reach faster to the minds of students, and are also better retained in memory. When making a conclusion about the formation of a scientifically based approach to the introduction of digital technologies in education, it is advisable to use regulatory

documents, study, systematization and generalization of existing practice. In our country, the pandemic has affected the education system, as well as all areas, including the massive transfer of kindergartens, schools and universities to online education. Because in any case, teaching and learning should not stop.

As our scholars say, if you want to invade a country, the first thing you need to do is destroy its education system. In the era of the pandemic, the same digital technologies in online education have come a long way in organizing the educational process. According to UNESCO, 1.7 billion students worldwide have lost their traditional reading skills due to the suspension of classes. According to data, today only 60 percent of countries that closed educational institutions due to the pandemic have switched to fully digital education. While some international experts argue that the transition to online education is not complete, this process should be seen as a way out of a problematic situation, otherwise the quality of education will decline, while others recognize that a new era for modern education has begun. Intellectuals in some countries are pushing for the use of digital technology in embracing distance learning.

We also have a low level of digital technology and Internet traffic. This is due to the fact that the Internet infrastructure in remote areas is not sufficiently developed. This could lead to a decrease in the quality of education, as some experts predict. It is not surprising that the education system today is immersed in digital technologies, since this serves as the basis for serious analysis and pedagogical justification of everything that is offered today in the information space. The importance of the influence of the Internet environment on the consciousness of young people can be judged from government reports, modern media, pedagogical public discussions, as well as research by deputies. It should be noted that previously we were limited to the introduction of digital technologies in all areas: industry, economics, banking and others.

And today we can say that the introduction of digital technologies in the field of education only serves to increase the effectiveness of education. How this will help increase the activity of digital technologies in learning for teachers and students. **To teachers:**

- effective use of e-books;
- sudden reduction in paperwork;
- speed of information exchange between teachers and students;
- creation of electronic versions of educational materials not only on paper, but also for further use.

For students:

-extended exchange of information with peers and constant awareness of homework;

- be able to rethink lessons that increase efficiency using digital technologies;

What needs to be done to effectively use digital technologies in education while maintaining the quality of learning?

First of all, of course, we need to improve the Internet infrastructure in our country, improve the quality of services provided by mobile operators, and, most importantly, create conditions and benefits for the population, especially students, to master the latest achievements of modern information and communication technologies.

Secondly, to make proposals to the competent authorities to expand the use of digital technologies in organizing the educational process and developing information resources, teaching aids and distance learning technologies, attracting creative students to university digitization projects; Creation of centers, including structures, classrooms, laboratories, media studios, etc., equipped with effective digital devices, and application of the experience accumulated therein in all educational institutions of Uzbekistan.

Thirdly, ensure strong integration of modern information and communication technologies and educational technologies, create additional conditions for the continuous development of professional skills of teachers in this area.

Fourth, organize and conduct training courses for teachers on topics such as the use of interactive presentation systems, development of interactive and multimedia presentations in connection with the Internet for lectures and seminars.

Fifthly, the implementation of distance learning at any time using interactive presentation systems in real time, video conferencing systems, virtual rooms, and electronic resources.

Sixth, the use of cloud technologies, virtual reality, augmented reality and the use of 3D printers in the development of didactic materials and experimental projects, the use of digital didactics and digital educational models, the scientific Internet to discuss projects for teachers and students, dissertations, it is necessary to develop research and other sites.

Only then will we be able to use digital technologies to ensure students receive the education they need today, without compromising the quality of education.

It is important to note that our life today is all about technology, from the morning call to the end of the day with planning and reading. We wanted to create

opportunities for the beneficial use of technology to improve and improve the quality of education. When a tablet becomes an element of learning, children enter the learning process with great interest. This is tantamount to combining classical education with play. As a result, the learning process will improve, skill, level of education and learning efficiency will increase. Educated generation and professional personnel are the key to the broad development of society.

CONCLUSIONS AND OFFERS

In conclusion, today's learning processes are very different from those of a decade ago, and classrooms are equipped with computers, iPads, tablets, smart boards and other learning technologies. As in other parts of the world, in our country there are seven generations of digital screens - TVs, computers, tablets, phablets, smartphones and smart watches. As a result of such a dense digital environment and constant interaction with it, today's students' thinking and information processing processes are radically different from their previous thinking and information processes.

The digital generation, which is our future, cannot and should not be raised in the style that our parents learned. Along with the use of blackboards and white chalk in teaching this generation, replacing the blackboard with a white board and the chalk with a marker will not change anything, that is, it will not be a way to encourage modern students to learn. It is necessary to adapt the education system to the digital generation through the massive and effective use of innovative educational technologies and didactic models based on modern information and communication technologies.

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