

## **THE IMPORTANCE OF USING DIGITAL TECHNOLOGIES IN THE EDUCATIONAL PROCESS**

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### **ABSTRACT**

*This article describes the stages of development of digital technologies, effective methods of using digital technologies in the educational process, ideas about the importance of using digital educational resources.*

**Keywords:** *digital technologies, digital education, educational process, modern information technologies, educational resources, cloud technologies.*

### **АННОТАЦИЯ**

*В данной статье описаны этапы развития цифровых технологий, эффективные методы использования цифровых технологий в образовательном процессе, представления о важности использования цифровых образовательных ресурсов.*

**Ключевые слова:** *цифровые технологии, цифровое образование, образовательный процесс, современные информационные технологии, образовательные ресурсы, облачные технологии.*

### **INTRODUCTION**

Today, digital technologies are rapidly developing and in all areas require keeping up with the times. Currently, training and education have become one of the most pressing problems in the world. Because it is no longer a secret to anyone that it is quality education that plays an important role in saving the world in which we live from various problems. Thanks to this, our state allocates significant funds for education. Significant work is also being carried out in this direction in our country.

Digital technologies are developing at a tremendous speed. Many areas of activity are switching to digital systems: hospitals, catering establishments, educational institutions. In the modern era, when the speed of obtaining and using information has greatly increased, in our opinion, it is impossible to improve the quality of education and educate socially active youth without introducing digital technologies into the education system. Previously, we conducted educational programs in the traditional way in the form of lectures. This was also done with the

help of voluminous books and manuals. This, in turn, did not provide such a high quality of education. Students were forced to carry large bags of literature and large bags with a hood to master various additional materials. Now the process of digitization of education has begun.

## **DISCUSSION AND RESULTS**

Online lessons conducted on television can be considered as part of the transition to digital education. This process proved that a student can get an education without leaving home.

Reflecting on the other benefits of the transition to digital education, it is appropriate to include the following:

- Students will have the opportunity to study anywhere and anytime;
- students will be able to choose subjects and receive education at home even in remote villages where there are not enough specialists;
- a culture of receiving and using information on the Internet is being formed;
- brings the education system to a new level;
- dramatically reduces the cost of time and money;
- it will have the advantage of not getting lost in the "digital world" and getting a good job.

The introduction of digital education allows teachers to develop skills in working with digital technologies and organize various open courses via the Internet. Effective methods of digital technologies should be used in education while maintaining the quality of education:

- Submit proposals to the authorized bodies to expand the scope of the use of digital technologies in the organization of the educational process and the development of information resources, learning tools and distance learning technologies, to amend regulatory legal acts regulating the activities of higher educational institutions, involving creative students in university digitalization projects, the creation and development of structures equipped with high-performance digital devices, classrooms, laboratories; creation of centers, including media studios, etc., and application of the accumulated experience in all higher educational institutions of Uzbekistan.

- Ensuring reliable integration of modern information and communication technologies and educational technologies, creating additional conditions for the continuous development of professional skills of teaching staff.

- Organizing and conducting advanced training courses for teachers on topics such as the use of interactive presentation systems, the development of interactive and multimedia presentations related to the Internet for lectures and seminars.

- Implementation of the distance learning process at any time using interactive presentation systems, video conferencing, virtual halls, electronic resources in real time.

- It is necessary to use cloud technologies, virtual reality, augmented reality, as well as use a 3D printer to develop didactic materials and experimental design, apply digital didactic and digital learning models, develop scientific websites for teachers and students to discuss projects, theses, research, etc. Only then will we be able to access knowledge through digital educational resources without reducing the quality of education using digital technologies.

Digital educational resources are a collection of photographs, videos, models, role-playing games, cartographic materials necessary for the organization of the educational process and presented in digital form, selected in accordance with the content of a particular textbook, "tied" to lesson planning and provided with the necessary methodological recommendations. The introduction of new information technologies into the educational process makes it possible to activate the educational process, increase the pace of the lesson, increase the volume of independent and individual work of students. Today, in order for the learning process to be complete, each teacher needs to prepare and conduct a lesson using various electronic educational resources, since their use can make the lesson more lively, interesting, rich and effective.

Digital learning is an educational practice that helps the educational process and gives tangible results. It serves not only to continue the educational process with the help of digital educational tools, but also to further improve the quality and effectiveness of training. The introduction of digital education into the educational process is carried out on the basis of the use of information technologies. Information and communication technologies are one of the types of innovative activity of subject teachers.

Digital educational resources (electronic textbooks, tutors, simulators, interactive kits, dictionaries, reference books) help the teacher to conduct an exciting lesson, successfully assimilate the necessary material to students. Digital technologies can be used at all stages of education:

- when explaining new material;
- when pinning the theme;

- when repeating the passed;
- in the control of knowledge, skills and abilities.

The use of digital technologies in the classroom is necessary, and they:

- allows you to effectively organize group and independent work in the classroom;
- allow individualization of the educational process;
- increasing interest in classes;
- activation of cognitive activity of students;
- development of students' creative potential;
- used when upgrading a lesson.

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## **CONCLUSION**

In conclusion, it can be said that the introduction of digital technologies into the education system plays an important role in the modernization of the country's education system. It serves to increase the efficiency of the organization and education of modern education.

It also ensures that we occupy an important place in the global community. Today's classrooms are very different from decades ago, and classrooms are equipped with computers, iPads, tablets, smart boards and other types of educational technologies. As elsewhere in the world, seven digital generation screens have appeared in Uzbekistan and are being used to improve image quality - a TV, a computer, a tablet, a phablet, a smartphone and a smart watch.

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