

IN THE FIELD OF EDUCATION OF DIGITAL TECHNOLOGIES IMPORTANCE

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Abstract

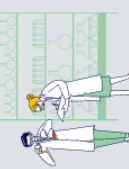
Digital technology, cloud technologies, use of digital technology in education, digital technology education system tools, advantages of digital technology, Internet of Things (IoT), augmented reality (AR), virtual reality (Virtual reality, VR).

Keywords: digital technology, digital technology in education, cloud technology, Internet of Things (IoT); augmented reality (AR); virtual reality (Virtual reality, VR).

Introduction

Today, digital technology is developing rapidly and dictates to keep up with the times in every industry. The use of digital technologies in the educational system in the current period, when the speed of obtaining and using information is very large, has a great influence on the quality of education and the upbringing of socially active youth. We have previously conducted educational programs in the form of a traditional method, namely, the lecture, which was carried out through large-scale books and manuals. This in turn did not ensure that the quality of education was so high. Now the process of digitization of Education has begun in raising the quality of Education. The current state of the educational system is characterized by the increasing role of non-traditional educational technologies. The acquisition of knowledge by the educator with their help is much faster than traditional technologies. These technologies change the nature of the development, acquisition and dissemination of knowledge, make it possible to deepen and expand the content of the studied subjects, quickly update it, apply more effective teaching methods, and also significantly expand the possibility of education for everyone. We answer the question of what digital technology itself is as follows: this is one modern form of business. it is served by a large set of data in digital form and the process of their processing as the main factor of production and management. The use of the results obtained in practice, on the other hand, allows you to achieve much greater efficiency compared to traditional forms of enema. As an example, automatic production processes of various types, 3D-technology, cloud technologies. It is possible to cite the provision of remote medical services, the cultivation and delivery of products using smart technologies, the storage of goods of various types and the processes of their sale. We will dwell on this article instead of digitization in the educational system.

The methods of education are becoming easier for learners if they are educated through digital technology. In this case, the role of educational system Vosti is performed by multimedias, codescopes, computers, laptops, internet-connected TVs, telephone lines, smart boards,



projectors. Tutoring educators with such tools provides an improvement in the quality of Education. It is known to us that the use of digital technologies in online classes will work well. For example, we can assume that online lessons given through television are a form of digital education. Hence, in digital education:

- has the opportunity to receive education wherever and whenever you want;
- a culture of obtaining and using information from the internet is formed;
- raises the education system to a new level;
- dramatically reduces time and spending;
- those like not getting lost in the "digital world" and having advantages in finding a good job.

The rise of the digital education system is greatly served by the opening of Wi-Fi zones IT parks. The opportunity arises for educators to grow their ability to work with digital technologies and to organize various open courses through the internet. This in turn makes educators work more on themselves and further increase the quality of education due to competition. In addition to digital technologies, the introduction of artificial intelligence technology again provides an opportunity to detect tax evasion cases, prevent fraud, analyze data and automate repetitive processes and increase transparency, while large - scale data-Big data-provides an opportunity to store large amounts of data coming to tax authorities, process, better predict receipts and improve document exchange between payers and tax authorities. Mastering digital technologies is happening faster than other innovations in the history of mankind: in just twenty years, digital technologies have managed to cover almost 50% of the population of developing countries and, with their help, transform societies.

For example, advanced technologies based on the use of artificial intelligence in healthcare serve to save lives, identify diseases, and increase life expectancy. In education, the virtual learning environment and the provision of Distance Education allowed students to participate in programs that had no other opportunity. In addition, through the use of blockchain-based systems, it will be convenient to use public services, increase the responsibility of the institutions that provide them, and as a result of the use of artificial intelligence, the processes will be less bureaucratic. Big data can also lead to more flexible and accurate policies and programs. Let's dwell on some of the digital technologically below: Cloud technologies are data processing technologies that provide computer resources as an on-line service to an internet user. Digital technologies-Internet of Things (Internet of Things, IoT). One of the main technologies based on digital information is the Internet of things. It is common for most household appliances to be connected to the electrical network, but gradually more and more objects of the physical world are connected to the Internet, which allows you to collect information and even remotely control these objects. Indeed, a virtual copy of a physical object appears on the Internet, which contains various parameters of the object and the outside world and allows you to control the object over the Internet. As an example of the Internet of things, a device such as a projector in a cinema sends a signal to the technical support service about a detected malfunction and a list of spare parts that need to be replaced as part of an out-of-plan repair. Digital technology-augmented reality (AR). The most promising is the technology of stuffed realism, which allows you to add objects from the virtual world to the real world.

Imagine walking down the street and seeing more information about the things and people around you. Examples of augmented reality already exist and are being actively used, in some oyster gardens you can already see signs that indicate links between an object and a virtual world in the physical world. Games with stuffed realism elements are actively spreading, stores selling clothes have virtual windows and equipment rooms, stuffed realism is already being tested on cars. At the same time, there are also issues that need to be solved on the way to the active use of completed reality technologies. For example, the accuracy of geopositioned detection tools is still insufficient, or computer vision technologies are imperfect to link objects of the physical world with their virtual copies. However, it can be safely said that in the near future this technology may be associated with a breakthrough. Digital technologies-virtual Reality (Virtual Reality, VR). The emergence of technical devices that allow a person to be in virtual reality has made this technology in demand in the entertainment industry. Helmets and costumes of Virtual reality, specialized rooms allow you to enter the unknown world, all your actions are programmed to respond from the virtual world, which allows you to immerse yourself in 100%. In education, VR changes the way students learn. The use of VR in classrooms helps students learn by better mastering knowledge and visualizing difficult concepts. As a conclusion, it can be said that the introduction of digital technologies into various spheres not only into the educational system plays a huge role in the modernization of the country's educational system. It serves to organize modern education and increase the effectiveness of Education.

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