

THE ROLE OF TECHNOLOGY IN EDUCATION TODAY

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ANNOTATION

In this article, the role of digital technology in education today, as well as digital technology, cloud technologies, use of digital technology in education, digital technology educational system tools, advantages of digital technology, Internet of Things (IoT), augmented reality (AR), the importance of using virtual reality (VR), comprehensive suggestions and recommendations regarding the independent, free and critical thinking of students have been developed.

Keywords: Quality of education, Internet, digital technologies, Wi-Fi zones, IT parks, artificial intelligence, virtual reality, Big data

INTRODUCTION

Introducing digital technologies and modern teaching methods into higher education processes in the "Concept of the Development of the Higher Education System of the Republic of Uzbekistan until 2030" approved by the Decree of the President of the Republic of Uzbekistan No. PF-5847 of October 8, 2019 development, widespread involvement of young people in scientific activities, fight against corruption, engineering Specific tasks have been set to increase the share of students studying in technical education, introduce the credit module system, and increase the share of practical training in specialized subjects aimed at increasing practical skills in the curricula.

One of the unique modern approaches to improving the effectiveness of education is the innovative approach, which involves the development of cooperative activities of teachers and learners based on the choice of forms, methods and tools in the organization of teaching processes, taking into account the mutual harmony.

During independence, the science of literature, based on universal values, based on the principles of beauty, goodness and justice, was established. The science of literary studies is expanding its possibilities with new interpretation and analysis methods. " Another important issue that always comes to our mind is related to the manners, behavior and, in a word, outlook of our youth. Today, times are changing rapidly. Young people are the ones who will feel these changes the most. Let the youth be in harmony with the demands of their time. But at the same time, don't forget yourself. Let the call of who we are, the descendants of great people always echo in their hearts and encourage them to stay true to themselves. How can we achieve this?

At the expense of education, education and only education", says Sh. Mirziyoyev in his speech about education.

LITERATURE ANALYSIS AND METHODOLOGY

Today, the leaders and experts of preschool education organizations, based on advanced foreign experience, take examples from foreign experiences, implement them in practice with a creative approach, develop normative documents, educational methodical literature, educational methodical complexes in accordance with the needs of the times. tasks of forming knowledge and skills related to the field of modern management and pedagogical technologies are included among the current issues. Therefore, decrees and decisions were adopted on the fundamental improvement of the preschool education system in our country.

said that "We will mobilize all the strength and capabilities of our country and society so that our young people can become independent thinkers, have high intellectual and spiritual potential, become people who are not inferior to their peers in any field on the world scale, and become happy." ¹calls for quality and effective organization of education, especially educating students from primary grades as independent thinkers, with high intellectual and spiritual potential, is one of the urgent issues of today .

Decree of the President of the Republic of Uzbekistan "On measures to further improve the preschool education system in 2017-2021" No. PQ2707 of December 29, 2016, "Measures to fundamentally improve the preschool education system on" No. PQ3261 of September 9, 2017 decisions, " On measures to fundamentally improve the management of the preschool education system" No. PF-5198 of September 30, 2017 Order these are from Ju Mla.

ANALYSIS AND RESULTS

Today, digital technologies are rapidly developing and require keeping up with the times in every field. The use of digital technologies in the educational system is of great importance in improving the quality of education and educating socially active young people in the present era, when the speed of obtaining and using information is very large. We used to run educational programs in the traditional way, which was lectures through bulky books and manuals. This, in turn, did not ensure that the quality of education was so high . Currently, the process of digitalization of education has started to improve the quality of education.

The current state of the education system is characterized by the increasing role of non-traditional educational technologies. Learning by the learner with their help is much faster than with traditional technologies. These technologies change the nature of knowledge development, acquisition and distribution, deepening and expanding the

¹Mirziyoyev Sh. We will build our great future together with our brave and noble people. -Tashkent: "Uzbekistan", 2016. -488 p.

content of the studied subjects, quickly updating it, using more effective teaching methods, and also significantly expanding the opportunity for education for everyone. will give.

We answer the question of what is digital technology as follows: it is a modern form of economic management. in it, a large set of data in digital form and the process of their processing serve as the main factor of production and management. Using the obtained results in practice makes it possible to achieve much greater efficiency compared to traditional forms of management. For example, various automatic production processes, 3D technology, cloud technologies. it is possible to mention the provision of remote medical services, the production and delivery of products with the help of smart technologies, the processes of storing and selling various goods. We will focus instead on digitization in the education system in this article.

Learning methods are becoming easier for learners when education is delivered through digital technologies. In this case, multimedia, overhead projector, computer, laptop, televisions connected to the Internet, telephone lines, smart boards, and projectors play the role of educational system mediators. Training teachers with such tools ensures the improvement of the quality of education. We all know that the use of digital technologies in online classes has good results. For example, we can consider online classes given on television as a form of digital education.

So in digital education:

- has the opportunity to study wherever and whenever he wants;
- the culture of obtaining and using information from the Internet is formed;
- raises the education system to a new level;
- dramatically reduces time and money consumption;
- such as not getting lost in the "digital world" and having advantages in finding a good job.

The opening of Wi-Fi zones and IT parks will greatly contribute to the development of the digital education system. There is an opportunity to develop the ability of educators to work with digital technologies and to organize various open courses through the Internet . This, in turn, will make educators work harder and increase the quality of education due to competition.

In addition, when digital technologies and the introduction of artificial intelligence technology are used to detect tax evasion, prevent fraud, analyze data and automate repetitive processes, and increase transparency, large volumes of data - And big data provides an opportunity to store and process a large amount of data received by tax authorities, to better predict revenues and to improve the exchange of documents between taxpayers and tax authorities.

Adoption of digital technologies is happening faster than any other innovation in human history: in just two decades, digital technologies have reached almost 50% of the population of developing countries and transformed societies with their help.

For example, advanced technologies based on the use of artificial intelligence in the field of health care are helping to save human lives, detect diseases and increase life expectancy. In the field of education, the provision of virtual learning environments and distance learning has allowed students to participate in programs that they would not otherwise have access to. In addition, through the use of blockchain-based systems, the use of public services will be convenient, the institutions that provide them will be more accountable, and the processes will be less bureaucratic due to the use of artificial intelligence. Big data can also lead to more flexible and accurate policies and programs.

Below we will touch on some digital technologies: cloud technologies are data processing technologies that provide computer resources as an online service to the Internet user.

Digital technologies - Internet of Things (IoT). One of the main technologies based on digital information is the Internet of Things. It is common that most household appliances are connected to the electrical network, but gradually more and more objects of the physical world are connected to the Internet, which makes it possible to collect information and even control these objects remotely. In fact, a virtual copy of a physical object appears on the Internet, containing various parameters of the object and the outside world, and allowing the control of the object over the Internet. As an example of the Internet of Things, a device such as a projector in a movie theater sends a signal to the technical support service about a detected fault and a list of parts that need to be replaced as part of unscheduled maintenance. .

Digital technologies - augmented reality (AR). The most promising is augmented reality technology, which allows you to add objects from the virtual world to the real world. Imagine walking down the street and seeing more information about things and people around you. Examples of augmented reality already exist and are actively used, in some amusement parks you can already see signs that show the connections between objects in the physical world and the virtual world. Games with elements of augmented reality are actively spreading, clothing stores have virtual windows and fitting rooms, augmented reality is already being tested in cars. At the same time, there are issues that need to be resolved in order to actively use augmented reality technologies. For example, the accuracy of geolocation tools is still insufficient, or the computer vision technologies for connecting physical world objects with their virtual copies are imperfect. However, it is safe to say that in the near future this technology may be associated with breakthroughs.

CONCLUSIONS AND RECOMMENDATIONS

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 suits of virtual reality, specialized rooms allow you to enter an unknown world, all your actions are programmed to respond from the virtual world, which allows you to immerse yourself 100%.

In education, VR is changing the way students learn. Using VR in classrooms can help students learn by better absorbing knowledge and visualizing difficult concepts

In conclusion, it can be said that the introduction of digital technologies in various fields, not only in the education system, plays a major role in the modernization of the country's education system. It serves to improve the organization of modern education and the effectiveness of education.

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