

## TEACHING METHODS FOR FUTURE TECHNOLOGICAL EDUCATION TEACHERS IN SPECIALIST SUBJECTS BASED ON DIGITAL TECHNOLOGIES

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**ABSTRACT:** This abstract provides an overview of the role of artificial intelligence in modern media education technologies in Uzbekistan. Artificial Intelligence (AI) plays a significant role in transforming the educational process, particularly in the field of media education. This abstract provides an overview of the role of artificial intelligence in modern media education technologies in Uzbekistan.

**KEYWORDS:** Innovation, digital technology, method 3D technology online IT field, WiFi.

### INTRODUCTION

As the creator of fundamental reforms implemented in our republic raising the emerging young generation to adulthood, their education at the level of modern requirements, their development as individuals, learning the secrets of professions and preparing them to solve everyday tasks is one of the main tasks of the educational process. Today, the word digital technologies is becoming popular in many fields. According to international experience, there is a special need to improve the professional and methodical competence of pedagogues, including the development of the most optimal methods and effective models of the educational process, the organization and implementation of an innovative educational environment [1].

Therefore, many changes are taking place in the teaching of specialized subjects based on digital technologies. The question arises, what is digital technology? It can be answered as follows: This is a modern form of business management in which 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 business management. Examples include various automatic production processes, 3D and 4D technologies, provision of remote medical services, production and delivery of products with the help of smart technologies, and various processes of storing and selling goods. We will dwell on the methods of teaching specialized subjects based on digital technologies for future teachers of technological education [2-3].

### ANALYSIS OF THE LITERATURE

General principles of educational process of higher education institutions and effective methods and means of ensuring methodical training of future teachers A.A. Abdugadirov,

N.N.Azizkho'jayeva, F.R.Yuzlikayev, V.N.Bespalko, creation and improvement of motivational environment of personal activity theoretical issues were studied in the scientific works of R.Z.Gaynutdinov, P.A.Rudik, M.G.Davletshin, Sh.E.Kurbanov, S.L.Rubinshtein and N.F.Talizina. Problems of improving the training of future teachers of technological education A.I.Vorobyev, B.A.Nazarova, P.T.Magzumov, T.A.Malenko, N.A.Muslimov, U.N.Nishonaliyev, N.Sayidahmedov, O'.Q.Tolipov, A.R.Khodjabayev, J.A.Khamidov, O.Kh.To researched by teachers and other pedagogic scientists. Scientists from foreign countries such as G.Spencer, B.Blum, R.Mohan, H.Miyakawa, Y.Khuqin discuss creativity in education, development of professional potential of pedagogues, issues of competence, problems of professional-methodical maturity, skills of using pedagogical software tools. conducted research on the theory of formation and development. Currently, the process of digitalization of education has started to improve the quality of education [4-5]. With the help of the use of digital technologies by the learner, the acquisition of knowledge is much faster than with traditional technologies.

## RESEARCH METHODOLOGY

If education is provided through the improvement of educational and methodical teaching of technological sciences based on digital technologies, the methods of education for students will become several times easier. 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. Teaching teachers with such tools ensures the improvement of the quality of education. We all know that the use of digital technologies in lectures and online classes has a good effect. For example, we can consider online classes given on television as a type of digital education.

Therefore, in digital education: - he has the opportunity to study wherever and whenever he wants;

- the culture of receiving 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 in IT parks will greatly and effectively serve the development of the digital education system if used for the right purposes. It will be possible to develop the ability of educators to work with digital technologies and organize various open courses via the Internet. This, in turn, makes educators work harder on themselves and increases the quality of education due to competition [6-9]. Digital technologies - Internet of things and events (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 plugged in, but gradually more and more objects in the physical world are connected to the Internet, which allows the collection of information and even remote control of these objects. 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 to control the object through 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. It is an extended reality of digital technology in the process of improving educational and methodological teaching of technological sciences on the basis of digital technologies. The most promising is augmented reality technology, which allows adding 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 augmented reality elements are actively spreading, clothing stores have virtual windows and fitting rooms, augmented reality is already being tested in cars [10-12].

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 objects of the physical world with their virtual counterparts are imperfect. However, it is safe to say that in the near future this technology may be associated with breakthroughs.

## CONCLUSIONS AND SUGGESTIONS

In conclusion, it can be said that the introduction of digital technologies in various fields, not only in the education system, plays a big role in the modernization of the country's education system. It serves to organize modern education and increase the effectiveness of education. In particular, improvement of educational and methodical teaching of technology science on the basis of digital technologies, digital technologies - virtual reality. 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 current era, when the speed of obtaining and using information, which is important for human existence, has increased greatly. This, in turn, ensures the high quality of education. Currently, the process of digitalization of education has begun to improve the quality of education. With the help of the use of digital technologies by the learner, the acquisition of knowledge is much faster than with traditional technologies. These technologies will change the nature of knowledge development, acquisition and distribution, deepening and expanding the content of the studied subjects, its rapid updating, more effective and the use of teaching methods, as well as allowing a significant expansion of educational opportunities for everyone gives.

The conclusion is that the organization of education in such a way required an individual approach to each future teacher as much as possible, respect for his personality, and confidence in him. It is convenient for the participants of the educational process, organized on the basis of an innovative approach, to learn in mutual cooperation in the form of pedagogue-student, student-student, student-student group, student-student team, and develop as a future teacher. represents the need to create pedagogical conditions.

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