



## The need to apply innovative education and digital technologies to higher education

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**Abstract:** Although it existed in a few different forms earlier, digital education is essentially a modern invention. It is the digitalization of a segment of the educational system. This article attempts to offer insightful thoughts on the future potential and difficulties of information and communication technology (ICT) and digital education as they relate to adopting the most recent technological advancements in the digital era and extensive online open courses. With the development of internet technology, we have observed a significant shift in how we communicate and collaborate among academics. The digital revolution encouraged unrestricted access to information on a global scale.

**Key words:** higher education; digital education; technology; teaching and learning.

Today, due to the expansion of the scope of application of information and communication technologies to all areas of society, in the continuous education system: finding the necessary information for decision-making by developing mechanisms for assessing students' skills in using digital technologies, working with digital devices, public a number of works are being carried out on the ability to critically and analytically study information media, the use of modern digital means of communication, and the formation of a positive attitude to newly developed innovative technologies. In particular, section 3.1 "Priority directions of economic development and liberalization" of the five priority directions of Uzbekistan's development in 2017-2021. to stay, point 9 provides for the rapid development of the service sector, increasing the role and share of services in the formation of the gross domestic product, and fundamentally changing the composition of the services provided, first of all, at the expense of modern high-tech types of services. requires proper



and accurate organization. In the last decade, dozens of new services have appeared in the field of computer information technologies and telecommunications.

The current progress of reforms in the socio-economic and political spheres in our country requires a fundamental reform of the education system. Because the development of each field is determined by the knowledge, thinking and skills of experts in that field, how much they have mastered the development trends of this direction in the world. Taking into account that the main task of the higher education institutions of our country is to prepare mature specialists with such skills and qualifications and a modern worldview, the task of introducing innovative education and digital technologies in the higher education system in the conditions of today's digital economy is being promoted. For this, it is necessary to effectively use the relevant innovative technologies of the digital economy, to establish direct online communication between professors and teachers, and to involve students in independent education.

Interactive methods have a leading place in innovative educational technologies. Interactive educational methods are a factor that activates learners and encourages them to be independent. Recently, interactive educational methods named as follows are widely introduced into the practice of higher and secondary special educational institutions: brainstorming, working in small groups, cluster (network), insert technique, pinboard, charxpak, boomerang, problem situation, business field yini, debate, exercise and many others. As a result of this, it is possible to form personal qualities and characteristics that characterize a modern specialist and constitute professional competence.

Today, new technologies of the digital economy greatly help the further development of distance education. Virtual and augmented reality, visually oriented distance learning technologies serve to provide students with quality education in accordance with today's requirements. That is, through the use of digital technologies in higher education institutions, the opportunity to attract students to the lesson is expanding.



In distance education, digital learning technologies are making it possible to fill the gaps left by traditional classes. In fact, some of the efficiencies that these digital tools bring are almost indistinguishable from traditional learning methods. But, from paperless handouts and books to quick access to information and time savings, it's reducing education costs, saving money, and providing an efficient way of learning for students.

In order to effectively organize distance education, in the conditions of today's rapidly developing digital economy, it is necessary and necessary to improve the Internet infrastructure and, in the words of the President of our country, to acquire digital knowledge and modern information technologies in order to achieve development. This gives us the opportunity to take the shortest path to ascension. After all, information technologies are deeply penetrating all areas of the world today."

Based on the above, it is necessary to use digital technologies and establish new generation systems of distance education and electronic journals. Not only teachers and students, but also their parents should participate in this, that is, they will see the e-journal grades, assigned homework, tests and general statistics of each student in the feedback form, as well as using messages Corresponds with professors and teachers and forms the electronic culture of the user.

The use of digital technologies and distance learning has led to the effective establishment of new generation systems and e-journals. Not only professors and students, but also their parents are involved in this, that is, they can see the e-journal grades, homework assignments, tests and general statistics of each student in the feedback form, as well as using the messages, the professor - correspondence with teachers, and most importantly, it allows to form the electronic culture of the user.

In conclusion, it should be said that in today's rapidly developing digital economy, the introduction of distance education through the application of pedagogical and digital technologies to all sectors of the economy, including the education sector, not only reduces unnecessary costs, but also has a modern outlook and knowledge. , will help to form mature



personnel who think independently and contribute to raising the Republic of Uzbekistan to higher heights in the future.

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