

**THE ROLE OF INNOVATIVE TECHNOLOGIES IN THE
EFFECTIVE ORGANIZATION OF STUDENTS' LEARNING
ACTIVITIES IN THE MODERN EDUCATION SYSTEM**

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Annotation: *The article theoretically analyzes the significance of innovative pedagogical and information technologies in the effective organization of students' learning activities within the modern education system. The impact of digital technologies, distance learning, interactive methods, and the possibilities of artificial intelligence on the quality of education and student engagement is revealed. The research results substantiate that innovative technologies serve as an important factor in developing students' independent thinking, creativity, and professional competencies.*

Keywords: *innovation, educational technologies, digital education, interactive methods, distance learning, competence, student engagement.*

Introduction. In the conditions of today's globalization and digitalization, the education system is becoming a leading factor in the development of society. In particular, organizing the educational process based on modern technologies plays an important role in increasing students' interest in learning, ensuring the effectiveness of their academic activities, and training

competitive specialists. The introduction of innovative technologies into the education system not only modernizes teaching methods but also contributes to the personal development of students.

At present, interest in the use of interactive methods and modern information technologies in the educational process is steadily increasing. One of the main reasons for this is that traditional education mainly focused on mastering ready-made knowledge, whereas the use of modern technologies teaches students to seek knowledge independently, learn on their own, think critically, analyze information, and even draw their own conclusions. In preparing future professionals, countries around the world consider providing students with modern knowledge, developing independent learning skills, and encouraging the creative application of acquired knowledge as one of the key objectives of modern education. The essence of the concepts of “creativity” and “pedagogical creativity” is also of particular importance in this context.

Today, learning from foreign experience, creatively implementing it in practice, developing regulatory documents, teaching and methodological literature, and instructional-methodical complexes in accordance with modern requirements, as well as forming professional knowledge and skills in the field of modern management and pedagogical technologies among leaders and specialists of preschool education institutions based on advanced international experience, are considered among the most pressing tasks. The rapid pace of globalization necessitates the implementation of a number of reforms in the education system as well. Historical experience has repeatedly proven that an education system that does not meet the demands of the time can lead an entire country into crisis. For this reason, the government annually allocates approximately 15–18 percent of the country’s gross domestic product to the

development and reform of the education system, which accounts for about 35 percent of the state budget. However, in global practice, this indicator does not usually exceed 3–4 percent.

It is well known that information and communication technologies (ICT), which are rapidly developing year by year in the education system, serve to elevate the quality and content of the educational process to a higher level. Today, the use of computer and information technologies creates new opportunities in education, learning activities, and the development of students' creative thinking. Information technologies make it possible to integrate education with real life and to closely link learning with future professional activities. When applying information technologies, it is necessary to strive for the full realization of the learner's potential through computer tools by developing cognitive, moral, creative, communicative, and aesthetic abilities. For computer and information technologies to become a полноценное (complete) means of personal development, teachers themselves must possess a high level of competence in information technologies.

In the work "New Uzbekistan Development Strategy," the President emphasizes: "We pay special attention to raising the higher education system to a new qualitative level, further developing higher educational institutions, eliminating existing problems in the sector, and ultimately transforming them into major centers of science." Along with high development indicators, the 21st century has also posed the challenge of adapting to pandemic conditions. The pandemic, like in other sectors, has had a negative impact on the education system as well. In such circumstances, information technologies served as a guiding force in ensuring the continuity of education. The distance learning format created a natural need for both professors and students to deeply master

information and communication technologies. The pandemic itself contributed to the mass development of internet usage skills.

There are a number of methods for achieving effectiveness in education, one of which is the purposeful use of modern technical tools for organizing the educational process in a meaningful way. In particular, the use of modern ICT tools such as technology, information systems, computers, multimedia, the internet, distance learning, and unified information environments has been yielding positive results. In this regard, the use of interactive electronic boards helps increase educational effectiveness by enhancing students' level of mastery, comprehension, retention, and application of knowledge.

The role of innovative technologies in organizing the educational process in higher education is increasing day by day. The use of distance technologies has significantly expanded the possibilities of modern education. Today, it is possible to receive education from anywhere in the world using modern information and communication technologies. Although traditional education maintains its position, distance learning technologies have become increasingly widespread in recent years.

At present, an education system aimed at integration into the global information and educational environment is being established in our country. This process is accompanied by significant changes that meet modern technical requirements in organizing the educational process. The introduction of modern information technologies into education makes it possible to qualitatively simplify and transform teaching methods and instructional approaches on the basis of innovative principles.

Information and communication technologies are one of the most important components of the modernization of the education system. ICT refers

to methods of processing information using various technical and software tools. First of all, it includes computers equipped with the necessary software and telecommunication tools used for storing and transmitting data. In the new edition of the Law of the Republic of Uzbekistan “On Education,” adopted on May 19, 2020, Article 1 defines the legal foundations of education, upbringing, and vocational training and emphasizes ensuring everyone’s constitutional right to education. The current stage of education clearly demonstrates the high demand for new requirements, in which the application and management of distance learning technologies occupy a particularly important place. In this regard, a number of important initiatives are being implemented in our country.

Training young people with modern knowledge, developing independent learning skills, and encouraging the creative application of acquired knowledge are among the main objectives of modern education. Experienced educators are not only seeking ways to reform the teaching process but also increasingly emphasizing the development of pedagogical technologies or teaching technologies. The term “pedagogical technology” emerged in foreign countries in the early 1960s and has since been widely published in authoritative journals in Japan, the USA, the UK, as well as in the bulletin of the International Bureau of Education of UNESCO under the series “Pedagogical Technology.”

Since 2013, a unified videoconferencing education technology has been implemented among all higher education institutions in the Republic of Uzbekistan, and today, great attention is being paid to e-learning. Systematic efforts are being carried out to open up new opportunities and prospects for higher educational institutions. For example, the distance management of personnel professional development in the regions can be cited as one such initiative. At the new stage of electronic or distance education, not only the

application of information technologies is envisaged, but also the provision of education with electronic learning resources.

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