



## EFFECTIVENESS OF MODERN EDUCATIONAL TECHNOLOGIES

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Article history:	Abstract:
<b>Received:</b> January 24 <sup>th</sup> 2024 <b>Accepted:</b> March 21 <sup>st</sup> 2024	This article identifies priorities for the development of the educational process based on the application of modern technologies in the higher education system of our Republic, analysis of their capabilities. Studies of the existing practice are also considered when drawing up scientifically based conclusions on the introduction of modern technologies in higher education.

**Keywords:** modern information, educational process, multimedia, IT technologies, new forms of Education.

### INTRODUCTION

Today, very strict and complex requirements are imposed on the organization of the educational process. Because, the social need to train qualified specialists who can work with complex techniques, have a full-fledged understanding of the essence of the production process, can positively solve problems that arise even in emergency situations, assumes the organization of the educational process on the basis of a technological approach. Teaching methods will belong to one or another classification, based on a certain pedagogical theory in its essence and content. In the content of the law "education program" of the Republic of Uzbekistan and the "National Program of training", each stage of the process of raising a competent person and a qualified specialist should carry out certain tasks in order to effectively organize the educational process in itself, to raise it to higher levels, at the same time to the level of education that can meet the requirements of Issues related to the legal aspects of ethical, personal data protection, competition between employees of robots and organizations, based on the use of numbers and with the unconditional benefit of the introduced technologies, are increasingly being considered. In this regard, as the president of our country Shavkat Mirziyoyev noted, "in order to achieve progress, it is necessary and necessary for us to master digital knowledge and modern information technologies. This gives us the opportunity to follow the shortest path of ascent. After all, today Information Technology is deepening into all areas of the world. Of course, we know very well that the formation of a digital economy requires the necessary infrastructure, a lot of funds and labor resources. However, no matter how difficult it is, when do we get into this business if we don't start today?! Tomorrow will be too late " [1].

### RESEARCH METHODOLOGY

Today, the role of innovative technologies, technical means, including modern computers, in the correct and effective organization of the educational process is incomparable. The use of multimedia, animation, graphics, diafilms and videos on the topic of the lesson will help to make the lesson process more interesting,

for this, the teacher should work on himself and ask himself the question "with what innovation I can enter today's lesson process and organize the lesson more interesting", that is, he should try to avoid traditional education and give [7] in the organization of the course process using modern information technology, the teacher initially:

- purpose of the lesson;
- ways to achieve the goal;
- methods of providing educational materials;
- teaching methods; - types of teaching assignments;
- questions for discussions;
- ways to organize debates and debates;
- it will be necessary to identify factors such as communication methods and communication. [2]

### ANALYSIS AND RESULTS

The didactic system of modern educational technologies follows from the fact that two sides – teaching and reading – constitute integrity in the educational process and serve as the subject of didactics. Programmed, problematic, developmental training of modern educational technologies (P.Galperin, L.Zankov, V.Davidov), humanistic (humanitarian) psychology (K.Rodgers), cognitive psychology (J. Bruner), 80s teacher in Russia- it organizes such directions as pedagogical technology of innovators, cooperation pedagogy, distance education, modular education.[6] developing educational technologies include technologies for the development of the interests and needs of the person receiving education, individual qualities, knowledge, creative abilities that are strongly manifested in certain areas.[8] in this, the process of teaching, taking into account the capabilities of each learner, is understood as the process that ensures the transition from one qualitative stage to another through an education with a special approach. In education, IT technologies are used when previously educated people want to find an answer to a question, need additional education, only a teacher, and printed books came to the rescue. Today, through the internet, it is possible to instantly turn to educational help in a variety of ways. Examples of innovative forms of teaching include training, roundtable, interactive lecture, interactive



excursion, video conference, VR classes, virtual lecture, virtual excursion, webinars, chatbots, webinars, blended learning (mixed teaching), artificial intelligence-digital teachers, publicly open online courses, etc.[5] it can be said that the use of interactive methods, graphic organizers, problematic methods, debates, game technologies as innovative teaching methods in the educational process. And innovative educational tools can include interactive whiteboard, Smart boards, presentation, multimedia, e - textbook, virtual atlases, virtual simulators, virtual University, virtual campus, technology platforms, educational portal, simulators, virtual libraries, 3D-, 4D-, 5D-tech applications. [3] innovative educational technologies are based on three main components:

1.Modern, well-built content, the basis of which is competencies in professional activities that respond to the current reality of entrepreneurial activity. the content includes various multimedia materials that are transmitted through modern means of communication.

2.Application of modern, innovative methods in teaching. Such methods should be aimed at the formation of competencies of the future specialist, involving students in active educational and practical activities, taking initiative in the educational process. Passive assimilation of training programs is excluded.

3.The presence of modern infrastructure in the educational process. It should be based on information, technological, organizational and communication components that help to apply new forms and methods of education, in particular distance education. In the current period, when the reforms in the continuous education system of the Republic of Uzbekistan continue to be intense, the need to improve the educational and educational process in the form and content should be the main and main issue on the agenda, and teacher and student cooperation should be further strengthened [4].

### **CONCLUSION**

In our opinion, the effectiveness of innovative processes to be introduced into the educational system, as well as the responsibility for fulfilling the requirements of the National Training Program, depend on the conditions for the development and introduction of pedagogical innovations, the purposeful, rational and continuous application of traditional and modern methods of Education. There are cases of abandonment of traditional methods that are effective in some cases. It feels like putting innovation against the teaching methodology that has been tested and tested in the experiment, giving a positive result. That is why it would be better if positive experiences in the traditional educational system were harmonized with innovations.

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