

## Innovations in the Educational System

**Tursunkhodzhayev Marat Lutfullayevich**

Professor, Alfraganus University

### Abstract

*In modern society, innovative technologies are expanding in almost all spheres of human activity, including education. This article analyzes the pedagogical description of innovative technologies in education and related concepts.*

**Keywords:** *Education, teaching methods, learning, innovation, innovative technologies, pedagogical technique, pedagogical innovation, didactic technology.*

Many reforms in the education system of our republic serve to eliminate the shortcomings in the provision of communication and coherence between the types of education in the field of personnel training. Today, as a result of not taking into account the socio-economic uniqueness of the regions and the demand and needs of the regions, as a result of the lack of in-depth study of the supply and demand in the labor market, there have been deficiencies related to the imbalance in the distribution of personnel across the regions. This is the reason why the need for teaching staff in some regions has not been met for years. It is known from the experience of countries with high intellectual potential that if the unity and connection between science, education and production is established, it will be possible to train qualified personnel in this direction, ensure their employment, and implement structural changes in the country's economy. The creation of new mechanisms, especially in the development of the continuous education system, has become a vital necessity of today's globalization processes, and this, in turn, requires the improvement of the quality of education and its modernization. The impact of the lifestyle of general secondary educational institutions on the effectiveness of the educational process is of particular importance in pedagogy.

At the moment, serious changes are being made in the field of education in our country. Today, all areas of the life of New Uzbekistan have become a field of deep reforms. In this process, it is impossible not to talk about changes in the education system. In recent years, practical work on the organization of the education system based on modern requirements has entered a decisive stage in our country. As the President noted: "The more educated our children are, the faster the economic sectors based on high technologies will develop, the more social problems will be solved." Therefore, if I say that the threshold of New Uzbekistan starts from the school, I think that our entire people will support this idea. This is the main goal of all work on the fundamental reform of the education sector. In this regard, the Ministry of Innovative Development, which was established at the initiative of the President, has been fulfilling the role of a necessary assistant to educational institutions. After all, in the "Strategy for innovative development of the Republic of Uzbekistan in 2019-2021", the Ministry of Innovative Development is required to improve the quality of education in educational institutions by introducing new educational programs, modern pedagogical technologies and smart technologies into the educational process. tasked with further improvement (organization of electronic modules and introduction of distance learning). The

Ministry of Innovative Development has carried out a number of works on the development of the education system in the republic.

- It is worth noting that the first innovative textbook in Uzbekistan was created for the 8th grade students of general secondary schools "Geography" (Economic and social geography of Uzbekistan).
- A platform (QR-book) was created to make the books available in educational institutions and transferred to electronic form convenient for users. An innovative library platform was created. The innovative library platform covers a number of higher education institutions. You can download more than 17,000 audio, video and electronic literature through this platform. More than 32,000 teachers and students of educational institutions use it.
- "Innovative Essays and Videos" Contest This contest was held by the Ministry in order to organize the use of computer technologies and the Internet among the population and youth, to increase the interest of our youth in programming, and to demonstrate the intellectual potential of talented youth. held until May.

Innovative technologies are innovations and changes in the activities of teachers and students in the pedagogical process, and their implementation requires the use of interactive methods. Interactive methods are based on the activity of each student participating in the educational process, free and independent thinking. When using these methods, learning becomes an interesting activity for the student. When interactive methods are used, students acquire the skills and abilities to work independently with the help and cooperation of teachers. Pupils acquire new knowledge on the basis of scientific research, research, experimental tests. The principle of gaining knowledge through science is followed. Participants of the educational process work in small groups. Educational assignments are not given to a single student, but to all members of a small group. The main form of organizing the teaching process is the lesson. Currently, various non-traditional forms of lessons are being introduced. Such classes serve to develop the student's creative abilities, strengthen his intellectual potential, expand his scientific worldview, and develop the skills and abilities to quickly and fully accept every new thing. The use of innovative technologies in the course of the lesson arouses interest in scientific research in students, develops creativity and creativity. As a result, acquired knowledge, skills and abilities are applied in practical activities, the quality of learning increases. For this, the teacher should be skilled and properly plan the lesson depending on the content of the topics, and make all the students work actively and consciously during the training. After all, the teacher is the main executor of the educational reform. It is important to teach each teacher to learn, process and apply a large amount of information in a short period of time. In solving it, the teacher will be helped by the use of modern information technologies, including computers, along with traditional methods of teaching. Pedagogical innovation is innovation in pedagogical practice, changes in the content and technology of teaching and education, aimed at increasing their effectiveness. Innovation is understood as the result of innovation, and the innovation process is considered as the development of three main stages: creation of an idea (known in one case, scientific research), the development of ideas in practical aspects and the implementation of innovations.

Innovation (English innovation) is innovation. A.I. Prigogine understands innovation as purposeful changes that introduce a new, relatively stable element to a certain social unit - organization, population, society, group. This is the activity of the innovator. Innovative technologies are innovations and changes in the pedagogical process and teacher's and student's activities, and mainly interactive methods are fully used in its implementation.

Interactive methods are called group thinking, that is, methods of pedagogical influence, which are part of the educational content. The uniqueness of these methods is that they are implemented only through the joint activity of pedagogic students.

Pedagogical innovation - innovation in pedagogical activities, changes in the content and technology of education and training, increasing their effectiveness. Thus, the innovative process consists in forming and developing the content and organization of the new. In general, the innovative process means a complex activity on the creation (birth, development), development, use and distribution of innovations. In order to fully and correctly show the specific features of the innovative processes taking place in the modern educational space, two types of educational institutions can be distinguished in the educational system: traditional and non-traditional. Traditional systems are distinguished by their stable operation aimed at maintaining the established order. Non-traditional systems are characterized by search mode. Innovative processes in non-traditional education systems are carried out in the following directions: formation of new content of education, development and introduction of new pedagogical technologies, creation of new types of educational institutions.

Currently, various pedagogical innovations are used in school education. The following innovative technologies can be distinguished.

1. Information and communication technologies (ICT) in science education. The introduction of ICT into the content of the educational process implies the integration of various disciplines with informatics, which leads to informatization of students' minds and understanding of the processes of informatization in modern society (in its professional aspect). It is very important to implement the emerging trend in the process of school informatization: from the development of initial information about informatics by schoolchildren to the use of computer programs in the study of general education subjects, and then to the completion of its structure and content. . Implementation of a radical restructuring of the entire educational process based on the use of information technologies. As a result, new information technologies appeared in the methodological system of the school, and school graduates are preparing to master new information technologies in their future activities. This direction is implemented by introducing new subjects aimed at learning informatics and ICT into the curriculum. The experience of using ICT in schools has shown that: a) the information environment of the open school, which includes various forms of distance education, especially using the project method, significantly increases the interest of students in learning science subjects; b) informatization of education is attractive for the student, because psychological stress in school communication is eliminated by moving from the subjective relationship "teacher-student" to the most objective relationship "student-computer-teacher" , the efficiency of students' work increases. , the share of creative work increases, the opportunity to receive additional education in science within the walls of the school, and in the future, a targeted choice of a higher education institution and a prestigious profession will be made; c) informatization of teaching is attractive for the teacher, allows to increase his labor productivity, increases the general information culture of the teacher.

2. Person-oriented technologies in teaching science, student-oriented technologies put the child's personality at the center of the entire school education system, provide comfortable, conflict-free and safe conditions for his development, realization of his natural possibilities. . In this technology, the child's personality is not only a subject, but a priority; it is the end of the educational system and not a means to achieve abstract goals. This is reflected in the development of individual educational programs according to the students' abilities and needs.

3. Providing information and analysis of the educational process and managing the quality of education for schoolchildren. The use of innovative technologies, such as the information-analytical method of educational quality management, makes it possible to observe the development of each child individually, in a class, in parallel, and in the school as a whole, over time. With some modifications, it can become an indispensable tool for preparing general control of the class, studying the teaching situation of any subject of the curriculum, studying the work system of one teacher.

4. Monitoring of intellectual development. Analysis and diagnosis of the quality of education of each student, testing and graphing the dynamics of development.

5. Educational technologies as a leading mechanism of forming a modern student. This is an important factor in today's educational environment. It is carried out in the form of involving students in additional forms of personal development: participation in cultural events according to national traditions, theater, children's art centers, etc.

6. Didactic technologies as a condition for the development of the educational process of the educational institution. Already known and proven methods, as well as new ones, can be implemented here. These are textbooks, independent work with the help of games, design and protection of projects, learning with the help of audio-visual technical means, "consultant" system, group, differentiated teaching methods - "small group" system, etc. Usually, various combinations of these methods are used in practice.

Getting acquainted with the teaching methods in educational institutions, we can say that time, including the educational process, does not stop. New times dictate new rules; new educational programs help to introduce innovative technologies into the educational process.

## REFERENCES.

1. O'zbekiston Respublikasi Prezidenti Shavkat Mirziyoevning O'qituvchi va murabbiylar kuniga bag'ishlangan tantanali marosimdagi nutqi. 1-oktyabr 2020 yil.
2. "Yangi O'zbekiston ostonasi maktabdan boshlanadi." Husan Nishonov. Ma'rifat gazetasi. 19-oktyabr 2020 yil.
3. Pedagogik texnologiyalar va pedagogik mahorat. H.T Omonov. N.X Xo'jayev, S.A.Madyarova, E.U. Eshchonov Toshkent 2009 yil
4. Pedagogik mahorat. A. Xoliqov. Toshkent 2011 yil
5. Axmedova M. Pedagogika nazariyasi va tarixi. O'quv qo'llanma.-T.: "Tafakkur bo'stoni", 2011
6. Babanskiy Yu.K. Hozirgi zamon umumiy ta'lim maktabida o'qitish metodlari. T.: «O'qituvchi», 1990