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USE OF INNOVATIVE EDUCATIONAL TECHNOLOGIES IN INCLUSIVE EDUCATION

Abstract: This article analyzes the importance of the use of innovative educational technologies in inclusive education and its impact on the learning process of students and innovative technologies, including computer programs, multimedia tools, virtual reality technologies and distance learning. Learning platforms play an important role in inclusive education in individualizing learning for people with disabilities, creating an educational environment tailored to the specific needs of students it will be said.

Key words: Inclusive education, innovative education, computer technologies, multimedia tools, braille system and voice programs, simulation and virtual reality technologies, individualization and customization.

The English term “inclusive” means integration, cooperative education, and is recognized by the world community as the most humane and effective education. Inclusive education is the provision of equal rights to education in educational institutions, taking into account the differences in special educational needs and individual capabilities for all students.

It was also approved in September 2020 by the Law on Education in our country. Before approval, the Association of People with Disabilities of the Republic of Uzbekistan, together with experts, conducted an analysis of the compliance of the draft law with the principles of inclusive education. Article 20 of the law provides for inclusive education in educational institutions for children with physical, mental, sensory and mental disabilities. In order to fully fulfill the tasks defined in this law, on October 13, 2020, the Resolution of the President of the Republic of Uzbekistan No. PQ-4860 “On measures to further improve the system of education for children with special educational needs” [1], and No. 638 of the Cabinet of Ministers dated October 12, 2021 “On approval of normative legal documents regarding education of children with special educational needs” [2] decisions were made [3;873-p].

At present, the recognition of inclusive education in all countries does not depend only on legislation. Fighting discrimination and social prejudice is the most important thing. That is, it is the first time to carry out propaganda work among the population, recognizing inclusive education [4;568-p].

Inclusive education is a special educational environment created for all students, students, including those with disabilities, to receive education according to their abilities. The use and development of innovative technologies, including telecommunication systems and computer equipment, in the process of inclusive education is related to the dynamic and intensive features of the current society. These technologies help to bring a person closer to society, to form and develop a certain level of education, culture, worldview and intellectual abilities [5; 36-40-p]. Innovative educational technologies are new methods and tools that help to develop the educational process more effectively and comprehensively. The use of innovative technologies in inclusive education is of great importance in organizing the educational process, taking into account the specific needs of students. The use and development of innovative technologies, including telecommunication systems and computer equipment, in the process of inclusive education is related to the dynamic and intensive features of the current society. These technologies help to bring a person closer to society, to form

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and develop a certain level of education, culture, outlook and intellectual abilities. The use of innovative technologies in the education of persons with disabilities opens up support for the development of their communication skills, opportunities for communication with teachers, tutors and other students, which allows students with disabilities to contribute to society. helps to integrate. These opportunities are realized through the use of technical tools in the educational process. The choice of material and technical support within the framework of inclusive education is based on the ratio between the maximum variability and invariance of all its components. For example, hearing-impaired students need sound amplifiers, multimedia equipment, and wireless audio transmission technologies, which allow for existing forms of information exchange and help compensate for the hearing function.

Computer technologies: The educational process can be made effective through computer programs that help students learn information, platforms that provide interactive communication between teachers and students, and multimedia tools. Such technologies make it easier for students with hearing, vision or mobility disabilities to receive information using special programs.

Multimedia tools: taking into account the different knowledge and perception capabilities of students, multimedia tools such as video, audio-visual materials, interactive educational programs are widely used in the educational process [6;200-p]. These technologies allow students to better understand and remember the material they are learning.

Braille and Voice Programs: Braille, special voice programs, and screen reading technologies are used for visually impaired students. These technologies allow students to listen to the text and understand it. For example, teaching the visually impaired requires the availability of special equipment in the educational institution: video amplifiers, electronic magnifiers, Braille computer equipment, speech synthesizer programs, and other visual functions. tools that do not require use. The uniqueness of these technical tools is that they convert computer data into forms accessible to students with visual impairments, i.e. to enhance residual vision or to convert visual information into sound and tactile signals gives [7;20-p].

Simulation and virtual reality technologies: For students with mobility or other physical limitations, virtual reality technologies can help make the learning process more lifelike and interesting. Through such technologies, students can perform various tasks in a safe and comfortable environment for themselves. In addition, distance education and online platforms: Innovative technologies play a major role in the development of distance education. With online classes, video chats, forums, and learning resources, students can learn at their own time and place.

Individualization and customization: Through computer technology, teachers can personalize the learning process, taking into account the individual needs of each student. By changing the font size, playing with colors, presenting educational materials in different forms (audio, visual, text), you can create a comfortable reading environment for each student.

In conclusion, it can be said that the use of innovative educational technologies in inclusive education creates an opportunity for students to receive education in accordance with their capabilities and needs. With the help of these technologies, students have the opportunity to work with educational materials adapted to their abilities and needs, which, in turn, makes the process of learning more effective and convenient for students. Also, innovative technologies help to develop communication skills in inclusive education and ease the process of students' integration into society. Thus, the use of innovative technologies in inclusive education creates opportunities for students to receive equal education, further develops the educational process taking into account their individual needs, and

helps to educate socially active, free-thinking individuals in society. This approach increases the effectiveness of inclusive education and serves the sustainable and fair development of the education system.

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