

ARTIFICIAL INTELLIGENCE AS A TOOL FOR THE DEVELOPMENT OF EDUCATION

The purpose of the research is to identify how artificial intelligence affects the educational process.

The object of the research is Artificial intelligence as a factor in the development of education.

The subject of the research is the process of developing education with the help of artificial intelligence.

Considering the concept of artificial intelligence, in a general sense, we can assert that it is related to robotics or similar objects. However, it is worth noting that Artificial Intelligence is a technology that allows you to solve problems like human intelligence. Artificial intelligence in action mimics human intelligence: it can recognize images, write poetry, and make predictions based on data.

Modern technologies, including artificial intelligence, are improving approaches to education. Artificial intelligence is a powerful tool that can improve the quality of education, individualize the approach to each student, and make educational processes more accessible and effective.

Artificial intelligence allows you to create personalized educational programs that take into account the level of training, abilities and interests of students. For example, adaptive learning systems analyze student performance and offer tasks of appropriate complexity. This helps to avoid overloading or, conversely, underloading, while maintaining an optimal learning rate.

Artificial intelligence-based systems such as virtual tutors and voice assistants provide students with access to additional support throughout the day. This is especially useful for students with limited access to traditional educational institutions or with special needs.

Artificial intelligence helps educational organizations collect and analyze data on the progress of learning, identify weaknesses in programs and optimize them. For example, data analysis can be used to create more effective curricula, identify potential student difficulties, and prevent them. Artificial intelligence can be used to train spoken language, automatically check grammar and trans-

late texts, help students solve mathematical problems, provide step-by-step instructions and explanations until the student fully understands the topic, and develop tests for intermediate student assessment based on the material passed.

Despite the advantages, the use of artificial intelligence in education is fraught with difficulties. These include ensuring data privacy, preventing discrimination and technological dependence. It is important to take these aspects into account when developing and implementing systems based on artificial intelligence.

It is worth noting that for some categories of citizens, the use of modern technologies can cause a number of difficult situations. Thus, it is necessary to develop a program that would facilitate the rapid adaptation of employees to new technologies and the ability to work with artificial intelligence. An example of such a program could be an application or website that is as responsive and easy to use as possible. It is also necessary to find employees who will monitor the correctness of the work of artificial intelligence. Moreover, it is necessary to develop a teacher training program for the use of artificial intelligence.

In conclusion we may summarize that AI opens up new horizons for education, making it more accessible, flexible and efficient. However, it is important to remember that AI is a tool that must be used in conjunction with human involvement. Teachers remain a key figure in the educational process, and AI serves to empower them.

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