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Key words: generative AI, artificial intelligence, chatGPT, scientific writing, academic integrity, scientific publications, form-content distinction

BENEFITS AND RISKS OF IMPLEMENTING ARTIFICIAL INTELLIGENCE IN EDUCATION

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The development of artificial intelligence (AI) will play an increasingly crucial role in human lives in the near future. Its impact will be felt in various fields, including education. A wide range of possibilities for using AI opens up before us, particularly in the

creation of systems that contribute to the effective organization and improvement of educational processes. Today, we can already identify perspectives and directions for such development. The road map includes the implementation of intelligent systems capable of analyzing the skills, abilities, and needs of students automatically. This will assist in accurately selecting personalized materials, tasks, and recommendations, ultimately contributing to the creation of optimal learning conditions for each student.

Intelligent systems will be able to track the progress of each student. This will enable teachers to adjust the learning process, improve teaching methods, and efficiently allocate resources and efforts for further education.

The future implementation of electronic platforms for testing and evaluating various aspects of learning will only expand. Programs and tools are already being developed for the automated assessment of non-standard tests, complex projects, etc. With the help of AI, the analysis of textual material will be simplified. Machine learning models will be able to consider various aspects of creative tasks, evaluate argumentation quality, detect plagiarism, and provide advice on improving student work. Equally important is the implementation of chatbots and virtual assistants based on intelligent systems. They can provide support to students, answer their questions, assist in overcoming specific challenges, and promote active learning.

A promising direction in education is the creation of adaptive tasks aimed at improving the quality of learning and ensuring the effective development of each student. This approach takes into account the unique abilities and educational levels of students, adjusts the pace of learning to individual capabilities, provides additional exercises, and assists in mastering more complex material. The application of data analysis technologies allows the identification of students' strengths and weaknesses to propose tasks that best match their level. An effective adaptive task system should provide diverse teaching approaches, making use of interactive audiovisual and other educational tools to ensure optimal clarity. Tailoring tasks to individual interests have the potential to boost students' motivation, encourage active engagement in learning, and foster the development

of critical thinking, analysis, and problem-solving skills. The complexity of these tasks will depend on the student's increasing proficiency.

In the context of using AI in education, there are also risks that require attention and development in this field. Automation may lead to job losses for some education professionals. The collection and processing of a large amount of personal data have already posed a threat to the privacy and security of students and educators. Excessive automation could result in the loss of human interaction and pedagogical empathy, both of which are crucial in the educational process. The adoption of innovations will necessitate new skills for teachers and students, potentially causing challenges in adapting to a new educational environment.

The implementation of AI is expected to widen disparities in accessing quality education. This is primarily due to insufficient funding, variations in technological resources, and limited internet access, particularly in rural or war-torn areas.

So, the use of AI in education holds significant potential for improving learning processes, providing personalized education, and automating assessment. However, it comes with important challenges, such as the possibility of job loss, concerns regarding the security of personal data, and difficulties in adapting to new technologies, which require careful consideration and the resolution of respective issues.

Key words: artificial intelligence, automated assessment, academic integrity, adaptive tasks, virtual assistant.