

Using AI in Educational Process

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Abstract. The development of artificial intelligence (AI) and its implementation in a large number of areas of our lives are happening at an incredible speed. It is impossible to deny this influence and resist it. Therefore, it is necessary to learn to adapt to the new reality and learn to use it profitably.

Since the advent of affordable AI tools, such as ChatGPT, they have been actively used by students in schools and universities around the world. At first, their use was often primitive: Students copied assignments and asked the AI to 'solve for them'. This seemed like a convenient and quick way to deal with academic requirements. However, this approach had an extremely negative impact on the educational process. The lack of understanding of the material, skill training, analysis of educational material, and logical reasoning has become not only widespread, but also extremely difficult to track. However, there are alternative scenarios in which AI becomes not a replacement for thinking but its assistant. In these cases, AI helps to individualize the learning process and adapt the material to a specific student. AI can be used to solve various methodological problems, such as obtaining the necessary assignments on a specific topic with the required level of complexity, variability of wording, and instant feedback; providing the student with the opportunity to act as a teacher, while AI acts as a student, asks clarifying questions, identifies inaccuracies, and requires explanations. Thus, passive reading of a textbook or notes turns into active processing of knowledge. Examples include the use of AI in the preparation for exams in physics and chemistry. This approach to using AI can radically change not only the educational process itself, but also the structure of the educational materials to which we are accustomed. New types of questions offered in textbooks arise: "formulate a similar problem", "explain why the answer is this", "what will change in the reasoning if the condition is changed in some way?" etc

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