

# The role of ChatGPT in the educational process

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## Abstract

The development of advanced artificial intelligence technologies has impacted various aspects of our lives, including the educational system (Rahman & Watanobe, 2023). ChatGPT is an artificial intelligence tool that generates text based on user queries. It is designed to understand language and provide responses to user questions (Halaweh, 2023). It utilizes deep learning techniques to understand, process, and generate the natural human language with a high level of complexity. Additionally, it offers exciting possibilities for teachers and students, including personalized feedback, interactive conversations, lesson planning, and evaluation. ChatGPT can act as a mentor, providing quick feedback and empowering students to take control of their learning (Lo, 2023). Despite its advantages, ChatGPT also has its drawbacks. In the educational process, it may contribute to reduced student creativity, diminished critical thinking, and increased instances of plagiarism (Biswas, 2023). Therefore, teachers should be trained to effectively use ChatGPT and detect student plagiarism more easily. Furthermore, students need to be educated about the usage and limitations of ChatGPT. Enhancing the students' digital and media literacy is necessary to fully exploit the potential of this artificial intelligence tool. Nevertheless, it is crucial to emphasize that ChatGPT holds significant potential in the educational system. Research has shown that the artificial intelligence-based technology can increase student motivation and improve learning outcomes (Ali et al., 2023). The aim of this paper is to highlight the role of ChatGPT in the educational process, discussing its advantages and disadvantages, the risks of its use in education, and the implications for future research. Additionally, the relevant research findings in this area will be presented. The paper's objective is achieved through theoretical and content analysis. The implications of this paper lie in developing a new teaching philosophy that incorporates the new artificial intelligence tools and designing professional programs to enhance the teachers' digital competencies (Tlili et al., 2023).

Keywords: artificial intelligence; ChatGPT; educational process.

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