



The role of artificial intelligence in improving the quality of learning outcomes

Case Study

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Introducción

Artificial intelligence (AI) has the potential to transform the learning and teaching process, making it more personalized, engaging, and efficient. AI in education involves the utilization of AI technologies like machine learning and natural language processing to enhance the overall learning experience. This includes the use of algorithms to analyze data, recognize patterns, and make predictions, allowing educators to tailor learning experiences for individual students. The advantages of incorporating AI in education are substantial. Personalized learning, a key benefit of AI in education, can result in improved student outcomes as students can learn at their own pace and in a manner that aligns with their unique learning styles. Intelligent tutoring systems, chatbots, and automated grading and assessment can enhance efficiency, save teachers' time, and offer more precise and consistent feedback. Nevertheless, there are challenges associated with the implementation of AI in education. Issues such as privacy and security concerns, lack of trust, cost implications, and potential biases must be addressed. Ethical considerations, including ensuring accessibility, transparency, and fairness in AI-based education systems, also need to be carefully considered. Despite these challenges, the potential impact of AI in education is vast. AI can facilitate improved data analysis, empowering educators to make informed, data-driven decisions. This review highlights the role of AI in education management and promotion, illustrating the profound effect of AI on the education sector.

Problem Statement

The research problem was defined in the following main question: "What is the role of digital platforms in improving the quality of learning outcomes?" For universities? "

Study Questions

A group of sub-questions branch out from the main research problem, which are set out as follows:

- What is the role of digital platforms in developing the educational process?
- How can e-learning platforms address teaching obstacles?
- Do digital platforms contribute to improving the performance of their users, including professors and students?

- What is the quality of educational outcomes resulting from the application of digital education platforms?