

UNLOCKING THE POTENTIAL OF AI: ENHANCING LEARNING OUTCOMES THROUGH TECHNOLOGY

by:

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Artificial intelligence (AI) is altering the educational landscape, creating chances to improve learning outcomes like never before. AI is changing the way students and teachers learn and teach, from individualized learning to streamlined administrative operations.

One of AI's most significant achievements is the capacity to tailor education. Adaptive learning platforms such as Khan Academy and Dream Box tailor information to students' individual learning styles, pace, and needs. These technologies modify activities based on student performance data, ensuring that each learner advances at their own rate.

AI additionally aids teachers by automating tedious chores like grading and attendance tracking, giving them more time to organize lessons and connect with students. For example, AI-powered applications such as Grammarly and Turnitin assist students in improving their writing skills while maintaining academic integrity.

Furthermore, AI offers access to global resources via virtual tutors and chatbots that provide 24-hour support. These technologies aid in the closing of learning gaps, particularly among kids in underprivileged communities. Chatbots, such as ChatGPT, may explain complex concepts, answer questions, and promote knowledge outside of typical classroom hours.

AI-powered technologies also provide immersive learning experiences via virtual and augmented reality, making abstract concepts more palpable and engaging. These technologies enable students to discover, experiment, and collaborate in unconventional manners.

Education systems may use AI to unlock students' full potential and pave the path for more equitable, efficient, and effective learning outcomes.

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