

Impact of Artificial Intelligence on Future Employment in the Education Sector

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The swift rise of Artificial Intelligence is triggering a massive shift in the academic world, creating a new reality for both today's educators and the students entering tomorrow's workforce. This research employs a dual-survey approach to understand how AI acts as both a disruptor of traditional teaching and a tool for career growth. A primary objective of this study is to examine the impact of AI on current employment, specifically how teachers are adopting tools like AI lesson planners to boost efficiency and redefine their roles. Additionally, the paper explores the impact of AI on future employment by gauging student perspectives on job creation, the urgent need for new technical skills, and their overall readiness for an AI-driven market. By analyzing feedback from both groups, the study identifies a strong demand for formal institutional training and proactive reskilling. The findings suggest that while fears of automation exist, there is a clear consensus that mastering AI is essential for career success. Ultimately, the future of education depends on a partnership between humans and technology, requiring all generations to adapt as the economic landscape evolves. The research is based on primary data collected through structured surveys administered to students and faculty. Quantitative analysis is performed using sample tests to compare familiarity and usage levels across groups. Furthermore, regression analysis is utilized to determine how significantly variables like AI skill acquisition and frequency of tool usage predict an individual's optimism regarding their future career prospects.

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