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THE INFLUENCE OF ARTIFICIAL INTELLIGENCE ON EDUCATION AND YOUTH DEVELOPMENT

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Abstract

Artificial intelligence (AI) has developed rapidly in recent years and has become an important part of modern society, especially in the field of education. The widespread use of AI technologies among young people has significantly transformed traditional teaching and learning processes. This article examines the influence of artificial intelligence on education and its role in the academic and intellectual development of youth. The study discusses both the benefits and challenges of integrating AI into educational environments. While AI improves learning efficiency, personalization, accessibility, and teacher productivity, its excessive or unethical use may negatively affect students' independent thinking and critical skills. Therefore, the article emphasizes the need for responsible and ethical use of artificial intelligence to ensure high educational quality and sustainable youth development (UNESCO, 2021).

Keywords

Artificial Intelligence, Education, Youth development, Educational technology, Learning process.

Introduction

In the twenty-first century, technological progress has become a key factor influencing social and educational development. Among modern technologies, artificial intelligence occupies a central position due to its ability to process large amounts of data, adapt to users' needs, and provide intelligent solutions. AI technologies are widely applied in various fields, including healthcare, business, and industry, and their impact on education continues to grow (Holmes, Bialik, & Fadel, 2019).

Educational institutions around the world are increasingly integrating artificial intelligence into teaching and learning processes. AI-based platforms support online learning, digital assessment, and personalized instruction. Young people, in particular, actively use artificial intelligence for studying, completing assignments, learning foreign languages, and developing new skills. As a result, learning has become more flexible, interactive, and accessible.

However, alongside these benefits, the use of artificial intelligence in education raises several concerns. Researchers highlight issues related to academic integrity, ethical responsibility, data privacy, and the possible decline of students' independent thinking abilities (Zawacki-Richter et al., 2019). Excessive reliance on AI-generated content may reduce creativity and critical reasoning. Therefore, it is essential to analyze both the positive and negative aspects of artificial intelligence in education.

Method

This study is based on a qualitative research approach that involves the analysis of existing academic literature, educational reports, and practical examples related to artificial intelligence in education. The research draws on scientific articles, policy documents, and analytical studies published by international organizations and academic platforms such as UNESCO and Google Scholar.

The study focuses on examining how artificial intelligence tools are used by students and teachers, particularly among young learners in higher education. In addition, it analyzes the potential risks associated with the overuse of AI technologies in the learning process. This approach allows for a comprehensive understanding of the role of artificial intelligence in educational development.

Results

The analysis demonstrates that artificial intelligence has a significant impact on the effectiveness of the educational process. AI-powered systems enable students to evaluate their knowledge level, identify strengths and weaknesses, and receive instant feedback. This continuous assessment improves learning outcomes and helps students correct mistakes more efficiently.

One of the most important advantages of artificial intelligence in education is personalized learning. AI systems adapt learning materials according to students' individual needs, learning speed, and preferences. This approach allows learners to study at their own pace and focus on areas that require improvement. Personalized learning is especially beneficial for youth with different academic abilities and learning styles (Luckin et al., 2016).

Artificial intelligence also plays a crucial role in foreign language education. AI-based applications provide interactive exercises, pronunciation correction, vocabulary practice, and real-time feedback. These tools help students improve their language skills independently and increase their confidence.

For teachers, artificial intelligence reduces workload by automating tasks such as grading assignments, monitoring student progress, and organizing learning materials. This allows educators to dedicate more time to creative teaching methods and individual student support.

Despite these advantages, the findings also reveal several challenges. Excessive dependence on artificial intelligence may limit students' independent thinking and problem-solving skills. Ethical issues such as plagiarism and unequal access to technology remain significant concerns (Zawacki-Richter et al., 2019).

Conclusion

In conclusion, artificial intelligence has a strong influence on education and the development of youth. When used effectively, AI enhances learning quality, supports personalized education, improves teaching efficiency, and expands access to knowledge.

However, artificial intelligence should be used as a supportive tool rather than a replacement for human thinking and creativity. Educational institutions should promote responsible and ethical use of AI and encourage students to maintain academic integrity. By achieving a balanced

approach, artificial intelligence can contribute to sustainable educational development and support the intellectual growth of young people (UNESCO, 2021).

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