

Modern Education and Research
**ARTIFICIAL INTELLIGENCE IN MODERN EDUCATION:
OPPORTUNITIES AND CHALLENGES**

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Annotation

In today's modern world, the role of technology in education is significantly important. Especially, artificial intelligence is developing day by day, and its application in educational processes brings great opportunities to students. For example, various interactive exercises and language learning processes are becoming easier and more effective. However, at the same time, it also causes some problems and shortcomings. For instance, the lack of data protection in artificial intelligence and the shortage of some resources are explored. The role of artificial intelligence in education, its opportunities and challenges, is discussed based on research, studies, and experiences. Additionally, this article discusses how artificial intelligence can be made more convenient for students and more effective in education in the future.

Keywords. *Artificial intelligence, modern education, English language learning, educational technology, university students, digital learning, ChatGPT.*

Literature Review

Shokirov (2025) noted that integration of artificial intelligence tools in the field of English language teaching presents both new opportunities and challenges. One can learn English grammar, write essays, improve pronunciation, and learn vocabulary according to their level. However, excessive use of artificial intelligence reduces students' independent thinking and creativity.

Zaripov (2024) noted that ChatGPT is useful as an assistant for correcting grammar, pronunciation, and stylistic errors. AI can help writers become more aware of their mistakes and improve their writing skills. However, complete reliance on artificial intelligence may reduce students' creativity and independence.

Methodology

The methodology of this article is based on questions prepared for university students. The purpose of the survey is to explore students' attitudes toward artificial intelligence and identify both its advantages and challenges in education. The collected responses contribute to understanding how AI can be used more effectively and responsibly in the future.

Results and Discussion

The survey results showed that most students use AI tools during their studies. They believe AI helps them improve grammar, vocabulary, writing, and research skills while saving time. At the same time, many respondents agreed that students should not depend completely on AI because it may reduce critical thinking and creativity. Therefore, AI should be used as a supportive educational tool rather than a replacement for independent learning.

Conclusion

Artificial intelligence has become an important part of modern education. It creates many opportunities for both students and teachers by making learning more interactive, accessible, and efficient. Nevertheless, responsible use of AI is essential. Students should combine AI technologies with independent learning, critical thinking, and guidance from teachers. In the future, artificial intelligence is expected to play an even greater role in education and research while supporting lifelong learning.

References

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