

THE MECHANISM OF USING ARTIFICIAL INTELLIGENCE IN ENGLISH LANGUAGE LESSONS

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Annotation: This paper explores the effectiveness of using artificial intelligence (AI) technologies in English language teaching, focusing on their impact on learners' language acquisition and overall improvement of education quality.

Keywords: artificial intelligence, chatbot, virtual assistants, lessons, educational process

INTRODUCTION

In today's era of globalization, the application of modern technologies is rapidly advancing across all sectors. Implementing technologies in practice has become a demand of the times. It would not be an exaggeration to say that modern technologies have become a cornerstone of daily life since their integration into human activities. Recently, the role of artificial intelligence (AI), which we frequently hear about and utilize, its significance in human life, the fields where it is most commonly applied, and the primary goals behind its development have become topics of discussion.

Artificial Intelligence (AI) has been rapidly evolving in recent years, revolutionizing various fields. Its capabilities extend from everyday life to medicine, industry, business, and even creative processes. AI refers to intelligent systems capable of performing logical and creative functions akin to human cognition. The term also applies to any technology that exhibits characteristics associated with human intelligence, such as learning and problem-solving.

The ideal characteristic of AI is its ability to evaluate and execute actions that offer the best opportunity to achieve a specific goal. Currently, AI consists of algorithms and software systems designed to perform various tasks, many of which it can accomplish more efficiently than the human mind. While scientists approach AI experimentation with enthusiasm, many people remain cautious about this phenomenon. Even Tesla CEO Elon Musk has described it as a "fundamental threat" to humanity and a potential source of conflict and unemployment.

LITERATURE REVIEW AND METHODOLOGY

In recent years, Uzbekistan has been implementing programmatic measures to introduce AI systems. Specifically, the “Development Strategy of New Uzbekistan for 2022–2026” outlines clear tasks for developing the “Strategy for the Development of Artificial Intelligence Technologies for 2023–2030” to successfully implement AI in the country. These measures emphasize the need to further activate digitization processes in the republic. Additionally, the New Uzbekistan Strategy highlights the importance of introducing modern information technologies, including AI, to combat corruption, digitize the judicial system, and develop mechanisms for integrating AI systems. In short, there is a need for scientific research to gradually incorporate AI systems into the legislative framework of the judicial and legal sectors based on practical requirements.

In the modern world, significant emphasis is placed on learning foreign languages, as they open wide opportunities for communication, intercultural exchange, and professional growth. Proficiency in a foreign language broadens worldviews, enhances social and cultural adaptability, and increases competitiveness in the job market. AI, in turn, plays a significant role in education, contributing substantially to students’ learning and development processes. With the continuous advancement of AI technologies, it is possible to create innovative educational platforms that enhance the efficiency and accessibility of learning.

This article emphasizes the importance of using modern technologies in the educational process, particularly how AI can be utilized in teaching English, opening new prospects for both students and teachers.

With the development of AI technologies, their application in teaching foreign languages has become more extensive and effective. AI impacts language learning in several ways. It enables the creation of personalized learning materials and tasks tailored to each student’s knowledge level, needs, and learning pace. Through machine learning algorithms and data analysis, AI systems can identify students’ weaknesses and offer relevant learning materials to enhance their skills.

One of the key innovations in teaching English is the use of chatbots for conversational practice. Chatbots are AI programs capable of interacting with users in natural language. With their assistance, students can improve their English communication skills and practice grammar and vocabulary in real time. Interacting with chatbots allows learners to practice various aspects of the language, providing a convenient and effective way to develop their English communication skills.

Another significant technological advancement in teaching English is the use of virtual assistants for pronunciation practice. With the help of specialized programs and devices, students can receive feedback from virtual assistants, allowing them to practice pronunciation and intonation. This aids in improving phonetic skills and elevates pronunciation learning to a new level of accuracy and comprehension. Virtual assistants enable students to personalize their practice and work on eliminating pronunciation errors.

By utilizing machine learning methods in English language instruction, students can enhance their writing skills. Machine learning algorithms can automatically analyze students’ written work, identify grammatical errors, and suggest corrections. This approach not only simplifies error correction for teachers but also allows students to independently improve their writing skills, receiving quick and high-quality feedback on their work.

RESULTS

The use of artificial intelligence (AI) in language teaching makes education more accessible for various user groups. Thanks to online platforms, chatbots, and virtual assistants, students can access education regardless of their location, time, or financial resources. This significantly expands language learning opportunities and makes it more convenient for people worldwide.

However, the use of AI in education also raises concerns regarding data privacy and ethical issues. Collecting and analyzing student data may spark worries about protecting personal information and the potential misuse of such data. To prevent possible privacy breaches, it is crucial to develop robust privacy policies and ensure the security of users' personal information. Additionally, the ethical aspects of using AI in education must be considered to ensure fairness, transparency, and safety in the learning process. One of the prospects for developing and applying AI in English language teaching is the creation of innovative platforms capable of analyzing English texts, highlighting key ideas, assisting students in understanding the meaning of phrases, and connecting information from various sources. This approach enables students to quickly grasp language nuances and better understand English grammar.

DISCUSSION

In the future, AI will be integrated into various aspects of the educational process, finding broader applications in teaching. This will facilitate the creation of more flexible educational programs tailored to each student's needs. AI technologies will be used to develop interactive learning materials, virtual assistants, online courses with unique teaching methods, and numerous other innovations that enhance the quality of education.

Unlike traditional lessons, the learning process powered by AI is more engaging and effective. Instead of tedious written words and phrases on paper, vocabulary is learned in an interactive format. Learning with AI is never dull, as its ability to constantly vary activities prevents distraction and helps maintain focus on the lesson. Algorithms that consider factors such as initial knowledge levels, prior experience, information comprehension quality, and the degree of material mastery allow content to be precisely tailored to the learner. Based on this statistical data, the learning format is selected—students can engage in creative tasks or follow a more familiar program.

In the process of learning a foreign language, AI enables full or partial automation and comprehensive analysis of all processes—from selecting a teacher to specific tasks, checking homework, and automatically assigning exercises for review and reinforcement if they were not completed correctly the first time.

Through AI implementation, classes gain a clear structure, and the progress of students at all levels can be tracked—by the student, the teacher, or the student's mentor. Everyone can access statistical data and help the student achieve better results. For instance, vocabulary and grammar skills are practiced through interactive tasks: vocabulary exercises such as assembling words from fragments, writing the correct option, or selecting the appropriate variant, with all words accompanied by images, audio, and translations. Working with AI is also highly beneficial for enhancing teachers' qualifications, as the program allows tracking why the teaching plan is being adjusted, which factors are considered, and

what achievements the student is making. While emotional factors may influence a teacher—after all, we are all human—and lead to overlooking something or underestimating or overestimating participants' knowledge and abilities, AI performs this objectively, aligning with the participants' knowledge levels, capabilities, and interests.

However, as appealing as the idea of fully automating the educational process may be, it remains impractical for at least the next decade for several reasons. First, in the educational process, a teacher is not only a conveyor of information but also a mentor who fosters a sense of responsibility in students. For humans, developing appropriate responses to various life situations is easier than for a machine, which selects the correct action not intuitively but by analyzing thousands of possible options. Therefore, AI should be viewed as an effective assistant that supports high-quality analysis and personalization of the educational process.

Second, we must not forget that AI is highly trainable, but it can learn both positive and negative behaviors, so its influence on students must be strictly limited. Moreover, if the learning process is not supervised, the question arises: who will be responsible for AI errors that could harm not only the mastery of the curriculum but also the student's purely human qualities? After all, one of the individuals shaping our personality and our attitudes toward certain things and events, significantly influencing our worldview, is the teacher.

CONCLUSION

Thus, the use of information and communication technologies in foreign language teaching significantly improves learning outcomes, unlocks the potential of the educational process and the learner's personality, expands the didactic possibilities of lessons, and greatly facilitates the teacher's work.

AI technologies hold significant importance in modern society. Their unique characteristics are advancing scientific and technological development to a new stage. At the same time, attention must be paid to safety and ethical issues related to AI. In the future, the development of these technologies can help address many challenges facing humanity. The ideas presented in this article can be applied to the development of AI and the creation of new opportunities through its use.

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