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THE IMPACT OF ARTIFICIAL INTELLIGENCE ON THE PROCESS OF LEARNING ENGLISH

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Abstract: In our modern era, artificial intelligence has rapidly transformed in many fields: medicine, business and marketing, entertainment including education. In the sector of English language learning AI-driven tools have significantly enhanced language acquisition processes. This article examines the impact of AI on English language learning, highlighting its benefits, challenges, and future implications. The study argues that while AI offers personalized learning experiences, immediate feedback, and increased accessibility, careful pedagogical integration and ethical considerations remain essential for sustainable and effective implementation.

Key words: artificial intelligence, english language learning, adaptive learning, educational technology, natural language processing.

Аннотация: В современную эпоху искусственный интеллект стремительно развивается и оказывает значительное влияние на такие сферы, как медицина, бизнес и маркетинг, индустрия развлечений и образование. В области изучения английского языка инструменты, основанные на искусственном интеллекте,

существенно улучшили процесс овладения языком. В данной статье рассматривается влияние искусственного интеллекта на обучение английскому языку, а также анализируются его преимущества, существующие трудности и перспективы дальнейшего развития. Исследование утверждает, что, несмотря на возможности персонализированного обучения, оперативной обратной связи и расширения доступа к образовательным ресурсам, для эффективного и устойчивого внедрения ИИ необходимо учитывать педагогические подходы и этические аспекты.

Ключевое слово: искусственный интеллект, изучение английского языка, адаптивное обучение, образовательные технологии, обработка естественного языка.

Annotatsiya: Zamonaviy davrda sun'iy intellekt tibbiyot, biznes va marketing, ko'ngilochar soha hamda ta'lim kabi ko'plab yo'nalishlarda tez sur'atlar bilan rivojlanib, katta o'zgarishlarga sabab bo'lmoqda. Ingliz tilini o'rganish sohasida ham sun'iy intellektga asoslangan vositalar tilni o'zlashtirish jarayonini sezilarli darajada takomillashtirdi. Ushbu maqolada sun'iy intellektning ingliz tilini o'rganishga ta'siri tahlil qilinadi, uning afzalliklari, mavjud muammolari va kelajakdagi istiqbollari yoritib beriladi. Tadqiqot shuni ko'rsatadiki, sun'iy intellekt o'quvchilarga individual yondashuv, tezkor fikr-mulohaza hamda kengroq imkoniyatlar yaratib berishi bilan ahamiyatlidir. Biroq uni samarali va barqaror qo'llash uchun pedagogik jihatdan to'g'ri integratsiya hamda axloqiy masalalarga e'tibor qaratish muhim hisoblanadi.

Kalit so'zlar: sun'iy intellekt, ingliz tilini o'rganish, moslashuvchan ta'lim, ta'lim texnologiyalari, tabiiy tilni qayta ishlash.

The rapid growth of digital technologies has significantly transformed education in the twenty-first century. Among these technologies, artificial intelligence (AI) has gained particular attention due to its potential to revolutionize teaching and learning processes. Artificial intelligence refers to computer systems that can perform tasks that typically require human intelligence, such as learning, reasoning, language processing, and decision-making.

Education systems around the world are increasingly integrating AI technologies into teaching environments. Language education, in particular, has benefited from these innovations. English language learning has become a global necessity due to the widespread use of English in international communication, academic research, business transactions, and digital communication. As a result, millions of learners across the world seek effective methods to improve their English language proficiency.

Traditional language learning approaches often rely on teacher-centered instruction, textbooks, and classroom practice. While these methods have proven effective over time, they also have certain limitations. Teachers may struggle to provide individual attention to each student, and learners may receive delayed feedback on their progress. In addition, classroom time constraints often limit opportunities for speaking practice and personalized instruction.

Artificial intelligence offers new opportunities to address these challenges. AI-powered learning platforms can analyze large amounts of learner data, identify individual learning patterns, and provide personalized learning experiences. Such systems are capable of adapting instructional materials according to learners' abilities and preferences. In recent years, AI-driven applications such as intelligent tutoring systems, language learning apps, and automated writing assistants have become widely used by students and educators. This article examines how artificial intelligence is influencing English language learning. It explores the educational benefits of AI, identifies challenges related to its implementation, and discusses future directions for AI-assisted language learning.

The integration of artificial intelligence in education has attracted significant attention from researchers. Numerous studies have examined the potential of AI technologies to support learning processes and improve educational outcomes. Holmes, Bialik, and Fadel (2019) highlight that artificial intelligence can transform education by providing adaptive learning systems that personalize instruction according to students' needs. These systems analyze learners' performance data and adjust learning materials accordingly, ensuring that students receive appropriate levels of difficulty and support. Luckin et al. (2016) argue that AI has the potential to enhance both teaching and learning by assisting educators with administrative tasks, assessment, and student monitoring. According to their research, intelligent systems can support teachers by providing insights into students' learning behaviors and identifying areas that require additional attention.

Zawacki-Richter et al. (2019) conducted a systematic review of artificial intelligence applications in higher education. Their findings show that AI technologies are increasingly used for adaptive learning, automated assessment, and intelligent tutoring systems. These tools provide learners with immediate feedback and facilitate self-regulated learning. In the field of language learning, Godwin-Jones (2018) notes that emerging technologies, including artificial intelligence and natural language processing, are reshaping language education. AI-based systems enable learners to practice language skills independently and

receive personalized feedback on pronunciation, grammar, and vocabulary usage.

Recent studies also emphasize the importance of Natural Language Processing (NLP) in language education. NLP technologies allow computers to understand and analyze human language, making it possible to evaluate written texts and provide grammatical corrections. Writing support tools and conversational AI systems rely heavily on NLP algorithms. Overall, the literature indicates that artificial intelligence has the potential to improve language education by providing personalized instruction, interactive learning environments, and efficient assessment systems. However, researchers also warn that technological innovations must be carefully integrated into pedagogical frameworks. Artificial intelligence contributes to English language learning in several ways. One of the most important roles of AI is the ability to provide personalized learning experiences. AI-based learning systems collect data about learners' progress and adjust instructional content accordingly. For example, if a learner struggles with grammar exercises, the system may provide additional explanations and practice activities.

Adaptive learning technologies are particularly useful in language education because learners often have different levels of proficiency. Some students may require more practice in vocabulary development, while others may focus on improving their speaking skills. AI systems allow each learner to progress at their own pace, which improves learning efficiency.

Another important application of AI is speech recognition technology. Speaking and pronunciation are among the most challenging aspects of learning a foreign language. AI-powered speech recognition systems analyze learners' pronunciation and provide feedback on stress, intonation, and articulation. This allows students to practice speaking independently without the constant presence of a teacher. AI chatbots also play a significant role in language learning. These systems simulate human conversations and allow learners to practice communication skills in a safe environment. Students can engage in dialogues, ask questions, and receive responses that mimic real-life interactions. This practice helps learners build confidence and develop conversational fluency.

In addition, AI-based writing assistants help learners improve their writing skills. These tools analyze grammar, vocabulary usage, and sentence structure. They provide suggestions for improving clarity and correctness, allowing learners to refine their writing over time. One of the most significant advantages of artificial intelligence in language education is accessibility. AI-powered learning platforms allow learners to access educational materials anytime and anywhere. This flexibility is

especially beneficial for students who live in remote areas or who do not have access to qualified language teachers. AI technologies also promote learner autonomy. Students can independently practice language skills, complete exercises, and monitor their progress through detailed analytics. Many learning platforms include dashboards that display performance statistics, helping learners identify their strengths and weaknesses. Another important advantage is increased learner motivation. Many AI-based platforms incorporate gamification elements such as points, badges, and levels. These features create an engaging learning environment that encourages students to continue studying.

Artificial intelligence also benefits teachers by reducing administrative workload. Automated grading systems can evaluate quizzes, assignments, and tests quickly and accurately. As a result, teachers can devote more time to interactive teaching and student support. Furthermore, AI systems can provide continuous feedback. Immediate feedback helps learners correct mistakes promptly and reinforces learning. In traditional classroom settings, feedback may be delayed due to time constraints. Despite its numerous advantages, the integration of artificial intelligence in language learning also presents several challenges. One of the primary limitations is the lack of emotional intelligence in AI systems. Human teachers provide emotional support, encouragement, and cultural understanding, which are essential components of language education. Another challenge is the potential overreliance on AI technologies. If learners depend too heavily on automated tools for grammar correction or translation, they may become less capable of developing independent language skills.

Data privacy is another significant concern. AI-based learning platforms collect large amounts of personal data in order to personalize learning experiences. Protecting this information and ensuring ethical use of data are essential responsibilities for educational institutions and technology providers. Technological inequality also remains an issue. In many developing regions, access to reliable internet connections and modern digital devices is limited. This digital divide may prevent some learners from benefiting fully from AI-based educational tools. The future of artificial intelligence in English language learning appears promising. Advances in machine learning, natural language processing, and speech recognition technologies will likely lead to more sophisticated educational tools. Future AI systems may provide highly accurate language assessments and predictive analytics that identify potential learning difficulties. Virtual reality and augmented reality technologies combined with AI could create immersive language learning environments where learners interact with realistic scenarios. AI may also assist teachers through intelligent analytics systems that provide

insights into student progress. Such systems could help educators design more effective instructional strategies and personalize classroom activities.

However, successful implementation requires a balanced approach. Artificial intelligence should complement traditional teaching methods rather than replace human educators. Teachers remain essential for guiding learners, fostering creativity, and encouraging critical thinking.

Artificial intelligence has become an influential force in modern education, particularly in the field of English language learning. AI technologies enable personalized learning experiences, provide immediate feedback, and increase access to educational resources. While AI offers many advantages, it also presents challenges related to ethics, data privacy, and technological dependence. Therefore, educators must integrate AI tools carefully within pedagogical frameworks. Ultimately, artificial intelligence should be viewed as a supportive educational resource rather than a replacement for human teachers. By combining AI technologies with traditional teaching methods, educational institutions can create more effective and engaging learning environments for students worldwide.

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Annotatsiya: Ushbu maqolada o'zbek zamonaviy she'riyatining kuychisi Shavkat Rahmon ijodiyotiga oid ijtimoiy o'xshatishlar va falsafiy qarashlarning ifodasi, tabiat obrazi bilan verballashuvi, o'xshatish konseptlarining badiiy tahlili “Saylanma” to'plamidagi she'rlar orqali yoritilgan. Falsafiy satrlarda jamiyatdagi ijtimoiy vaziyatlarga bo'lgan munosabat talqin etiladi.

Kalit so'zlar: Shavkat Rahmon, tabiat timsollari, ruhiy kechinmalar, borliq ruhining verballashuvi, ramzlar.

Annotation: this article examines the expression of social analogies and philosophical views in the work of the poet of modern Uzbek poetry Shavkat Rahmon, verbalization of the image of nature and artistic analysis of the concepts of analogy through poems from the collection “Saylanma”. In philosophical lines, the attitude towards social relations in society is interpreted.

Keywords: Shavkat Rahmon, images of nature, spiritual experiences, verbalization of the spirit of being, symbols.

Аннотация: В данной статье исследуется выражение аналогий и философских взглядов, вербализация с помощью образа природы, а также художественный анализ концепций аналогии в творчестве поэта современной узбекской поэзии Шавката Рахмона на примере стихотворений из сборника «Saylanma». Философские строки интерпретируют отношение к социальным ситуациям в обществе.

Ключевые слова: Шавкат Рахмон, образы природы, духовные переживания, вербализация духа бытия, символы.

Iste'dodli shoir Shavkat Rahmon o'zining she'riyatida qiyosiy-chog'ishtirma uslubga katta e'tibor qaratadi. Shoirning qalamiga oid “Yurak qirralari”, “Abadiyat oralab” kabi to'plamlari orasida “Saylanma”si hayotlik chog'idagi eng so'nggi kitobidir. “She'riy satrlarning ko'p talqinlarda daraxt, g'oya, chinor, tog', suv quyosh, tuproq, tog', chumoli kabi tabiat bilan bog'liq o'xshatishlarning aks etishi esa o'zini hamisha tabiatning bir bo'lagi deya hisoblab qalam tebratgan