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**THE INFLUENCE OF ARTIFICIAL INTELLIGENCE IN TEACHING
ENGLISH AND LANGUAGE TRANSLATION**

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Annatasion: Artificial Intelligence (AI) is a field of computer science focused on creating systems capable of performing tasks that would normally require human intelligence. AI works by using a combination of algorithms, data processing, and computational models to solve problems, make decisions, and learn from experiences. Here's a breakdown of how AI works: 1. Data Collection- AI systems begin by collecting and processing large amounts of data. This data can come from various sources such as sensors, databases, the internet, or human interactions. The more relevant data an AI system can access, the better its performance can be. The introduction of Artificial Intelligence (AI) into educational systems has led to a remarkable shift in how we approach learning and teaching. With the capacity to emulate human intelligence, AI has already transformed multiple industries, including healthcare, transport, and entertainment. However, its application in education—especially in teaching English - remains one of the most fascinating and promising areas.

Açar sözlər: kompüter elmləri, alqoritmlər, məlumatların işlənməsi, məlumatlar, tətbiqlər

Key words: açar sözlər: computer science, algorithms, data processing, data, application

Ключевые слова: компьютерные науки, алгоритмы, обработка данных, данные, приложения

The introduction of Artificial Intelligence (AI) into educational systems has led to a remarkable shift in how we approach learning and teaching. With the capacity to emulate human intelligence, AI has already transformed multiple industries, including healthcare, transport, and entertainment. However, its application in education—especially in teaching English—remains one of the most fascinating and promising areas. This article will examine how AI is revolutionizing English education, its benefits and drawbacks, and the future opportunities it presents. AI has become an integral part of language learning, particularly in teaching English. As the most commonly spoken language worldwide, English is often learned as a second language (ESL) in many countries. However, the process of learning English, with its intricate grammar, vocabulary, pronunciation, and cultural differences, can be quite overwhelming for non-native speakers. AI helps make this process more approachable and engaging by providing dynamic, personalized feedback and learning experiences that adapt to the learner's individual needs.

AI-Driven Language Learning Tools

One of the most popular ways AI is being used in English language teaching is through apps and online tools such as Duolingo, Babbel, and Rosetta Stone. These platforms leverage AI algorithms to design personalized lessons that cater to a learner's proficiency level, preferred learning style, and pace. For instance, Duolingo uses AI to build individualized lessons for each user. It continuously assesses the learner's progress, identifies areas where they may be struggling, and modifies the difficulty level of upcoming lessons to match the learner's ability. This adaptive learning technique ensures that students remain engaged and sufficiently challenged without feeling overwhelmed.

Similarly, other platforms like Babbel and HelloTalk use AI to enhance speech recognition, helping learners practice pronunciation and providing them with real-time feedback. These tools also track users' progress, predicting what learning needs will arise next, making the process both efficient and personalized. Intelligent Tutoring Systems (ITS) represent another use of AI. These systems simulate a one-on-one teaching experience by providing students with personalized instruction. They adjust the difficulty of exercises in real time based on the learner's performance, providing tailored lessons in grammar, vocabulary, and reading comprehension. A notable example of such a system is "Socratic," developed by Google. It uses AI to analyze students' written or spoken input and provides targeted feedback, helping learners improve their language skills in a focused manner.

Mastering pronunciation is one of the most difficult tasks for non-native English speakers. Even with solid vocabulary and grammar knowledge, improper pronunciation can obstruct communication. AI-powered speech recognition tools, like ELSA Speak and Google Assistant, are helping learners address this challenge by comparing their spoken words to native English models and giving them feedback on aspects like stress, rhythm, and intonation. These tools provide immediate, actionable insights, allowing learners to practice and refine their pronunciation in real time.

Virtual Assistants and Chatbots: AI-driven chatbots and virtual assistants - such as those found in platforms like HelloTalk and Lingoda—have become a key part of language learning. These AI entities engage learners in conversations, either through text or voice, creating a highly interactive and immersive environment where users can practice English in real-world situations. Additionally, virtual assistants like Siri and Google Assistant are widely available on smartphones, providing users with the opportunity to practice English by issuing voice commands and receiving spoken responses in English.

Advantages of AI in English Learning: One of the primary benefits of AI in teaching English is its ability to personalize the learning experience. Traditional classroom teaching tends to follow a standardized curriculum, which may not cater to the diverse needs of all students. AI, in contrast, can be adapted to each individual learner's proficiency level, pace, and learning preferences, creating a more tailored and effective learning environment. AI tools are capable of analyzing a student's strengths and weaknesses and adjusting lessons to meet their unique needs. This results in more efficient learning and better language retention. Moreover, AI enables students to learn at their own pace, ensuring that those who need more time to grasp concepts aren't left behind, while those who advance more quickly can continue to progress without unnecessary repetition.

Another notable benefit is the flexibility offered by AI-based tools. Many of these platforms are available 24/7, enabling learners to practice whenever and wherever it's most convenient for them. This feature is especially helpful for students with irregular schedules or those living in areas where access to qualified English teachers may be limited. Online tutoring and language learning apps also allow for anytime learning, removing traditional barriers to education. Moreover, AI tools cater to learners at all levels, from beginners to advanced speakers, ensuring that students from various linguistic backgrounds can access quality language instruction.

AI-powered tools also enhance student engagement by making the learning process more interactive and gamified. For example, apps like Duolingo use points, levels, and rewards to motivate learners, encouraging them to stay invested in their studies. AI ensures that the content remains engaging by tailoring the lessons to the learner's interests and progress, ensuring that students are continually challenged in a stimulating way. Furthermore, the conversational nature of AI chatbots promotes active participation and engagement, as

learners can hold dynamic dialogues with virtual assistants, receiving personalized responses and experiencing real-life English conversations.

Conclusion

AI has already begun to transform the way English is taught, offering personalized learning experiences, real-time feedback, and more engaging tools for language acquisition. However, challenges remain, such as the absence of human emotional intelligence and concerns around data security. As AI technology improves, its role in education will continue to grow, creating even more opportunities for students to learn English in an effective and accessible way. Similarly, AI has revolutionized language translation by making it faster, cheaper, and more accurate. Despite its ongoing limitations, such as occasional misunderstandings of context or culture, future advancements in machine learning will likely bridge these gaps and enhance translation accuracy. Ultimately, AI will continue to play a significant role in breaking down language barriers, fostering global communication, and building a more interconnected world.

Ədəbiyyat

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ВЛИЯНИЕ ИСКУССТВЕННОГО ИНТЕЛЛЕКТА НА ПРЕПОДАВАНИЕ АНГЛИЙСКОГО ЯЗЫКА И ЯЗЫКОВОЙ ПЕРЕВОД

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Резюме

Искусственный интеллект (ИИ) — это область компьютерных наук, направленная на создание систем, способных выполнять задачи, которые обычно требуют человеческого интеллекта. ИИ работает с помощью сочетания алгоритмов, обработки данных и вычислительных моделей для решения проблем, принятия решений и обучения на основе опыта. Вот как работает ИИ: **Сбор данных** — системы ИИ начинают с того, что собирают и обрабатывают большие объемы данных. Эти данные могут поступать из различных источников, таких как датчики, базы данных, интернет

или взаимодействие с людьми. Чем более релевантными данными располагает система ИИ, тем лучше она может работать. Внедрение искусственного интеллекта (ИИ) в образовательные системы привело к значительным изменениям в подходах к обучению и преподаванию. Способность ИИ имитировать человеческий интеллект уже преобразовала множество отраслей, включая здравоохранение, транспорт и развлечения. Однако его применение в образовании — особенно в преподавании английского языка — остается одной из самых захватывающих и перспективных областей.

SÜNİ İNTELLEKTİN İNGİLİS DİLİNİN TƏDRİSİ VƏ DİL TƏRCÜMƏSİNƏ TƏSİRİ

dosent Kərimova Gülşən Bahadur qızı

Xülasə

Süni intellekt (SI)-bu, adətən insan zəkasını tələb edən tapşırıqları yerinə yetirə bilən sistemlərin yaradılmasına yönəlmiş kompüter elmləri sahəsidir. SI, problemləri həll etmək, qərar qəbul etmək və təcrübələrdən öyrənmək üçün alqoritmlərin, məlumatların işlənməsi və hesablama modellərinin birləşməsindən istifadə edir. SI necə işləyir: **Məlumat yığımı** - SI sistemləri böyük miqdarda məlumat toplayıb işləyərək başlayır. Bu məlumatlar müxtəlif mənbələrdən, məsələn, sensorlardan, verilənlər bazalarından, internetdən və ya insanlarla qarşılıqlı əlaqələrdən gələ bilər. SI sistemi nə qədər əlaqəli məlumatlara sahib olsa, bir o qədər yaxşı işləyə bilər. Süni intellektin (SI) təhsil sistemlərinə inteqrasiyası öyrənmə və tədris yanaşmalarında əhəmiyyətli dəyişikliklərə səbəb olub. İnsan zəkasını təqlid etmə qabiliyyətinə sahib olan SI artıq səhiyyə, nəqliyyat və əyləncə kimi bir çox sahəni dəyişib. Lakin onun təhsildə, xüsusilə ingilis dili tədrisində tətbiqi ən maraqlı və ümidverici sahələrdən biri olaraq qalır.

Rəyçi: Hümbətova Aytən

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