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THE ROLE OF ARTIFICIAL INTELLIGENCE IN PERSONALIZED ENGLISH LANGUAGE LEARNING

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Annotation

This article explores the role of artificial intelligence in personalized English language learning. In particular, it analyzes the capabilities of AI-based educational platforms in providing adaptive learning approaches tailored to learners' individual needs and abilities. The study theoretically examines the significance of artificial intelligence in increasing learner motivation, supporting independent learning, and enhancing the overall effectiveness of the learning process.

Keywords

artificial intelligence, personalized learning, English language, digital education, adaptive learning.

Annotatsiya

Mazkur maqolada ingliz tilini shaxsiylashtirilgan o‘rganishda sun’iy intellektning o‘rni yoritilgan. Xususan, sun’iy intellekt asosidagi ta’lim platformalarining o‘quvchilarning individual ehtiyojlari va imkoniyatlariga moslashish imkoniyatlari tahlil qilinadi. Tadqiqotda sun’iy intellekt texnologiyalarining ingliz tilini o‘rganishda motivatsiyani oshirish, mustaqil ta’limni rivojlantirish hamda o‘quv jarayonining samaradorligini ta’minlashdagi ahamiyati ilmiy-nazariy jihatdan asoslab berilgan.

Kalit so‘zlar

sun’iy intellekt, shaxsiylashtirilgan ta’lim, ingliz tili, raqamli ta’lim, adaptiv o‘qitish.

Аннотация

В данной статье рассматривается роль искусственного интеллекта в персонализированном обучении английскому языку. Анализируются возможности образовательных платформ на основе искусственного интеллекта по адаптации учебного процесса к индивидуальным потребностям и возможностям обучающихся. В исследовании научно-теоретически обосновывается значение технологий искусственного интеллекта в повышении мотивации, развитии самостоятельного обучения и обеспечении эффективности учебного процесса.

Ключевые слова

искусственный интеллект, персонализированное обучение, английский язык, цифровое образование, адаптивное обучение.

INTRODUCTION

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In the context of globalization, proficiency in the English language has become a crucial factor in an individual's educational, professional, and social development. However, traditional teaching methods often fail to fully address the diverse needs and learning capacities of all learners, leading to various challenges within the education system. At this point, the concept of personalized learning has gained significant importance.

In recent years, the rapid development of artificial intelligence technologies has introduced new opportunities into the field of education. AI-based programs and platforms enable the creation of learning environments tailored to learners' knowledge levels, learning pace, and interests. This article discusses the theoretical and practical significance of artificial intelligence in personalized English language learning.

1. THE CONCEPT AND ESSENCE OF PERSONALIZED LEARNING

Personalized learning is a pedagogical approach aimed at adapting the educational process to each learner's individual characteristics, knowledge level, and learning style. In this model, the teacher does not merely act as a transmitter of knowledge but rather as a facilitator and guide.

Personalized learning is particularly important in English language education because learners differ in terms of phonetic abilities, vocabulary range, and grammatical competence. Artificial intelligence makes it possible to organize the learning process by taking these differences into account.

2. ARTIFICIAL INTELLIGENCE AND EDUCATIONAL TECHNOLOGIES

Artificial intelligence refers to a set of technologies that enable computer systems to perform processes such as analysis, learning, and decision-making, which are characteristic of human cognition. In education, artificial intelligence is widely used through adaptive learning systems, automated assessment tools, virtual assistants, and speech recognition technologies.

In English language learning, artificial intelligence:

identifies learners' errors,

recommends individualized exercises,

analyzes the learning process,

monitors learners' progress and development dynamics.

3. PRACTICAL APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN ENGLISH LANGUAGE LEARNING

AI-based platforms contribute to the comprehensive development of learners' listening, speaking, reading, and writing skills. For instance, speech recognition technologies play a significant role in correcting pronunciation and improving speaking accuracy.

Moreover, AI-powered chatbots create a simulated communicative environment for learners, allowing them to practice real-life conversations. This, in turn, enhances learners' communicative competence and confidence in using the language.

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4. ENHANCING MOTIVATION AND INDEPENDENT LEARNING

Artificial intelligence plays an important role in increasing learners' motivation in English language learning. Tasks developed on the basis of individualized approaches prevent learners from losing interest and encourage continuous self-improvement.

Additionally, artificial intelligence significantly contributes to the development of independent learning. Learners can acquire knowledge at their own pace and according to their personal schedules, which promotes lifelong learning skills.

5. CHALLENGES AND LIMITATIONS

Alongside its advantages, AI-based educational systems also have certain limitations. These include excessive dependence on technology, reduced face-to-face interaction, and limited technical resources. Therefore, the integration of artificial intelligence into education should be carefully planned and balanced with traditional teaching methods.

CONCLUSION

In conclusion, artificial intelligence has emerged as an important pedagogical and technological tool in personalized English language learning. It serves to improve the quality of education, unlock learners' individual potential, and organize the learning process more effectively. When applied appropriately, artificial intelligence can significantly enhance the outcomes of English language education.

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