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ОБУЧЕНИЕ АНГЛИЙСКОМУ ЯЗЫКУ ПОСРЕДСТВОМ АНАЛОГОВЫХ ТЕХНОЛОГИЙ, ПОДДЕРЖИВАЕМЫХ ИСКУССТВЕННЫМ ИНТЕЛЛЕКТОМ

В статье рассматривается вопрос о том, как аналоговые технологии, поддерживаемые искусственным интеллектом, способствуют эффективности обучения английскому языку через персонализацию обучения. Анализ преимуществ отражает потенциал данных технологий в обучении английскому языку.

Ключевые слова: искусственный интеллект в образовании; изучение языка; аналоговые технологии; обучение английскому языку; персонализированное обучение; инновации в образовании.

ENHANCING ENGLISH LANGUAGE TEACHING THROUGH AI-ENABLED SIMULATION TECHNOLOGIES

This issue explores how AI-enabled simulation technologies enhance English language teaching by offering personalized learning. The benefits for effective implementation are analyzed, highlighting the transformative potential for language education.

Key words: AI in Education; language learning; simulation technologies; English teaching; personalized learning; educational innovation.

Artificial intelligence (AI) has brought major changes to how we teach languages. Traditional English teaching methods, focusing on memorization and repetition, often don't keep students interested or address their varied learning needs [1, p. 72]. These methods are too rigid and don't effectively build real-world language skills. In contrast, AI-powered simulations create a new path. They offer engaging, real-life-like environments for language learning [2, p. 35]. Using advanced algorithms, these technologies adjust to each learner's style and give personalized feedback, making language learning more effective.

AI technologies are becoming a key part of language learning, allowing for personalized education that wasn't possible before [3, p. 14]. These systems use machine learning to watch how learners perform, changing exercises based on each person's skill level. This means learners can move forward at their own speed, focusing on what they need to improve while strengthening their skills [4, p. 97]. AI-powered simulations offer real-world cultural and language experiences, helping learners practice speaking, listening, and understanding in settings that mimic real life [5, p. 228]. These immersive experiences are crucial for building language skills and cultural understanding.

The integration of AI simulations in English language teaching offers major benefits in boosting engagement and motivation [6, p. 183]. By providing interactive and game-like content, these technologies make learning fun and educational, which encourages students to keep learning actively [7, p. 45]. They also deliver instant feedback, helping learners quickly identify and fix mistakes, speeding up the learning process [8, p. 321]. Additionally, simulations create a safe space for practicing language skills without the worry of serious errors, building learners' confidence and proficiency.

Bringing AI into language education presents several challenges. One main issue is the digital divide; not all students have access to technology, which can widen educational gaps [9, p. 55]. Teachers also need technical skills to use AI effectively, requiring extensive training programs [10, p. 134]. Furthermore, ethical concerns arise regarding student data privacy and the potential for over-dependence on AI, which could diminish the essential human touch in teaching [11, p. 209].

Strategic planning is crucial for effectively integrating AI simulations into English language teaching. Educational institutions need to invest in the necessary technological infrastructure to make AI tools accessible to all students [12, p. 92]. Training workshops should be designed to help teachers grasp both the potential and limits of AI, enabling thoughtful and effective use [13, p. 67]. Moreover, policymakers should involve stakeholders in creating guidelines that safeguard student data privacy while fostering innovation [14, p. 163]. Collaboration among educators, technologists, and policymakers is essential to create adaptable, scalable models suitable for various educational settings.

AI simulations have the power to revolutionize English language teaching by providing dynamic and personalized learning experiences. While issues like access, technical skills, and ethics pose challenges, thoughtful integration into curricula can greatly enhance language education. Future research should examine the long-term effects of AI on language proficiency and explore innovations like

deep learning for further advancements. By cultivating partnerships between tech developers and educators, we can create a future where AI enhances, rather than just complements, traditional teaching methods.

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