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INTEGRATING ARTIFICIAL INTELLIGENCE INTO TEACHING SPEAKING SKILLS

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Annotation: This study explores how Artificial Intelligence platforms, especially Generative AI (GAI), can be integrated into language teaching to enhance students' speaking skills. The research highlights how tools such as Replika, TalkPal, Kialo Edu, and others support personalized, interactive, and reflective learning environments when combined with the ABC Learning Design framework.

Keywords: AI in education, speaking skills, ABC Learning Design, language learning, conversational AI.

Аннотация: В данном исследовании рассматриваются возможности интеграции платформ искусственного интеллекта, в частности генеративного ИИ (GAI), в процесс преподавания языков с целью развития разговорных навыков студентов. Исследование подчеркивает, как такие инструменты, как Replika, TalkPal, Kialo Edu и другие, способствуют созданию персонализированной, интерактивной и рефлексивной образовательной среды при сочетании с моделью ABC Learning Design.

Ключевые слова: ИИ в образовании, разговорные навыки, ABC Learning Design, изучение языков, разговорный ИИ.

Annotatsiya: Ushbu tadqiqotda sun'iy intellekt platformalarini, ayniqsa generativ sun'iy intellekt (GAI) texnologiyalarini til o'qitish jarayoniga integratsiyalash orqali talabalarining og'zaki nutq ko'nikmalarini rivojlantirish imkoniyatlari o'rganiladi. Tadqiqotda Replika, TalkPal, Kialo Edu kabi vositalar ABC o'quv dizayn modeli bilan uyg'unlashtirilgan holda shaxsiylashtirilgan, interaktiv va tahliliy o'rganish muhiti yaratishga qanday yordam berishi yoritib berilgan.

Kalit so'zlar: ta'limda sun'iy intellekt, og'zaki nutq ko'nikmalari, ABC o'quv dizayni, til o'rganish, dialogli sun'iy intellekt.

Introduction

The integration of Artificial Intelligence (AI) into modern education has significantly transformed language learning, particularly in developing speaking skills in English. Unlike traditional methods, AI tools offer personalized, self-paced, and flexible learning environments accessible from any location. Conversational AI platforms such as Duolingo, TalkPal, Replika, and others have enabled learners to practice speaking skills





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independently and interactively. This study explores how AI-based tools, especially Generative AI (GAI), enhance the acquisition of speaking skills, emphasizing interactivity, personalization, and learner autonomy.

Methods

Various AI platforms were integrated into lesson plans using ABC Learning Design (Acquisition, Investigation, Discussion, Collaboration, Practice, and Production). Instruments included GAI tools (e.g., Replika, TalkPal, Cake, Elsa Speak, Speechace, and Kialo Edu), applied through language teaching methodologies such as the communicative approach, task-based learning, audio-articulatory methods, and reflective practice.

Results

The integration of AI platforms positively impacted students' speaking skills. TalkPal improved fluency, pronunciation, and confidence, with measurable improvements in test scores. Replika provided a stress-free, reflective conversational environment, encouraging learners to express themselves more freely. Kialo Edu fostered structured, argument-based expression, preparing students for debates and oral presentations. The use of Cake, ELSA Speak, and Speechace significantly enhanced learners' pronunciation accuracy, intonation, and immediate feedback processing.

Discussion

The findings align with Diana Laurillard's Conversational Framework and suggest that GAI tools foster interactive, personalized, and reflective learning experiences. Integrating ABC methodology with AI platforms transforms passive learning (e.g., listening, reading) into active dialogue, enhancing students' communicative competence. Teachers noted increased autonomy and motivation among students when using AI agents. Moreover, blending AI with ABC activities promoted task-based learning, collaboration, and critical thinking.

Conclusion

AI-based platforms, when effectively integrated into language instruction through structured methodologies like ABC Learning Design, demonstrate high potential in enhancing speaking skills. Tools such as Replika, TalkPal, and Kialo Edu support learners not only in pronunciation and fluency but also in confidence, creativity, and critical thinking.

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