

## ARTIFICIAL INTELEGENCE IN TEACHING ENGLISH LANGUAGE

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### **Absract**

This article explores the significant impact of artificial intelligence (AI) on education, particularly in the field of English language learning. By exploring current advances in artificial intelligence technology, including natural language processing and machine learning algorithms, the article highlights how AI-based tools and applications are revolutionizing the way English is taught and learned. In addition, the article discusses potential challenges and ethical considerations associated with the integration of AI into education, emphasizing the importance of responsible and inclusive implementation. Overall, this article highlights the changing role of artificial intelligence in shaping the future of English language education, providing insight into its benefits, opportunities, and implications for students and teachers.

### **Keywords**

Artificial intelligence, duolingo, language assessment, content, language teaching and learning competence.

**Introduction:** In the developing era, artificial intelligence is also becoming a part of human life and is widely used in many fields. Artificial intelligence was founded as an independent scientific field in 1956, and in the summer of that year, the term “artificial intelligence” was first used by John McCarthy at a conference at Dartmouth College and went down in history as the author of this term. Artificial intelligence is used in education, among language learners, in surgical operations, in controlling and preventing collisions, and in preventing various crimes. In recent years, artificial intelligence has been widely used in education and among language learners. The role of artificial intelligence in education is incomparable. It helps to improve the quality of education and improve communication between teachers and students. In addition, AI makes learning more convenient and engaging. Each student has the opportunity to independently learn a subject through AI.

Artificial intelligence (hereinafter referred to as AI) plays several roles in education:

-Personalized learning: AI can adapt learning materials and pace to individual student needs and learning styles, providing a personalized learning experience.

-Intelligent tutoring systems: AI-powered tutoring systems provide students with immediate feedback and guidance, helping them understand difficult concepts and improve their skills.

-Virtual assistants: Virtual assistants powered by AI can help both students and teachers by answering questions, providing notes, and providing guidance on courses and assignments.

-Administrative automation: AI can streamline administrative tasks such as grading, scheduling, and record keeping, freeing up teachers' time to focus on teaching and advising students.

-Accessibility: AI technologies can make education more accessible to students with disabilities by providing text-to-speech, speech recognition, and other accommodation tools.

-Language learning: AI-powered language learning platforms can provide interactive lessons, pronunciation feedback, and language practice exercises tailored to the needs of individual students.

Overall, AI has the potential to advance education by making learning more personalized, convenient, and effective. AI is also playing an important role in English language teaching and independent learning. Various platforms for teaching English, such as Duolingo, Englishclass, Memrise, BBC Learning English, Lingoda, are built on the basis of artificial intelligence. This makes learning easier and more interesting. For example, the Duolingo platform currently covers many language learners, and they learn the language through this platform in a simple way.

Duolingo (duolingo) is an online project for independent language learning (launched in June 2012). The idea for its development and creation came from the American professor Louis von Andan. The essence of this project is to teach people a language for free and help them with their translation work. Currently, 70% of the information on the Internet is in English. The main purpose of this project is to teach language learning, which allows you to find information in other languages that you cannot find in your native language.

Some of the main advantages of learning English through artificial intelligence are:

-Language learning applications. AI-powered language learning apps offer a personalized learning experience that is tailored to individual needs, offering exercises, feedback, and feedback tracking.

-Language Assessment. AI can assess students' language proficiency through automated tests, speaking, and writing assessments, helping students understand their strengths and areas for improvement.

-Language Translation. AI facilitates language translation, helping students understand English texts by providing instant translations into their native language and vice versa.

-Chatbots and virtual tutors. AI-powered chatbots and virtual tutors engage learners in English conversation practice, providing instant feedback and guidance.

-Content selection. AI algorithms recommend relevant English learning materials such as articles, videos, podcasts, and quizzes based on learners' interests and proficiency levels.

-Accent reduction. AI tools help learners improve their pronunciation and reduce accents through voice recognition technology and targeted feedback.

Overall, AI increases the effectiveness and accessibility of English learning by providing personalized, interactive, and adaptive experiences. In today's advanced world, knowing English has become a key skill and has opened up countless opportunities in education and communication. As technology continues to advance, the integration of Artificial Intelligence (AI) has revolutionized the process of learning English, making it more convenient, personalized, and effective than ever before.

AI-powered platforms use machine learning algorithms to analyze students' strengths, weaknesses, and learning styles. By understanding individual needs, AI can tailor learning materials, exercises, and assessments to suit each learner's pace and style. This personalized approach ensures that students receive targeted guidance and support, maximizing their language acquisition and retention. One of the most important benefits of AI in English learning is its ability to provide interactive language practice. Chatbots and virtual language assistants simulate real-life conversations, allowing students to engage in dialogue, receive instant feedback, and practice speaking and listening skills in a supportive environment. Through ongoing interaction, students develop confidence, fluency, and natural communication skills. Traditional language assessment methods often lack speed and specificity, making it difficult for students to identify and correct their mistakes. AI-powered feedback systems analyze student responses in real time and provide immediate and personalized feedback on grammar, pronunciation, vocabulary use, and more. By identifying areas for improvement, students can improve their language skills. With the help of AI, students have access to a wide range of authentic English resources, including articles, videos, podcasts, and news from around the world. AI algorithms tailor content based on students' interests,

proficiency levels, and learning goals, ensuring relevance and engagement. By immersing themselves in authentic language contexts, students improve their comprehension skills and expand their vocabulary.

AI-powered learning platforms offer learners the ability to learn anytime, anywhere, and at their own pace. Through mobile apps, web platforms, and smart devices, learners can access a wide range of learning resources, including lessons, quizzes, flashcards, and multimedia content. This flexibility accommodates a variety of study schedules and lifestyles, allowing learners to make consistent progress on their English language journey. Students should consider AI for language learning because it offers personalized learning experiences, real-time feedback, and access to vast amounts of language data and resources. AI-powered language learning platforms can adapt to individual learning styles, provide interactive exercises, and effectively track progress, making the language learning process more effective and enjoyable.

In conclusion, the application of AI in language learning presents a transformative opportunity for students around the world. By harnessing the power of AI-based platforms, students can access personalized learning experiences, real-time feedback, and a wide range of language resources. As technology continues to advance, so does the potential for AI to revolutionize language learning, making it more accessible, effective, and engaging for learners of all levels.

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