



AI INTEGRATION IN TEACHING ENGLISH LANGUAGE

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ABSTRACT

This article explores the integration of AI-powered language learning tools in English-language teaching, focusing on approaches and methods that transform learning into a personalized process and make teaching more efficient. It analyzes the contributions of AI in ELT, highlighting both the benefits and challenges that arise for educators and students. AI tools, such as chatbots, virtual tutors, automated grading systems, and interactive apps like NeurBot, Kahoot, and Tutoring, enhance not only subject knowledge but also pedagogical skills by providing real-time feedback and creating dynamic learning environments that address diverse linguistic needs. However, AI integration faces several challenges, including inadequate technological facilities and substandard digital infrastructure. This study emphasizes the importance of combining AI with traditional teaching methods, ensuring that teachers develop both proficiency and readiness for AI-supported instruction.

Introduction. Artificial Intelligence has become increasingly common across multiple domains and has the potential to revolutionize almost every aspect of human life, particularly the field of education. If we examine the history of AI, it is evident that the field began in the mid -20th century with foundational contributions from pioneers such as Alan Turing, John McCarthy, and Marvin Minsky. In today's world, it is almost impossible to imagine our life without AI and it has transformed the teaching and learning of foreign languages, especially English, enhancing the effectiveness of English Language Teaching (ELT). AI-based tools allow learners to improve all four language skills—reading, listening, writing, and speaking- more easily and efficiently, by providing personalized instructions, instant feedback, speech recognition-based improvement of pronunciation, virtual experiences, and access to engaging adoptive resources anytime and anywhere. As a result, AI plays pivotal role in modern language education, making learning more engaging, accessible and effective. With the goal of improving teachers' ability and knowledge to deliver high quality education, recent technological advancements have promoted the growing integration of AI and influencing language.

Artificial Intelligence (AI) is a technology that enables computers and machines to simulate human learning, comprehension, problem solving, decision making, creativity and

autonomy. Devices which are equipped with Ai can understand language, recognize images, play chess, write essays, poems and even love letters, it can generate music and hold conversations that sound natural. Moreover, they can make recommendations to users and experts by acting independently to replace the need for human intelligence or intervention.

“The history of AI in education began in 1965 when Stanford University used the first AI program, the Plato (Programmed Logic for Automated Teaching Operations) computer program. The PLATO computer program taught students the basic concepts of mathematics and science.” Robert F. Smith 2025

AI is transforming education by making both learning and teaching more efficient and easier. Students can benefit from personalized learning plans, while teachers save valuable time through automated grading and the development of online activities. Below we explore some common examples of how AI is being applied in education.

There are variety of digital applications that play a vital role in English language teaching and learning, with Grammarly being a prominent example. These tools enable learners to write accurately by correcting grammar mistakes and suggesting appropriate word choices in a second language. In addition to highlighting errors, they offer recommendations that enhance clarity, coherence, and overall effectiveness, thereby supporting learners in developing stronger writing skills.

Virtual tutors. Smart virtual tutors have reshaped the delivery of personalized feedback and educational support. Through advanced algorithms, they analyze each student's performance and adapt their guidance to individual needs. By addressing individual weaknesses, offering recommendations, and delivering timely feedback, AI tutors contribute to better academic outcomes, enhanced motivation and independent learning skills. Also, they reduce the burden on teachers by managing routine assessments and support tasks.

Chatbots. AI powered educational chatbots enhance language learning by allowing learners to practice communication with AI systems while receiving immediate feedback and comprehensive instructional support. Equipped with natural language processing, they deliver interactive exercises, vocabulary lists and grammar explanations for diverse proficiency levels. Successful use depends on teacher training programs, which help instructors integrate chatbots effectively and analyze learner experiences to improve engagement and usability.

Automated grading. Automated grading allows teachers to spend less time on repetitive tasks, giving them more time to plan engaging lessons, provide feedback, or interact with students individually. AI grading ensures unbiased evaluation, reducing human error or favoritism and it makes feasible to manage workloads efficiently without sacrificing assessment quality.

Gamification. To enhance student engagement and learning outcomes, educators are increasingly adopting gamification strategies in education. Game based elements, including points, badges, leaderboards, challenges and narratives, are integrated into instructional activities to make learning more interactive and stimulating. These tools can appeal to students' natural desire for achievement and competition, thereby increasing focus and commitment. By transforming traditional educational tasks into engaging experiences, gamification promotes a more effective and enjoyable learning environment.

Opportunities. There are myriad benefits of AI in education. The widespread accessibility of AI in ELT has made language learning more inclusive and engaging by leveraging adaptive platforms. AI tools introduce innovative ways to generate, develop, and evaluate creative ideas. ICT-materials provide students access numerous global resources, which is available anytime and anywhere, enabling them to experience diverse accents, cultures and authentic English usage. Furthermore these tools foster collaboration, teamwork and critical thinking, areas in which AI can play a key role. In addition AI offers significant advantages for English language teachers. It is highly convenient and time-efficient, as automated systems reduce the manual workload, involved in grading exams. This allows educators to dedicate more time to creative lesson planning and meaningful classroom interaction. Real-time feedback systems give learners immediate insights into their language use, by identifying errors in pronunciation and grammar and by suggesting more natural and idiomatic expressions. Moreover, AI-driven technologies offer features like text-to-speech, speech-to-text, and adjustable difficulty levels further enhance both teaching and learning processes.

Challenges. The integration of AI in English classrooms is not without difficulties. A key challenge is that many teachers are unfamiliar with AI technologies and lack sufficient knowledge and training to understand and utilize AI tools that could enhance their competence. One of the major ethical issues in using AI for ELT is data privacy, as these systems often collect and store students' personal information, voice recordings, and written texts. Another concern is overdependence on technology, which reduces essential human interaction, limiting opportunities for natural communication practice. In addition, the lack of transparency in how AI systems make decisions raises questions about fairness and accountability. Finally, infrastructural issues –most places usually lack high-speed internet and ICT tools, not all students have equal access to devices and stable internet connections, leading to unequal learning opportunities.

Conclusion. To sum up, AI-powered language learning systems bring significant changes to the teaching and learning process for both teachers and students. In a world where digital technology continually reshape education, AI improves efficiency, personalization, and learner engagement. However, there are some challenges and limitations to consider when integrating AI into language teaching, including unequal access to technology, lack of human communication, and ethical concerns like data privacy. These concerns shows that AI should be integrated carefully, ensuring it complements rather than replaces the importance of human guidance.

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