

THE BASIC METHODS OF TEACHING ENGLISH LANGUAGE BY USING ARTIFICIAL INTELLIGENCE

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Abstract: This paper explores the fundamental methods of using Artificial Intelligence (AI) to enhance English Language Teaching (ELT). It examines the benefits of AI in personalizing learning, providing interactive and engaging experiences, and automating assessment processes. The paper discusses key AI-powered techniques such as speech recognition, chatbots, automated text analysis, and personalized learning programs. It also addresses the challenges associated with AI implementation, including technical issues, data privacy concerns, and the need for teacher training. Finally, the paper analyzes the future prospects of AI in ELT, highlighting emerging technologies and potential applications that could transform the way English is learned and taught. The findings suggest that AI has the potential to revolutionize ELT, but careful consideration must be given to ethical implications and the need for human-centered approaches.

Key words: artificial intelligence (AI), english language teaching (ELT), personalized learning , chatbots , speech recognition , automated assessment

The integration of Artificial Intelligence (AI) into various sectors has revolutionized numerous industries, and education is no exception. The field of English Language Teaching (ELT) is currently experiencing a significant transformation due to the emergence and application of AI-powered tools and methodologies. This paper explores the fundamental methods of leveraging AI to enhance the learning and

teaching of the english language, addressing its benefits, challenges, and future prospects. The significance of AI in ELT stems from its potential to adapt to individual learner needs, creating customized learning paths and providing tailored feedback , interactive AI tools can make learning more engaging and motivating for students , AI-powered platforms can offer affordable and accessible English language education to learners worldwide , futhermore , AI can automate administrative tasks, freeing up teachers' time to focus on personalized instruction and student support. This paper aims to provide a comprehensive overview of the current landscape of AI in ELT, shedding light on its practical applications, ethical considerations, and potential impact on the future of language education. By examining the core methods, challenges, and opportunities associated with AI in ELT, this paper seeks to inform educators, policymakers, and researchers about the transformative potential of AI in shaping the future of English language learning.

Artificial Intelligence (AI) is a broad field of computer science that focuses on creating machines capable of performing tasks that typically require human intelligence. These tasks include learning, problem-solving, decision-making, speech recognition, and visual perception. AI systems are designed to mimic human cognitive abilities, enabling them to analyze data, identify patterns, and make predictions or recommendations. Key Concepts in AI , first and foremost , machine learning (ML) is a subset of AI that allows computers to learn from data without being explicitly programmed. ML algorithms can identify patterns, make predictions, and improve their performance over time as they are exposed to more data. Second one is natural language processing (NLP) is a branch of AI that focuses on enabling computers to understand, interpret, and generate human language. NLP techniques are used to analyze text, translate languages, and power chatbots and virtual assistants. After that deep learning (DL) is a type of machine learning that uses artificial neural networks with multiple layers to analyze complex data. DL algorithms have achieved remarkable success in image recognition, speech recognition, and natural language processing. Finally , expert systems are AI systems designed to mimic the decision-making

abilities of human experts in specific domains. Expert systems use knowledge bases and inference engines to solve problems and provide advice. AI has the potential to revolutionize the education sector by transforming the way students learn and teachers teach. AI-powered tools can personalize learning experiences, provide instant feedback, automate administrative tasks, and offer accessible education to learners worldwide . AI can be applied in education in various ways such as intelligent tutoring systems (providing personalized guidance and support to students as they learn new concepts) , automated assessment (grading assignments, providing feedback, and tracking student progress) , adaptive learning platforms (adjusting the difficulty and content of learning materials based on student performance), chatbots and virtual assistants (answering student questions, providing guidance, and offering support). The integration of Artificial Intelligence (AI) into English Language Teaching (ELT) offers a multitude of benefits that can significantly enhance the learning experience for students and improve the effectiveness of teaching methodologies.

There are some key advantages: AI allows for the creation of personalized learning experiences tailored to the individual needs and learning styles of each student. AI-powered platforms can assess a student's strengths and weaknesses, identify knowledge gaps, and adapt the curriculum accordingly. This ensures that students receive targeted instruction and support, maximizing their learning potential. Moreover , AI-driven tools can make learning more interactive and engaging for students. Chatbots, virtual tutors, and gamified learning platforms can provide students with opportunities to practice their English skills in a fun and stimulating environment. These interactive experiences can boost student motivation and encourage active participation in the learning process. Again , AI-powered assessment tools can provide students with instant feedback on their performance, allowing them to identify areas where they need to improve. Automated grammar checkers, writing assistants, and pronunciation analysis tools can help students refine their language skills and develop greater accuracy. This immediate feedback loop accelerates the learning process and empowers students to take ownership of their learning. Additionally, AI can make

English language education more accessible to learners around the world, regardless of their location or socioeconomic background. Online AI-powered platforms can offer affordable and flexible learning options, allowing students to learn at their own pace and on their own schedule. AI can also provide language support for students with disabilities, making education more inclusive. Then AI can automate many of the time-consuming tasks that teachers typically perform, such as grading assignments, providing feedback, and creating lesson plans. This frees up teachers' time to focus on personalized instruction, student support, and creative teaching activities. AI can also provide teachers with valuable data and insights into student performance, helping them to make more informed decisions about their teaching strategies. Furthermore, AI-powered pronunciation analysis tools can help students improve their pronunciation by providing real-time feedback on their speech. These tools can identify pronunciation errors, offer suggestions for improvement, and even provide personalized exercises to help students develop accurate pronunciation.

While AI provides essential potential for enhancing English language teaching, there are also a lot of challenges that need to be addressed. Improving and implementing AI-powered ELT tools can be highly costly, requiring significant investment in hardware, software, and data infrastructure. Technical issues such as algorithm bias, data security vulnerabilities, and system malfunctions can disrupt the learning process and undermine student belief. AI systems trust on high amounts of data to personalize learning experiences and provide clear feedback. Collecting and storing this data raises concerns about student privacy and information security. It is crucial to implement robust data protection measures to ensure that student data is used ethically and responsibly. Integrating AI into ELT offers educators to adapt their teaching techniques and improve new skills in using AI-powered techniques. Many teachers may lack the necessary training and support to effectively use AI in their classrooms. Providing adequate training and professional development is crucial for successful AI implementation. While AI can automate many tasks and provide personalized learning experiences, it cannot fully exchange the role of human teachers.

Human interaction, empathy, and social-emotional support are crucial for effective language learning. It is important to strike a balance between AI-powered tools and human interaction in ELT. AI-driven decision-making can raise ethical concerns, such as algorithmic bias, fairness, and transparency. It is important to ensure that AI systems are designed and used in a way that is ethical, equitable, and aligned with human values. Over-reliance on technology can hinder the development of critical thinking skills and independent learning abilities. It is important to use AI as a tool to enhance learning, rather than as a replacement for traditional teaching methods.

Artificial Intelligence (AI) is fastly exchanging the field of English Language Teaching (ELT), offering a wealth of chances to enrich learning skills , increase teaching methodologies, and promote greater accessibility to English language education. From personalized learning programs and AI-powered chatbots to automated grammar checkers and speech recognition tools, AI is entitling students and teachers alike to achieve their language learning targets. When the integration of AI into ELT presents assured provocation , such as scientific issues, data isolation concerns, and the need for teacher training, the potential advantages far outweigh the menaces. By addressing these difficulties proactively and embracing a human-centered means to AI accomplishments , we can harness the authority of AI to create a more effective, engaging, and fair fate for English language education. As AI technology continues to develop , we can suppose to see even more groundbreaking applications of AI in ELT, changing the method English is learned and taught in classrooms and online learning environments around the world. By squeezing AI as a useful gadget and collaborating to develop best practices for its use, we can unlock the full potential of AI to revolutionize English language education and empower learners to succeed in a globalized world.

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