

THE SIGNIFICANCE OF ARTIFICIAL INTELLIGENCE IN ENGLISH LANGUAGE LEARNING**Dr. Vishwas Damodhar***Head, Dept. of English, Milind Mahavidyalaya, Mulawa
drvmd1@gmail.com***Abstract**

The word AI stands for artificial intelligence, a computer-based simulation of human intelligence meant to act like humans. AI is one of the driving forces behind the fourth industrial revolution, making teaching and learning more accessible in schools as well as colleges. Present paper aims to understand the functions of AI in English Language Learning and Teaching methodology.

Keywords: Artificial Intelligence (AI), Machine Learning, Applications, English Language

Introduction

With the advancement of technology and new platforms, learning English has gradually become simpler, systematic and superfast. Artificial intelligence technology provides the chance to enhance English linguistic competence. Students of English language may comprehend and understand English more quickly because many different learning technologies are available. Students get access to a wide variety of English language apps that are built on AI technology. These technologies include Google Translate, Text to Speech, English Able, Orai, Elsa, Chatbot, Duolingo, Neo platforms, Chat GPT and many others. Using a method that computers and mobile devices can use, these intelligent machines can mimic intelligence and make decisions as people do.

Technology was developed to make human jobs and hobbies easier. Artificial intelligence is a technology that is actively being developed. One aspect of computational creativity that has drawn more attention to the development of artificial intelligence (AI) technology. Numerous artificial intelligence technologies have been deployed to boost creativity in computers. According to Rahman, "artificial intelligence (AI) produces computer programs that filter knowledge and do independent tasks like computing or student search. Artificial intelligence (AI) creates "intelligent" objects like computer systems (online platforms) and robots that operate and respond similarly to human brains. Machine intelligence is another name for artificial intelligence (AI)." Through the inherent intelligence exhibited by people, the algorithm can forecast human intelligence. In other words, AI aims to improve computer job execution by incorporating human intellect. According to Mehrotra (2019), artificial intelligence (AI) is a field of computer science that focuses on analyzing and creating intelligent devices and software. It is the science of programming a machine to think and act like intelligent humans. The intelligence component is the cornerstone of AI technology. According to Whitby (2009), AI seeks to

understand intelligent behavior in people, animals, and technology. Artificial intelligence is made from the phrases "artificial" and "intelligence" (Ahmet, 2018). The term "artificial" refers to something imitated but not wholly untrue in the sense of being a fake. At the same time, "intelligence" might replace actual goods because the former has superior characteristics. The phrase "intelligence" is quite complicated. It encompasses a variety of manifestations, including consciousness, emotional awareness, self-knowledge, preparedness, and creativity. According to Joshi (2019, p. 4), AI may not mean creating a knowledgeable computer that can solve every issue but instead creating a device that can function like a person. Artificial intelligence aims to create computer programs or hardware systems that exhibit characteristics of human intellect or think like humans (Campesato, 2020). Theoretically, an AI-powered computer system is capable of activities that ordinarily require human intelligence. Artificial intelligence may comprehend some elements of the human intellect, including speech comprehension, linguistic awareness, decision-making, and visual perception. There is a need for AI to develop expert systems and discover answers to challenging issues like recognition and natural language processing (Devi et al., 2020). Using AI as a language instructor AI delivers persistent, customized instruction, giving learners the copious amounts of feedback and scaffolding exercises required to attain fluency, all in a low-stakes setting (learners are more likely to take chances and make mistakes). The primary promise of artificial intelligence is that it will accelerate the skill development process. According to Kaur & Gill (2019), artificial intelligence (AI) is a digital effort to replicate human intellect by utilizing various machine calculations. It is a cutting-edge technology collection that lets people think, feel, act, and learn like machines. Artificial intelligence (AI) is a subfield of computer science that stresses machines' capacity for human-like thought and behavior. Machines assist in solving complicated

issues in a way that is more like human thought (Sridhar, 2018). This necessitates taking aspects of human intellect and adapting them to work well with computers.

Artificial intelligence (AI) can perform human behaviors like language acquisition, planning, decision-making, and other cognitive tasks. With the rise of technology and digital platforms, English teaching and learning have grown simpler. Now, there is a chance to develop your English-language abilities. As a result, if a machine could teach English, perhaps we wouldn't need English teachers in the classroom or English education (Shin, 2018). The Fourth Revolution does not thus need to replace English education. An artificial intelligence-based English class model should instead be developed in conjunction with the teaching and learning of English. An effective combination to increase global competency is language literacy and digital literacy. According to Ribeiro (2020), the most important practical use of artificial intelligence for English language instructors is in ELT. English is one of the world's most common languages with a structured grammatical system. As a result, studying English has always been challenging for pupils learning it as a second or foreign language (ESL/EFL) (Mehrotra, 2019). Therefore, using artificial intelligence, machine learning, intelligent search, and natural language processing may successfully advance reforms in English teaching and learning (Wang, 2019). The purpose of this research, connected to the description above, is to understand the function of artificial intelligence (AI) and to look at AI technologies in English language teaching (ELT).

Findings and Discussion Teaching the English Language Concerning Artificial Intelligence AI-enabled tools are a branch of computer-assisted language learning for learning foreign languages. A wide range of advancements in foreign language instruction is made possible by AI thanks to the exponential growth of technology for extensive data management and natural language processing (Li, 2020). English language instruction aims to increase students' ability to engage with people from other countries (Mukhallafi, 2020). With the rapid advancement of big data and natural language processing technology, artificial intelligence (AI) offers various improvements to foreign language instruction. The area of teaching English with artificial intelligence (AI) is demanding and innovative (Zhu, 2017). Learning environments accessible to everyone, including those who speak different languages or may have hearing or vision impairments, may be made possible through artificial intelligence technology (Marr, 2018).

According to Gawate (2019), AI will be a crucial component of the supplementary support system for English language learners and teachers. The claim that "Artificial intelligence also functions as a tool for enhancing English teaching" is backed by Li (2017). Language proficiency and digital proficiency make an excellent match in AI to boost global competency, like studying English. Digital learning technology likewise depends heavily on personalized material.

Big data and artificial intelligence-based adaptive systems are now available. According to Mukhallafi (2020), "artificial intelligence (AI) is defined in the current study as applying AI systems for teaching and learning English to enhance organizing, arranging, and choosing content. It further diversifies instructional methods and educational streams following the students' proficiency levels. It also develops instructional strategies and evaluation methodologies by personalizing self-study processes and imitating intelligent and expert systems. The following is the link between artificial intelligence and English teaching."

Wang in his study titled "Research on Artificial Intelligence Promoting English Learning Change": emphasized on English learning environments are altered by artificial intelligence. English immersion learning is made possible by artificial intelligence. English learning becomes more stereoscopic and visual via integrating and rationally understanding data such as visuals, voice, and text in an intelligent gadget. Through the human-computer interface, students may connect with AI, which enhances the authenticity of language settings. The claim that AI has a substantial capacity to build a tailored environment in which adult learners employ all of their senses to simultaneously train their English abilities in connection with their current level of English or occupational demands or wants is backed.

English teaching effectiveness is maximized using artificial intelligence. AI will offer a real simulation conversation platform for English language education and study. We will aid students in improving their usage of written, spoken, and written English and their comprehension abilities. The knowledge about the many English-speaking nations' cultures and practices that AI has gathered may be utilized to connect and engage with students and considerably increase their enthusiasm for studying English. Students in English classes have better practical skills because of artificial intelligence. The industry's hottest technological topic for social science right now is artificial intelligence (AI). Teachers and students must understand how to operate a system and find quick

solutions to issues for science and technology to be effectively applied in English language teaching (ELT).

As a result, as AI is used to teach English, students' practical operational capacity rises. The advantages of AI based instructional programs for teaching and learning English includes: programs for customers that are friendly and need-based. The AI-based teaching software integrates the demands of the learners' context with their goals. It is outlined with the learners' precise standards and explicit expectations. Without considering the requirements of the learners, English language teaching-learning is ineffective.

Contents of AI with high quality: Using artificial intelligence, it is now feasible to develop teaching and learning tools of high quality that cover all aspects of language acquisition, including hearing, speaking, reading, and writing. It support mechanisms for teachers and students in addition. As an external support system, (AI) serves a crucial role for English language learners and teachers. When AI adds humanized knowledge, it can accomplish this whenever and wherever, and with the exact help. Although there are built-in AI-based services, educators' roles are still recognized.

Immediate feedback system: Several AI-based designs may be created to learn English and get feedback. In AI-based educational systems, it may be used to measure and interpret the input under the demands of the students, such as grading, reviews, cross-verification, and in-depth presentations. The achievement of the pupils is evaluated from every angle. The teacher's position as a director and guide is altered. It is challenging to remove the teacher from the teaching process and replace the role of the instructor as a director and guide. Only AI-based technology in the ELT process alters the teacher's role. Teachers ought to guide and help the students. Such an AI-based application may be handled and managed by instructors, and teachers can make the necessary manual changes.

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