

AI ON LEARNING ENGLISH: APPLICATION, BENEFIT AND THREAT

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Abstract

Depending on how technology is applied and employed, artificial intelligence (AI) in English language teaching (ELT) can be viewed as both a potential advantage and a threat. On the one hand, artificial intelligence (AI) technology could make language. By giving each student individualized feedback and practice tasks catered to their unique requirements and learning preferences, we can make learning more effective and efficient. Through a comprehensive examination of the extant literature on this subject, the authors hope to acquire a more profound comprehension of the ways in which artificial intelligence is being applied to improve English as a foreign language acquisition. Additionally, a thorough search was conducted for pertinent scholarly books, papers, and other materials that examine the junction.

Key Words: Artificial Intelligence, ELT, Application, Education Technology.

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Introduction:

Artificial intelligence, or AI, is the term used to describe the development of computer systems that are capable of performing activities that would typically require human intelligence, such as pattern recognition, natural language comprehension, methodical decision-making, and replying issues, etc. The foundation of artificial intelligence (AI) technology is the notion of building human-intelligence-capable computers that can process, analyze, and apply data to enhance their performance over time. These days, artificial intelligence (AI) is applied to many different fields, such as language translation, speech recognition, picture processing, and self-driving cars. Developing systems that can carry out human-like tasks with a high degree of precision and efficiency is the ultimate goal of AI research.

AI has the potential to enhance many facets of modern life, including healthcare, education, entertainment, and transportation. To be more precise, AI-powered platforms or apps are typically utilized in education to

deliver personalized instruction and instantaneous student response. They are learning more efficiently and independently thanks to this. By analyzing student data, artificial intelligence (AI) can pinpoint areas in which students require additional support and tailor resources and instruction accordingly.

Using AI technology to study English is known as "implementation of AI in English Language Teaching" (ELT). Chatbots, individualized study plans, language-learning games, and virtual instructors are a few examples of this deployment. Until now, the origins of AI in ELT can be found in the early stages of computing. The 1970s and 1980s saw the introduction of computer technology to enhance language training, leading to the development of aided language learning (CALL). The plan at the time was to create a grammar-checking machine. Later, efforts were directed toward creating language-learning software that allowed pupils to practice their grammar and vocabulary. Natural language processing (NLP) began to emerge and flourish in the 1990s and 2000s, and developments

in AI had resulted in the creation of more advanced language-learning program that may communicate with pupils more naturally. AI-powered tutors, for instance, were created with the ability to assess students' progress and offer practice questions and tailored feedback.

These days, AI is being utilized more and more in ELT to improve the effectiveness, accessibility, and engagement of language learning. Applications and platforms for language learning driven by AI, such as ChatGPT, Coursera, Duolingo, Elsa, Grammarly, etc., have become well-liked by language learners, and artificial intelligence is being utilized to assist language teachers in their teaching. It is anticipated that as AI technology develops further, it will become more and more important in ELT by providing students all around the world with more effective language learning support as well as more individualized experiences.

NLP is also used by some AI-powered educational platforms and apps to build virtual instructors that can converse with students and assist them in improving their language proficiency in a more conversational environment. An illustration of how AI is being used in ELT is a virtual English instructor that assesses students' speaking and writing skills and offers tailored feedback using natural language processing (NLP) and machine learning algorithms. In order to enhance the effectiveness and interactivity of language learning, the virtual tutor can also create practice questions and activities based on the student's progress and preferred method of learning. Another illustration is an AI-powered ELT program that assesses students' pronunciation using speech recognition characteristics, gives them immediate feedback, and assists them in developing their speaking abilities.

AI has completely changed the way that people learn English on their own by giving them access to individualized and flexible learning environments, practice speaking and listening, increased accessibility,

and insightful feedback. It gives authority. Students should be in charge of their education and work individually to improve their English language skills. Artificial intelligence (AI)-enabled platforms and applications can provide instant feedback on students' pronunciation, grammar, and vocabulary, assess student performance data and suggest lessons for the future, and provide interactive activities that encourage students to interact with the content in new ways. Making language learning more effective, interesting, and available to students worldwide is the aim of AI in ELT.

This current paper's goal is to conduct a survey of the literature on AI's application in ELT. A literature review is a critical analysis of previous studies and academic publications that serves as a basis for the research investigation, influences the research design, and advances the topic's theoretical knowledge. As previously mentioned, the incorporation of AI has been a primary driving force behind the rapid evolution of the field of ELT in recent decades. The authors hope to gain a better understanding of the ways in which artificial intelligence is being applied to improve English as a foreign language by undertaking a thorough analysis of the body of literature already written on the subject. Additionally, the review of the literature has included a thorough search for books, papers, and other publications that address the relationship between AI and ELT. Furthermore, a better comprehension of the advantages and risks of utilizing AI in ELT has been attained as a consequence of this review.

Using AI to help writing:

Applications driven by AI are available to help with writing assignments. Numerous experts agree that using AI-powered platforms or programs to help students with their writing assignments is totally acceptable. AI-powered writing platforms and software generally function by evaluating text and providing

suggestions for changes. In fact, a lot of professionals and students use these tools to assist ensure that their writing is error-free and of higher quality. Certain programs have the ability to produce text depending on specific parameters, like keywords or a predetermined theme.

An excellent illustration of an AI-based writing aid is Grammarly. Through the detection of grammar, spelling, punctuation, and style mistakes, it aids students in improving their writing. It offers instantaneous recommendations and clarifications to improve the efficacy and clarity of the composition. As a result, some simple word processors, such Google Docs and Microsoft Word, contain AI features that improve students' writing experiences. As students write, they offer corrections for grammar, spelling, and style. Students can improve the quality of their writing by using the AI features, which can also identify problems with clarity and conciseness. ChatGPT is another well-liked AI-based writing tool. OpenAI created the potent language model known as Chat GPT. It can let users write content that sounds human and participate in conversations. Several well-liked attributes provided by Among the many writing-related advantages of ChatGPT are idea generation and brainstorming, writing prompts, feedback and recommendations, and language and vocabulary support. These days, pupils are really like these features.

Students can raise the caliber of their writing and expedite the process by utilizing an AI-powered platform or application in addition to their own abilities. Nevertheless, the extent to which these platforms and applications can comprehend the language's subtleties and context, which might lead to mistakes or strange wording. It's crucial to remember that using AI alone to do an essay assignment is not advised. Writing platforms and apps with AI capabilities can be useful for tasks like grammar and

spelling checks, but they can't completely take the place of the analytical and critical thinking abilities needed to produce an excellent essay. Even so, students ought to devote sufficient time to information analysis and synthesis, formulate coherent arguments, and effectively convey pupils' thoughts in writing. The optimal approach to finish an essay assignment is ultimately to combine students' own critical thinking and writing abilities with AI-powered platforms or programs, as stated by. This means that although students can utilize AI-powered platforms or tools to assist with grammar and spelling, they still need to rely on their own skills to successfully synthesize and analyze material, formulate arguments, and write about their thoughts.

Using AI to learn listening and speaking:

Due to its many features that can improve learning, AI-powered platforms and applications can also be very beneficial for improving speaking and listening abilities. Applications of artificial intelligence for speaking and listening giving pupils the chance to practice and improve their language abilities in a tailored, interactive setting. AI technology helps students improve their oral communication skills by offering real-time feedback, focused exercises, and real-world practice settings. Among the ways AI can benefit students are learning to speak and listen in English, including activities in listening comprehension, voice recognition and assessment, interactive conversation practice, accent reduction, pronunciation improvement, and natural language understanding and answer production.

AI technology can accurately record and evaluate pupils' spoken English by acting as a peer or assessor. AI can offer rapid feedback and recommendations for pronunciation, intonation, and fluency by comparing the user to native speakers enhancement. Additionally, AI can participate in interactive conversations with pupils as virtual language tutors. These tutors provide

a realistic and engaging practice environment by using natural language processing (NLP) to comprehend and respond to students' speech. Artificial intelligence (AI) tools can pinpoint students' individual pronunciation problems and suggest areas for development. Students can improve their accent and pronunciation skills by using the focused activities, feedback, and model pronunciation samples that they offer. According to, AI-based platforms and apps may create and deliver customized listening activities based on the interests and skill levels of students. These drills can incorporate a range of speech velocities, accents, and genres to enhance students' comprehension abilities. Students can participate in dialogues and practice conversations thanks to AI models' ability to comprehend spoken language and provide responses in that manner. These algorithms use enormous volumes of language data to deliver pertinent and contextually suitable responses.

Numerous artificial intelligence (AI) applications, like ELSA Speak, Duolingo, HelloTalk, Rosetta Stone, Babbel, Speechling, and others, are available to assist students with speaking and listening in English. It's possible that the two most widely used apps in this region. AI technology is used by the well-known language learning app Duolingo to assist students in honing their speaking and listening English. It offers speaking activities with instant feedback, interactive exercises, and pronunciation practice. However, HelloTalk also offers a platform that allows users to practice conversing with native English speakers.

It's critical to understand that while AI-powered platforms and apps can help with speaking and listening comprehension, real-world conversation practice with English speakers is still necessary. However, AI-powered Applications can offer guidance and feedback, but they are unable to replicate the subtleties of in-person communication or offer the same degree of engagement and response as conversing with a human. For English language learners, an AI-

powered platform or application might be a useful addition to their speaking and listening exercises. These platforms and apps can increase learning and aid students in developing their speaking and listening abilities by providing features like speech recognition, interactive activities, individualized training, and virtual assistants. But it's crucial to keep in mind that AI-powered platforms These apps should be used in tandem with practice speaking with native speakers in real life for the best outcomes.

Using AI to learn reading English:

When studying English, reading is a critical ability. As technology develops, platforms and apps driven by artificial intelligence (AI) are being utilized more frequently to assist students in becoming better readers. These AI-driven platforms and Applications provide a variety of features that might help students who want to increase their vocabulary, comprehension, and general reading skills. assert that the capacity of AI-powered platforms and applications to automate grading and provide feedback on reading comprehension activities is one of their most important features. Pupils can turn in their answers to reading assignments, and The apps and platforms have the ability to automatically grade their work and offer suggestions for improvement. With this function, students can rapidly identify their strengths and shortcomings in reading comprehension, which can be quite valuable.

Applications driven by AI can also help students expand their vocabulary by identifying new keywords in texts and offering word meanings. These elements can assist pupils in increasing their vocabulary and strengthening their understanding of the books they're reading. Text-to-speech technology is an additional advantage of AI-powered platforms and applications. It translates written texts into audio files. Because they can listen to the audio and practice speaking along with it, this feature can be very beneficial for those who

struggle with reading. Moreover, text-to-speech technology can help with tone and pronunciation.

AI-powered platforms and applications can use adaptive learning algorithms to personalize training depending on a student's unique needs and progress, much like speaking and listening practice. This can assist pupils in practicing reading at an ability level that is suitable for their level of proficiency, which might boost their self-esteem and increase their comprehension. A variety of engaging tasks and activities aimed at enhancing pupils' reading abilities can be offered by AI-powered platforms and apps. These could be interactive reading games, gap-fill activities, or comprehension tests. These fascinating and interactive exercises can support pupils in improving their reading abilities in a fun and interesting way.

With the use of Readlang, an AI-powered language learning tool, students can enhance their foreign language reading comprehension. Students can upload their own documents or import materials from the internet to read. The app offers immediate word translations and enables users to make flashcards to help remember terminology. The AI algorithms adjust to the reading proficiency of the pupils and offer focused suggestions for more reading exercises.

It is crucial to remember that while AI-powered platforms and apps can be beneficial for enhancing reading abilities, consistent reading practice is still necessary. AI-powered websites and apps ought to be added to your normal reading routine. practice, to make sure pupils are honing their abilities and expanding their comprehension of reading in a variety of settings. Students who want to get better at reading in English might benefit from a variety of features provided by AI-powered platforms and apps. These applications can help students improve their reading skills in an interesting and focused way by automating grading and delivering feedback, providing vocabulary support,

text-to-speech technology, personalizing training, and offering interactive exercises. Even though consistent reading practice is still recommended, AI-powered platforms Software apps can be a useful adjunct to this kind of instruction, giving pupils more chances to enhance their reading abilities.

The benefits of using AI in ELT:

AI has shown to be a promising technology that can be used to enhance ELT in a number of ways. Artificial intelligence (AI) has the ability to improve individualized instruction, offer immediate feedback, provide interactive exercises, encourage practice having conversations, automate assessment tasks, make learning more accessible, and offer adaptive learning.

The potential of AI in ELT to personalize each student's learning process is among its greatest benefits. AI-powered systems and applications can offer courses for the future based on analysis of student performance data provide each student with a personalized learning experience that is suited to their needs and skills. Students' learning can be facilitated more effectively and efficiently with this individualized method. AI can also provide instantaneous feedback on a range of language learning topics, including writing, grammar, vocabulary, and pronunciation. Artificial intelligence-driven platforms and programs have the capability to evaluate students' answers and furnish prompt feedback, assisting them in pinpointing their areas of weakness and striving towards accomplishing their language learning objectives.

Since they enable students to interact with the content in engaging and entertaining ways, interactive exercises and games are essential components of language acquisition. AI-powered websites and apps can provide a variety of engaging games and activities that Students stay motivated and engaged as they practice a variety of linguistic skills. Practice in conversations is an essential part of learning a

language, particularly when it comes to improving speaking and listening abilities. Artificial intelligence (AI) can be used to develop virtual instructors that converse with students and provide them feedback on their grammar, intonation, and pronunciation using natural language processing (NLP).

For educators, assessment is a laborious process that can consume a large amount of their time. AI can automate assessment duties, such as exam and assignment grading, giving teachers more time to concentrate on other facets of instruction, such lesson planning, organizing and involving students. Another area in which AI can have a big impact on ELT is accessibility. AI-powered platforms and applications can make ELT more accessible to students with diverse schedules and locations by giving them 24/7 access to learning materials and activities, letting them to learn on their own terms and at their own speed. Finally, AI can offer adaptive learning, which keeps students interested and motivated by modifying the level of classes and activities based on their progress. AI-driven programs and platforms can use data analytics to pinpoint the areas in which students are having difficulty and offer them specialized support to help them advance more quickly.

AI in ELT has the potential to be very beneficial, which makes it a desirable field for further study and advancement. The applications of AI in ELT are virtually limitless as technology advances, and both students and teachers stand to gain from them important. Although AI in ELT has many advantages, there are also some possible risks to be mindful of. Some of the most important issues with the application of AI in ELT are covered in the paragraphs that follow.

The threats of using AI in ELT:

Reducing the importance of human teachers in the educational process is one possible danger. There is a chance that as AI platforms and apps advance in sophistication, some of the jobs currently done by

humans may be replaced by them instructors, like assigning grades and giving comments While artificial intelligence (AI) may undoubtedly support human educators, it's important to make sure that these tools and platforms don't take their place completely.

The possibility of prejudice in AI-powered platforms and applications is another issue. Algorithms and data are used by AI platforms and applications to make judgments, which are subject to bias from people. Biased results that perpetuate current disparities may arise from the use of data in AI platforms or applications that is not inclusive or varied. To stop this possible threat, it's critical to make sure AI platforms and apps are created and trained using a variety of data sets.

Another possible threat to be aware of is privacy. AI is gathering information about how students use the platforms and apps, and there's a chance that this information might be shared or misused without permission. It is imperative to guarantee that privacy .There are safeguards in place to stop these dangers.

In the end, there may be a risk associated with the caliber of AI-powered software and platforms. Like any technology, there's a chance AI apps or platforms won't be accurate or dependable. This might be an issue if pupils are depending on these tools and platforms to provide them feedback or make judgments about how well they are learning. To guarantee their accuracy and dependability, AI platforms and applications must be rigorously tested and validated.

Conclusion:

In conclusion, even if AI in ELT has a lot to offer, there can be some risks to be aware of. In order to guarantee the responsible and efficient utilization of these technologies, it is imperative to tackle issues pertaining to the role of humans as instructors, prejudice in AI systems, privacy, and the standard of the platforms and apps themselves. We can ensure that AI-powered platforms and applications are used to improve the

educational process and encourage successful outcomes for all students by addressing these concerns. However, depending on how technology is applied and employed, artificial intelligence (AI) in English language teaching (ELT) can be viewed as both a potential advantage and a threat. While AI technology can, on the one hand, make language learning more effective and efficient, by giving each student individualized feedback and practice tasks catered to their requirements and preferred method of learning. Language learning may be made more inclusive and democratic by using AI-powered platforms and applications, which are also more accessible and economical than traditional language courses. However, there are also worries that the integration of AI into ELT may dehumanize language learning by substituting computer interaction and communication for human engagement. Additionally, there's a chance that using AI in ELT could result in students becoming unduly dependent on technology and failing to develop their interpersonal and communication skills, which would lower the quality of language learning. It is crucial to remember that artificial intelligence (AI) should be viewed as an addition to conventional language education techniques rather than as a substitute for human teachers.

The secret to maximizing AI's potential in ELT while lowering any hazards associated with it is to use the technology to supplement human-led language instruction rather than to replace it.

With the help of human language teachers' knowledge and experience, it is possible to design more personalized, effective language learning programs that cater to the needs and objectives of each individual student.

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Cite This Article:

Prof. Bansode A. (2024). *AI on Learning English: Application, Benefit, and Threat.* In *Aarhat Multidisciplinary International Education Research Journal: Vol. XIII (Number I, pp. 102–110).*

AMIERJ. <https://doi.org/10.5281/zenodo.10657962>