# A new AI tool for English language learning and teaching
# Công cụ AI mới phục phục vụ dạy học tiếng Anh

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**Abstract**: *Chat GPT has increased in popularity worldwide since 2022, and it not only answers queries in seconds but also creates text that is similar to that written by a person. Furthermore, in contrast to other chatbots, it may engage in user discussions in the most natural way. This article will provide a quick overview of Chat GPT, and its establisher, Open AI. This article also tries to highlight the benefits and drawbacks of using this AI software in language acquisition, with a focus on students and teachers and then provide recommendations for future purposes.*

**Keywords:** *Chat GPT, chatbots, AI software, language acquisition.*

## 1. Introduction

The use of modern technology has resulted in substantial changes in language learning and teaching throughout the world since the turn of the century. Computers, the Internet, mobile technology, social media, and virtual reality have all been predicted to revolutionize language learning and instruction. [1] In the era of 4.0, the world is constantly changing thanks to Artificial Intelligence (AI), which has contributed to a variety of disciplines, including language instruction. Natural language processing (NLP) is one of the most exciting areas of AI study, allowing AI to detect, analyze, and eventually understand human language, as well as interpret and generate human-like text and voice. Virtual assistants like Siri and Alexa are common language models for this cutting-edge technology. Not just for this reason, but NLP is also used in language translation apps, allowing users to converse in several languages. AI language models are used in a wide range of applications, including machine translation, summarization, and text synthesis. Among these models, Chat GPT has emerged as powerful tool with remarkable performance in a variety of language learning and teaching activities.

### * Open AI

OpenAI is an artificial intelligence (AI) research center dedicated to promoting and developing

'Sustainable AI' in ways that benefit humankind as a whole. [2] Originally, this group was created in San Francisco as a non-profit OpenAI Incorporated by well-known tech figures such as Sam Altman, Reid Hoffman, Jessica Livingston, Elon Musk,

Ilya Sutskever, and Peter Thiel. From the start, OpenAI was anticipated to provide a better world with applications in a variety of disciplines, despite various warnings about the perils of AI turning against humans. Elon Musk, one of the co-founders, used to call AI the "biggest existential threat". In other words, developing new technology to improve living efficiency is always more important than producing anything that can completely replace humans. According to OpenAI's founders' pledge, AI was created and developed to be beneficial and safe for human existence, as well as to be freely shared without regard for intellectual property. Since Microsoft invested $1 billion in OpenAI in 2019, the company has transitioned from non-profit to for-profit, and OpenAI is expected to become one of the world's most prominent AI research laboratories by 2020.

### * Chat GPT

Chat GPT (Chat Generative Pre-trained Transformer) is a blockbuster AI chatbot developed and launched as a prototype by Open AI in late November 2022, and it has quickly gained global attention for its detailed and informative patterns across multiple domains of knowledge with relatively high levels of accuracy. Furthermore, Chat GPT keeps the AI-powered chatbox architecture in terms of functionality while generating suitable replies based mainly on user tokens, making online text conversation more intuitive and natural. [3] It was initially distributed for free to the general public and quickly grew to over 100 million users, making it one of the fastest-growing programs to date. This

cutting-edge chatbot builds on Open AI's GPT family of big language models, combining unsupervised and reinforcement learning, two common strategies for improving model performance. The AI language model, which has been trained on a variety of content, including books, papers, and web pages, will provide logical and suitable replies based on its comprehension of the input's language and context.

Additionally, an AI-based software program can engage in human-like discussions. When consumers have questions, requests, or even a statement or outburst, the algorithm responds within a few seconds with human-like writing. Furthermore, data captured and gathered from Chat GPT users might be used to train and improve Chat GPT. Following the response, AI software users can upvote or downvote it, as well as provide constructive input in the form of words. Chat GPT offers a broad range of possible applications and advantages, including producing music, performing basic or complex algorithms, and functioning as a customized adviser or therapist.

## 2. The implication of chat gpt on language learning and teaching

### *1) From the perspectives of language teachers*

Chat GPT has the potential to be used by both general educators and language instructors for a variety of objectives. First and foremost, Chat GPT assists hands in reducing their workloads. In their language teaching process, kids are frequently needed to do a variety of activities with time and effort. Teachers are currently using Chat GPT to search for more initiatives and innovations in classroom activities, teaching strategies, and lesson plans that are more time-efficient, flexible, and appropriate for learners with varying levels of competency, demands, or social status. For example, writing is frequently the most difficult skill in language instruction and evaluation. Teachers typically use Chat GPT to improve students' writing skills by assigning work or permitting self-regulated learning by seeking and collecting initiatives and ideas from Chat GPT resources before composing and releasing their final work.

Also, this popular AI writing tool has supported users' writing by identifying spelling and grammatical mistakes and then suggesting revision ideas, saving educators time and effort in preparing for their classes. Chat GPT also assists instructors by automating assessment, administration, and real-time feedback mechanisms, giving them more opportunities to gain insight into learners' learning progress and spend more time providing additional guidance, supporting ongoing or upcoming students' work, and improving their teaching methods.

Furthermore, Chat GPT enables teachers to examine and experiment with a greater range of assessment methodologies than traditional examinations when assessing students' knowledge, abilities, and attitudes. [4] Reading comprehension is another example that demonstrates this point of view. Educators can use Chat GPT as a generation tool to provide learners with a variety of reading practice exercises as well as reading tests with a variety of test questions, ranging from multiple questions to discussion questions or writing prompts, in order to develop learners' reading ability, critical thinking, and problem-solving skills.

### *2) From the perspectives of language learners*

For starters, one important advantage of Chat GPT is that it allows learners to reduce the offered input or develop their own practice tasks, saving them time and effort in accurately comprehending main principles. In other words, students who are struggling with a specific subject or need more clarity are given in-depth explanations and educational materials, such as summaries, study guides, lecture notes, and examples that span a wide variety of topics. These resources aid learners in comprehending complicated subject and give additional assistance for their study. For example, Chat GPT allows language learners to practice and improve their reading abilities. Learners may ask this AI system to summarize or produce extra practice problems using the same material to assist them manage their reading comprehension.

Learners are also encouraged to experiment with various strategies and approaches, resulting in individualized and adaptive learning methods that assist them in identifying their strengths and weaknesses and tailoring their learning procedures appropriately, so enhancing their overall language performance. Moreover, Chat GPT assists students in brainstorming and implementing ideas or suggestions to develop solutions for more complicated projects such as essays, research papers, or even practice activities for test preparation. It is clear that learners are given opportunities to learn a language via exploration and experience.

It is supposed that students who are eager to engage

in hands-on experiential learning would benefit more from adopting Chat GPT as a learning tool. Learners, for example, can spend time developing both speaking and writing abilities by engaging in a variety of spoken and written interactions with Chat GPT. During this procedure, students receive not just initiatives or ideas for their themes, but also quick feedback on their word choices and grammar structures, allowing them to improve their vocabulary, coherence, and correctness in a variety of topics.

Last but not least, our AI language model enables students to improve their engagement, collaboration, and self-motivation during the language acquisition process. Chat GPT encourages learners to spend more time on various language exercises and to feel more confident in their language learning process.

### 3. Conclusions and recommendations

Chat GPT is an essential tool for learners to help them study more easily and effectively. This blockbuster AI should be used as a teaching aid, offering ideas or recommendations to develop both writing and speaking abilities, rather than as an outsourcing content producer that creates ideas to be copied and pasted. Furthermore, learners may fully utilize Chat GPT to improve their reading abilities by developing their own practice tasks to deepen their reading comprehensions. Learners can improve their vocabulary and grammar structures, as long as they understand how to apply this model effectively. Furthermore, learners' attitudes and motives for language learning improve.

To prevent plagiarism in writing assignments by outsourcing Chat GPT, language instructors are advised to use a variety of strategies, such as physical closed-book exams in which students write by hand. Furthermore, it is proposed that professors push students to write about themes such as personal experiences or professional opinions, which would be considerably more difficult for the AI system to uncover and repeat. Students are also expected to give their own thoughts or points of view, supported by good evidence. Learners will be eager to write about topics that pique their interest and in which their perspectives are respected. [5] Language instructors are also urged to provide evaluations that improve learners' creative and critical thinking abilities through class activities such as presentations and performances, to mention a few. It is necessary

to teach students how to utilize this AI model wisely, recognizing both its benefits and limits, in order to enhance their overall learning.

There is no doubt about the importance of educational institutions in managing Chat GPT implementation in the learning and teaching process. In such a dispute over Chat GPT use, numerous colleges have swiftly implemented additional laws, claiming that utilizing Chat GPT is a cheating activity that should be prohibited. Is it feasible to prevent AI systems from learning? Though this is an open-ended subject with varying perspectives, educational institutions should examine numerous ways. First, a learning atmosphere should be designed that encourages learners to participate rather than overloading them with pressure. In addition, the school should provide instructors with instruction on how to use the Chat GPT system as well as academic integrity for students. During these training sessions, all standards and policies, particularly those pertaining to correct usage and the repercussions of cheating, are fully addressed. Chat GPT has become a phenomena that will dramatically alter traditional language teaching, regardless of the benefits or challenges it presents. Chat GPT users should be aware of these benefits and limitations in order to assist their educational goals. Furthermore, language researchers will pay close attention to Chat GPT studies that aim to improve language skill development, language learning acquisition, and evaluation.

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