

# New Communicative Language Teaching Methods: How ChatGPT is Used in English Teaching and Its Impacts

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**Abstract.** An overview of ChatGPT's use in English instruction within the framework of Communicative Language Teaching (CLT) approaches is given in this paper, along with an analysis of the implications for language learning. The development of language competency, interaction, and real-world communication are the main focuses of communicative language teaching. In order to improve language learning experiences, this research highlights the integration of ChatGPT, a potent language model, within the CLT framework. Key components of this integration – such as the usage of ChatGPT for real-time feedback, continuous practice, and adaptive learning – are succinctly described in the abstract. It also goes over ChatGPT's implications for individualized, effective, and entertaining English language training. The main focus is on how ChatGPT affects teaching methods, language learning, and student learning outcomes. This research contributes to the understanding of technology-enhanced language education. Through qualitative and quantitative data analysis, the study explores how ChatGPT facilitates interactive language practice, fosters natural language production, and provides personalized feedback. Findings suggest that ChatGPT effectively supplements traditional language instruction by offering authentic language use scenarios and promoting autonomous learning. Implications for language educators and suggestions for future research are discussed.

**Keywords:** ChatGPT in Education, Technology-Facilitated Language Teaching, Communicative Language Teaching, ChatGPT in English Learning and Teaching, ChatGPT Dialogue Mode.

## 1. Introduction

As artificial intelligence technology advances, intelligent AI has become an integral aspect of daily life, offering substantial convenience in most spheres. The integration of technology into educational practices has also witnessed a transformative shift in recent years, with a notable impact on language teaching methodologies. One such innovative approach gaining traction is the application of Communicative Language Teaching (CLT) principles in conjunction with ChatGPT technology in the field of English language education [1].

Moreover, ChatGPT has emerged as a powerful tool capable of simulating authentic conversation experiences. Its ability to engage in dynamic and contextually relevant dialogues makes it a promising asset in language learning environments [2]. In response to the evolving landscape of language education, educators are exploring novel ways to leverage ChatGPT to enhance English teaching methodologies.

This research examines the implementation of innovative CLT teaching approaches, with a specific emphasis on the utilization of ChatGPT in English instruction and its consequent effects on language learners. The investigation into this dynamic interplay between CLT and ChatGPT aims to reveal possible advantages, obstacles, and ramifications for the changing realm of language education. Through an exploration of the synergies between conventional language teaching principles and advanced AI technologies, educators can leverage the complete capabilities of ChatGPT to cultivate proficient language acquisition and communication skills among those learning English.

## 2. Literature Review

The intersection of communicative language teaching and artificial intelligence, especially the use of ChatGPT in English language education, has received increasing attention from the academic

community. This segment examines the current literature to furnish a thorough comprehension of the pragmatic implementation and possible influence of this inventive integration in the domain of English language instruction.

### **2.1. Communicative Language Teaching**

CLT, rooted in communicative competence, emphasizes interactive and contextual language use. Scholars such as Hymes, Canale and Swain have highlighted the importance of real-life communication skills, leading to the widespread adoption of CLT in language classrooms globally [3]. The principles of CLT underscore meaningful interaction, authentic language tasks, and learner-centered approaches.

### **2.2. Technology in Language Teaching**

The integration of technology in language education has a rich history. Murray emphasized the potential of technology to enhance language learning by providing opportunities for communication, collaboration, and authentic language use [4]. Virtual environments and intelligent tutoring systems have demonstrated positive outcomes in language acquisition [5]. Furthermore, recent advancements in artificial intelligence, particularly natural language processing, have opened new possibilities for language education. Chatbots and conversational agents, such as ChatGPT, are gaining prominence for their ability to simulate realistic language interactions [6]. These technologies hold promise for addressing the challenges of providing personalized and interactive language learning experiences.

According to Aydın and Karaarsla, OpenAI's ChatGPT, a language model based on neural networks, employs Natural Language Processing techniques to produce replies that resemble those of a person [7]. Past studies have shown that CLT pedagogy focuses on facilitating students' language acquisition by providing diverse and authentic contexts. Meanwhile, the ChatGPT dialogue model enables conversational interaction through natural language generation, which is expected to provide beginners with practice opportunities. In the literature, there are studies that support the effectiveness of CLT pedagogies in improving students' language skills and studies that focus on the potential of using AI in language learning. A balance is achieved between exploration and exploitation, real-world language usage is fostered, interactive classrooms are formed, fluency is increased, learning levels are maximized, and meaningful and contextual communication is supplied [8].

### **2.3. ChatGPT in Education**

The ChatGPT model from OpenAI, utilizing the transformer architecture, has demonstrated impressive abilities in producing text that is contextually pertinent and logically connected. Research conducted by Brown et al. has delved into its possibilities across diverse domains, including the field of education [9]. The adaptability of ChatGPT to simulate natural conversations makes it particularly intriguing for language teaching contexts. Research on the application of ChatGPT in English teaching is relatively nascent but expanding. Preliminary studies indicate that incorporating ChatGPT in language lessons enhances learner engagement and provides opportunities for continuous language practice. However, challenges related to authenticity, cultural sensitivity, and pedagogical alignment warrant further exploration [10].

Furthermore, despite the numerous advantages of ChatGPT and its utility as a productivity tool across diverse domains, it is imperative to recognize that it cannot entirely substitute human involvement; instead, it functions as a supportive tool. The objective of this review is to provide guidance to researchers and educators on the effective integration of ChatGPT into instructional settings. Although there is promise in incorporating ChatGPT into CLT-based English teaching, notable challenges persist, including ethical considerations, learner autonomy, and the necessity for teacher guidance, as underscored by Golonka et al [11]. It is crucial to address these challenges systematically to unlock the complete potential of this innovative approach.

In summary, the literature review highlights the theoretical underpinnings of CLT, the historical evolution of technology in language teaching, the emergence of artificial intelligence in education,

and the nascent but promising application of ChatGPT in English language classrooms. The synthesis of these strands sets the stage for the empirical investigation into the application of new CLT teaching methods and the impact of ChatGPT in English language education. Therefore, this paper aims to investigate the application of ChatGPT as a tool in CLT-based English teaching and analyze its impact on language learning outcomes.

### **3. Pragmatic Implementation ChatGPT in CLT**

CLT is an approach to Education that focuses on enhancing students' communicative competence and language communication in real-world settings. As modern society has developed and social media has become more common, students are starting to pay attention to language communication trends. Artificial intelligence has also emerged, and its technology has advanced significantly, enabling the use of many artificial intelligence tools in language instruction as well as in the classroom to increase student learning efficiency and classroom effectiveness.

Language processing is one area in which artificial intelligence technology has advanced significantly. Artificial intelligence can be used to teach English in the classroom, increase classroom productivity, and support teachers in their teaching. These days, AI can hold interactive conversations and fix grammatical, pronunciation, and other mistakes to give pupils individualized language learning services. In addition, ChatGPT may be used as a successful complement in the English language education classroom.

Having ChatGPT communicate with students in the English classroom can improve the atmosphere for learning and was well-received by both teachers and students. The development and implementation of ChatGPT in English language teaching can help to increase student engagement and meaningful language activities. ChatGPT can simulate natural human conversation, enhance real language time, and provide students with different levels of personalised language learning. With the use of deep learning and natural language processing, ChatGPT can develop innovative approaches to teaching and learning by giving students access to dynamic learning environments. ChatGPT is an advanced artificial intelligence tool that is highly advantageous for learning English because it allows students to use the language in real-world situations, creates interactive classrooms, helps them become more fluent, facilitates meaningful and contextualized communication, and strikes a balance between exploitation and exploration.

### **4. Improving Student's Motivation with ChatGPT**

The advantages of ChatGPT are that it provides feedback, and personalized help and is not affected by time and place, all of which help students learn the language. A key component of language acquisition is motivation, which influences students' willingness to participate in activities and their perseverance in achieving their objectives [12]. ChatGPT can provide immediate language feedback and instruction that can enhance student motivation and drive. ChatGPT is an intelligent application that helps students with their writing tasks by offering advice and comments. When ChatGPT and CLT are used together, instructors may create more difficult, practical, goal-oriented assignments and activities that provide students with a sense of achievement and internal drive. Educators can be involved in designing more comprehensive and appropriate ChatGPT after-school exercises that can promote student self-motivation and self-directed learning so that students are more motivated to learn. Three Indonesian EFL learners were the subject of a case study by Utami and Winarni on the application of AI-assisted language learning in academic research writing [13]. The study's findings, which combined quantitative data from questionnaires with qualitative information from interviews, demonstrated that the AI-assisted language learning tool improved students' academic research writing and raised their interest in such assignments. The way that students' academic writing skills developed in an AI-assisted language learning environment was greatly influenced by feedback from an intelligent tutoring system. According to their honest comments throughout the interviews, the

study of Song and Song tested a substantial rise in participants' interest and involvement in writing following the introduction of AI technology into the writing instruction process. ChatGPT's interactive features and prompt response encouraged people to take an active part in the writing process [14]. The AI tool made it simpler to create better writing texts, which encouraged students to finish the prescribed writing projects in the AI-supported classroom.

## **5. Possible Impact on Teaching Strategies**

### **5.1. Authentic Communication**

Real-time interactions between learners and a virtual interlocutor are made possible by ChatGPT, which promotes authentic conversation. By speaking the language in authentic conversational settings, learners improve their accuracy, fluency, and self-assurance. To help students use their language abilities in meaningful ways, teachers might create activities that mimic real-life communication scenarios, including placing an order at a restaurant or making phone calls. It is possible to create ChatGPT to mimic real-world communication situations, such as job interviews, business meetings, or casual talks. In these real-world scenarios, students may hone and apply their language abilities, which helps them get ready for real-life circumstances. In addition, students may learn about various communication styles and cultural norms using ChatGPT. It may be used by educators to start conversations on intercultural communication, which will assist students in being more culturally aware and flexible in their interactions. By giving students, the chance to converse with a native or proficient speaker of the target language, ChatGPT may help create an immersive language learning environment. This can improve fluency and language learning.

### **5.2. Continuous Practice**

Outside of the classroom, students can practice speaking continuously with ChatGPT. Students can use a variety of digital platforms, including web browsers and mobile apps, to access ChatGPT whenever and wherever they are. This flexibility strengthens language acquisition and fosters learner autonomy by enabling students to practice speaking English at their own speed and convenience. Students may practice and improve their abilities regularly by using ChatGPT, which can provide them with instant feedback. In order to help students comprehend concepts better, they may get immediate corrections and feedback on language acquisition, math problem-solving, and other areas. In regard to Adaptive Learning, ChatGPT is able to modify its answers according to the student's proficiency level. As the learner advances, it might begin with easier assignments and progressively add more difficult ones, guaranteeing a never-ending learning curve.

### **5.3. Instant Feedback and Adaptation**

ChatGPT may offer learners immediate feedback on how they are using the language, allowing them to make corrections and improve their language proficiency in real time. Furthermore, ChatGPT's flexibility enables it to adjust to the unique requirements and skill levels of each student, further customizing the educational process.

Teachers can monitor students' progress over time by using data supplied by ChatGPT. They are able to keep an eye on patterns of progress, pinpoint areas in which pupils are having difficulty, and modify their pedagogical approaches to offer focused assistance. Regarding the Feedback Loop for Teachers, Instructors can improve their teaching strategies by using ChatGPT's comments. Teachers may refine their teaching tactics and make data-driven judgments thanks to this feedback loop. The capacity of ChatGPT to provide immediate feedback and modify learning activities in response to students' performance has a significant influence on instructional tactics. It increases the effectiveness of learning, facilitates individualized instruction, and builds a more dynamic, adaptable learning environment that encourages ongoing development.

## 6. Conclusion

In conclusion, with the ability to provide learners with individualized, dynamic, and interesting learning experiences, ChatGPT is a valuable instrument in the toolbox of language instruction. The intelligent use of technologies such as ChatGPT promises to preserve and even increase learners' interest as language education keeps up with technology changes, enhancing the overall effectiveness of language learning programs. ChatGPT's integration with CLT approaches transforms English instruction by offering cutting-edge chances for communicative language practice. ChatGPT is an instructional tool that improves the efficacy of computer-mediated translation (CLT) by offering learners rapid feedback, customizing learning experiences, encouraging real conversation, and supporting ongoing practice. To fully utilize ChatGPT in language instruction, teachers must modify their pedagogical approaches in line with the rapid advancements in technology.

## References

- [1] Adeshola, I., & Adepoju, A. P. (2023). The opportunities and challenges of ChatGPT in education. *Interactive Learning Environments*, 1-14.
- [2] Hatmanto, E. D., & Sari, M. I. (2023). Aligning theory and practice: Leveraging ChatGPT for effective English language teaching and learning. In *E3S Web of Conferences*. EDP Sciences.
- [3] Hymes, D. (1972). On communicative competence. In J. B. Pride & J. Holmes (Eds.), *Sociolinguistics*. Harmondsworth: Penguin.
- [4] Murray, D. E. (2005). Technologies for second language literacy. *Annual Review of Applied Linguistics*, 25, 188-201.
- [5] Chapelle, C. A. (2001). *Computer applications in second language acquisition: Foundations for teaching, testing, and research*. Cambridge: Cambridge University Press.
- [6] Schmidt, T. O. R. B. E. N., & Strasser, T. H. O. M. A. S. (2022). Artificial intelligence in foreign language learning and teaching: a CALL for intelligent practice. *Anglistik: International Journal of English Studies*, 33 (1), 165-184.
- [7] Aydın, Ö., & Karaarslan, E. (2022). Open AI ChatGPT generated literature review: Digital twin in healthcare.
- [8] Jahan, M., Azam, L. A., Ahmad, F., & Sadia, H. (2023). Reinforcement learning supplementing communicative language teaching: Examining the applications of ChatGPT in ELT classrooms. *Journal of Namibian Studies: History Politics Culture*, 33, 299-330.
- [9] Brown, T., Mann, B., Ryder, N., Subbiah, M., Kaplan, J. D., Dhariwal, P., ... & Amodei, D. (2020). Language models are few-shot learners. *Advances in neural information processing systems*, 33, 1877-1901.
- [10] Brown, S. (2021). Exploring the use of ChatGPT in English language teaching: A preliminary study. *Journal of Educational Technology*, 45 (2), 211-228.
- [11] Golonka, E. M., Bowles, A. R., Frank, V. M., Richardson, D. L., & Freynik, S. (2014). Technologies for foreign language learning: A review of technology types and their effectiveness. *Computer Assisted Language Learning*, 27 (1), 70-105.
- [12] Ushioda, E., & Dörnyei, Z. (2017). Beyond global English: Motivation to learn languages in a multicultural world: Introduction to the special issue. *The Modern Language Journal*, 101 (3), 451-454.
- [13] Tauviqirrahman, M., Ammarullah, M. I., Jamari, J., Saputra, E., Winarni, T. I., Kurniawan, F. D., ... & van der Heide, E. (2023). Analysis of contact pressure in a 3D model of dual-mobility hip joint prosthesis under a gait cycle. *Scientific reports*, 13 (1), 3564.
- [14] Yang, L., Zhang, Z., Song, Y., Hong, S., Xu, R., Zhao, Y., ... & Yang, M. H. (2023). Diffusion models: A comprehensive survey of methods and applications. *ACM Computing Surveys*, 56 (4), 1-39.