Application of chatgpt intelligent translation technology in College English translation teaching

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Abstract: in the era of rapid development of information technology, education informatization has become the trend of education and teaching reform. College English teaching should conform to the development of the times, flexibly apply chatgpt intelligent translation technology in College English translation teaching, and then improve the overall quality of English translation teaching. Based on this, this paper will focus on the application of chatgpt intelligent translation technology in College English translation teaching.

Key words: chatgpt intelligent translation; College English; Translation; teaching

Introduction: the artificial intelligence translation represented by chatgpt technology has its own unique advantages, and has attracted the attention of teachers in the process of its application in the field of higher education. With the assistance of chatgpt intelligent translation technology, practical teaching activities in College English translation practice teaching can be more comprehensive, systematic and organized, and promote the overall quality of English teaching.

1. Overview of chatgpt intelligent translation technology

Chatgpt, whose full name is chat generative pre trained transformer, is a chat robot program developed by openai and a natural language processing tool driven by artificial intelligence technology. As a new tool based on artificial intelligence technology, chatgpt has the ability of language understanding and text automatic generation, and can connect a large number of corpora through its own data processing model, so as to communicate with people in different scenes. With the continuous development of science and technology, artificial intelligence, as the representative of the new generation of science and technology, is attracting more and more attention. Artificial intelligence is a technology that enables machines to think, learn and perform tasks like humans. It is widely used in various fields, including medical treatment, finance, military, transportation, education and so on. Chatgpt also uses some distinctive AI technologies, such as speech recognition, emotion analysis, dialog flow guidance, emotion expression and dialog content generation. These AI technologies can help chatgpt express correct emotions and thoughts in chat without being too formal or inappropriate. The basic principle of chatgpt is to use neural networks to analyze text information and generate replies according to the context. Chatgpt is not only a chat robot, but also can write emails, video scripts, copywriting, translation, code and other tasks. Applied in the field of education and teaching, it can give full play to its advantages of efficiency, speed, intelligence, diversity of functions and communication ability in College English teaching, improve the quality of College English teaching, and promote the effectiveness of translation teaching.

2. Application advantages of chatgpt intelligent translation technology in College English translation teaching

2.1 Improve students' cultural literacy

English translation course can take English translation activities with high degree of freedom as the carrier to carry out targeted training on students' translation ability. Under the background of English translation teaching reform and innovation, teachers pay more attention to the improvement of students' cultural level in English teaching, so that students can improve their cross-cultural awareness in the process of English learning and meet their learning needs. At present, the coverage of artificial intelligence technology is gradually expanding. Introducing it into College English translation teaching can improve students' cultural literacy. Introducing chatgpt technology into the process of improving students' learning and application ability can not only improve students' cognition, improve students' knowledge level, but also provide intelligent suggestions for students' learning and planning. Chatgpt intelligent translation technology can be used as a teaching resource to expand the application in students' learning process, broaden students' vision and improve students' enthusiasm for English learning. In the past, most middle school students used translation software to translate. With the help of artificial intelligence technology, students can master more practical translation skills in word meaning conversion, language application, scene application and other aspects, promote their understanding of the cultural differences between China and the west, and improve students' cultural literacy.

2.2 Promoting students' Differentiated Development

College English teaching is divided into translation, reading and writing. Translation teaching is a practical teaching link, which requires students to master certain skills and accumulate a lot of experience. Teachers also need to create good teaching situations for students to deepen their impression and master practical translation skills. The most common problems of students in translation teaching are semantic understanding errors, sentences are not smooth, vocabulary and grammar errors, etclanguage understanding And text generation ability, which can achieve excellent translation, smooth word order and reduce hard errors in translation. The assistance of artificial intelligence can also promote the personalized and differentiated development of students. Different suggestions are given according to the different learning characteristics of students, and more diversified and diversified personalized learning aids are provided according to the course content. At the same time, chatgpt, as an artificial intelligence application with a large amount of computation, can provide students

with more information about industry skills and knowledge related to course content and development trends, and promote students' learning and practice.

2.3 Improve students' learning effect

English, as a kind of language discipline, is different from Chinese in the way of thinking and language use. In the process of translation between Chinese and English, students will find it difficult to change their language habits and the translation content into another language. In the practice of translation, there will be some ambiguity, which will lead to the decline of students' translation practice effect. With the help of artificial intelligence such as chatgpt, students can accurately obtain the correct translation content with the help of intelligent software, and realize that translation not only needs to recognize vocabulary, but also needs to actively integrate their own skills and thinking. Under the background of artificial intelligence, students pay more attention to the application of thinking ability and language habit conversion ability in their own translation, so as to improve their English ability.

ChatGPT College Student Training		
	Ability	Application Scenario
1	Learning content design planning	Provide cutting-edge disciplinary advice and content support.
2	Intensive exercise of learning content	Provide more targeted diversified, multiform, and personalized exercises for unit modules of the course.
3	Application of learning ability	Implement intelligent layout of metacognitive learning methods and strategies, supplement missing metacognitive parts of different students, and self-adjust methods and strategies.
4	Course assignments	After the teacher constructs the layout of module knowledge points, students provide personalized assignments based on the modules, and the generated assignments are closely related to the latest social development trends and practices.
5	Course Examination	The exam is more flexible, reducing cheating and copying, and evaluating both the hardware and software capabilities of the exam.
6	Learning Practice	Each content knowledge module is closely related to today's development, and provides relevant industry knowledge, skills, and cutting-edge industry dynamics.
7	Quality and ability evaluation	Quality and ability assessment is more cash and quantitative, and future ability assessment and improvement suggestions are provided through game quiz practice.
8	Article Writing	Obtaining relevant references and case studies for student composition and thesis writing, making it more efficient to practice.
9	Career guidance planning	Conduct simulated interviews and screening based on personalized student abilities, and provide learning practice planning strategies that are not replaced by intelligent devices.
10	Practice	Linking enterprise and organizational resources to more intelligently align capabilities and work needs.
11	Learning and life time management	The bracelet links data transmission and quantifies the output of indicators such as life health to provide timely reminders and suggestions.
12	Mental health counseling	Automatically generate psychological assessments based on personal reactions, and provide support and suggestions.

Figure 1 Application of chatgpt in the cultivation of College Students

3. Application strategy of chatgpt intelligent translation technology in College English translation teaching

3.1 Enrich teaching content and extend teaching resources

In College English teaching, artificial intelligence technology can apply the intelligent teaching resource platform to enrich teaching content and extend English teaching resources. With the support of chatgpt intelligent technology, it can realize the positioning, screening and automatic selection of resources, improve the attraction of English courses to students and promote the smooth development of students' learning activities. For example, when teachers carry out the translation teaching of environmental protection theme articles, chatgpt intelligent translation technology can realize the automatic matching of relevant articles, push environmental protection related teaching resources, such as books, articles, news, etc., provide students with more diversified choices, and maximize the extension of teaching resources. At the same time, the introduction of artificial intelligence technology can also cultivate students' bilingual conversion ability and logical thinking ability, and the cognitive ability of complex articles can also be improved to a certain extent, so that students can get more harvest. For example, artificial intelligence technology can create a good teaching environment for students, help students clarify their translation ideas, guide students to adjust the word order of translation and process the text, and ensure that students' translation ability is significantly improved.

3.2 Design translation activities and improve translation skills

The application of chatgpt intelligent translation technology in College English translation teaching practice is an innovation under the informatization teaching reform, which can not only promote the enrichment of teaching forms, but also bring more convenience to students

and teachers. For example, in the course assignment, teachers can apply AI technology to construct knowledge points and provide modular layout. AI technology can provide personalized assignments for students on this basis, supplement information and extend knowledge related to homework or class content for students, making teaching more flexible and the effectiveness has been greatly improved. With the help of chatgpt intelligent technology, teachers can adjust the translation teaching content in real time according to the actual teaching progress, which is convenient for students to master the translation skills and knowledge flexibly and improve the effectiveness of translation teaching. Specifically, teachers can guide students to correctly apply chatgpt intelligent translation technology, complete translation tasks, and summarize translation skills. For example, teachers can apply chatgpt's speech recognition technology to translate articles or long and difficult sentences into the required language. With the help of chatgpt's more intelligent and natural language translation ability, we can get better results with the help of translation functions. We can also extend different semantic and grammatical application scenarios of words through artificial intelligence, leading students to expand knowledge and draw inferences from one instance. The effectiveness of students' English translation practice can be improved. In College English translation teaching, the most important learning content is to translate smoothly between Chinese and English and master translation skills, which is consistent with the concept of chatgpt intelligent translation technology. With the help of AI technology, AI can develop more personalized services for students, strengthen students' lack of ability, bring better learning plans for teachers and students through learning, supplement students' cross-cultural awareness and Chinese English conversion skills, and summarize translation experience for students. Teachers should also actively organize translation theme teaching, design innovative teaching practice activities, break through the limitations of previous teaching modes, and improve teaching effectiveness with the help of chatgpt intelligent translation technology.

3.3 Strengthen the construction of teachers and promote modern teaching

Teachers' teaching level and information technology level are related to students' learning progress and learning quality. Therefore, as college English teachers, they should enrich their teaching ability, improve their information technology level, improve the quality of education and ensure the reform of educational modernization. First of all, teachers should focus on the learning of information education ability under the background of information technology, actively participate in the daily training of colleges and universities, constantly enrich themselves in daily teaching, strengthen learning, establish the consciousness of lifelong learning, fully tap more teaching resources, and explore more practical ways of artificial intelligence technology in English translation teaching. College English teachers should fully understand students' interests and hobbies, analyze students' psychological development level, and promote their learning ability. Therefore, teachers need to build a teaching atmosphere suitable for teacher-student communication, understand the actual level of students, formulate a teaching plan suitable for students, and arrange the application of chatgpt intelligent translation technology in the appropriate teaching link, so as to improve the quality of English translation teaching. Specifically, teachers not only need to fully understand the students' learning situation and formulate a plan suitable for College English translation teaching according to the learning situation, but also need to master network technology, fully understand the application scenarios and methods of AI technology in teaching, and reasonably use the assistance of network information technology and AI technology to break through the key and difficult points, Dynamically adjust the teaching strategies and methods of English translation in teaching, and effectively promote the reform of modern teaching.

3.4 Attach importance to cultural education and improve teaching quality

Language and culture teaching are closely related and inseparable. As college English teachers, we should not only clarify the significance of culture teaching in English teaching, but also help students establish correct cultural awareness, improve cultural literacy, ensure students' cultural accumulation, and improve the effectiveness of translation teaching. In translation teaching practice, we often encounter content related to Chinese and Western culture in articles, texts and extracurricular reading, which requires students' daily cultural accumulation, translation learning on the premise of full understanding, and expanding their own translation experience. With the help of chatgpt intelligent translation technology, Teachers can obtain different cultural knowledge related to the teaching content in real time under the Chinese and English cultural background. Through the dialogue with chatgpt, they can obtain more cultural resources, which makes it easier for students to accept this kind of cultural knowledge, expands their own cultural level, deepens the impression of various cultural knowledge, and improves the effectiveness of translation teaching.

Conclusion: under the background of artificial intelligence, College English teachers should apply chatgpt intelligent technology in translation teaching, and make full use of intelligent technology in arranging teaching tasks, designing teaching plans and teaching links, so that chatgpt intelligent technology can provide scientific guidance for teachers' student management, promote the progress of translation teaching efficiency, and better play the role of artificial intelligence, Promote the improvement of education quality.

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