

# Research on the Reform of College English Translation Teaching from the Perspective of Artificial Intelligence

Yu Shi

School of Foreign Languages, Southwest University of Political Science and Law, Chongqing 401120

---

**Abstract:** The rapid development and wide application of artificial intelligence have brought opportunities and challenges to college English translation teaching. From the perspective of artificial intelligence, it is necessary to reform the teaching of English translation in colleges and universities, and based on the perspective of artificial intelligence, it is very necessary and important to study the reform strategy of English translation teaching in colleges and universities from the aspects of the understanding of the teaching subject, the construction of teaching infrastructure, the construction of teaching methods and evaluation system. Deepening the understanding and understanding of artificial intelligence translation technology, strengthening the construction of artificial intelligence translation platform, strengthening the deep integration of specialty and technology, and improving the importance of curriculum evaluation on artificial intelligence, can give full play to the role of artificial intelligence in promoting the reform of English translation teaching in colleges and universities, constantly update the educational concept of English translation major in colleges and universities, strengthen the level of scientific research, so as to cultivate compound talents that meet the needs of social development.

**Keywords:** Artificial intelligence; College teaching; English translation; Teaching reform

---

With the rapid development and wide application of artificial intelligence, profound changes have taken place in English translation teaching in colleges and universities, and the teaching of English translation in colleges and universities has entered a new stage. Therefore, it is urgent to analyze the role of artificial intelligence in promoting the reform of English translation teaching in colleges and universities, and to explore the strategies of English translation teaching reform in colleges and universities from the perspective of artificial intelligence<sup>[1]</sup>. Starting from the concept, technology, methods, evaluation and other aspects of reform and innovation, so as to further improve the level of teaching achievements of English translation major in colleges and universities, and constantly cultivate the compound talents who make good use of new technologies and new methods.

## 1. Analysis on the Necessity of College English Translation Teaching Reform from the Perspective of Artificial Intelligence

With the continuous development of computer technology and information technology, artificial intelligence is gradually applied in the field of education. Artificial intelligence teaching can make students learn English in a more vivid, more independent and more convenient form with the assistance of computers, and can also liberate teachers from heavy teaching tasks, thus having more time for teaching reflection and scientific research, and being able to gain more teaching experience from practice.

With the continuous development of artificial intelligence technology, machine translation has gradually become a popular way of translation. Compared with the traditional manual translation, this method has the advantages of fast speed, high accuracy and high translation quality. It is necessary to introduce this technology in English translation teaching in colleges and universities to help English translation teachers make better use of modern information technology to carry out teaching work and improve the level of English translation teaching in colleges and universities.

At the same time, college students need to learn natural language processing technology, speech recognition, emotion analysis and other related translation technologies, adapt to the future translation work of human-computer mutual assistance operation process, the use of speech recognition technology to automatically identify the speech information in the text, in order to better understand and

remember the translation information.

In short, the introduction of artificial intelligence into college English translation classroom can enable students to adapt to the technical needs of today's translation work, provide new ideas and new methods for the reform of college English translation teaching, and promote the reform and development of college English translation teaching mode, teaching methods and evaluation methods.

## **2. Research on the Reform Strategies of College English Translation Teaching from the Perspective of Artificial Intelligence**

### **2.1 The Cognition of Teaching Subjects: Deepening the Cognition and Understanding of Artificial Intelligence Translation Technology**

At present, the application of artificial intelligence technology in the field of translation has been very extensive, in the press and publication, legal translation, medical translation, business translation, machinery manufacturing and other fields have been widely used [2]. For example, intelligent speech recognition technology can recognize speech as text and convert it into text, while machine translation technology can collect massive amounts of text through the Internet, analyze and understand it, and then use machine translation algorithms to generate translations. College English students should deepen their knowledge and understanding of artificial intelligence translation technology to meet the needs of the future translation industry, so as to improve their professional skills and level and enhance their competitiveness in the workplace.

In this context, college English teachers should fully realize the great application prospect of artificial intelligence technology in the field of translation. English teachers should recognize the importance of artificial intelligence technology in the field of English translation. At present, artificial intelligence technology is developing rapidly, and the integration of artificial intelligence technology and translation field is becoming more and more close. Intelligent speech recognition technology, machine translation technology and semantic analysis technology can provide help for English translation teaching in colleges and universities [3]. In machine translation, artificial intelligence can realize functions such as automatic information extraction, automatic machine error correction, and automatic evaluation. In the aspect of semantic analysis, intelligent semantic analysis technology can help teachers find and solve the problems of students in the process of English reading. In the aspect of auxiliary teaching, the intelligent teaching assistant system can realize the functions of automatic correction of homework, intelligent correction of examination papers, intelligent marking and so on.

College English teachers can make full use of artificial intelligence to improve classroom efficiency. Intelligent courseware can help teachers optimize teaching content and design teaching process. Intelligent teaching platform can help teachers to achieve teacher-student interaction and student-student interaction. Intelligent multimedia courseware and intelligent practice system can provide students with a large number of practice opportunities. College English teachers should also actively explore and apply artificial intelligence technology to improve teaching quality and efficiency in order to better meet the needs and development trends of students.

### **2.2 Construction of Teaching Infrastructure: Strengthening the Construction of Artificial Intelligence Translation Platform**

Artificial intelligence translation platform can help students learn English translation better and cultivate their autonomous learning ability. At present, most colleges and universities have built artificial intelligence translation platforms, but most of them use traditional teaching software, but the function of the software is relatively single, and it can only complete basic language learning tasks, such as simple grammar and vocabulary learning, which is helpful to improve students' English translation level. Colleges and universities urgently need to strengthen the construction of artificial intelligence translation platform for English majors in colleges and universities.

### **2.3 Teaching Method System: Strengthening the Deep Integration of Specialty and Technology**

The traditional teaching method is mainly for teachers to explain and analyze the text in class, and students mainly practice and consolidate themselves through translation exercises. This teaching mode lacks teacher-student interaction and personalized teaching. It is urgent for schools and teachers to strengthen the deep integration of English translation major and artificial intelligence technology [4]. The application of artificial intelligence in English translation teaching can not only improve students' autonomous learning ability, but also provide more resources, so that students can better master translation skills, improve the accuracy and fluency of English expression, and better grasp the knowledge structure, grammar and vocabulary.

The traditional evaluation of English translation teaching is mainly to evaluate the students' examination results, but this evaluation

system can not truly reflect the students' learning state. Therefore, in the perspective of artificial intelligence, in order to better adapt to the needs of society, college English translation teaching needs to build a teaching evaluation system with "process" as the core, and it needs to innovate in the evaluation subject, content and method.

In terms of the evaluation subject, it is necessary to improve the evaluator's attention to artificial intelligence translation technology, and increase the proportion of artificial intelligence technology in the evaluation of students' teaching, so as to promote students' understanding and application of the technology. In terms of evaluation content, the evaluation of English translation teaching from the perspective of artificial intelligence should pay attention to the assessment of students' learning process and effect, and reorganize the curriculum evaluation standards and evaluation system. As the application of artificial intelligence translation technology in English classroom is still in the preliminary stage, it is necessary to continuously collect feedback from English teachers and students, and constantly optimize the rationality and scientificity of evaluation content. In terms of methods, in order to better play the role of the evaluation system of English translation teaching from the perspective of artificial intelligence, it is necessary to innovate the traditional evaluation methods and make comprehensive evaluation by means of diversification and personalization.

## Epilogue

With the rapid development and wide application of artificial intelligence technology, the reform of college English translation teaching has entered the deep water area. College teachers need to keep pace with the times, change the traditional teaching mode and educational concept, actively update the educational concept and improve the knowledge structure, and apply artificial intelligence to the practice of college English translation teaching. With artificial intelligence resources as the background, we should construct the teaching content system, establish the teaching method system and build the teaching evaluation system, so as to better promote the reform of college English translation teaching.

## References:

- [1] Dai Liying. Research on Translation Teaching Strategies of English Translation Majors under the Background of Artificial Intelligence [J]. Journal of Hebei Institute of Software Technology, 2022,24(02):53-56.
- [2] Wang Zhenlong. Innovative Strategies of English Teaching under the Background of Artificial Intelligence Translation [J]. Journal of Chongqing Electronic Engineering Vocational College, 2021,30(06):124-128.
- [3] Kou Peiyu, Li Hongyan. Research on the Reconstruction of College English Teaching Mode under the Background of Artificial Intelligence [J]. Forest Teaching, 2022(8):88-91.
- [4] Jiang Xiaoling, Zhou Xinyun. Research on the Reform and Practice of Public English Teaching in Higher Vocational Colleges under the Background of Artificial Intelligence [J]. Journal of Hubei Open Vocational College, 2023,36(2):186-188.

## About the author:

Yu Shi , female, 1991, Han, Chongqing, School of Foreign Languages, Southwest University of Political Science and Law, lecturer, master's degree, English teaching method