

A Practical Study of English Translation Activity Course in the Context of Artificial Intelligence

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Abstract: As a key subject type in current higher education, the importance of college English is beyond doubt, and its associated translation activity course is an important channel to effectively cultivate students' English translation ability. Therefore, if artificial intelligence technology can be integrated with it, the teaching efficiency can be further improved and the education needs in the new era development background can be matched. This paper briefly describes the main application directions of artificial intelligence in English translation activity course, and expounds the practical points of English translation activity course under the background of artificial intelligence from four perspectives: teacher team, translation activities, translation skills and module activities, hoping to provide some help for education workers.

Keywords: Artificial intelligence; English translation; Activity lesson

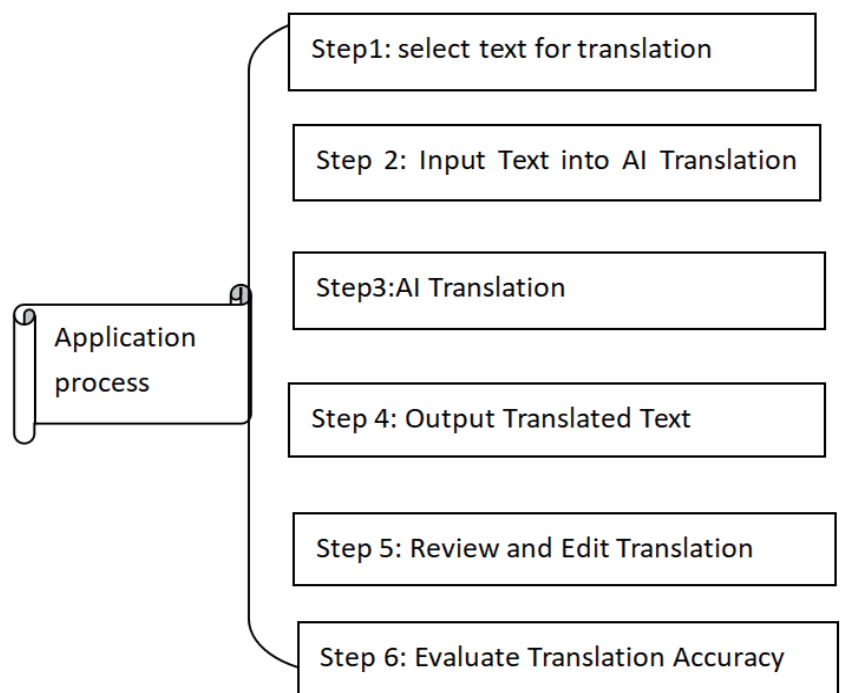
1. Introduction

In today's increasingly globalized world, English has become a crucial language for communication, business, and academic pursuits. Consequently, the demand for effective English language learning and teaching strategies has grown significantly. Traditional language learning methods often lack interactivity and personalized feedback, hindering learners' progress. However, recent developments in AI technology offer new opportunities to address these challenges and enhance language learning experiences.

2. Main application directions of artificial intelligence in English translation activity course

This section mainly illustrates the process of applying AI technology in translation activities in the context of a language learning class, as follows the flowchart1:

This flowchart represents the sequential steps involved in using AI technology for translation activities in a language learning class. The process begins with selecting the text that needs to be translated. The chosen text is then inputted into an AI translation tool, which performs the translation based on its machine learning algorithms. The output of the AI translation is then generated. To ensure the accuracy of the translation, the output is reviewed and edited by either the instructor or the learners. The quality and validity of the translation are evaluated in Step 6. Feedback is then provided



Flowchart 1: the application process of AI technology in the translation activity

to the learners based on the evaluation, helping them to improve their understanding of the translated text and their translation skills. This process can be repeated for additional text to further enhance learners' translation abilities. The flowchart concludes when all texts have been successfully translated and evaluated.

2.1 Expansion of educational resources

In order to quickly supplement the talent gap, the country should adjust the educational expansion measures, and then realize the rapid education goal transformation from elite to popular education mode. Based on the analysis of the current teaching situation, with the continuous expansion of the coverage of higher education, more attention should be paid to the further improvement of teaching quality, so as to avoid the situation of college students staying in society for a long time ^[1]. The emergence of artificial intelligence technology provides a new direction for the development of English translation activity courses, which plays a very important role in the training of translation talents, and provides high-quality English translation skills support in international trade and academic exchanges. From this perspective, the integration of artificial intelligence and English translation activity courses in colleges and universities can be used as a key tool to train high-quality translation talents, and has the characteristics of effectively broadening the channel of English education resources, and has broad prospects for development.

2.2 Strengthen facility construction

Big data technology and cloud computing technology are closely related to artificial intelligence technology, which can be integrated with English translation activities to create a real translation scene ^[2]. In order to further strengthen the practical effect of artificial intelligence, it is suggested that universities should carry out continuous facility optimization and industrial transformation from the performance perspective of offline learning system. For example, we can propose advanced learning systems, supplement artificial intelligence facilities, set up special funds for the purchase of facilities, and ensure that English teachers can obtain more powerful technical and facility support during the organization of translation activities, which is also an important basis for effectively improving the quality of education.

3. Analysis of practical points of English translation activity course in the context of artificial intelligence

3.1 Establish a team of teachers

In the process of organizing English translation activity classes based on artificial intelligence technology, teachers should ensure that they master more artificial intelligence operation technology and ensure that students can get timely tips when they encounter translation problems. Therefore, it is suggested to organize teachers to participate in concentrated technical training to ensure the effectiveness of English translation activity classes. Taking a university as an example, the English translation technology training Forum organized by the university put forward corresponding rectification suggestions for the difficulties faced by English colleges at the present stage ^[3]. Then, based on the form of academic exchange, English teachers were organized to carry out in-depth discussions on translation activity courses, which not only activated teachers' enthusiasm for curriculum innovation, but also provided corresponding help for the subsequent translation teaching to achieve the development goal of science and technology. Finally, the teachers elaborated the application advantages of artificial intelligence technology and devices around course management, provided guidance conditions for students' scientific management, effectively improved the management efficiency of activity courses, and ensured that both teachers and students could benefit from this activity. From the actual situation, through the centralized training, English teachers have been effectively improved in terms of both technical level and theoretical basis, thus clarifying the development direction of English professional talent cultivation and artificial intelligence, and students have also achieved the expected learning results in the translation activity class under the guidance of teachers.

3.2 Organize translation activities

Based on artificial intelligence technology, the innovation and reform goal of English translation activity course can be achieved. While improving the richness of activity course, it can also flexibly adjust the translation content based on the current learning situation, so as to ensure that students can obtain the corresponding translation knowledge after the activity course ^[4]. In general, under the application of artificial intelligence, the corresponding key technologies mainly include knowledge computing, speech recognition, computer vision, language processing and other technical contents. Teachers can provide students with the corresponding guiding conditions to complete the activity tasks by using artificial intelligence technology, so as to deepen students' in-depth understanding of English translation content. Taking speech recognition technology as an example, it can encourage students to translate the given English or Chinese directly into the required language through computer intelligent devices, which can play an important role in test-

ing the accuracy of students' translation results.

3.3 Mastering translation skills

Flexible translation between Chinese and English is the main purpose of English translation activity course, and interaction is the basic feature of the application of artificial intelligence technology. Therefore, it is necessary to make clear the close connection between artificial intelligence and English translation and develop a new development path, so as to avoid the excessive limitation of traditional mode and the decline of students' English translation ability. At the same time, since artificial intelligence itself has the corresponding emotional computing function, it can provide targeted services based on the sensory information displayed by students in the translation process to ensure that it can improve the learning experience in this process^[5]. In addition, on the basis of its powerful logical analysis function, artificial intelligence can also develop a series of design plans for English translation activities, ensuring that students can fully show their personality characteristics on the basis of effectively training cross-cultural thinking. In order to achieve the above goals, it is necessary to refine a series of skills in English translation activities, so as to achieve the integration goal of artificial intelligence technology, integrate more innovative elements into the activity process, and open up a new activity path.

3.4 Detail module activities

Students can have more choices under the application of artificial intelligence technology, and through scientific adjustment of students' learning progress, a series of implementation steps in the course of English translation activities can be refined to ensure that students can complete the corresponding translation tasks under the created good translation environment. It can be divided into three modules: management, teaching and evaluation. In the process of establishing teacher-student interaction, students can gradually develop this process into human-computer interaction, which shows more intelligent features than simple answer inquiry. Such forms can also relieve teachers' teaching pressure in activity classes^[6]. From the perspective of teaching resources, students can obtain translation materials with diverse characteristics in this process, and then form an understanding of the English characteristics of localization and Western culture on the premise of understanding the differences between Chinese and Western cultures, so as to deepen their understanding of translation content, ensure that students can get the basic conditions to adapt to the English translation environment, and reduce their personal tension. In the evaluation module, artificial intelligence can be used to carry out a comprehensive evaluation of grammar, semantic, structural analysis and other contents of the translation results in the classroom of students, so as to ensure that on the basis of providing objective and fair evaluation, students can take the initiative to find their own shortcomings and achieve purposeful and directional training goals. At the same time, students can take the initiative to obtain and use teaching resources to improve them in the process of participating in English translation activities. In conclusion, the close connection between English translation activity course and artificial intelligence can be used as the basic condition for in-depth reform and innovation of offline courses, and relevant education personnel need to pay more attention to this link.

4. Conclusion

In summary, based on artificial intelligence technology, higher quality translation links can be created in colleges and universities, which provides the basic conditions for students to improve their English translation ability. To this end, relevant managers need to formulate feasible teaching plans for English translation activities from the perspective of team, skills and modules, and integrate artificial intelligence technology to lay a solid foundation for improving students' comprehensive quality level.

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