



Research on the Reform of University English Translation Teaching Assisted by AIGC from the Perspective of Hainan Free Trade Port Area

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Abstract: The internationalization process of Hainan Free Trade Port is continuously accelerating. The demand for professional English translation talents in fields such as cross-border trade, foreign affairs communication, and cultural and tourism cooperation is becoming increasingly urgent. University English translation teaching, as a core link for cultivating students' cross-cultural translation abilities and meeting the needs of talents for the Free Trade Port, its teaching quality directly affects students' career competitiveness and the supply level of international talents for the Free Trade Port. Currently, university English translation teaching in Hainan universities has problems such as teaching content being disconnected from the Free Trade Port scenario, lack of targeted translation training, lagging error correction and feedback, and insufficient practical application. These issues make it difficult to meet the training requirements of the Free Trade Port for comprehensive translation talents. This paper, based on the background of Hainan Free Trade Port construction, proposes reform measures for AIGC-assisted university English translation teaching, providing practical references for the reform of university English translation teaching in Hainan universities, and helping to cultivate international talents for the Free Trade Port.

Keywords: Hainan Free Trade Port; AIGC; college English; translation teaching; teaching reform

1. Introduction

As an important window for China's opening-up, the Hainan Free Trade Port, leveraging the policy advantages of "zero tariffs, low tax rates, and simplified tax system", is gradually becoming an internationalized hub for the gathering of global capital, talents, and information. Cross-border business negotiations, international exhibitions, foreign affairs receptions, and cultural and tourism promotion and other foreign-related scenarios are increasing, presenting a diversified and specialized trend in the demand for English translation skills - not only do practitioners need to possess basic English-Chinese translation abilities, but they also need to master professional translation techniques in the fields related to the Free Trade Port, be able to accurately handle the translation of various texts such as policy documents, business documents, and cultural and tourism promotion, and avoid cross-cultural translation deviations. The rapid development of AIGC technology, with its powerful intelligent interaction, precise parsing, and scene generation capabilities, has injected new vitality into the reform of translation teaching.

2. Establish a specialized translation training system for AIGC + Free Trade Zone scenarios

Based on the core foreign-related scenarios of the Hainan Free Trade Zone, with the support of AIGC, a targeted and highly practical specialized translation training system will be constructed to achieve precise alignment between translation teaching and the actual needs of the Free Trade Zone. [1]Focus on the key areas of the Free Trade Zone, and clearly define three core translation scenarios and training priorities: First, the cross-border business translation scenario, which focuses on training the English-Chinese translation of business contracts, investment promotion documents, and cross-border e-commerce copywriting, etc. The AIGC tool can generate a large number of real texts that are in line with the business scenarios of the Free Trade Zone, covering the business expressions related to the policies of the Free Trade Zone, industry-specific vocabulary, and providing different styles of translation examples to guide students to master the rigor and standardization of business translation; Second, the cultural tourism promotion translation scenario, which is targeted at the construction needs of the International Tourism Island of Hainan, training the translation of scenic area introductions, cultural tourism promotional materials, and folk culture interpretations, etc. The AIGC can generate multiple versions of cultural tourism translation materials, combined with the local cultural characteristics of Hainan, guiding students to balance the accuracy and communicability of translation, avoiding the loss of cultural connotations; Third, the foreign affairs and policy translation scenario, which focuses on the translation of Free Trade Zone policy documents, foreign affairs letters, and

international exchange documents. The AIGC can simultaneously push the English expressions of Free Trade Zone policies, helping students master the seriousness and professionalism of policy translation.[2] During the training implementation, the AIGC can, based on the students' translation completion situation, real-time mark the translation difficulties and error-prone points, push specialized reinforcement exercises, and simultaneously simulate real translation scenarios, allowing students to complete time-limited translation tasks, improving translation speed and accuracy, and ensuring that students master the translation skills for different scenarios in the Free Trade Zone and adapt to the actual needs of the workplace.

3. Establishing an AIGC-assisted personalized translation correction and improvement system

To address the issues of uneven translation foundation among students and insufficient personalized guidance, a personalized translation correction and improvement system is constructed based on AIGC technology, aiming to achieve "precise correction, personalized guidance, and closed-loop improvement". Firstly, using AIGC tools, a comprehensive diagnosis of students' translation foundation is conducted. [3]By providing different levels of difficulty and various types of translation materials, the weak points in students' vocabulary combination, sentence structure, grammar application, and cultural transmission are analyzed. A personalized translation file is established, clearly identifying the improvement priorities for each student. Secondly, during the translation training process, after students submit their translation works, [4]AIGC can perform real-time comprehensive correction. It not only marks basic problems such as grammatical errors and inappropriate vocabulary combinations, but also provides precise comments on the accuracy, fluency, and cultural adaptation of the translation, offering optimization plans and revision suggestions. For example, for Chinese-style English translation issues, it can push idiomatic English expressions; for the problem of insufficient cultural connotation transmission, it can supplement relevant cultural background explanations and appropriate translation methods. At the same time, AIGC can automatically push personalized intensive training tasks based on students' weak points, such as vocabulary translation specializations, sentence structure conversion specializations, and cultural translation specializations, to specifically address students' shortcomings. Additionally, AIGC can build a personalized translation communication platform. Students can upload their translation works and raise translation questions. AIGC can respond and answer in real time, and at the same time, it can push translation materials and learning resources suitable for the students' level, guiding students to independently expand their learning and gradually improve their translation skills, achieving a closed-loop teaching process of "diagnosis - correction - training - improvement".

4. Establishing an AIGC-driven Integrated Teaching Model of "Translation + Practice"

To break the limitation of traditional translation teaching that emphasizes theory while neglecting practice, we will build an "translation + practice" integrated teaching model based on AIGC technology. [5]This model will enhance students' practical application skills in translation and achieve seamless connection between teaching and the workplace. On one hand, we will use AIGC to simulate real translation work scenarios in the free trade port, creating an immersive practical teaching environment. For example, we can simulate scenarios such as cross-border business negotiation translation, English interpretation for cultural tourism scenic spots, and simultaneous translation of policy documents. Students will act as translators and complete translation tasks in real scenarios. AIGC will provide real-time guidance and feedback to help students familiarize themselves with the translation process and requirements in the workplace, and improve their emergency translation skills and communication abilities. On the other hand, we will use AIGC to integrate real translation project resources in the free trade port, such as English signage translation, translation of policy publicity in the free trade port, and cross-border enterprise business document translation. We will introduce real projects into the classroom, and students will work in groups to complete translation tasks. AIGC will assist students in text analysis, translation optimization, and outcome review, cultivating their teamwork skills and project practice abilities. At the same time, AIGC can generate courses related to translation professional qualities, including translation etiquette, cross-cultural communication skills, and workplace translation norms, to help students enhance their professional qualities and adapt to the requirements of the free trade port translation position. Additionally, we will build an online and offline integrated practice platform based on AIGC. Offline, we will conduct scenario simulation practices. Online, we will use AIGC to complete after-class practice tasks, submit translation works, and obtain feedback and guidance. This will extend the practice teaching scenarios, allowing students to consolidate their translation skills and improve their practical application abilities in practice.

5. Conclusion

The internationalization construction of Hainan Free Trade Port has placed higher demands on university English translation teaching in the current era. [6]AIGC technology provides an efficient and convenient enabling path for translation teaching reform, effectively solving problems such as disconnection of scenarios, insufficient guidance, and weak practice in traditional translation teaching. In the future, we can further deepen the integration of AIGC and university English translation teaching, in line with the latest demands of the industrial development of Hainan Free Trade Port, optimize teaching content and practice models, strengthen the training of AIGC application ability of the teaching staff, promote the continuous deepening of university English translation teaching reform, and better serve the internationalization construction and talent cultivation strategy of Hainan Free Trade Port.

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