The Influence of Artificial Intelligence on French Interpretation Teaching and Its Development Prospect

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Abstract: As interpretation courses are generally offered in colleges and universities, French interpretation courses not only reflect the similarities between French interpretation courses and English interpretation courses, but also have many special features. With the development of science and technology, artificial intelligence translation tools are also the product of social development, which has a vital influence on both interpretation work and interpretation teaching. This paper not only introduces the situation of artificial intelligence translation products, but also introduces its influence on French interpretation teaching, which is the representative of minority language, especially it plays an important role. This paper also introduces methods on how to cultivate talents who are suitable for the current situation of social development. These talents should not only with high-level interpretation skills, but also with diversified and compound skills.

1. Introduction
With the further development of national strategies and educational policies such as "New Generation artificial Intelligence Development Plan", "China Education Modernization 2035" and "Manifesto on the Construction of New Liberal Arts", intelligent translation technology is advancing by leaps and bounds, and distance translation education is in full swing. Driven by artificial intelligence technology, great changes have taken place in the object, means, process and environment of translation, and the technical ability of translation has gradually become the basic ability of translation practitioners. The rapid development of translation technology has also brought great impact on translation work and foreign language teaching, especially for interpretation work and interpretation teaching courses, translation education in the new era is bound to make corresponding challenges. Under the new situation, how to continue to promote the in-depth development of the teaching and application of translation technology to meet the needs of personnel training and the industry has become an urgent topic to be discussed.

How to promote the integration and innovation of translation technology and translation education, promote the coordinated development of industry-university-research in translation education, cultivate compound language service talents, and clarify the development direction and needs of their own majors in the new era? This paper studies and analyzes the teaching and development prospect of French interpretation major in the era of artificial intelligence by taking French interpretation classroom as an example.

2. Current status of artificial Intelligence Translation Technology
Artificial intelligence (AI) was first proposed in the 1990s. After more than 70 years of development,
it has become a strategic technology leading the future, and it is constantly "injecting new momentum into economic and social development and profoundly changing people's production and lifestyle" (Xinhua.net, 2018). With the continuous innovation of science and technology, people have higher requirements for the quality and efficiency of interpretation and translation. In this case, the emergence of artificial intelligence translation has become an inevitable trend in this field, and plays a very important role in translation work. In fact, machine translation appeared as early as the early 1930s. P.P. Troyesky, a Soviet scientist, summed up the specific practical methods of machine translation and designed relevant experiments, but the experiments at that time were not successful [2]. With the arrival of the era of big data, the construction of bilingual corpora has greatly improved the quality and efficiency of machine translation, such as, Xiao translation and segmentation tower which has high accuracy from IFLYTEK company, the translation eggs produced by NetEase youdao that support the translation of Chinese, English, Japanese, Korean, French, Russian and Western languages. The mate 10 pro mobile phone which supports translation in more than 50 languages, the translation hardware such as Yunyueke (Transnbox) produced by evangelical Network Technology Co., Ltd., as well as French assistant, Google translator, Baidu translator, youdao translator, Tencent translator, Sogou translator, deepl translator, etc., as well as artificial intelligence translation software, including French translation function, are very ideal in terms of translation accuracy in daily life.

According to the industry trend chart of the 2019 China Intelligent Translation Industry Research report (figure 1), we can see that deep learning has changed the field of intelligent translation and greatly improved its translation quality. Intelligent translation has great potential for development, the advantages of high speed and high efficiency, and it can complete the translation of a large number of texts in a relatively short time, which greatly exceeds the speed of manual translation. It has a strong ability to store and translate professional or obscure words. It can handle the translation of dozens of languages, which is beyond the memory of the human brain and manual translation. In addition, the advantage of AI translation is that it is not constrained by time and place, and it can be translated uninterrupted anytime and anywhere, which greatly reduces the cost of human input. It is precisely because of these advantages that a number of translation software and translation products have been born in the market.

![Fig. 1 Chinese machine translation industry trend chart](image-url)

However, although AI translation technology is changing with each passing day, it cannot be translated completely and accurately, especially when faced with the complex sentence or word order of the target language, polysemy, or translation skills, and the speech recognition of intelligent translation and the autonomous reasoning, logic and judgment of translation are far from reaching the efficiency and accuracy of excellent professional interpreters. Therefore, AI voice translation and
manual interpretation have their own advantages and limitations, and the future translation will be a benign coupling and interaction between human and machine. At the same time, foreign language teachers should also pay attention to the influence of AI phonetic translation on traditional foreign language teaching, and effectively promote interpretation teaching through the improvement of multimedia application ability, the adjustment of training mode, the expansion of interpretation materials, cultural differences and the strengthening of emotional judgment training. Taking the French interpretation courses as an example, although there are many similarities between the French interpretation course and English interpretation course, the unique expressive characteristics of minority language and the unique culture of French-speaking countries require French interpretation teachers to take measures to improve teaching efficiency. The teachers should learn to use artificial intelligence technology to achieve the leap of French interpretation teaching from multimedia to intelligence, they should innovate the learning mechanism of French interpretation, create a universal learning experience and open up a new field of vision in French interpretation teaching.

3. Interpretation teaching with the assistance of artificial intelligence translation.

3.1 Using artificial intelligence translation technology to design a new idea French interpretation teaching course
In the process of training professionals, the application of AI translation to French teaching will help to improve teaching efficiency and cultivate compound talents who meet the needs of the artificial intelligence era. At present, there are still many related majors in colleges and universities that lack the understanding of the development of the times and the transformation of social needs, ignore the existence of AI translation, and still adopt a single traditional teaching mode. Taking the French interpretation class in the foreign language teaching course as an example, AI voice translation not only brings challenges, but also promotes the thinking of French teaching design. The core of French interpretation lies in the training of rigorous thinking, which should focus on the teaching of French interpretation principles and the cultivation of skills to assist the improvement of French language and the acquisition of all kinds of knowledge, with emphasis on teaching students to think logically in Chinese and French, not just imparting language knowledge.

When discussing the relationship between information technology and French interpretation teaching and the level of integration, it is necessary to clarify the basic relationship between information technology and French interpretation teaching. First of all, information technology has not only given birth to many new professional forms of interpretation, such as telephone interpretation, television interpretation, video conference interpretation and artificial intelligence interpretation, but also brought professional technical tools such as smart pen, glossary and video conference operating system to the interpretation profession. Moreover, it has led to many changes in the working mode of interpreting profession (such as remote working mode, online working mode) and working content (such as computer-aided translation based on speech recognition). However, even with the rapid development of artificial intelligence, it is still unable to bear most of the cognitive content of French interpretation activities. Therefore, French interpretation learners should make full use of artificial intelligence technology to learn how to provide better language translation services while fully mastering their own knowledge. French interpretation teaching needs to keep up with the pace of the times, change the traditional spoon-feeding or single training method, and design a more effective practice system for learners. For example, Transnbox translation software produced by Shanyu Network Technology Co., Ltd., in which French instant interpretation service can inspire French interpretation teaching, which can be used as an example of AI in interpretation class. Then combined with AI technology, teaching can be designed in the following aspects:

1) To establish an open French interpretation corpus for French interpretation learners, which can be visited, consulted and modified at any time, and set up a special person for maintenance and review, so that users can use it more conveniently and quickly.

2) Teachers divide students into groups according to the level of students, set reasonable
teaching plans, arrange learning goals and contents, and guide students to have a macro grasp of this stage of learning.

3) Students supervise each other in the group, so that they can set up a variety of interpretation situations, sum up experience and sum up mistakes; in addition to the teaching content and corpus, the exercise content can also look for the latest information to simulate interpretation practice.

4) Teachers should specifically solve the outstanding problems of students, and let them give continuous feedback and urge improvement in the follow-up study. Students can also communicate with each other, evaluate the interpretation recordings, make comprehensive comments by teachers, and put forward suggestions and measures.

5) Conduct regular classroom tests, track the results of learning exercises, and grade the ability of group interpretation, so as to pave the way for the next step of teaching content.

6) Students should do a lot of listening and speaking exercises after class to ensure that the quality of interpretation is maintained at a high level, including consulting more professional knowledge, updating information and so on.

3.2 Innovation of the learning mechanism of French interpretation using artificial intelligence translation technology

One of the research fields of artificial intelligence is to let machines imitate and analyze the internal operation mechanism of all kinds of transactions, so as to achieve self-correction and spiral rise. Big data technology included in artificial intelligence translation technology also provides support for the innovation of French interpretation learning mechanism. In addition to the corpus, big data has also begun a series of studies on the mechanism of language formation, classifying and storing words and bilingual materials from various scenes and language competence stages. to explore the thinking differences of interpretation beginners, intermediate and advanced learners, junior interpreters and senior interpreters in language processing, and design a targeted advanced training system.

The intellectualization of French interpretation teaching can fill the gap in the previous qualitative research. For example, the current application of French interpretation education can refer to the quantitative training method of tape hours, such as the domestic self-developed IPTAM interpretation pass, a professional interpretation training intelligent software, so that more interpretation lovers can improve their translation ability, cultivate translation awareness, and lay a good foundation for further study. It can constantly update the interpretation training materials in real time according to the hot spots of current events, and provide training methods such as intensive listening, retelling, shadow follow-up, consecutive Interpreting, trial translation, simultaneous interpretation and so on. By collecting similar application data, the average number of tape hours required by export translation learners to reach a certain learning level can be obtained. Through the score, we can get the relative learning status and progress of individual learners, while through the comparison of the vertical timeline, we can evaluate the teaching status and effect of the whole teaching unit.

The intelligent evaluation of French interpretation can also realize the integration of strength teaching, dynamic assessment and personalized learning strategies. The elements of interpretation evaluation can adopt different parameters at different learning stages, while the advantage of intelligent design is that the evaluation elements are not fixed and can be dynamically adjusted according to data analysis. Better elements are selected as parameters. The intellectualization of French interpretation teaching can break through the limitations of traditional classroom space and time, and make ubiquitous learning possible, which has a far-reaching impact on French interpretation, which focuses on practice. From the technical level, the intelligent Synchronize terminal application realizes the Synchronize storage of data through cloud technology, and integrates the interactive platform to achieve communication and interaction similar to that of the task group members in the Google translator toolkit.

4. Conclusion
The breakthrough of artificial intelligence technology has greatly improved the efficiency of the
language service industry, which also brings a lot of enlightenment to the teaching of French interpretation. Only by mastering and making good use of technology to improve the teaching of French interpretation can the trained talents of French interpretation be able to provide efficient services for the market. Whether we can improve the efficiency of using technology and whether the development of talent training mode can meet the needs of big data era will determine the survival and development of French interpretation education in the future. While thinking about enlightenment, we should also make continuous self-adjustment, which involves the future development of French interpretation vocational education and even the whole language service industry.

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References
[1] Xinhua News Agency. (2019) The Central Committee of the Communist Party of China and the State Council issued the implementation Plan for accelerating the Modernization of Education 2018-2022. [EB/OL]. http://www.xinhuanet.com/politics/2019-02/23/c_1124154405.htm.
[2] Xu Y, Liu J. (2017) The present situation and prospect of machine translation [J]. Overseas English, 11: 117-118, 148.
[3] WITTA Information Center, (2021) The first National Translation Technology Teaching Competition was successfully held. https://cnti.gdufs.edu.cn/info/1016/2364.htm?from=timeline&isappinstalled=0.
[4] Tang L., Mao C. (2019) The enlightenment of artificial intelligence speech translation to foreign language teaching-taking interpretation teaching as an example. Journal of Yangzhou University (higher Education Research Edition), 23 (6): 115-120.
[5] Liu Z. (2018) The Application of artificial Intelligence in the Teaching of Translation majors-taking interpretation classroom as an example. Information literacy, 119-120.
[6] Cai X. (2002) New Exploration of interpretation Studies-New methods, New Concepts and New Trends. Kaiyi Publishing House, Hong Kong, 18-160.
[7] Deng, J. (2018) Interpretation Teaching Corpus: connotation, Mechanism and Prospect. Foreign languages, 46-54.
[8] Shan, Y. A new field of vision of intelligent interpretation teaching. Overseas English, 61-62.