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Abstract: During a period of artificial intelligence, all walks of life make full use of Internet technical knowledge to achieve industry upgrading and transformation, and start the "artificial intelligence" mode. Recently the growth of artificial intelligence technical knowledge is becoming increasingly mature, especially in English teaching. College English teaching should seize the opportunity brought by artificial intelligence technical knowledge to realize the improvement of professional courses. And the modern teaching status derived from artificial intelligence and the traditional teaching status will be effectively integrated to build an efficient hybrid teaching mode, which promotes the reform and advancement of English education and the modernization process. This article starts from the disadvantages of higher English education mode, analyzes the opportunities that artificial intelligence technology brings to higher English teaching, and introduces the connotation of artificial intelligence technology. Then this article studies the development of AI technical knowledge in English education, and finally investigates the application of AI technical knowledge from many aspects.

Key Word: artificial intelligence; Higher English teaching mode; intelligent technique system; *Tob Regul Sci.™ 2021;7(5-1):4074-4079* DOI:doi.org/10.18001/TRS.7.5.1.183

INTRODUCTION

ecently, higher education is becoming increasingly information-based. Information technique has become a very important means of higher education. With the fast advance of artificial intelligence skills, it has a vastly influence on our daily life and all walks of life. With the advancement of AI technique brings increasingly benefits, people realize the importance of artificial intelligence technique and apply it in various fields to improve work efficiency [1]. English Education in Colleges is no exception. Based on the AI technique, higher English teaching has been vastly affected, which has an important impact on English Education in higher vocational colleges. Colleges should allow use of artificial intelligence technique, strive to create an academic ecology of English knowledge learning, and carry out all-round innovation of English education methods [2]. And teachers should use the Internet platform to extend teaching resources, and timely integrate and save them, so as to effectively promote the intense integration of AI technique and College English teaching. AI education is a kind of activity based on big data technique and integrated with AI. The new education activities include the comprehensive information technique and big data of tools, education content, teaching management, education supervision and education evaluation. However, people should clearly realize

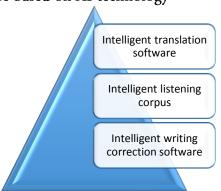
that although the new English teaching based on AI has many advantages, it cannot completely replace the traditional classroom teaching mode [3,4,5]. Therefore, colleges and universities should effectively integrate internet teaching traditional classroom teaching. In the course education of English Majors in Colleges, new English teaching and traditional teaching can be integrated to allow play to the advantages of the two teaching modes and achieve the best teaching effect.

In language learning, AI technique is mainly used in speech recognition, language understanding, language translation and so on. AI technique is a new technique rooted in Internet technique [6]. AI technique is a technique to study human intelligence, behavior mode and behavior law. It is rooted in the information processing theory of AI, and it is important to design a computing system similar to human intelligence behavior. The extensive promotion and application of this technique can vastly advance the work efficiency of human daily production and life, and reduce the labor demand in general work. With the advancement and upgrading of translation machine, the translation level of AI has developed from simple literal matching to deep semantic understanding. On the basis of AI language recognition and translation, all kinds of language translation software are booming, which has

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brought great convenience to higher English Through AI technique, we can analyze the English learning data of college students all over the country, so that teachers and students can Through the introduction and application of AI technology [8], we can improve the learning efficiency of each individual learner, and help them deepen the mastery of knowledge points. As shown in figure 1, English teaching software based on artificial intelligence technology has been used in many fields, like translation, listening corpus and writing correction.

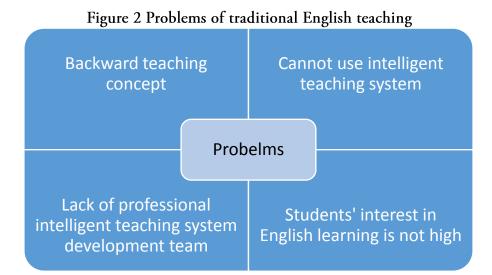
Figure 1 Applications of English education software based on AI technology



PROBLEMS AND INNOVATIVE STRATEGIES OF HIGHER ENGLISH TEACHING UNDER THE BACKGROUND OF AI TECHNOLOGY

college Some students have understanding of English and their understanding of grammar and vocabulary lags behind. They have been used to the standard teacher centered, monotonous indoctrination educating procedure of word explanation, sentence structure analysis and sentence pattern practice. In addition to the short of professional characteristics in the past higher English teaching, students find that what they learn in English class are irrelevant to their qualified advancement, so the lack of inspiration and curiosity in English make it increasingly hard to improve their English level. In the traditional mode of higher English teaching, students usually can only communicate and ask questions with teachers in class to complete fixed learning tasks [9]. However, this kind of teaching mode greatly restricts the students' autonomy, so it is challenging to stimulate students' curiosity in learning, which makes it hard to implement English Education in a wider range. Chinese standard teaching advocates that teachers act as the main part of teaching. Most English instructors are as the chief part of education in the class, using a fixed teaching method [10,11]. In such a teaching method, the enthusiasm and autonomy of students are inhibited, translation teaching [7]. understand the common English teaching focus and learning difficulties.

and it is difficult to be effectively displayed. Although the traditional blackboard teaching also has some advantages, but the long-term blackboard teaching will inevitably appear too boring, and will reduce students' interest in learning to a certain extent, and this kind of teaching method consumes a lot of time compared with multimedia teaching, which is not conducive to improving the effect of higher English classroom teaching. Most of the higher English teaching adopts the form of large class, which is restricted by the space and time. And teachers rarely arrange group activities [12]. Even if there is group work, project team members have different participation enthusiasm. Some members actively complete their homework, while others are tired of dealing with it. However, no matter how many students take part in the classroom project activities, the quality of the completion needs to spend too much instructors' time and energy. In addition, due to the large class education, students' participation is not high, which cannot reach the real requirements of students of various ranks, and students' concern in studying is steadily declining, which seriously affects the effect of language learning [13]. Teachers cannot answer the personalized questions of students in the process of homework completion or project presentation in standard English classroom education. Due to the restriction of instructors numbers, instructors can only answer prominent and universal questions. Professional teachers are the guarantee of software and hardware for English Teaching rooted in AI technique. In the English Education of colleges, the application and advancement of intelligent system need professionals with software advancement ability [14,15]. As shown in figure 2, there are many problems in standard English education. At the same time, it also includes the maintenance and operation of hardware equipment. At the same time, it also includes the maintenance and operation of hardware equipment. However, some colleges and universities lack software related developers. Some old English teachers in Colleges will not be a user of the intelligent system. Therefore, some English teachers in Colleges use intelligent teaching system only to show students' knowledge, and ignore the guidance of students' information search.



AI technique has many advantages. The application of AI technique can innovate the standard teaching mode and teaching means, and provide new technique and direction for modern education and teaching. AI technique has made great changes in students' learning style, students can achieve autonomous learning through the Internet course. The emergence of AI technique supplies a new suggestion for College English education. The deep combining of AI technique and English curriculum has grown an important direction of English major reform. Blended teaching mode is the effective integration of standard education mode and intelligent education mode, through click-and-mortar English education. The application of AI technique makes college English teaching methods more vivid, vivid and diversified, and constructs an efficient interactive and free classroom. Colleges can use intelligent teaching software to provide a wider range of English resources to students. The application of intelligent education software in College English education can not only enrich the teaching content, but also promote the innovation of teaching ideas. In English Teaching in Colleges, Colleges should allow full and scientific use of relevant AI technique. This can virtually support the collection of scattered information, and further find appropriate teaching methods, expand students' learning content and vision, and virtually advance the effect of English Education in qualified colleges, so as to achieve the goal of English Education. The personalized English teaching software rooted in AI technique supplies rich learning resources and means for students, highlights students' subjectivity, emphasizes the process of learning, and better promotes the internalization of knowledge. At the same time, it can mobilize the enthusiasm of students, meet the personalized learning needs, and expand the depth and breadth of curriculum

learning. Teachers can check students' studying progress and problems in time through the software, and promote the interaction and cooperation of learning by building ubiquitous learning support. Students can also check their performance evaluation, effectively promote self-reflection and self-regulation, and cultivate active and efficient lifelong learners. Through the combination of big data technique and AI technique, we can realize the automation and intelligence of distributing learning content for students. The intelligent teaching software will different transmit knowledge information according to the differences of individual students' learning situation and knowledge mastery. Through the application of intelligent software, the space and time limitations of standard classroom teaching are effectively broken, and students can carry out targeted learning activities at any time and location

Intelligent learning system can analyze and judge learners' individual situation through multidimensional factors, and generate targeted learning content and system for learners as shown in figure 3. There is a significant defect in the standard education activities, that is, the one-to-many teaching mode cannot carry out targeted education according to the actual learning characteristics of each learner. After using the intelligent learning platform, we can complete the assessment of learners' basic learning status through the system, and provide basic information guarantee and support for the operation of the intelligent learning system. Teachers can't monitor students' learning progress in the whole procedure. The features of English education decide that learners themselves adapt their education procedure and real activities. Students don't have a comprehensive record of their own studying procedure, and their learning sending back and evaluation are not targeted. And the intelligent education system can carry out the intelligent reminder irregularly every week. For example, students with outstanding performance

in test activities, students who may have difficulties in learning and so on, the intelligent education system will give prompts at any time, which provides conditions for teachers to monitor students' studying process in real time and powerfully, encourage and guide students' learning achievements in time, and guarantee the realization of diversified and real-time teaching evaluation. The intelligent teaching system creates conditions for learners' autonomous learning. The research on Innovative English teaching mode helps teachers form new educational ideas, consciously improve their own educational means and teaching methods, and make teaching more scientific and systematic. Teachers should combine the teaching objectives, education content and the practical situation of students to reasonably choose the learning content and theme, integrate some cultural knowledge and background knowledge related to the learning content into the preview materials, and share the courseware with students through the intelligent system. Students log in to the school's intelligent teaching platform and choose the corresponding class and course from the main learning platform. Teachers can design some communication tasks through intelligent system after class, and set specific situations for learning tasks, so as to promote students to apply English knowledge to

real life communication, improve students' English application ability and communication ability, and give full play to the practicability of English major courses. In this process, students can online complete the tasks assigned by teachers after class, so as to expand classroom teaching, achieve a good connection between classroom learning and after class learning, and extend classroom education, so as to achieve outstanding results. College English strengthen education should the effective penetration of intelligent teaching system, such as in lesson preparation, classroom education, after class summary and other links, actively use Internet technique to search information, to ensure the extensive use of intelligent teaching system in English teaching. Classroom teaching should be the main body and multimedia technique should be the auxiliary means. In the teaching process, the intelligent system can timely find the problems of students' learning methods, help students improve their ability to use modern technique, improve their ability to master English professional knowledge, strengthen the use of language, and infiltrate English language into situational communication.

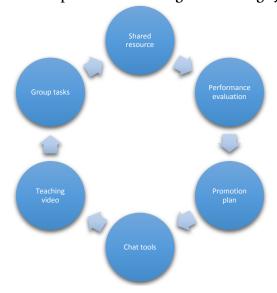


Figure 3 Composition of intelligent teaching system

DISCUSSION

Under the background of AI technique, College English teachers reorganize and reorganize professional education resources, allow full use of external and internal resources conducive to students' advancement by means of coordination mechanism, adhere to the teaching concept of focusing on students' needs, and integrate teaching teachers and teaching contents in time. First of all, Colleges should timely integrate the education staff

within the school, focus on the allocation of teaching resources from the view of education skills evaluation, and find out the shortcomings of teaching staff in time. The school can use the intelligent education platform to implement teaching resource integration activities, understand the diversity of students' employment market demand, improve the breadth of English curriculum content, strengthen the analysis of students' needs, adopt the management strategy of inviting in and going out, invite experts to teach in

Applied research on higher English Teaching under the background of artificial intelligence the school and carry out on-site guidance, so as to intelligent learning system.

reach the goal of education resource integration. Secondly, the school should promote the intelligent teaching system, timely supplement and grow the English education materials, so as to achieve good English education effect, strengthen supplement of teaching content and integrate different teaching contents. According to the different needs of different levels of students, we should formulate a clear syllabus of teaching content, timely integrate the corresponding English professional knowledge, promote the smooth advancement of English teaching innovation, and provide students with personalized English education services. The application of intelligent teaching system in English teaching improves the teaching mode, promotes the concept of English teaching, and also improves the teaching ability of English teachers, which is conducive to the improvement of students' innovation ability and practical ability. In addition, AI technique can also be used as an important learning channel for teachers' academic research, expanding the richness of teachers' teaching, so as to create more and better teaching methods. The application of AI technique based on corpus in English listening teaching can provide students with content of personal interest for learning, and get rid of boring listening materials. AI system can provide students with an idea and framework of learning and doing, provide corresponding vocabulary reference in specific writing, and assist students to complete tasks. After the completion of the system for evaluation, students can know their learning level at the first time, correct the problems in writing. Through this process, we can help students to find out the missing and fill the gap in time, and consolidate their writing ability. AI system can generate a dynamic evaluation for students, quantify students' translation results, and realize students' personalized guidance. Intelligent learning system can analyze and judge learners' individual situation through multi-dimensional factors, and generate targeted learning content and system for learners. The intelligent learning system can analyze and judge each student's learning effect and the mastery degree of knowledge points, and form visual information, which is convenient for teaching workers and learners to fully grasp the learning effect and find out weak links in the next learning process, so as to carry out targeted learning and consolidation. There is an significant defect in the standard education activities, that is, the oneto-many education mode cannot carry out targeted education according to the actual learning characteristics of each learner. After using the intelligent learning system, we can complete the assessment of learners' basic learning status through the system, and provide basic information guarantee and support for the operation of the

CONCLUSION

Students can really get more personalized learning with the help of AI compared with traditional teaching, and teachers can better stimulate students' education enthusiasm and participation in teaching through this technique. Next, we should further explore how to use AI technique to improve listening, speaking, reading and writing, so as to further successfully upgrade the quality of teaching. Intelligent education software can only be used as an auxiliary teaching method, not as the main teaching method. It can reasonably arrange the use of multimedia on the basis of standard education, which can not only successfully make up for the disadvantages of traditional education, but also retain the traditional teaching method. Rooted in AI technique, the innovation and reform of higher English teaching is the embodiment of the contemporary education mode, is the inevitable way in the teaching reform of our country, and plays a good teaching effect in the teaching. Therefore, this paper analyzes the main problems in College English teaching and puts forward some reasonable solutions. The full use of the intelligent teaching system provides an effective reference for the good advancement of higher English education, helps to cultivate the quality of English professionals, and cultivates more professional English talents for the society.

DECLARATION OF CONFLICTING INTERESTS

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