

Discussion on the Innovation of College English Teaching in the era of Artificial Intelligence

Ning Song

Hainan Vocational University of Science and Technology, Haikou, Hainan 571126

Abstract: The development of artificial intelligence technology has brought great changes to college English teaching. The application of artificial intelligence technology in college English teaching is conducive to improving the efficiency and quality of college English teaching and enhancing the effect of college English teaching. Based on this, the paper first analyzes the shortcomings of traditional college English teaching, including limited teaching resources, difficult to meet the individual needs of students, single teaching methods, etc., and then discusses the innovation of college English teaching enabled by artificial intelligence technology for reference.

Keywords: Artificial intelligence; College English; Teach

Artificial Intelligence (AI) is an important driving force leading a new round of scientific and technological development. With the blessing of artificial intelligence technology, the modernization of education becomes possible. With the continuous progress and popularization of artificial intelligence technology, its application in the field of education is increasingly in-depth and has received much attention. The “New Generation of artificial intelligence development Plan” issued by The State Council pointed out that intelligent technology should be used to promote the reform of personnel training mode and teaching methods. At present, the development of the model of “artificial intelligence + education” has attracted much attention, injecting new vitality into the innovation of education. English is an important subject in colleges and universities, and students of all majors need to learn English. College English teaching is a basic way to cultivate students’ international vision and cross-cultural communication ability. Traditional college English teaching is often limited by limited teaching resources, single teaching methods, difficult to meet the individual needs of students and other problems, resulting in poor teaching results, but also affect the interest of students in English learning, difficult to meet the new era of cross-cultural communication personnel training requirements. Artificial intelligence technology provides a tool for college English teaching. Through the application of artificial intelligence technology, it can integrate rich teaching resources, meet the individual needs of students, and make English teaching interesting. This paper aims to discuss the application of artificial intelligence technology in college English teaching, which is of great significance for improving the efficiency and quality of English teaching and promoting the modernization of college English.

1. Deficiencies in college English teaching

1.1 Limited teaching resources limit the expansion of students' horizons

Limited by the length of the textbooks, the scope of content that can be included in the textbooks is limited. In addition, the compilation of textbooks needs to go through layers of approval before they can be used in college teaching. As a result, the content of college English textbooks is updated slowly, lagging behind the development pace of The Times, and the language materials that students are exposed to are lagging behind.

Although some college English teachers use network teaching resources in their teaching, they are simple in the form of PPT and network videos, which fail to provide more extensive and in-depth English learning materials for students. Moreover, due to the limitations of colleges and universities, it is difficult to provide international exchange opportunities for students, which affects the cultivation of students' cross-cultural communication ability.

1.2 Single teaching method, boring class

In traditional college English teaching, teachers often give priority to teaching, students passively listen to knowledge, and there is a lack of interaction between teachers and students. Such "cramming" teaching is difficult to stimulate students' interest in learning, affects students' enthusiasm, and also limits the cultivation of students' independent learning ability^[1]. In traditional college English classes, teachers tend to occupy a dominant position and explain the knowledge in books mechanically, ignoring students' participation in the class. Teachers do not

leave enough space for students to express and discuss, and the classroom atmosphere is dreary.

1.3 Ignoring individual differences of students, it is difficult to meet the individual needs of students

In traditional English teaching, teachers often adopt a "one-size-fits-all" teaching method. Teachers use a unified teaching method to teach English knowledge to all students, ignoring the differences of students in language ability, learning ability, interest preference and other aspects. This kind of teaching method is difficult to meet the individual needs of students, resulting in the gap between students' English ability becoming more and more obvious.

1.4 The single assessment method can not fully reflect the students' English ability

Many colleges and universities still rely mainly on standardized tests, such as CET-4/6, TEM-4/8, and post-semester exams, to evaluate students' English proficiency. Although the paper test can measure students' vocabulary, grammar mastery, reading comprehension and other abilities to a certain extent, it cannot fully reflect students' English ability. After all, such an evaluation method focuses on the memory of language knowledge, and students can get good results as long as they master certain test-taking skills. As a language, English learning results should be reflected in listening, speaking, reading, writing, translation and other aspects. However, the current evaluation methods are insufficient in the evaluation of oral expression, and the phenomenon of "dumb English" is widespread^[2].

2. Innovative strategies for college English teaching in the era of artificial intelligence

2.1 Use artificial intelligence technology to enrich English teaching resources and promote students' English vision

Teachers should make full use of artificial intelligence technology to enrich teaching resources, so as to expand students' English vision. Teachers can use the online platform to integrate high-quality global education resources and collect teaching resources such as online courses, electronic books, graphic materials, etc. At the same time, teachers can also record micro-lessons for students to learn independently.

Colleges and universities can introduce or independently develop intelligent English learning platforms based on artificial intelligence technology, and students and teachers have their own exclusive intelligent platform accounts. The intelligent platform can collect high-quality English teaching resources from around the world, including the latest academic papers, current affairs news, cultural videos, etc., to provide students with English language learning materials that keep pace with The Times. Intelligent English learning platform should be able to intelligently classify, retrieve and recommend rich English learning resources to improve resource utilization efficiency.

Teachers can provide students with an online international English communication platform, and create an immersive English learning environment for students through VR and AR technology. For example, VR technology is used to simulate international communication scenes, so that students can practice oral English in a virtual environment and enhance the interest of English learning.

2.2 Innovative teaching methods to stimulate students' interest in learning

Teachers can adopt the combination of online teaching and offline teaching mode. Online teaching can take advantage of intelligent teaching. The platform improves students' autonomous learning ability and gives full play to students' subjective initiative in learning. Offline teaching focuses on face-to-face communication and provides personalized learning guidance to students to help them improve their English learning ability^[3]. Specifically, the teacher will upload the relevant materials (including teaching courseware, videos, reading materials, etc.) of the course content to the intelligent teaching platform, and students can preview, review and self-study anytime and anywhere. Teachers can propose preview tasks according to the target learning content, and require students to complete the preview tasks according to the provided learning materials, so as to give play to students' autonomous learning ability. In offline classes, teachers should pay attention to the active interaction with students, use intelligent teaching system to randomly select students to show preview results, and require students to speak in English. All classroom communication is in English, so that the teacher can understand the level of students' oral English, and provide students with personalized oral English instruction. Online, the intelligent teaching platform is used to obtain students' learning situation, and the platform intelligently recommends personalized learning resources and exercise items for students. For example, for students with weak oral English, the platform can recommend more oral practice materials and simulated dialogue exercises. The intelligent learning platform can complete the analysis of students' learning situation through students' learning performance such as test completion and homework completion, and give feedback to teachers and students.

2.3 Improve the teaching evaluation system and comprehensively evaluate students' English ability

The evaluation of students should be a combination of process evaluation and final evaluation. Use big data Analysis technology comprehensively collects and analyzes students' learning data, including online learning time, learning progress, practice results, interaction, etc., accurately understands students' learning strengths and weaknesses, and evaluates students' specific performance in listening, speaking, reading and writing. Intelligent teaching platform can generate all aspects of students' learning evaluation report, feedback to teachers and students, on the one hand to provide teachers with teaching adjustment and personalized guidance basis, on the other hand to provide students with self-

improvement basis.

3. Conclusion

In the era of artificial intelligence, great changes have taken place in the field of education. The application of artificial intelligence technology to innovate teaching methods is conducive to enhancing the teaching effect and cultivating high-quality talents with all-round development. In order to break the current English learning dilemma of "dumb English", colleges and universities should actively apply artificial intelligence technology to innovate English teaching. To this end, colleges and universities can introduce or build artificial intelligence teaching platforms, relying on artificial intelligence platforms to carry out intelligent teaching, enrich English teaching resources, innovate English teaching methods, meet students' individual needs, comprehensively evaluate students' English learning ability, and cultivate more excellent English talents with international vision and cross-cultural communication ability.

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About the author: Ning Song (1999.02-), Female, Han nationality, Anhui, Master candidate, research direction: English Education.