RESEARCH ARTICLE

Exploration of the Innovative Path of English Speaking Teaching Mode under the Background of Artificial Intelligence

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Abstract: With the continuous development and popularization of artificial intelligence technology, its application in the field of education is becoming more and more extensive, of which English oral teaching is one of them. The traditional oral English teaching mode faces a series of challenges, such as the lack of an authentic language environment, the difficulty of personalized teaching, the lack of interactivity, and so on. In this regard, this paper will focus on the current problems of traditional oral English teaching and explore in depth the effective strategies for the innovation of oral English teaching mode in the context of artificial intelligence.

Keywords: artificial intelligence; spoken English; teaching mode; innovative strategies

Introduction

Under the background of today's rapid development of artificial intelligence, many innovative opportunities have been ushered in the field of education. Among them, teaching spoken English has been one of the challenges that learners have been actively dealing with. Therefore, it is of great practical significance to explore how to innovate and improve the English-speaking teaching mode under the background of artificial intelligence, to provide students with a more effective and personalized learning experience, which is important for improving students' speaking skills and promoting the development of English speaking education.

1. Current Problems in English Speaking Teaching Mode

There are some significant problems in the current teaching mode of spoken English in universities, which are specifically manifested in the following: first, the traditional teaching mode often pays too much attention to the teaching of grammar and vocabulary, but neglects the students' oral communication practice (Ku, 2020). In most cases, teachers mainly teach through knowledge explanation and demonstration, while students are often in a state of passive acceptance of knowledge, they lack the opportunity to communicate with others and practical application. This situation causes students to show hesitation and lack of confidence when facing real oral communication scenarios, and their speaking ability cannot be effectively improved. Secondly, due to the very limited classroom time, it is difficult for teachers to provide personalized feedback and guidance for each student. Under the existing teaching mode, teachers usually can only give some general evaluations, but cannot provide individual guidance for each student's specific problems and needs, which leads to relatively slow progress in students' learning, and individual differences are not fully utilized. In addition, the oral teaching mode often lacks sufficient interactivity and participation. Under the existing teaching mode, students have very limited opportunities to speak, and most of the time the teacher is imparting

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knowledge in a one-way manner. Students lack the opportunity to practice actual conversations with others and cannot effectively improve the fluency and accuracy of their oral expressions. This situation leads to the fact that students' oral communication skills cannot be fully developed and improved. Finally, the traditional oral assessment methods mainly rely on teachers' subjective evaluation, while the evaluation criteria are not clear and objective enough (Hou, 2019). Teachers' subjective preferences and feelings may have an impact on the assessment results, leading to errors in the assessment of students' oral expression skills. This assessment method cannot provide students with specific guidance and feedback, nor can it provide them with accurate self-assessment and directions for further improvement.

2. The Significance of Innovative English-speaking Teaching Mode in the Background of Artificial Intelligence

2.1 Favorable to improve teaching efficiency

Innovating the oral English teaching mode under the background of artificial intelligence is conducive to improving teaching efficiency. With the help of artificial intelligence technology, virtual teachers and intelligent teaching assistant systems can be constructed, and this virtualized teaching mode is open and flexible. It can provide personalized teaching content and learning paths for different students' learning needs and learning progress (Xu, 2020). At the same time, the intelligent teaching assistant system can adjust the teaching program in real-time according to the feedback and performance of students, providing more targeted guidance and support. With the help of intelligent voice assessment technology, students' voices can be automatically assessed and feedback, reducing the workload of teachers, intelligent voice assessment technology can also provide students with more accurate and objective feedback, helping them to better understand their learning situation, to better adjust their learning methods and strategies. In addition, in traditional oral English teaching, students

can only improve their oral expression ability through classroom practice and teachers' guidance, which is limited by time and space. In contrast, in a virtual language practice environment, students can go online at any time to conduct relevant exercises and communicate with other students around the globe. This greatly expands students' learning space and opportunities, allowing them to come into contact with more people from different cultural backgrounds and improve their cross-cultural communication skills. By innovating the mode of teaching spoken English, students can be provided with a more flexible, personalized, and autonomous learning experience. This not only helps to improve students' learning effect but also helps to promote the sustainable development of spoken English education.

2.2 Favorable for expanding teaching channels

With the help of artificial intelligence technology, teachers can expand teaching channels in a variety of ways to provide students with a more diversified and personalized learning experience, to improve the effect of oral English teaching. On the one hand, AI technology can help teachers build online virtual language practice environments to provide students with more opportunities for practice and communication. Traditional English speaking practice is mostly limited to conversation practice in the classroom and teacher guidance, but due to time and space constraints, it is often difficult for students to get enough practice opportunities. On the contrary, in online virtual language practice environments, students can interact with other learners around the world in real-time for more oral practice and cross-cultural communication (Shi, 2022), thus effectively improving their oral expression skills. On the other hand, AI technology can build an intelligent speech assessment system to provide students with online speaking assessments and feedback. In traditional oral English teaching, teachers often need to invest a lot of time and energy to correct students' pronunciation voice intonation, and other problems. However, with the help of intelligent voice assessment technology, students can practice

speaking through a computerized system and obtain assessment results and feedback immediately, so that they can discover and correct their mistakes on their own and improve their oral expression. This kind of personalized and immediate assessment can not only greatly reduce the workload of teachers, but also provide students with more learning resources and opportunities, which has a far-reaching impact on the progress of English education and the overall development of students.

3. Explore the Innovation Strategy of English Oral Teaching Mode under the Background of Artificial Intelligence

3.1 Introducing virtual teachers to assist teaching

In the innovation of English-speaking teaching mode, the introduction of virtual teachers is a very effective way. Traditional oral English teaching mainly relies on teachers' guidance and correction, but due to the limited resources of teachers, it is often difficult to meet the needs of each student. The emergence of virtual teachers can make up for this shortcoming, and through intelligent systems and algorithms, provide customized teaching content and guidance for each student. Virtual teachers have many advantages. First of all, virtual teachers can provide services online around the clock, without the need for breaks and vacations. This means that students can seek help and support from virtual teachers at any time, and it is easier to get timely feedback and guidance (Hu, 2020). Second, virtual teachers can analyze students' oral expressions and phonetic characteristics to understand their weaknesses and problems and provide personalized learning suggestions and guidance. For example, if students have pronunciation difficulties, virtual teachers can provide targeted pronunciation exercises and give real-time assessment and feedback to help students correct pronunciation errors. In addition, virtual teachers can simulate the question-and-answer style of real teachers and conduct real-time speaking practice and dialog with students. This can provide students with more speaking practice opportunities and promote the development of students' oral

expression and thinking skills. Virtual teachers can also provide relevant topics and discussions according to students' interests and needs, increasing students' interest and motivation in learning spoken English. For example, the virtual teacher can design corresponding scenes and dialog exercises according to students' interests and hobbies, so that students can express their ideas and opinions more naturally and confidently. At the same time, the virtual teacher can also provide students with better suggestions and support through feedback and evaluation to help them improve their oral expression skills.

3.2 Construct a virtual language practice environment

Through artificial intelligence technology, building a virtual language practice environment is one of the innovative directions of English-speaking teaching mode. This approach can provide students with a more authentic, rich, and personalized English-speaking practice environment and promote the improvement and cultivation of students' oral expression ability. Traditional English-speaking teaching mainly relies on teachers' guidance and correction, but this way often only provides simple language practice and speaking dialogues, which makes it difficult for students to feel the wide range of English application scenarios and language environments. With the help of artificial intelligence technology, teachers can build a virtual language practice environment with real and diverse language application scenes for students (Si, 2021). In the virtual language practice environment, students can simulate various daily life scenarios in English-speaking countries, such as shopping, ordering food in restaurants, traveling and communication, etc., from which they can get a more realistic and comprehensive experience of English language practice and application, and feel the authenticity and richness of the application of the English language, which will lead to a more in-depth understanding and use of English. Meanwhile, in the virtual language practice environment, students can choose their language application scenarios and practice contents according to their own needs and

levels. These language application scenarios and practice contents can be individually configured and customized according to students' different needs and interests. For example, some specific voice training materials can be individually set up for certain students, or some special voice correction and feedback can be given to certain students according to their personalized characteristics such as accent and intonation. Through this personalized learning and practice experience, students can better obtain self-realization and satisfaction, thus stimulating students' learning interests and initiative. In addition, building a virtual language practice environment with the help of artificial intelligence technology can also effectively make up for the inadequacy of teachers' resources and improve students' learning efficiency and quality.

3.3 Utilizing Intelligent Speech Evaluation System

Intelligent Speech Assessment System is an advanced tool that assesses students' spoken English in real-time and provides accurate feedback with the help of speech recognition and natural language processing technology. Compared with the traditional subjective grading by teachers, the advantage of the intelligent speech assessment system is that it can analyze the students' pronunciation, voice fluency, intonation, and other language features in real-time and give objective and accurate assessment results according to the preset assessment criteria. In this way, students can understand their speaking level in time and take targeted measures to improve their speaking ability. At the same time, the Intelligent Speech Evaluation System can also give students specific corrective methods or pronunciation demonstrations according to their individual needs, helping them to improve their oral expression. In addition, the Intelligent Speech Assessment System breaks the limitations of traditional speaking instruction and can provide opportunities for speaking practice and assessment anytime and anywhere (Chen, 2022). Students can conduct oral training in their own time and at their own pace, and gradually improve their oral expression through multiple attempts and practice through interaction

with the system. This opportunity for independent learning stimulates students' interest and motivation in learning, thus improving the learning effect. Of course, the Intelligent Speech Evaluation System also collects and analyzes students' oral training data, including indicators such as pronunciation accuracy and fluency. These data provide teachers with more comprehensive student assessment reports and course design references. By analyzing these learning effect data, teachers can make timely adjustments to their teaching strategies and help students overcome difficulties and problems in oral learning.

3.4 Establish an online language exchange community

Under the background of artificial intelligence, one of the innovative strategies of English-speaking teaching mode is to establish an online language exchange community. This community provides a platform for students to practice speaking and promotes language exchange, cultural exchange, and learning sharing. Through the online language exchange community, students can communicate with foreign language learners around the world in real time and learn about the cultures, customs, and ways of thinking of different countries. The learning resources in the community are rich and diverse, and students can share their learning experiences, ask questions, participate in discussions, and expand their knowledge (Zhai, 2021). Students can participate in community activities, practice speaking, and communicate through the Internet anytime and anywhere. Whether at home, at school, or traveling, as long as there is an Internet connection, students can maintain language interaction with others. This flexibility makes learning no longer limited by time and space and improves the convenience and efficiency of learning. At the same time, learners in the community come from different backgrounds and levels, and students can be exposed to different accents, expression habits, and ways of thinking to improve their cross-cultural communication skills. Students can also form study groups or partners to participate in speaking practice and project practice. They can supervise, encourage, and provide feedback

to each other, as well as share their learning resources, experiences, and skills, help others solve problems, and form a learning community.

Summarize

In summary, with the development of artificial intelligence, the innovation of English speaking teaching mode provides students with a more personalized and autonomous learning experience. Through the introduction of virtual teachers to assist teaching, the construction of a virtual language practice environment, and the use of intelligent voice assessment technology, students can get targeted guidance and feedback to improve their oral expression ability. At the same time, through the online language exchange community, students can communicate with other learners in real time to promote cross-cultural communication and language learning. These innovative paths not only help to improve the learning effect of students, but also provide teachers in the field of English education with more effective teaching tools and methods, and better meet the learning needs of students by continuously promoting the innovation of English-speaking teaching mode.

Conflict of Interest

The author declares that she has no conflicts of interest to this work.

References

Ku, L. (2020). Research on the practice of college english speaking teaching under the background of artificial intelligence. Journal of Jiangxi Electric Power Vocational and Technical College, 33(09), 31–32.

Hou, J. (2019). The change of English oral teaching mode in the era of artificial intelligence. *Teaching and Management*, *2019*(33), 86–88.

Xu, Y. (2020). Artificial intelligence "empowers" the innovation of English listening and speaking teaching. *Basic Education Forum*, *2020*(06), 60–61.

Shi, L. (2022). Reflections on the teaching of spoken English: How artificial intelligence (AI) empowers. *China Journal of Multimedia and Network Teaching (Zhongdian)*, *2022*(06), 9–13.

Hu, M. (2020). Exploring the blended teachinmode of college english speaking based on artificial intelligence. *Campus English*, *2020*(30), 26–27.

Si, S. (2021). Research on college speaking teaching under the background of artificial intelligence. *Campus English*, *2021*(10), 25–26.

Chen, Y., & Guo , S. (2022). Action research on college English speaking teaching in the age of artificial intelligence. *Overseas English*, *2022*(17), 128–129, 142.

Zhai, L. (2021). Exploring the practice of College English speaking teaching under the background of artificial intelligence. *English Square*, *2021*(31), 125–127.