The Application Value and Specific Path of AI Technology in Teaching English Majors

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Abstract: The continuous development of Artificial Intelligence technology (AI technology) has brought a profound impact on all walks of life, and in the field of education, the application of AI technology can greatly improve the quality of teaching and enhance the learning effect. Taking the teaching of English majors in colleges and universities as an example, the article discusses the important application value of AI technology in the teaching of English majors in colleges and universities as well as the specific application paths in order to improve students' interest in learning English and enhance the effect of English learning.

Keywords: AI technology; English majors in colleges and universities; application value

1. Introduction

Artificial Intelligence (Artificial Intelligence, AI) technology is a major achievement in the development of science and technology, AI technology is a very wide range of science and technology, including robotics, language recognition, image recognition, computer vision and other technologies. With the development of AI technology, the scope of its application in various fields is gradually expanding, of course, the field of education is no exception.The application of AI technology has brought about a profound change in education and teaching, which is conducive to enriching the means of teaching, improving the efficiency of teaching, and enhancing the quality of teaching. The application of AI technology in the teaching of English majors in colleges and universities can promote personalized learning and provide strong support for the cultivation of high-quality cross-cultural communication talents[1]. In the past, English majors mainly relied on teachers' classroom lectures, which to a certain extent limited the students' subjective initiative to play, while AI technology can provide new methods for post-English major teaching by virtue of its own advantages. The purpose of this paper is to discuss the application value and specific path of AI technology in teaching English majors in colleges and universities, which is of great significance in promoting the wide application of AI technology in college and university education.

2. The Value of AI Technology in Teaching English Majors in Colleges and Universities

2.1 Enrich teaching resources and innovate teaching methods

The application of AI technology is conducive to enriching the teaching resources of English majors in colleges and universities and innovating teaching methods. Using AI technology, teachers can easily access high-quality English learning resources, including e-books, teaching videos and other learning materials, learning resources are rich and diverse and can be rapidly updated to meet the diverse learning needs of students and meet the actual needs of society for English talents. Utilizing AI technology can innovate teaching methods. For example, Virtual Reality (VR) and Augmented Reality (AR) technology can simulate real English communication scenarios, so that students can improve their English communication skills in an immersive experience, which improves the fun of English teaching and makes students' English learning more vivid and interesting.

2.2 Promote individualized instruction to meet students' individual needs

The application of AI technology is conducive to promoting personalized teaching and meeting students' individual needs. Each student is unique, with different English basic levels and English learning abilities.[2]. In traditional English teaching, teachers often adopt the "one-size-fits-all" "duck-filling" teaching strategy, which is difficult to meet the learning requirements of students at different levels and with different needs, resulting in increasing differences in English proficiency among students and making it difficult to improve the overall quality of teaching. The application of AI technology can help teachers master the learning characteristics, interest preferences and English proficiency level of students, and provide teachers with scientific analysis of students' learning situation through scientific big data analysis, so that teachers can provide students with personalized learning guidance according to the analysis of students' learning situation. At the same

time, teachers applying AI technology can help students correct their English pronunciation accents, provide targeted pronunciation exercises, recommend suitable reading materials, and meet students' personalized learning needs.

2.3 Give play to students' learning initiative and cultivate English learning habits

The application of AI technology can promote students' learning initiative and help them cultivate good English learning habits.AI technology can provide students with ways to learn English independently, for example, based on the online learning platform, students can learn independently according to their own learning level and learning progress, giving full play to the independent learning ability of students.AI technology can analyze the big data of the students' learning behavior and provide students with personalized learning feedback and personalized learning resources to help students enhance their learning effect. AI technology can analyze the big data of students' learning behavior, provide students with personalized learning feedback, provide personalized learning resources, and help students enhance their learning effect. Improving students' learning initiative, students can not only actively learn English during class, but also outside the classroom, so as to cultivate their good English learning habits and continuously improve their English proficiency.

3. The Specific Application Path of AI Technology in Teaching English Majors in Colleges and Universities

3.1 Introduce AI teaching platform to realize intelligent teaching

In order to improve the teaching quality of English majors in colleges and universities, colleges and universities should actively introduce AI teaching platforms, or cooperate with scientific research institutions to develop AI intelligent teaching platforms that meet the actual needs of their own English teaching, and promote the realization of intelligent teaching of English in colleges and universities.The AI teaching platforms should be seamlessly connected with the teaching system and the student information system, so as to achieve the sharing and interoperability of students' learning data. Each teacher and student should have an exclusive account for the AI teaching platform, with different permissions for teachers and students. Teachers log in to the teaching platform to provide students with teaching resources, make homework corrections, and collect students' learning data. Students log in the teaching platform to submit assignments, study independently, complete tests, etc. The AI teaching platform has a personalized recommendation system, an intelligent assisted reading system, virtual reality and augmented reality technology, an automatic assessment system, which meets the personalized learning needs of students and provides teachers and students with learning situation analysis reports to meet the practical needs of teaching English majors in colleges and universities[3].

3.2 Adopt diversified teaching methods to stimulate students' interest in learning

Teachers should adopt diverse teaching methods to stimulate students' interest in learning, which is conducive to enhancing the learning effect. Teachers can use the virtual reality and augmented reality functions of AI technology to create a simulated English learning environment, so that students can learn immersively in the simulated environment, practice speaking and listening, and improve their English language use ability. Teachers can use speech recognition and speech synthesis technology to design interactive teaching scenarios for students to help them practice English conversation and continuously improve their English communication skills. Teachers can use the big data analysis function to provide students with personalized learning resources to meet their personalized learning needs. Teachers should provide students with English learning tests based on the AI teaching platform, and require students to complete the assessment on their own to understand their English knowledge level, English speaking level, and English reading level.

3.3 Strengthen the assessment of students and continuously improve the quality of English teaching and learning

AI technology can automate the collection and analysis of students' learning data, including homework completion, online learning progress, etc., providing comprehensive and accurate data support for student evaluation. Teachers should actively apply the AI Intelligent Teaching Platform in the process of teaching, release pre-study tasks on the AI Intelligent Teaching Platform, provide independent learning resources, release English test items, etc., and require students to complete the learning tasks on the platform within the specified time. Based on this, teachers can evaluate students' learning performance based on the platform, find problems and provide feedback in time, adjust teaching strategies in time, and at the same time, help students understand their own weaknesses and correct them, so as to continuously improve the quality of English teaching.

4. Conclusion

In summary, AI technology shows great application value and application potential in teaching English majors in colleges and universities. The application of AI technology is conducive to enriching English teaching resources and innovating English teaching methods; it is conducive to promoting personalized teaching and meeting students' individual needs; it is conducive to giving full play to students' learning initiative and cultivating English learning habits. English majors in colleges and universities should fully recognize the great value of AI technology in teaching, introduce AI intelligent teaching platforms that meet their actual teaching needs, teachers should adopt diverse learning methods, and teachers should strengthen the intelligent assessment of students. Colleges and universities should actively explore the application of AI technology to promote the intelligent development of English education.

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