

Application of Artificial Intelligence Technology in College English Teaching

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Keywords: Artificial Intelligence Technology, College English Teaching, Application.

Abstract: At present, the traditional English teaching pattern in colleges and universities have been unable to meet the needs of education reform in the new era. However, the advantages of artificial intelligence technology is not restricted by space. It can promote the reform of college English teaching and learning, help to develop teaching resources and get access to information channel. In recent years, the development of artificial intelligence technology is becoming more and more mature. How to use artificial intelligence technology to innovate teaching methods and teaching evaluation of college English teaching is need to be discussed. The integration of information technology and English course in the field of teaching has created new opportunities for the English teaching process optimization. It has opened up a new space for the construction of intelligent and personalized English teaching environment. The application of artificial intelligence technology in college English teaching can improve the quality of college English teaching, stimulate students' interest in learning English, break through the limitation of traditional English teaching mode, and promote the reform and development of English teaching. This is the basis for the realization of the goal of leaving school English teaching. This paper analyzes the influence of artificial intelligence technology on College English teaching, and probes into the application of artificial intelligence technology in college English teaching from four aspects: English listening, translation, writing and oral English teaching.

1. Introduction

It is an important trend to introduce artificial intelligence technology into college English teaching. Artificial intelligence technology can be applied to several aspects of College English teaching, such as English listening teaching, English translation teaching, English writing teaching and Oral English teaching. [1]It can enrich the methods of college English teaching, improve the specificity, flexibility and effectiveness of English education.

2. The Main Body of this Paper

2.1. The Connotation of Artificial Intelligence Technology

Artificial intelligence technology is a new technology based on information technology. At present, artificial intelligence technology has been widely used in various fields, and has made remarkable achievements, promoting the development of all fields. The introduction of artificial intelligence technology in college English teaching, not only brings great convenience to the teaching process of teachers. [2]With the support of artificial intelligence technology, the concept of digitalization, logic and cognition can be applied to college English teaching. By collecting and sorting out students' English learning data, it lays a foundation for the improvement of college English teaching level.

2.2. The Influence of Artificial Intelligence Technology on English Teaching in Colleges

2.2.1. Provide Artificial Intelligence System Support for English Teaching

In college English teaching, artificial intelligence system can track and record all kinds of learning information data of students' English learning in class and after class, and form the

database of students' English acquisition. Relying on artificial intelligence technology, all data can be collected and calculated, so as to form a visual learning situation analysis report for teachers of individual students and the whole class. Meanwhile, the big data analysis provided by the platform can also provide teachers with learning situation prediction and teaching intervention suggestions based on big data.

2.2.2. Provide Rich Teaching Resources for College English Teaching

The development and application of artificial intelligence technology provide abundant resources for College English teaching, such as abundant English video and picture resources, a large number of English course resources, so that the teaching resources are no longer limited to textbooks. At the same time, many network resources rely on artificial intelligence technology, which can realize the download and upload of cloud resources, so that students' English learning is no longer limited by time and space, and can form a comprehensive and open English resource sharing model, which lays an important foundation for the enrichment of college English teaching database.

2.2.3. Provide Artificial Intelligence Evaluation and Testing for English Teaching

Using artificial intelligence technology to detect students' English learning level can improve the objectivity and fairness of scoring. [3]Artificial intelligence technology is used to mark papers, and unified scoring standards are always adopted. The evaluation is more objective and fair, which can provide effective quality control for online marking papers. At the same time, artificial intelligence technology can be used to replace teachers to correct objective questions, improve the efficiency of homework and examination papers, and reduce the burden of teachers.

2.3. The Application of Artificial Intelligence Technology in College English Teaching

2.3.1. The Application of Artificial Intelligence Technology in English Listening Teaching

In order to carry out English listening teaching in colleges and universities, it is necessary to train students' listening ability. The traditional English listening teaching model is relatively simple. Classroom teaching mainly takes teachers as the main body, and repeated practice of listening dialogues and chapters in textbooks is not conducive to improving students' interest in learning, nor to regulating the classroom atmosphere.

Applying artificial intelligence technology to English listening teaching, the intelligent database that is associated with hearing devices, can greatly enrich English listening teaching resources, teachers can rely on artificial intelligence technology at the same time, according to the students' listening level matching different difficulty hearing content, help students to set up the confidence of learning English, greatly improve the effect of English listening teaching.

Listening is the first step of English learning and the basis of the training of basic skills of speaking, reading and writing. It is the primary goal of college English teaching to cultivate students' listening ability.

English teachers usually have to teach multiple students at the same time, [4] it is difficult to give detailed answers to the doubts and questions of each student, and it is difficult to effectively achieve the interaction and participation of all students and to maximize the potential of all students.

Using artificial intelligence technology to college English listening teaching, artificial intelligent device can respond according to the students' thinking and reaction, such as students, in the face of the intelligent teaching screen can be confusion the English content of internal feedback to the computer system, the artificial intelligence technology, artificial intelligent device can automatically intelligent logic operations and form language parsing, Targeted to solve students' personalized problems, better meet students' English listening learning needs, improve students' English listening and speaking level.

2.3.2. The Application of Artificial Intelligence Technology in English Translation Teaching

Due to the development of China's foreign economy and the increasingly close international cooperation, the demand for high-quality translators is also increasing. This requires colleges and

universities to train English translation talents in line with the requirements of the development of the era, constantly improve students' translation ability, and provide high level of English translation talents for the society.

The application of artificial intelligence technology in English translation teaching can not only provide students with convenient translation tools, but also provide students with rich databases, such as software and dictionaries derived from artificial intelligence technology, which have a great amount of information coverage and can facilitate students' translation learning. In the process of translation, students can use artificial intelligence technology to judge and verify their own translation content, timely discover the problems in the process of translation, carry out independent research learning, and quickly master the essentials of English translation.

As the difficulty of English translation varies greatly, teachers can also use artificial intelligence technology to construct a hierarchical teaching framework in translation teaching. According to students' major and learning ability, translation teaching should be divided into different levels and types, and carried out step by step and in a planned way.

Teachers can also use artificial intelligence technology to timely understand students' frequent mistakes in the process of translation, inductive analysis of these mistakes, and help students to analyze the reasons for the occurrence of mistakes, to avoid the same mistakes, so as to further improve the quality of English translation teaching.

In addition, the artificial intelligence technology provided by the online English translation practice mode, can translate the content autonomous recognition application scenarios, not only can be prompted for students of English grammar mistakes, but also can indicate the same vocabulary for students in the context of different translation right way, for the students to carry out autonomous English translation practice has an important supporting role.

2.3.3. The Application of Artificial Intelligence Technology in English Writing Teaching

Writing teaching in college English teaching occupies a pivotal position, in teaching English writing ability is one of the important indexes of evaluation of students' English comprehensive ability to output, however in the process of college English teaching as a few teachers grade time-consuming, commented factors such as lack of pertinence, students modify feedback cycle is long, writing teaching is often overlooked by teachers and students.

The use of artificial intelligence technology can carry out high-quality correction of writing content, which can effectively improve the efficiency of teachers' correction and comment, as well as the efficiency of teacher-student interaction feedback. The integrated process of "writing, correcting and commenting" has been realized.

Teachers can use the college English teaching system based on artificial intelligence technology to assign tasks in the English writing module. At the same time, in order to help students form a thinking model of writing, teachers can extract key words and titles in artificial intelligence system database, guide the students to focus on the writing theme instead of distracting the writing topic related.

Traditional writing assessment tend to be influenced by teachers' subjective consciousness,. The score of writing test may not accurately reflect the students' writing level. However, the use of artificial intelligence technology, can comprehensively and objectively evaluate the students' English writing level, point out the shortcomings in students' thesis in time, and give corresponding amendments to let the students know their shortcomings in writing immediately. The artificial intelligence system will automatically collect and analyze the data of each student's writing to form a comprehensive writing summary and help the students to bridge the gaps.

2.3.4. The Application of Artificial Intelligence in Oral English Teaching

In the traditional English teaching, some teachers pay too much attention to the explanation and training of vocabulary, grammar knowledge, translation and other questions in the classroom teaching, ignoring the cultivation of oral English ability, resulting in students' oral English level is uneven.

Creating a good language learning and communication environment by using artificial

intelligence technology in oral English teaching can stimulate students' interest in learning and motivate them to take the initiative in learning English. Let the students want to say, dare to say, have the opportunity to say, bold expression, easy to use English.

Artificial intelligence technology has the characteristics and advantages of simulating human thinking, which provides students with a "partner" who can practice oral English anytime and anywhere. Artificial intelligence technology can be according to the students on the degree of master of English knowledge and skills, random with oral communication, and spoken dialogue with the students at the same time, the artificial intelligence technology can communicate plays a different role, even can provide students with multiple communication object, at the same time for the students to build simulation dialogue situation, help students quickly improve oral communication ability.

3. Conclusion

In a word, the application of artificial intelligence technology provides important technical support for the improvement and optimization of College English teaching. With the help of artificial intelligence technology, teachers can master students' learning more comprehensively, which is conducive to improve the efficiency of classroom teaching. Meanwhile, the application of artificial intelligence technology can also improve the quality of English teaching and lay a foundation for students to improve their English skills.

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