

The Application and Impact of Artificial Intelligence on English Teaching in Universities

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Abstract: With the rapid development of artificial intelligence technology, the application of artificial intelligence in English teaching has received more and more attention, and the application in teaching will become stronger and stronger. This has brought important development opportunities for English education in colleges and universities, and promoted the reform and transformation of English teaching.

Keywords: Artificial Intelligence; College English; Applications and Impact

1. Introduction

With the continuous development of information technology, artificial intelligence has become a new technical science. From its inception to the present, artificial intelligence has gone through different stages of development and has been applied to different fields. Under the background development trend of artificial intelligence technology gradually penetrating into all aspects of society, the traditional language education industry is also deeply affected. One of the most typical is English education.

2. The impact of artificial intelligence on English teaching in universities

2.1 Problems in traditional teaching

There are inevitable problems with this method of listening training: first, because the form of training is single and boring, it is difficult to stimulate students' interest in learning English listening; The second is the limitation of the material, students can choose questions by grabbing the keywords in the listening material or browsing the questions in advance, without actually understanding what the passage says. In college English speaking classes, standardized English pronunciation is actually the key to English learning, only listening, reading, writing but not speaking, is tantamount to learning dumb English, is extremely detrimental to the improvement of students' comprehensive English ability. This is the obvious problem, which is the lack of English pronunciation training. The speaking class time is also limited, and each school does not arrange too many speaking class hours, and it is an impossible task to complete the teaching within the limited class time and ensure the teaching quality of listening, reading and writing. Due to the arrangement of speaking class time, all aspects of practice will not be fully carried out, let alone create situations and simulated contexts for effective communication.

2.2 Application of artificial intelligence in university English teaching

In the practice of English teaching in universities, many universities have begun to attach importance to the use of artificial intelligence technology. In the new intelligent education environment, teachers and learners can make rational use of new technologies in the classroom. When students encounter content they do not understand during class, they can immediately present an explanation of the content by clicking on the content they do not understand. And click to record the previously explained content, and can provide corresponding reference answers according to the learner's learning trajectory, learning habits and learning ability. Teachers are able to observe different problems learners have in the classroom learning process based on the records. The intelligent platform can also perform real-time data analysis, evaluate according to the difficulty of classroom teaching, teaching methods and major difficulties, and then analyze whether adjustments are needed, and make corresponding reasonable teaching suggestions. The intelligent platform also enables scene reproduction to help students manage their attention. In the process of

teaching English in universities, some students lack interest in English learning, and often appear to be distracted in class or play with mobile phones. Do not pay attention to what the teacher teaches. Therefore, the scene simulation is effectively carried out and the learning is integrated into the real environment, so that learners are no longer passive learning in the original set fixed scene, which increases the freshness and vitality and effectively improves the classroom learning effect. The intelligent education English learning platform can also provide the most basic English vocabulary or text input practice. Providing corresponding brain stimulation methods and means can help them temporarily enhance the amount of information input in the brain and help them build confidence in learning English well. Specifically, it is reflected in the following aspects: (Eric Bettinger, Jing Liu, Susanna 2016) Implementation of intelligent teaching management: intelligent management takes university English teachers as the main body, and improves teaching efficiency through personalized setting of the courses taught. Teachers can also set up various aspects of the class through the intelligent management platform, such as class announcements, teaching tasks, learning monitoring, etc. This special intelligent management allow teachers to plan students' learning better, monitor what they learn in real time, and then realize online tutoring and question answering for students. In addition, big data technology can also be used to push the key and difficult content in this course in a timely manner. (Aldo Ramirez-Arellano, Elizabeth 2018) Realize online and offline mixed teaching: In the teaching process, teachers can use the online teaching platform to design online courses, and use PPT, video and other teaching resources to assist, or use WORD documents to provide texts, vocabulary, translations, recording scripts, etc., to ensure the richness and interest of the content. While focusing on the knowledge points, a solid foundation in English. Combined with online teaching, offline can provide targeted face-to-face counseling for students' weak links based on relevant platform data. (Wilmar Audye Cidral, Tiago Oliveira, Massimo Di Felice, Manuela Aparicio. 2018) Online homework: Students can carry out a number of exercises in the intelligent platform, such as practicing speaking, and the platform can intelligently score so that students can get the test of oral practice in real time. Another example is writing practice, marking has always been a time-consuming and laborious task for teachers. Now with the intelligent marking function, the efficiency and quality of student work have been greatly improved. In the intelligent platform, teachers can also set up personalized functions such as student learning mutual support groups and sharing circles. Let students achieve online mutual assistance and independent learning, share their academic achievements with each other, and summarize their learning experience. (Edwards, Cheok 2018) Assessment link: Based on the intelligent question bank and machine grading, it realizes the needs of students' online examination and assessment, realizes a variety of question types, customized question volume, time self-control, and can even design assessment papers for individual students. At the same time, some objective questions can be automatically approved, saving time and efficiency.

2.3 The positive impact of artificial intelligence

In university English education, artificial intelligence plays an important positive role in the innovation of teaching resources and teaching models. First of all, it provides rich teaching resources for university teaching. For teachers to face new technologies, it is necessary to accept new things with a positive attitude. Teachers should not only change the concept of education with the times, master modern education theories and teaching methods and teaching strategies, but also learn and use modern information technology to serve teaching in today's intelligent and highly intelligent era in the future. (Marcus Credé, Sarah Niehorste 2012) Teachers use the advantages of artificial intelligence platform in teaching to select and integrate rich high-quality resources, download and use the required content according to the teaching progress and teaching materials, and these materials can be downloaded or played. This saves teachers time and increases productivity. However, teachers still need to be psychologically prepared, technically prepared and prepared for new teaching theories, and effectively focus on learners and use new information technology to better teach. Secondly, artificial intelligence has changed the original single traditional teaching method, gradually broken through and applied to our teaching, creating a new teaching environment and personalized learning for college English. Especially during the epidemic, (Olga Viberg, Annika Andersson. 2019) offline courses cannot be held for various reasons. Artificial intelligence provides a good platform and resources for online courses, and this new teaching model and different teaching strategies can increase the interest of college students in learning English, which in turn helps to improve the efficiency of college students' English acquisition. Abundant English learning resources and diversified English teaching methods help to increase students' interest in learning English, which in turn enhances the motivation to learn English. (Thomas Howard Morri 2019)

3. Conclusion

In the current prevalence of artificial intelligence, both university English teachers and college students should look at the impact of artificial intelligence rationally and rationally use it in university English teaching. Teachers should understand their place and responsibilities in university education, improve their ability to use AI through continuous learning, and apply it in

teaching. College students accept the traditional mode of offline teaching most of the time, (Boris Bosancic, Marta Matijevic 2019) and need to clarify the learning resources of the target language while consolidating offline teaching. There is still a lot of room for the integration of artificial intelligence and university English teaching in terms of breadth and depth, (Jonathon S. Hare, Sina Samangoeei, Paul H. Lewis 2014.) and in the future, with the further development of technology, artificial intelligence will seamlessly infiltrate university English teaching. In short, in the era of artificial intelligence, we should make full use of the advantages of artificial intelligence to teach and learn English in universities, and continuously integrate artificial intelligence with university English teaching and learning.

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