

Strategies for Constructing a Blended Teaching Model for College English in the Perspective of Artificial Intelligence

Yanhan Duan

Changchun University of Architecture and Civil Engineering, Changchun, Jilin, 130000, China

Abstract: From the perspective of artificial intelligence, the build target of college English blended teaching model is to build a personalized learning path and content, and teachers make personalized teaching plans and provide personalized learning experience according to students' learning characteristics, needs and progress. Teachers can use the intelligent learning system to provide each student with personalized learning resources and feedback to help them master English knowledge and technology more effectively.

Keywords: Artificial intelligence; Colleges and universities; English; Blended teaching; Mode

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1. Introduction

College English teachers use intelligent computer-assisted tools such as Intelligent Speech Recognition and natural language processing to provide real-time language learning support and feedback. Through the interaction with the intelligent education system, students can do speaking, listening, reading, writing and other training and evaluation so as to achieve personalized and efficient English learning.

2. The Significance of the Construction of College English Blended Teaching Model from the Perspective of Artificial Intelligence

From the perspective of artificial intelligence, the significance is mainly reflected in the following five aspects to construct a college English blended teaching model.

2.1 Personalized Learning

Through AI technology, education can be better customized according to the learning needs and characteristics of each student. Through the intelligent system, students' learning data and behavior patterns can be analyzed to provide target learning content and feedback and make the learning process more efficient and more in line with the individual needs of students.

2.2 Intelligent Computer-Assisted Instruction

Artificial intelligence technology provides intelligent computer-assisted tools for speech recognition, natural language processing and other teaching, and helps students to train and evaluate their speaking, listening, reading, writing and other aspects. This kind of intelligent computer-assisted teaching can improve the learning efficiency and reduce part of the educational burden for teachers.

2.3 Reinforcement Learning and Adaptive Learning

Reinforcement learning algorithms and adaptive learning systems can better adjust and optimize education based on students' learning situations and feedback information. Through the dynamic adjustment of the intelligent system, the education content and form can be personalized and intelligent to improve the adaptability and feasibility of education.

2.4 Spatio-temporal Learning

The application of artificial intelligence technology makes it possible to have a spatio-temporal learning experience that is not limited by time and space. Students can study interact and collaborate with teachers and classmates anytime, anywhere through online learning platforms, thus increasing the flexibility and convenience of learning.

2.5 Promoting Teacher Development

Teachers can also be promoted and supported through the application of AI technology. Intelligent teaching tools and resources help teachers better understand student learning and provide personalized guidance and support for them. It can also provide teachers with more educational resources and methods to promote their professional development and improve their teaching ability.

To sum up, from the perspective of artificial intelligence, the construction of college English blended teaching mode aims to improve the individualized degree, intelligent level and temporality and spatiality of education so as to promote the overall development of English teaching and improve the teaching effect and students' learning experience^[1].

3. Specific Problems in the Construction of College English Blended Teaching Model from the Perspective of Artificial Intelligence

When constructing a college English blended teaching model from the perspective of artificial intelligence, there will occur the following specific issues. There is a high demand for technical support and infrastructure construction resources. The implementation of the blended training model requires a variety of technical tools and online platform application programs. Therefore, a large amount of funds and resources need to be invested in technical support and infrastructure construction, including the establishment and maintenance of network facilities and intelligent training systems. The educational ability of teachers needs to be improved. Teachers need to master new educational technologies and tools to meet the needs of blended teaching models. Therefore, teachers need to improve their educational ability. To this end, it is necessary to invest a certain amount of time and resources to establish a sound education system and mechanism and integrate and optimize the training content and resources. The blended training model requires the integration and optimization of various training content and resources, including existing textbooks, online resources, online courses, etc. They are the problems that need to be seriously considered and solved how to choose and integrate these resources and how to optimize the design and production of training content. There are data privacy and security issues. When teaching using AI technology, students' learning data must be collected and processed, which includes data privacy and security safeguards. They are problems that need to be paid attention to and solved how to ensure that students' personal information is not leaked and how to protect data security. In the blended training mode, existing evaluation methods may no longer be applicable, so it is necessary to establish new evaluation systems and methods. They are issues that need to be studied and improved how to evaluate the learning effectiveness and educational quality of students and how to evaluate the educational achievements of teachers. It is necessary to build teacher-student interaction and communication mechanisms. Under the blended training model, teacher-student interaction and communication may be affected, so it is necessary to establish effective communication mechanisms and platforms to maintain educational interaction and effectiveness. They are problems that need to be studied and perfected how to evaluate students' learning effect and educational quality and how to evaluate teachers' educational results. To solve these problems, we need the support and cooperation of schools and education departments, and the active participation and support of educational technology enterprises and research institutions. Only through the joint efforts of the whole society can the effective construction and implementation of college English blended teaching mode be realized from the perspective of artificial intelligence^[2].

4. Optimization Strategies for the Construction of College English Blended Teaching Mode from the Perspective of Artificial Intelligence

4.1 Innovating Teaching Mode

Innovating teaching mode is one of the important strategies to optimize the blended teaching model of college English from the perspective of artificial intelligence. Teachers can introduce project-based learning to enable students to participate in and complete practical projects to acquire English knowledge and skills. Designing English learning projects that combine artificial intelligence, such as speech recognition projects, natural language processing projects, etc., enables students to make use of what they actually learn. It is necessary to improve the effectiveness and interest of learning. We can design English learning games using gamified learning methods to stimulate students' interest and participation in learning. Through gamified learning, students can improve their learning motivation, efficiency, and interests. Innovating teaching mode is one of the important strategies to optimize the blended teaching model of college English from the perspective of artificial intelligence. Teachers can introduce project-based learning to enable students to

participate in and complete practical projects to acquire English knowledge and skills. Designing English learning projects that combine artificial intelligence, such as speech recognition projects, natural language processing projects, etc., enables students to make use of what they actually learn. It is necessary to improve the effectiveness and interest of learning. We can design English learning games using gamified learning methods to stimulate students' interest and participation in learning. Through gamified learning, students can improve their learning motivation, efficiency, and interests. At the same time, combining artificial intelligence technology, the difficulty of games can be dynamically adjusted according to the learning situation and performance of students, achieving personalized learning. Students should be encouraged to collaborate in learning to engage in English learning and communication within a team. Online collaboration platforms that are built using artificial intelligence technology can help students solve problems, discuss learning, and improve their English communication and teamwork skills within a team. It is necessary to design personalized learning path and content according to students' learning characteristics and needs. Combined with artificial intelligence to do learning analytic and data mining, it is possible to provide each student with a personalized learning plan, personalized learning resources and feedback to help them learn English more effectively. It is necessary to integrate English learning with knowledge from other disciplines to design interdisciplinary English teaching activities and projects. Through interdisciplinary integration, students can improve their learning interest and comprehensive ability of subjects, and improve their understanding of English learning. This innovative education model can effectively promote students' English learning, improve the teaching effect and students' learning experience. At the same time, with the application of artificial intelligence technology, personalized, intelligent, and spatio-temporal learning in education can be better achieved to promote the continuous optimization and development of blended learning models for college English^[3].

4.2 Optimizing the Teaching Atmosphere

Optimizing the teaching atmosphere is one of the key strategies to construct the blended teaching mode of college English from the perspective of artificial intelligence. Teachers should create a positive learning atmosphere to encourage students to explore and innovate and introduce innovative teaching methods and programs to stimulate students' interest in learning and creativity and develop their independent thinking and problem-solving skills. Teachers should promote cooperative learning, allowing students to learn and progress together in cooperation. Group discussions, group projects, etc. can be used to promote cooperation and communication among students and cultivate their team spirit and collective consciousness. Teachers should provide students with a good learning environment and facilities, including comfortable classrooms, advanced educational equipment, technical support, etc., which helps to create a good learning atmosphere and improve the efficiency and quality of learning. They should stimulate students' interest in learning through various educational content and methods. Combining practical examples, story situations, etc. to teach can make the learning content more attractive and interesting. They should encourage students to actively participate in classroom activities and discussions, reward and recognize outstanding students appropriately, and encourage other students to participate in those activities, thereby creating a good learning atmosphere. They should advocate a respectful and inclusive learning atmosphere and encourage students to respect the views and ideas of others and constantly broaden their horizons, promoting the exchange and integration of diverse cultures. Optimizing the strategy for this educational atmosphere can create a positive, open, and collaborative learning environment to promote the effective implementation and development of blended teaching models of college English^[4].

5. Conclusion

In conclusion, the goal of constructing a blended teaching model for college English is to utilize artificial intelligence technology for personalized learning, intelligent computer-assisted instruction, strengthening learning and adaptive learning, spatio-temporal learning, and promoting teacher development, improving teaching effectiveness and student learning experience, and promoting the comprehensive development of English teaching.

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