Analysis on Interactive Teaching Strategies of English in Higher Vocational Colleges Based on Artificial Intelligence Technology

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Abstract: The application of the Internet technology in teaching and the development of "Internet +" industry in education are becoming more and more mature, which promotes the English teaching in higher vocational colleges and other colleges to develop towards a more diversified, modern and intelligent direction and interactive teaching also presents a more diversified and intelligent development trend. Nowadays, intelligent APP and other artificial intelligence technologies have been widely applied to the teaching in and out of class, teaching practice, assessment and other aspects of English classes in higher vocational colleges. Various artificial intelligence English databases also provide convenience for teachers' teaching and independent learning. At the same time, artificial intelligence can change the way of teaching, learning and interaction. The teaching under the environment of artificial intelligence needs more attention to students' autonomy and subjectivity, so it needs to be based on the characteristics of students, designing and implementing personalized teaching and selecting rational intelligent interactive ways and contents to help students study more efficiently and independently. The teaching reform involves all aspects of teaching, so it is not easy to implement interactive teaching with artificial intelligence systematically and perfectly. This paper discusses and analyses effective strategies of interactive teaching English in higher vocational colleges based on artificial intelligence technology from the analysis of students' demand, optimizing the teaching organization form, teaching means, assessment methods and other aspects to help higher vocational teachers assist students to learn English more independently, efficiently, with high quality and personalization.

Keywords: English teaching in vocational colleges; Artificial intelligence technology; Interactive English teaching

Since the application of artificial intelligence, it has great help and negative impact on education. Facing the great impact of information technology and artificial intelligence in the field of education, it is an inevitable trend to follow the time and seek for reform. Information technology has created a new teaching environment, which has an enormous impact on teaching methods and learning methods. As teachers, they must actively make innovations, better utilize intelligence technology to implement teaching and interaction and guide students to study and research independently through the practical intelligent technology, such as the word speech recognition, image recognition and intelligent translation. In terms of the present situation of English teaching in higher vocational colleges, there are some problems. For example, the application of intelligent technology is single; the cultivation of students' practical operation is poor and students lack independent ability as well as comprehensive ability, so teachers should implement teaching and interaction by actively integrating some teaching modes, such as flip classes, micro classes and MOOCs (massive open online courses) with artificial intelligence technology to realize the remote one-on-one interaction, personalized teaching, which accurately helps each student improve his or her English knowledge and comprehensive ability with a hierarchical, autonomous and scientific way.

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1. Focus on learning and analyze students' needs and characteristics

Whether it is the requirement of new curriculum standards or the purpose of using artificial intelligence technology for efficient English teaching, the idea of student-centered learning needs to be attached importance to and run through all teaching activities. Only through student-centered teaching activities can students take interest, correct cognition and personal goals as the scientific driving force and drive themselves to take the initiative to learn, adjust their own state, change their bad learning habits and psychology, improve their English scores and improve their comprehensive quality in self-exploration. Therefore, it is very important for all kinds of modern teaching. Besides, teachers should integrate and pay attention to this strategy in teaching plans and teaching practice.

Secondly, it is necessary to better pay attention to and analyze students' learning needs and characteristics in the course interaction, so as to make better use of intelligent technology to formulate reasonable and personalized teaching plans. It is worth mentioning that the advancement of artificial intelligence technology has made many artificial intelligence software applications more accurate in analyzing students' operations and helping teachers better grasp students' learning needs.

In addition, while analyzing students' needs, teachers need to quickly integrate various teaching resources and transfer them on the Internet or implement offline teaching according to their different characteristics, so as to create a diversified and efficient teaching environment. For students, they use artificial intelligence technology to study online, so teachers should create a more diverse and personalized online repository and online teaching way based on students' different learning needs and teaching objectives. For example, for the basic knowledge and important or difficult knowledge, they can make micro videos, set up an online learning platform, implement online lectures, utilize online live lectures and other methods to achieve real effective interactive teaching in English.

2. Enrich teaching methods and carry out scientific interaction

In terms of the current enrollment of higher vocational colleges, the number of recruit students is increasing. English is the basic compulsory courses in higher vocational colleges, while many of the students' knowledge, learning ability and learning attitude are weak and they also do not have enough learning motivation and correct learning cognition, therefore in the study of English in higher vocational colleges, students often cope with it in a negative attitude. Many students dislike the traditional teaching and infatuate for mobile phones, computers, videos and so on, so teachers should actively use the Internet to create more multi-modal, multidimensional interactive teaching, such as network news, novel stories, MOOC, micro courses and other forms to gradually arouse the students' interest in learning and they can integrate more diverse knowledge of English to help students regain learning fun and improve the English learning cognition.

Audios, videos and pictures are the most common forms of information. Teachers should use artificial intelligence APP to implement a more diverse and interesting interactive teaching, such as vying to answer first in mobile phones, online discussions and so on to improve the enthusiasm of students to participate in problem interaction. Teachers can be faster and more accurate to understand students' learning needs and learning situation through class observation and feedback of analysis software to facilitate teachers to adjust teaching plans and arrange later teaching.

3. Utilize artificial intelligence technology and organize more efficient teaching activities

While creating multi-modal and multidimensional intelligent interactive teaching, teachers should do a good job in all aspects of teaching organization, improve the efficiency of teaching and students' learning and avoid wasting time. Firstly, teachers use the Internet and other devices to shoot and collect accurate teaching resources according to the teaching plans made for teaching purposes and students' conditions. Then, they should select the appropriate network platform to upload videos, audios, images and so on before the class. Finally, if it is class teaching, it is better to use the resources to create a good teaching situation, the environment and interactive sections, while if it is online teaching, it is better to use the platform and resources to represent the real interactive environment, then according to the specific
teaching design, tasks, guide students in a manner of problems such as group cooperation, interaction, or flip class, the role playing, simulation methods to better implement autonomous learning.

4. Optimize the teaching evaluation system

In modern teaching evaluation, it is necessary to attach importance to and increase the proportion of formative evaluation and other qualitative evaluation. Under the intelligent teaching environment, there are more diversified teaching methods and the time of online teaching and students' independent learning increases significantly. Therefore, the proportion of qualitative evaluation should be reasonably increased. In terms of the current evaluation structure of English in higher vocational colleges, more than half of the colleges and universities have taken the form of examination and assessment, but there are some problems such as incomplete qualitative evaluation and unreasonable evaluation index.

Therefore, the existing teaching evaluation system must be optimized to more accurately reflect the teaching situation and guide the next step of teaching reform. Firstly, it is necessary to construct the teaching evaluation throughout the entire learning process of students and then according to the teaching goal, it is necessary to set up reasonable evaluation standard and evaluation weight on the students' English knowledge, learning attitude, innovation ability and practice ability, making the evaluation more accurately and reasonably reflect the real situation of teaching, students' various abilities and mastery of knowledge. Through evaluation, teachers can master the weak parts and common problems of students to adjust the content of the following courses and to better make and integrate resources, so as to give secondary guidance to students more efficiently, or put forward effective suggestions for improvement and guide students to study and practice more efficiently.

5. Conclusion

To sum up, as the intelligent era has quietly come, the English teaching in higher vocational colleges should actively adapt to the development of the time, integrate artificial intelligence technology and create and optimize micro classes and other teaching modes, making interactive teaching more diversified and individual, more accurate and fast to help students improve their learning ability, learning cognition and making students more actively and positively participate in the online and offline interactive teaching. It is necessary to give students personalized guidance, promoting students improve English knowledge and comprehensive ability faster and more comprehensively.

References