

Research on College English Mobile Learning Platform Based on Artificial Intelligence

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Abstract: With the rapid development of China's economic strength and scientific and technological power, internet technology is increasingly suitable for various fields such as life, education, medical treatment, shopping, etc., which greatly expands the vision of China's society and residents. At the same time, artificial intelligence gradually integrates with human life and brings new experience to the public. This paper takes artificial intelligence as the background and the college English mobile learning platform as the research object, analyzes and discusses the current situation, feasibility analysis and construction countermeasures of the college English mobile learning platform, uses the advantages of the current big data era to explore a new environment for college students' English learning and improve their enthusiasm and initiative in English learning.

Keywords: Artificial intelligence; College English; Mobile learning platform

1. Introduction

1.1. The status of college English mobile learning platform

With the trend of internationalization becoming more and more obvious, international trade and cultural exchanges are increasingly strengthened, and English learning in China has become a key learning content in various college educational subjects. Under the background of English becoming an important learning content for Chinese learning groups, college faculty, teaching equipment, teaching system, etc. in colleges and universities has become important factors affecting the English learning effect of college students. In terms of the characteristics of college English classes in China, oral teaching is still the main teaching method, supplemented by film and video teaching; in the form of college students' English learning, it mainly focuses on absorbing teachers' teaching content, supplemented by exercises and data searching. From teachers and students, we can see that in the English teaching mode of college students, the teaching and learning activities are still carried out in the traditional form, lacking certain interactivity and classroom fun.

The popularization of big data networks and artificial intelligence has brought new horizons to the social life, education, economy and other fields. However, as far as the current teaching model of college English classrooms is concerned, artificial intelligence learning

tools and mobile learning platforms under the background of big data have not been effectively introduced into the teaching of college English timely. Influenced by traditional concepts, students should pay attention to the teacher's teaching process when they entering the classroom, while mobile devices such as mobile phones and tablets PC can only be used for study after class or in other free time. At the same time, teachers have introduced fewer mobile learning platforms in the classroom. Some teachers will recommend some apps or public number that are conducive to English learning for students, but the effective utilization rate of students is also low, and the use effect is not obvious.

In terms of the current demand of college students for English learning, it is necessary to adopt a hybrid online and offline teaching mode. The offline teaching mode is conducive to students' consolidation of the foundation, while the online teaching mode is conducive to students' expansion of cognition. At present, the platforms for online English learning are complicated. For example, platforms for enriching vocabulary accumulation of students, oral communication training, reading improvement, English grammar learning, etc. In the context of artificial intelligence, it can almost meet students' various demands for English learning through online mobile platforms, which greatly reduces the difficulty of English learning under the traditional English learning mode, at the same time, the mobile learning platform fully combines the problems existing in the traditional English learning envi-

ronment of college students, showing the unique advantages of the mobile learning platform, which greatly improves the efficiency and the initiative of English learning for students, establishes a more perfect learning environment for college English learning[1].

2. Feasibility Analysis of College English Mobile Learning Platform

The implantation of mobile learning platforms in college English learning is an objective demand for students' learning status in the current education field. At present, the content of students' learning is gradually deepening and widening, and the competitive pressure for further education and work is increasing. It is not enough to stay at the learning stage taught by teachers. At the same time, the university is a stage for students to enrich their development. The theoretical knowledge learning and social practice content are more. The learning time of students is divided, and the learning time in the classroom is shorter. In order to satisfy more diversified learning content, we must resort to various mobile learning platforms. Therefore, the use of college English mobile platform is very necessary to meet the diverse English learning needs of students.

2.1. Mobility

Mobility is the most important feature compared with that of traditional teaching model. In the traditional single teaching mode, the learning environment of students takes the classroom as the main field. Teachers generally play the role of one-way knowledge output. The teaching content must be completed in a fixed time and a fixed place. The overall teaching space and time are relatively limited. At the same time, college English is different from other Chinese subjects. It is very difficult to learn without the help of external resources in cognition and understanding. Teachers cannot provide guidance and explanation for students in the time after class, and students' learning enthusiasm and initiative will be restrained to some extent.

The mobile platform is based on certain mobile devices, such as smart phones, tablet PC, etc., which can make full use of the fragmented time of college students for effective learning. In terms of learning time, learning place, and learning method, students can carry out selective learning. Mobile learning platform implanted into the process of college English learning, can make students use the schools' fixed or not fixed platform resources to study and solve their doubts or difficulties. For example, the "micro-teaching" mobile learning platform, teachers can make use of this platform to assign English learning tasks for students

whether it is pre-class preparation, in-class thinking, or after-class exercises. And the students' learning status and learning results can be showed through this platform. The students' learning time and space have been greatly adjusted and released, improving the use efficiency of time. Teachers can also receive students' learning results according to the background learning data of the platform, supervise the student's English learning process, and improve the efficiency of college students' English learning to a certain extent[2].

2.2. Instantaneity

The mobile learning platform based on artificial intelligence can fully consider the needs of users and their real state. The purpose of student-centered teaching activities is to promote students' knowledge absorption more effectively. In the traditional teaching system, college English learning is only maintained in the two links of the teacher's classroom teaching and the dictionary review after class. The dullness of English and the traditionality of learning style make students learn English passively for a long time. In the process of learning, students encounter difficulties or doubts that cannot be solved in time, and the problem solving mechanism is relatively lagging behind.

With the support of artificial intelligence mobile learning platform, English learning of college students has gradually changed from passive to active, and learning no longer only rely on teachers to achieve certain learning effects. The way, methods and content of learning English have been updated. In the classroom, students grasp the key points and difficulties through the simultaneous explanation of the teacher. After class, students can focus on the areas they are interested in by collecting MOOC and video materials for dedicated learning, and at the same time they can use the app to accumulate words and conduct oral training, it can provide students with convenient and accurate guidance to meet the real-time needs of students in the English learning process.

2.3. Interactivity

At present, with the continuous advancement of internet technology and artificial intelligence, some universities have introduced intelligent information platforms into teaching classrooms in the learning process of English and other disciplines. Compared with traditional teaching model, it not only enables students to interact effectively with teachers in the classroom, but also allows teachers and students to communicate in different places and at different times after class, enriching the methods of English learning and effectively changing the teacher-oriented teaching mode, so

that students can also become the main body of the classroom, improve the effect of English learning. Teachers can implement a series of teaching activities through the internet platform, such as “checking network”, “micro teaching assistant” and other mobile learning platforms, which can allow teachers to expand the teaching form beyond the classroom. Teachers can share learning resources through the network, organize the students to study online, answer the questions online, assign and correct homework online, enriching teaching forms. In addition, students can effectively use these mobile learning platforms to draw the distance between students and teachers. Students can communicate with the teachers where they have doubts, or they can use these mobile platforms to answer themselves, they can realize their cognitive purpose by collecting relevant questions and learning from online answers by other teachers.

2.4. Initiative

The richness and diversity of teaching content is an inevitable requirement in the context of artificial intelligence. The teaching content in the traditional teaching mode is mainly based on textbooks, with the exercises as consolidation. Students can only ask the teacher or refer to material to get knowledge what they want to learn. Students’ learning content and motivation are limited. So it is difficult for students to form a pioneering understanding of a problem, and their thinking and curiosity for knowledge will be suppressed.

In the introduction of mobile learning platforms under the influence of artificial intelligence, students’ learning content is not limited to textbooks, but more often comes from various multimedia resources on the network, making the content of teaching and learning more diverse. Students can study according to the relevant learning materials provided by teachers in class, and also can collect learning materials on the network platform according to their interests, so as to meet their needs in the process of listening, speaking, reading and writing. A variety of learning resources can help students choose their favorite learning style, cultivate their interest in English learning, mobilize their enthusiasm and initiative in English learning, and improve their English level.

3. Strategies for Constructing College English Mobile Learning Platforms

3.1. Improve the teaching application of mobile learning platform

In the current educational environment, the application of mixed teaching mode in the process of teaching and learning of English has become an inevitable trend of subject learning. Colleges and universities should not only pay attention to teachers’ teaching effect in class, but also recognize the practical significance of various mobile learning platforms in teacher-student teaching. For now, although various software platforms for mobile learning are rich and diverse, affected by the traditional teaching model, relatively few have been effectively introduced into the process of college English teaching. Improving the teaching application of the mobile learning platform is a targeted measure that fully takes into account the characteristics of students’ learning at present. Mobile learning platform can be used for pre-class preparation, in-class discussion, and after-class exercises. Through the background data, teachers should feedback students’ English learning status timely, and take this objective data as the evaluation basis of their comprehensive learning results, and it can effectively stimulate students’ enthusiasm in English learning, so it is the most direct and effective way to improve their English learning effect[3].

3.2. Strengthen the supervision and evaluation of mobile learning platform

Although the mobile learning platform is gradually being recognized and praised by the majority of students, teachers and English learning amateurs, in the process of using the mobile learning platform, the detection of learning results and the supervision of the learning process still need to be further improved. Whether it is for the designer of the mobile learning platform or for the users of the mobile learning platform, the purpose is to achieve the user’s learning purpose, so some monitoring methods in the learning process should be added in the user’s using process to overcome their inertia. For example, the deduction incentive mechanism used in scallop English reading, Users pay a fee before subscribing to English readings, and the platform refunds when the users finishing the reading contents on time, thus motivating users to learn effectively in the long run. Introducing a reward and punishment mechanism into the mobile learning platform can effectively transform the user’s early passive learning into a later active learning, it can meet the user’s challenging psychology to a certain extent, achieving their learning goals.

4. Conclusion

China is in the period of social transition, the advancement of artificial intelligence brings new chal-

Challenges and opportunities for various fields in China. With the development of artificial intelligence, the application of mobile learning platform in college English learning will also appear in the teaching system of colleges and universities in China. The mobile learning platform fully combines the characteristics and problems of contemporary college students in the process of English learning. The learning time and place, as well as the learning methods and attitudes, have been improved in the application of the mobile learning platform. Of course, the mobile learning platform under artificial intelligence also needs certain supervision means to better achieve the goal of learning, otherwise it just exists to meet the students' false learning, fundamentally, it can't improve students'

English learning effect. Essentially, the introduction of mobile learning platforms has played an irreplaceable positive role in the teaching and learning of college English.

References

- [1] Yang Zhiyong. Research on English mobile learning platform and application effect of Minzu College based on high quality learning smartphone application software. *Overseas English*. 2019, 5(6), 88-89.
- [2] Liu Dandan, Ma Na, Yang Lihua. College English learning based on smart phone mobile learning platform. *After-school Education in China*. 2018, 23(3), 33-34.
- [3] Gu Ronghua. The construction of college English learning platform based on mobile learning. *The Asia-pacific Education*. 2016, 3(12), 66-67.