Construction and Application of College English Teaching Management System Based on Computer Software

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Abstract. The foundation of English education in China is relatively solid. China's compulsory education policy also tends to high-quality English education. Many parents hope their children can receive more advanced English education. They even spend a lot of money on English education and training institutions. With the increasing trend of internationalization, English language has become an important language way for us to communicate with international friends. This paper briefly introduces the historical process of English teaching. The research of English teaching management system based on computer software technology has become an important topic for many linguists.

Keywords: Software, English Teaching, Management System, Application

1. Introduction
When we were in primary school, we began to contact English education. English education has been accompanied by the implementation process of our compulsory education. After entering the University, CET-4 and CET-6 also appear in students' vision [1]. If students choose to study abroad, IELTS is also an important assessment target. The speed of social progress in our country is very fast. The frequency of international exchanges is increasing. The number of English talents needed by social development has become more and more. The variety of English talents has become very rich. Therefore, China's education sector attaches great importance to English.

However, many scholars think that the traditional English teaching has many disadvantages. Moreover, with the gradual aggravation of the epidemic situation abroad, it is difficult to get people's support for face-to-face classes of English education (see Figure 1). Nowadays, the network teaching system in China has been widely used. Linguists believe that the construction of English teaching management system based on computer software can effectively replace the face-to-face class to complete the task of English teaching. At present, computer English teaching software has appeared in the network. This paper briefly introduces the historical process of English teaching. Finally, this paper puts forward the development standard of teaching software.
2. An analysis of the historical process of English teaching

2.1. English is known as the language of the world
More than 5000 years ago, English culture appeared in the nomads of the European Plain. Primitive English is a combination of Indian and European languages [2]. The invasion of Norwegians changed the language and culture of English. After that, Christianity was founded by primitive Americans. Christianity is popular all over the world. With the development of the times, the power of Christianity has become more and more powerful. Many people believe in Christianity. They also believe that English is the language of God.

2.2. The development process of English language in China
The region where English culture appeared in Chinese history is the western regions. In the Tang Dynasty, Christianity was introduced into China. However, the influence of Christianity was very small in the jurisdiction of Tang Dynasty. The number of believers in Christianity in Tang Dynasty was also relatively small. However, during the Tang Dynasty, many officials began to pay attention to the study of foreign English culture. Until now, English culture has become our first foreign language.

![Figure 1. The practical classroom of English teaching with the application of computer software](image)

2.3. Traditional English Teaching
After the reform and opening up, the state began to rectify the educational contents of the educational circles. The National Education Department has strengthened the study of traditional engineering subjects and science subjects. The Ministry of education proposes to pay attention to English teaching. Traditional English teaching has attracted the attention of people from all walks of life. Nowadays, people think that the traditional English teaching is not suitable for the learning needs of contemporary young people. People began to turn their attention to computer teaching.

2.4. The emergence of computer English Teaching
Traditional English teaching has many advantages. However, people pay more attention to its disadvantages. Experts believe that computer English teaching can effectively improve the quality of the classroom. People began to study the feasibility of this theory. With the rapid popularization of computer technology, computer English teaching software has emerged. People are not satisfied with the use of English teaching software. The management system based on English teaching software has been developed.
3. The main role of computer software technology in English teaching management system

3.1. Enhance the students' sensory effect
The traditional English teaching classroom pays attention to the indoctrination teaching method. Using language to describe the culture of English language is an abstract teaching method [3]. It is difficult for students to understand the key content of language and culture. This leads to a lot of students are tired of learning English. Computer multimedia technology uses the combination of sound and animation to show the perfect video teaching of English. This way can enhance the students' sensory experience.

3.2. Multidimensional information promotes the production of multidimensional thinking
English learning mainly cultivates students' language cognitive ability. However, when a person enters a new cognitive field, he will feel very confused. Computer technology can produce information of many dimensions. These information can promote the generation of multi-dimensional thinking. Multimedia technology provides a variety of information teaching methods for human multidimensional thinking. It can effectively link students' confusion.

3.3. Realization of innovative learning style
Traditional English teaching can not get a lot of parents' knowledge. Many students are also tired of traditional teaching methods. Linguists believe that today's students need innovative ways to support their language learning. English teaching based on software technology can adopt many kinds of innovative ways to achieve English teaching. It can effectively improve students' interest in learning English. It can even improve students' motivation to learn English.

3.4. Popularization of human-computer interaction ability
An important part of computer technology is human-computer interaction. The emergence of human-computer interaction has shocked many language experts. Computer based innovative learning mainly comes from the ability of human-computer interaction. Computer software English teaching is mainly student-centered. It can realize two-way information transmission. Computers provide students with a lot of English knowledge. Students complete information feedback through interactive devices.

4. The application of College English teaching management system based on computer software

4.1. Basic theory learning supported by video technology
In fact, the basic content of English teaching is very few. Computer can use multimedia video technology to improve basic English courses. This part is suitable for beginners. This part is also suitable for very young students. Video technology and audio technology interact. Multimedia English software teaching can greatly improve students' interest in learning English. It can avoid the students' boring psychology (see Table 1).

4.2. Content of knowledge assessment of computer technology support
The traditional way of English test paper examination is adopted. However, due to the influence of printing technology, the printed characters in many papers are easy to disappear. Teachers can use computer system to make corresponding English test papers. Teachers can also set up the corresponding assessment system in the English software management system. Assessment scores will be counted as credits. Students who fail in the examination will be given a make-up examination in time.

4.3. Computer supported vocabulary expansion system
Vocabulary is the most important content in English learning. If you master vocabulary, you can master a lot of English knowledge [4]. English vocabulary is also known as the basic knowledge of
English learning. The unit of translation of English articles is vocabulary. The unit of English composition is vocabulary. Each English word has its own extended vocabulary. Computer technology can support the expansion of vocabulary and the query of words. It can help students improve their vocabulary more quickly.

4.4. Oral practice supported by human computer interaction technology
Many foreign scholars think our English is dumb English. They think Chinese scholars are very shy. Indeed, our oral practice is relatively small. Many schools pay attention to students' English cultural achievements. They forget that spoken English is the most important thing. Computer can use human-computer interaction technology to make corresponding oral practice system. Students can complete the corresponding oral training through this system.

| Table 1. A survey of English teaching projects based on the application of computer software and the corresponding praise rate |
|---------------------------------|---------------------------------|-----------------|
| **English Language Teaching**   | **Computer software application** | **Praise rate** |
| Basic knowledge                 | Multimedia software             | 85.14%          |
| Vocabulary expansion            | Dictionary software             | 77.85%          |
| Knowledge assessment            | Assessment system software      | 65.38%          |
| Oral training                   | Human computer interaction software | 91.85%        |

5. The construction of College English teaching management system based on computer software

5.1. Schools need to strengthen the updating of computer equipment
The technical support equipment of English teaching management system is computer. We need to pay attention to the compatibility of teaching software and computer system. Schools need to speed up the updating of computer equipment. In addition, the school should also replace the computer hardware regularly. It is necessary to adapt computer software and hardware reasonably. English teaching system should also get a lot of technical support.

5.2. Construction of English Curriculum Resource Database
The main task of English teaching management system is to share English curriculum resources. Other functions are secondary tasks. We must establish the corresponding English curriculum resource database. Before the establishment of English teaching management system. Schools should widely collect electronic resources of English courses. Schools can also develop some curriculum resources on their own. Generally speaking, the types of English courses in the curriculum resource pool should be rich.

5.3. Technical personnel should establish websites with corresponding functions
In fact, the English teaching management system composed of computer English teaching software should be an independent website. The technical personnel in the school should develop a website with good stability [5]. Generally speaking, the functions of the website should include student information management system and teacher information management system. The internal application should include online course learning, assessment system, oral training system and corresponding human-computer interaction system.

5.4. Development of corresponding computer teaching software
In fact, the development cost of computer English teaching software is very high. This is a lot of money that schools can't afford. Many schools can only produce the corresponding function website. Software development needs many kinds of servers. Therefore, the school needs to recruit a lot of advanced computer talents. Teaching software not only has various applications of functional website, but also has security management system.
6. The development standard of English teaching management system based on computer software technology

6.1. Determination of environment for software operation
We should pay attention to the compatibility of teaching software and computer system. If the software and the system are not compatible, the software will be difficult to complete the update. Therefore, we need to accurately determine the environment in which the software runs. Generally speaking, the running environment of teaching software is generally selected as windows system. Because the update of win 10 system is unstable. Therefore, we will choose the win 7 system as the main operating environment.

6.2. Simplicity of software operation
Nowadays, many college English teachers are very old. It's a lot of their resumes. The older generation of teachers appreciate the traditional way of English teaching. Many older teachers don't even operate basic teaching software. In the design process of English teaching management system, designers need to consider this problem. They should make sure that the operation of the teaching software is easy to understand.

6.3. Software development costs
According to the above description, we know that the development cost of many teaching software is very high. Some schools in remote areas don't have enough money to support software development. And the local government will not provide schools with a lot of investment in education [6]. This kind of influence is very bad. Therefore, in the process of developing education management system, designers should pay attention to the cost of software development. Designers should be able to provide more development solutions.

7. Conclusion
The English language seems to have become our second mother tongue. China pays close attention to the related problems of English education. It is hoped that the governments of various regions can support the development of computer English teaching software management system. We must make unremitting efforts to find better means of English teaching.

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