

# Research on the Current Situation and Improvement Strategies of Information-based Teaching Ability of College English Teachers

Fali Liang

School of Foreign Languages, Xinyang University, Xinyang, Henan, 464000, China

**Abstract:** This paper aims to explore the current situation of college English teachers' information-based teaching ability and its promotion strategies. First of all, through the analysis of the current situation of college English teachers' information-based teaching ability, it reveals the advantages and disadvantages of teachers in the application of information technology. Secondly, it puts forward the strategies to improve teachers' information-based teaching ability, including curriculum and training improvement, application of educational technology tools and policy and system support. Finally, combined with practical cases, this paper analyzes the practical experience of improving information-based teaching ability, and looks forward to the future development direction.

**Keywords:** college English teachers, information teaching, teaching ability, promotion strategy, educational technology

## 1. Introduction

The rapid development of information technology and the popularity of the Internet have promoted profound changes in the field of education. Especially in higher education, information-based teaching has gradually become an important way to improve teaching quality and promote teachers' professional development. With the popularity of online education platforms and various educational application tools, how teachers can effectively use these resources for information-based teaching has become an important issue in current education reform. In this context, the information-based teaching ability of college English teachers has become an important manifestation of their professional ability. Information-based teaching not only requires teachers to have the basic ability to operate information technology tools, but also requires them to combine information technology with teaching content to enhance classroom interaction and students' learning experience. However, although many colleges and universities have carried out relevant training and application exploration of information-based teaching, there are still some problems in practical teaching, such as uneven teachers' information-based teaching ability and insufficient utilization of teaching resources. Therefore, it is of great significance to study the current situation and promotion strategies of college English teachers' information-based teaching ability.

## 2. The current situation of college English teachers' information-based teaching ability

### 2.1 The definition and framework of college English teachers' information-based teaching ability

The information-based teaching ability of college English teachers refers to the ability of teachers to effectively use information technology tools and platforms in the teaching process to improve teaching efficiency and students' learning effect. This ability not only includes basic computer operation ability and multimedia application skills, but also includes deep understanding and innovative application of information technology, such as using big data to analyze students' learning situation and interactive teaching through online teaching platform. The framework of informatization teaching ability usually includes many dimensions, such as technical operation ability, teaching design ability, learning resource

integration ability and teaching effect evaluation ability. This framework provides a theoretical basis for evaluating the comprehensiveness of teachers' information-based teaching ability, and also provides a goal for improving teachers' information-based teaching ability.

## **2.2 Analysis of the current situation of college English teachers' information-based teaching ability**

At present, although information-based teaching has become an important part of education reform, there is still a certain gap in the information-based teaching ability of college English teachers. On the one hand, some teachers have strong technical operation ability and can skillfully use basic information technology tools, such as PPT production, online classroom and learning management system application. However, on the other hand, some teachers have shortcomings in the innovative application of instructional design and educational technology tools. The combination of information technology and teaching content is not close enough, and the advantages of information-based teaching in improving teaching quality and students' interest in learning are not fully utilized. In addition, due to the differences in teachers' understanding and application of the concept of information-based teaching, the application of information-based means only stays on the surface in actual teaching, and fails to effectively change the teaching mode. Therefore, it is urgent to improve teachers' information-based teaching ability from many aspects.<sup>[1]</sup>

## **3. Strategies for improving the information-based teaching ability of college English teachers**

### **3.1 Improvement of courses and training**

The improvement of college English teachers' information-based teaching ability first needs to be realized through systematic courses and training. At present, although many colleges and universities have set up relevant training courses for information-based teaching, most of them are limited to the operation training of basic tools, lacking in-depth guidance for teaching design and innovative application. In order to improve the practical application ability of teachers, the training course should pay more attention to the practical link, combine the actual teaching scene, and encourage teachers to carry out case analysis and exchange sharing of information-based teaching. At the same time, the course content should cover the renewal of information-based teaching concepts, the innovation of teaching models, and how to optimize classroom management and student assessment through information technology, so as to help teachers continuously improve their teaching innovation ability and ability to adapt to the information-based teaching environment.

### **3.2 Application of Educational Technology Tools**

The effectiveness of information-based teaching depends largely on the application of educational technology tools. At present, many college English teachers have a certain mastery of basic teaching tools such as PPT and electronic whiteboard, but there is still much room for improvement in the use of educational technology tools for interactive teaching and personalized learning. In order to improve teachers' information-based teaching ability, we should increase the promotion of educational technology tools, especially some interactive and personalized learning tools, such as online learning platform, virtual classroom, learning management system (LMS), etc.<sup>[2]</sup>. In addition, teachers should constantly explore how to combine these technical tools with teaching content, teaching objectives and students' needs, so as to maximize the teaching efficiency of information technology and enhance classroom interaction and students' learning enthusiasm.

### **3.3 Policy and institutional support**

In addition to the efforts of teachers themselves, the information-based teaching reform in colleges and universities also needs the support of policies and systems. First of all, the school should provide policy support from the top-level design to ensure that information-based teaching can be incorporated into the overall development plan of the school. It includes improving the teacher training system, increasing investment in educational technology, and strengthening the sharing and utilization of information resources. Secondly, schools should establish an incentive mechanism to encourage teachers to carry out innovative exploration in information-based teaching, and commend and promote excellent practical cases. In addition, the establishment of an evaluation and feedback mechanism for information-based teaching ability will help to regularly review teachers' teaching level and ability, find problems in time and improve them, and form an effective positive incentive cycle. The guarantee of policies and systems not only helps to improve teachers' information-based teaching ability, but also promotes the improvement of the overall education level of schools.

## **4. The practice and prospect of improving college English teachers ' information-based teaching ability**

### **4.1 Practical experience and successful case analysis**

In some colleges and universities, the practical experience of improving information-based teaching ability has achieved initial results. For example, some colleges and universities have implemented ' information-based teaching demonstration courses ', which show the effective use of information-based teaching tools in the form of open courses. Teachers can learn from each other and learn from best practices through sharing and communication. These colleges and universities also actively promote the ' teachers ' information teaching ability certification system ', through the establishment of teachers ' information teaching ability standards and evaluation system, to ensure that every teacher can continuously improve the application level of information teaching. In addition, some schools also cooperate with technology companies to provide teachers with advanced educational and technical support, such as intelligent evaluation, data analysis and other functions, which effectively improves classroom interaction and teaching effect. Successful cases show that the in-depth implementation of information-based teaching can not only improve teachers ' teaching ability, but also stimulate students ' interest in learning and promote the improvement of education quality.<sup>[2]</sup>

### **4.2 Future development and improvement direction**

In the future, the improvement of college English teachers ' informatization teaching ability will face more opportunities and challenges. With the rapid development of artificial intelligence, big data, cloud computing and other technologies, the means and tools of information-based teaching will be more diversified. Teachers need to constantly update their knowledge structure, master emerging technologies, and carry out innovative applications in combination with specific teaching content. In addition, the in-depth application of information-based teaching will promote the reform of teaching mode. In the future, teachers will no longer be mere knowledge imparters, but also guides and supporters of students ' learning. In order to cope with these changes, colleges and universities should further improve the policy and resource support system, provide more information-based teaching and training opportunities for teachers, and encourage teachers to carry out bold innovation and practice in information-based teaching. Only under the dual promotion of technical support and institutional guarantee, can the improvement of college English teachers ' information-based teaching ability continue to develop, and finally achieve the overall improvement of education quality <sup>[3]</sup>.

## **5. Conclusion:**

Based on the analysis of the current situation of college English teachers ' information-based teaching ability, this paper finds that although teachers have made some progress in the application of information technology, there are still some problems such as uneven application level and insufficient innovation ability. Therefore, improving the information-based teaching ability of college English teachers is an important task of current education reform. Therefore, this paper puts forward specific promotion strategies, including strengthening the improvement of curriculum and training, promoting the application of educational technology tools and the support of policies and systems. In practice, some colleges and universities have achieved positive results through the implementation of information-based teaching demonstration courses and teachers ' ability certification system. Looking forward to the future, with the continuous development of information technology and the deep reform of education mode, the improvement of teachers ' information-based teaching ability will become an important part of education reform. Colleges and universities should continue to increase investment in information-based teaching and improve teachers ' ability to apply information technology to meet the challenges of future education and promote the overall improvement of education quality.

## **References :**

- [1] He Yuhong, Li Xin. An investigation and analysis of the current situation of information-based teaching ability of English teachers in Ningxia colleges and universities [ J ].English Square : Academic Research, 2023 ( 5 ) : 103-107.
- [2] Ning Xiaojing, Liu Ying. An Analysis of the Development of College English Teachers ' Teaching Ability in the Information Age - A Review of ' College English Teaching Research and Practice under the Background of Informatization ' [ J ].Science and Technology Management Research, 2023,43 ( 10 ) : I0009.
- [3] Li Dan. Micro-development strategy of college English teachers ' information-based teaching ability in private colleges [ J ].English Square : Academic Research, 2021 ( 23 ) : 77-79.

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## **About the author**

Liang Fali(1981-), Xinyang, Henan, Associate Professor, Research direction: English and translation teaching.