

# *The Research on the Path to Improve the Quality of Accounting Personnel Training Based on Information Technology*

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**Abstract:** With the rapid development of information technology, digital economy has become one of the important pillars of the global economy. In the background of digital economy, the accounting industry is also facing great changes and challenges. The traditional accounting work is transforming to the informationization and digitalization direction, and the demand for the compound accounting talents is getting higher and higher. Therefore, how to improve the quality of accounting personnel training based on information technology, has become an urgent problem to be solved. This paper mainly analyzes the application and influence of information technology in the training of accounting talents, and puts forward the strategy of improving the quality of accounting talents training based on information technology, the paper also discusses the practice and educational research on the improvement of accounting talents training quality based on information technology to promote the development of accounting teaching information and improve the teaching quality and effect.

## **1. The application of information technology in the training of accounting talents**

Information technology refers to modern information technology such as computer, Internet, big data, artificial intelligence, etc., these technologies are profoundly changing the way the accounting profession works and thinks. Information technology can be used in the training of accounting personnel in teaching, practice, evaluation and other aspects. [1]

### **1.1 Online education platforms**

Online education platforms enable distance learning in accounting courses. Students can access teaching videos, teaching materials, problem sets, etc. via the internet, at the same time can also communicate with teachers online, answer questions and so on.

### **1.2 Virtual simulation technology**

Virtual simulation technology can simulate the real accounting work scene, so that students can practice in a simulated environment, thus improving practical ability and awareness of accounting

work.

### **1.3 AI technologies**

AI technologies can be applied to areas such as automated auditing and financial analysis to enable students to understand and master the application of AI technologies and prepare them for future career development. [5]

### **1.4 Big data technology**

Big data technology can analyze huge amounts of financial data, helping students to better understand the meaning and laws of financial data, and improving the ability of data processing and analysis.

### **1.5 Cloud computing technology**

Cloud computing technology provides services such as storage, processing and analysis of accounting data to help students better manage and utilize accounting data. [4]

## **2. The impact of information technology on the training of accounting personnel**

### **2.1 The change of teaching methods**

The information technology has made great changes in teaching methods, traditional classroom teaching has not been able to meet the needs of students, online education, distance education and other ways are gradually widely used. These new teaching methods can arrange teaching time and place more flexibly, at the same time, they can also better meet the individual needs of students.

### **2.2 Change in practice way**

The way accounting practices are changed by information technology, which allows students to practice in a simulated environment by simulating real accounting work scenarios, so as to improve the practical ability and knowledge of accounting work. At the same time, information technology can also achieve cross-regional, cross-time practice, so that students more easily complete the practical tasks.

### **2.3 Changes in skill requirements**

As information technology advances, the skill requirements of the accounting profession for accounting talent are also gradually changing. In addition to the traditional accounting skills, accounting personnel also need to master certain computer skills, data analysis skills, in order to better face the challenges of the digital age.

### **2.4 Information security challenges**

With the development of information technology, the security of accounting data has become increasingly prominent. Accounting talents need to master certain information security knowledge to ensure the security and reliability of enterprise financial data.

## **2.5 The challenge of professional ethics**

In the Information Age, the professional ethics of accounting talents are also facing new challenges. Accountants need to pay more attention to integrity, confidentiality, fairness and other aspects of professional ethics, to ensure that the work in compliance with professional ethics.

## **2.6 Enhancing the integrated quality of students**

Through information technology can enhance the integrated quality of students, such as through online courses, virtual simulation technology and other means to improve students' communication and coordination, business negotiations and other capabilities, prepare for future career development.

In a word, the influence and challenge of information technology to the cultivation of accounting talents are obvious. In teaching, practice, skill requirements and so on, we need to make corresponding adjustments and changes to meet the needs of the information age. At the same time, we also need to pay attention to information security and professional ethics, to ensure the quality and reliability of accounting personnel training.

## **3. Strategy research on improving the quality of accounting talents training based on Information Technology**

### **3.1 Optimizing the course system**

Adding information technology-related courses in the accounting course system, for example, computer foundation, data analysis, cloud computing, and so on, enhance students' ability to apply information technology. At the same time, strengthen the integration of accounting courses and Information Technology courses, accounting information to form the characteristics of education. [3]

### **3.2 Strengthen practice teaching**

In teaching, teachers can simulate real accounting work scene by means of virtual simulation technology and practical operating software to improve the quality and effect of practical teaching. At the same time, teachers should strengthen the combination of practice teaching and information technology, such as the use of cloud computing technology to achieve remote practice, to improve the flexibility and convenience of practice teaching.[6]

### **3.3 Improve the level of teaching staff**

The cultivation of accounting talents based on information technology needs high-level teachers, so on the one hand, schools should strengthen the training of accounting teachers and improve the application ability and teaching level of information technology of teachers, on the other hand, schools can also introduce teachers with information technology background to enhance the information content of accounting teaching.

### **3.4 Promote industry-university-research cooperation**

The cultivation of accounting talents based on information technology should strengthen the cooperation among enterprises, universities and research institutions to promote the integration of production, teaching and research. Through this cooperation, the school and the enterprise can jointly research and develop new models and methods for the cultivation of accounting talents to improve the quality of accounting personnel training. At the same time, teachers can enhance the practicability

and practicability of accounting teaching through the cooperation of production, teaching and research and the introduction of actual cases and practical experience of enterprises. [2]

### **3.5 Strengthen information security education**

The cultivation of accounting talents based on information technology also needs to strengthen the information security education of accounting talents to improve the awareness and ability of information security and ensure the security and reliability of accounting data. At the same time, we should strengthen the construction of information security measures, such as establishing strict data security management system, strengthening network security protection, etc.

## **4. The practice research of improving the quality of accounting talents training based on information technology**

### **4.1 Using the online education platform to carry on the teaching**

Through establishing the online education platform to realize the online teaching of accounting course, students can learn at any time, any place, improve the efficiency of teaching and learning effect of students. At the same time, the interactive function of online education platform is used to strengthen the communication and interaction between students and teachers, and improve the learning experience and satisfaction of students.

### **4.2 Make use of the virtual simulation technology to carry on the practice operation**

Through the virtual simulation technology, the simulation real accounting work scene, lets the student carry on the practice operation in the simulated environment, has improved the quality and the effect of the practice teaching. At the same time, using the flexibility of virtual simulation technology, can carry out a variety of scenarios simulation, improve the diversity of practical teaching and practicability. [7]

### **4.3 The use of artificial intelligence technology for automated audit**

Through artificial intelligence technology to achieve automated audit, improve the efficiency and accuracy of the audit. At the same time, the use of artificial intelligence technology, can carry out intelligent audit analysis and risk assessment, improve the quality and level of audit.

### **4.4 The use of cloud computing technology for remote practice**

Through cloud computing technology to achieve remote practice, so that students at any time, any place to carry out practical operations, to improve the flexibility and convenience of practical teaching. At the same time, the sharing function of cloud computing technology can realize multi-person collaborative practice and improve the cooperation and efficiency of practice teaching

To sum up, the practical research on the improvement of accounting talents training quality based on information technology includes the use of online education platform for teaching, the use of virtual simulation technology for practical operation, the use of artificial intelligence technology for automated audit, the use of cloud computing technology for long-distance practice and other aspects. These practical studies can improve the quality and effect of accounting personnel training, and promote the development of accounting education information.

## **5. Educational research on improving the quality of accounting talents training based on information technology**

### **5.1 Reforming teaching methods by the use of flipped classrooms**

Flipping classroom is a kind of teaching method that combines online and offline teaching. It can enhance students' learning experience and participation and improve teaching quality by means of pre-class, in-class explanation and after-class feedback. In the accounting teaching, we can use the way of turning over the classroom to reform the teaching method and improve the teaching effect.

### **5.2 Use of multimedia technology for visual teaching**

Multimedia technology allows for the integration and presentation of information in many forms, such as text, pictures and video, and use of multimedia technology for visual teaching, enhance students' understanding and memory, improve the quality of teaching. In the accounting teaching, we can use the multimedia technology to carry on the visualization teaching and improve the teaching effect.

### **5.3 The use of online assessment for real-time pedagogical feedback**

Online assessment can collect students' learning and feedback in real time for pedagogical assessment and feedback to improve the quality of teaching. In accounting teaching, we can make use of online evaluation to give real-time teaching feedback and improve teaching effect.

### **5.4 Use of big data technology for personalized teaching**

Big Data Technology enables the processing and analysis of large amounts of data, provides personalized teaching services and improves the quality of teaching. In accounting teaching, we can make use of big data technology to carry out personalized teaching, provide targeted teaching services and improve teaching results.

To sum up, the educational research on the improvement of accounting talents training quality based on information technology includes the reform of teaching methods by using turn-over classroom, the visualization teaching by using multimedia technology, the real-time teaching feedback by using online assessment, and the individualized teaching by using big data technology. These educational researches can promote the informationization development of accounting teaching and improve the teaching quality and effect.

## **6. Conclusion**

To sum up, the improvement of accounting personnel training quality based on information technology is an important direction of current accounting education, it includes optimizing curriculum system, strengthening practical teaching, improving the level of teachers, promoting the cooperation of production, teaching and research, and strengthening information security education. These measures can improve the quality and effect of accounting personnel training, and promote the development of accounting education information. At the same time, the practice research and education research based on information technology have been widely concerned and discussed, which can promote the development of information-based accounting teaching and improve the quality and effect of teaching. In the future, with the development and progress of information technology, the quality and effect of accounting personnel training will be further improved.

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