Research on the Function Realization of Accounting Teaching Experiment Platform Based on Computer Information Technology

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Abstract: Computer science teaching under the computer information technology environment is a new requirement for the development of accounting personnel in today's society. The traditional public room or multimedia classroom is far from meeting the needs of teaching accounting, accounting teaching platform is a new teaching means. In this paper, the accounting training platform with accounting professional was planned operability based on the computer interaction and the feasibility.

Keyword: accounting, computer information technology, training platform

1 Introduction

With the popularization of computer application, accounting work has become more and more dependent on computer, computer application ability has become an important aspect of the overall quality of accounting students. Accounting teaching laboratory is in this objective context of the development of new professional teaching methods. Through the computer hardware and the realization of accounting teaching tools, the organic combination of software for students to provide an interactive learning environment. This way of teaching has changed the traditional educational ideas, methods and means, can greatly improve the efficiency and level of accounting professional education.

At present, many colleges and universities have built for the accounting professional teaching room or laboratory, but in the realization and application of its function there is a considerable misunderstanding and blind spots.
It is difficult to play its due role. For example, many of the so-called "accounting teaching laboratory" is essentially a public room, computer standalone isolated or simply set up a peer-to-peer network, there is no such as C/S structure, access, data distribution and other computer management concepts, Resulting in a high degree of freedom of operation of students, computer maintenance work complicated and inefficient; in the use of teaching functions. Did not effectively play the role of the network, which caused some multimedia teaching methods cannot be achieved, on the other hand cannot for some online version of financial software and teaching software to provide operating environment; in the use of software, no choice to install a large number of related software, the use of "large and complete" service. The purpose of teaching is not clear, the experimental project lacks level. Resulting in a substantial "goat type teaching". Therefore, how to effectively play the function of accounting teaching laboratory is an urgent problem to be solved, this paper will from the accounting teaching laboratory functional framework, characteristics and functional requirements of three aspects to illustrate the above point of view.

2 The Functional Framework of Accounting Teaching Experiment Platform

The accounting teaching experiment platform is a kind of network system which is based on the computer local area network and uses the special equipment to carry on the interconnection. Generally use the bus or star topology. Star structure is recommended. Star structure is characterized by: wiring more, the cost is relatively high. Its advantages are: high reliability, easy management and maintenance and expansion. Very suitable for a large number of workstations. High reliability requirements under the conditions of choice.

In the actual setting should consider the size of the site, the rational use of land area, at the same time. But also according to the teaching module and management module separation principle, design server, management workstations, teacher workstations and student workstations layout position. The current college, a professional teaching class has 30-40 students. In this paper, we set up a small accounting teaching experiment platform composed of one server, one teacher workstation, two management workstations and 40 student workstations (composed of A and B groups).

This layout enables the separation of the experimental platform teaching and management function modules. On the one hand, the entire network are in the server as the axis of the management framework to run, all the hardware and software must be granted through the server a certain authority. On the other hand, by granting teachers workstations relatively more functional authority, and the combination of some multimedia interactive teaching system to make
it enough to control all the students in the classroom workstations. Such as screen radio, real-time monitoring, network sessions and so on teaching aids can be done on the teacher's workstation through the corresponding operation. Experimental platform management and teaching function module separation, has great practical value. First, the network management from the separation of teaching, by the full-time staff to implement, is conducive to network maintenance consistency, stability, efficiency, creativity. Can promote network management to professional development. Second, the teacher, the change in the past both skilled operation of the network under the operation of various types of software, but also with the maintenance and repair of the situation. In this scenario, as long as the required functional requirements in advance to the network management personnel. By the network administrator on demand to grant the appropriate authority or activate the corresponding function can be. Reduce the burden of teachers. Third. As a result of the management function to run the background, in the teaching process, students and teachers are directly with the accounting network software or other accounting teaching software contact, to some extent, "shield" out of the pure computer operation technology, and the real implementation of the experiment Platform of accounting professional characteristics of education. Fourth, the network applications and their databases are located on the server side, effectively guarantee such as student homework, test scores and other data security.

3 The Functional Characteristics of Accounting Teaching Experiment
The traditional computer environment of accounting teaching methods are mainly multimedia classrooms and public rooms. Accounting teaching laboratory as a new accounting professional teaching methods, compared with the former, should have the following features:
Accounting teaching laboratory as a multi-functional interactive teaching environment. It provides a friendly computer environment for each student, enabling students to learn and think in the process of relatively independent operations, while the operation is carried out under the guidance of the teacher.

It is the most basic characteristic of the accounting teaching laboratory to combine the student autonomy of the common public room and the teacher's dominance of the multimedia classroom. Specifically, the teacher's dominance is mainly reflected in the teacher can through the computer networking function, to achieve multimedia teaching. For example, the use of teacher workstations to play CD-ROM disc teaching program, there are certain computer courseware design ability of the teacher can also make their own PPT, these have a certain sound effects and vivid video animation, flexible and convenient means of interaction with the courseware, Fully embodies the charm of modern science and technology in teaching, the students are more
The autonomy of the students is mainly reflected in the students can be under the guidance of teachers, while listening to teaching hands-on teaching software, and in doubt, the timely feedback to the teacher. Teacher workstations and student workstations can share files and transfer data via network sharing. Students can always go to the server to prepare the teacher pre-prepared questions practice; also can always receive the teacher to send the lesson plans, examples, homework, exam questions and other documents. Teachers comment on the exercises, you can call any student work on the workstation as a kind of down, through the big screen for all students to comment; can also through the network session, individual students to give a separate guidance and correction.

4 Functional Requirements of Accounting Teaching Experiment Platform

The function of accounting teaching is achieved through the corresponding hardware and software. Reasonable hardware and software environment, can better meet the teaching and development requirements, and can save money, make full use of resources. And so. How to choose the hardware and software according to the actual needs of accounting teaching, through hardware and software to achieve the optimal combination to achieve cost-effective to maximize, but also a very practical significance of the problem.

Currently. The computer-aided teaching system with multimedia technology as the core is flourishing. A wide variety of multimedia teaching equipment, powerful. In the actual settings, we should pay attention to a wide range of inspection and understanding. The network system of accounting teaching experiment platform adopts 100M high-speed Ethernet switch structure, which not only solves the problem of communication speed, but also takes into account the performance requirements of future network development. Making the expansion of the network is very easy, with a certain economic value. Most of the current accounting software on the hardware environment requires a higher. Coupled with the actual needs of multimedia network, computer CPU, memory and hard drive are considered the focus. In order to enhance security. Student workstations do not install the drive, only to provide floppy drive can be; at the same time to install hard disk protection chip. To prevent the workstation system is destroyed, in the hard disk protection mode, even if the operating system on the disk formatting operation, you can restore the restore. Both to meet some of the hands-on ability of students free operation, and will not undermine the network teaching.

5 Conclusion

In the foreseeable future. The application of modern teaching means of accounting teaching laboratory conforms to the new demand of accounting professionals in the times and society, which is the inevitable trend of the development of accounting professional teaching field. Today's science and
technology, as fast as an educator. Should continue to think and explore. How to use high-tech electronic products and network multimedia technology, so that this modern teaching methods can more effectively reflect its advantages and characteristics. To further improve its teaching and research functions. For professional education services. For our country's economic construction to cultivate more outstanding accounting professionals.

References