The Application of Internet in the Management and Maintenance of Public Computer Room in Colleges and Universities

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Abstract: Nowadays, people are in the Internet era. In the era of rapid development of computer technology, the Internet has spread to all aspects of life. People have reached a mature stage of information sharing and application. The frequency of using public computers in colleges and universities in our country is very high. In order to meet the needs of students in learning, colleges and universities must ensure the performance of computers in public computer rooms. In order to effectively maintain the performance of computers, it is crucial to strengthen the management and maintenance of public computer rooms. The management and maintenance of public computer rooms in colleges and universities can directly affect the frequency that students use of the Internet. This paper briefly describes the necessity of management and maintenance of public computer rooms in colleges and universities, analyses the problems existing in the management and maintenance of public computer rooms in colleges and universities in China, and explores how to effectively and scientifically manage and maintain public computer rooms in colleges and universities.

1. Introduction

At present, computer laboratories in Colleges and universities in China are open to all students. With the continuous development of science and technology, there are more and more computers in computer rooms. These computers are divided into different models and configurations. There are many different versions of application software in these different computers. Although we have hired some people with professional knowledge to manage and maintain the public computer room in Colleges and universities. These problems still cause great difficulties for the management and maintenance of public computer rooms in Colleges and universities. With the deepening of education reform in China, the public computer room in Colleges and universities has become an important place for students to study and experiment independently. In order to meet students' learning needs, universities should maintain the operation of public computer rooms and create a good computer environment for teachers and students. This puts forward stricter requirements for the management and maintenance of public computer rooms.

2. Necessity of Management and Maintenance of Public Computer Room in Colleges and Universities

After entering the 21st century, science and technology have developed unprecedentedly. At present, the ability to master information technology and acquire information has been regarded as a basic ability of talents. In China's colleges and universities, for students, the public computer room is the main place for students to carry out computer teaching, but also the main place for students to study independently and make practical use of the computer knowledge they have learned. For colleges and universities, the computer room is the main long-term task to carry out various professional examinations, such as Putonghua Level Examination, Computer Level Examination and so on. Therefore, the management and maintenance of university public computer room has its great significance and role. Its advantages are as follows:

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create a good atmosphere for students to go on the computer, so that students can practice the knowledge they have learned in a sTable state of going on the computer, which is conducive to students' learning.

Strengthen the management and maintenance of public computer rooms in Colleges and universities, which can effectively guarantee the security of campus network and improve the speed of campus network access. The computer room in Colleges and universities is the main place for the management of computers in Colleges and universities. Only by maintaining the security of the public computer room in Colleges and universities, can the campus network of colleges and universities operate and develop healthily and steadily [2].

3. Problems Existing in the Management and Maintenance of Public Computer Room in Colleges and Universities in China

3.1 The configuration of computers is not good enough

At present, there is a widespread shortsightedness in the construction of public computer rooms in Colleges and universities in our country. When purchasing computer equipment, only the use of computer functions is positioned on the students' search for information and the application of basic computer functions. It has not kept pace with the development of the times, combined with the current high-speed development of information technology and the continuous progress of science and technology. Under the environment, more and more computer aided applications have appeared. At present, the depth of computer use in society has far exceeded the relevant positioning of computers allocated by colleges and universities, resulting in students unable to adapt to the employment environment of society, and the phenomenon of social disconnection. [3] For example, some professional students are learning how to make videos, but the computer in the public computer room of colleges and universities is too low to download the corresponding software to make videos, which makes it impossible for students to timely review and practice the knowledge they have learned. At present, a large number of examinations are carried out on computers, which is a huge challenge for the management and maintenance of computer rooms in Colleges and universities.

3.2 The frequency of Hardware updates of computers is low

Because of the low application orientation of computers in the allocation of public computer rooms in Colleges and universities in our country, the investment in computer rooms in Colleges and universities is relatively not short, which results in the serious damage of many computer hardware facilities in computer rooms in Colleges and universities, and the relatively large number of computers in public computer rooms in Colleges and universities, which is the management and maintenance of computer rooms. Higher requirements are put forward [4]. For example: some computers will appear network card damage phenomenon, leading to the Internet always appears when the phenomenon of crash, serious will also appear unable to start the situation. In addition, some old-fashioned computers with different styles and configurations will also run slowly and fail to start the computer. In view of various problems of computer system damage in public computer rooms of colleges and universities, the following reasons can be summarized: 1. Insufficient investment in public computer rooms in Colleges and universities. 2. The speed of updating computer facilities is too slow. 3. The staff who manage and maintain the public computer room in Colleges and universities do not pay enough attention to their own work, which leads to the inadequate management and maintenance of the public computer room in Colleges and universities. This may be because the managers of public computer rooms in Colleges and universities lack the corresponding professional and moral qualities. They cannot or do not intentionally solve the problems in public computer rooms in Colleges and universities [5]. It may also be that colleges and universities lack the corresponding complete management system in the process of management and maintenance of public computer rooms. Complete and complete management system makes the management and maintenance of public computer room the basis. At present, there is a general lack

of corresponding management system problems in the management and maintenance of public computer room in Colleges and universities in China, such as personnel management regulations that cannot restrict the use of computers, etc.

3.3 Uneven distribution of computer use in public computer rooms

Although there is a general phenomenon of insufficient investment in public computer rooms in Colleges and universities in our country, the number of computers in Colleges and universities is still quite large, after all, the number of teachers and students in Colleges and universities is large. However, there is still a common phenomenon in the large number of computers in Colleges and universities in China, that is, the distribution of computer use is very uneven. For example, after the arrival of new equipment, people began to use new equipment, leaving the old equipment idle. In some universities, the public computer room lacks the corresponding professional management personnel, teachers and students in the process of using the computer crash and other problems cannot be solved in time, resulting in the relevant computer has been abandoned in the computer room [6].

3.4 The professional quality of the personnel who manage and maintain the public computer room is not enough.

In the process of management and maintenance of public computer room in Colleges and universities, management and maintenance of public computer room security is one of the most important tasks. The security work of public computer room includes four aspects: power security, network security, facility security and fire safety. Once there are problems in the work of security, the public computer room in Colleges and universities cannot run normally. Therefore, in the process of management and maintenance of the public computer room, colleges and universities should always pay attention to the safety of the public computer room. This work not only consumes time extremely, but also needs considerable energy to do. Therefore, it is necessary to manage and maintain the public computer room in Colleges and universities. The staff of computer room put forward higher professional quality requirements.

In the public computer room of colleges and universities, people have different methods and purposes of using computers, which leads to a large number of work tasks for each computer. The computer staff in the public computer room of colleges and universities are different. There are students, teachers and staff in the outside society. They have different understanding of computers and use them. In different ways, it is easy to cause computer hardware damage. In the operation of public computer room in Colleges and universities, there are many operational requirements. Not only for the operation of computers, but also for the operation of related software on computers, the software occupies the capacity of hard disk very much, but also consumes the related resources on computers. This leads to the management and maintenance of public computer room in Colleges and universities with quite a lot of work tasks, and the management of public computer in some colleges and universities. Because of the lack of high professional quality, the personnel only made a record of some damaged computers and did not actually solve the problem [7]. At present, there are some advanced software tools on the market, which can effectively help university public computer managers to carry out related work. Therefore, universities should introduce advanced equipment in time to improve the efficiency of university public computer management and maintenance personnel.

4. Specific Ways of Scientific Management and Maintenance of Public Computer Room in Colleges and Universities

4.1 Strengthen the management of public computer room in universities and colleges in peacetime

In order to manage and maintain the public computer room, colleges and universities should first formulate a relevant management system, such as: personnel entering the public computer room of

colleges and universities for boarding computers, no drinks, food, chewing gum, no littering and so on. Continuously strengthen publicity, improve students' awareness of computer care, cannot be at will to soften the computer host, display, host box, cannot arbitrarily unplug plugs. Usually, the public computer room in Colleges and universities should be inspected by a professional computer room manager at any time, and punishment and education should be given to those who violate the relevant system. In order to improve students' care for public computer facilities in Colleges and universities, colleges and universities can organize class meetings or use some knowledge contests to continuously improve students' care for public equipment. Consciousness and ability [8].

4.2 Increasing users' awareness of electricity safety

At present, there are many lines in the public computer room of colleges and universities in our country, and most of them are dark lines. A little power consumption problem in the public computer room of colleges and universities will lead to problems in the equipment of the whole computer room, and even serious fires. Therefore, the safety of power consumption in the public computer room of colleges and universities should be paid special attention. The administrators of the public computer room of colleges and universities are running out of power. The computer should cut off all power supply in time. If abnormal situation is found, it should be solved and reacted in time. For the users of public computers in Colleges and universities, they should be strictly prohibited from contacting the power supply, wiring disorderly and carrying electrical equipment into the computer room. The relevant administrators of public computer rooms in Colleges and universities should always remind users to pay attention to the safety of electricity use. Schools should also constantly cultivate students' awareness of electricity safety in peacetime.

4.3 Strengthening the safety work of public computer room in colleges and universities

Although many colleges and universities in our country have insufficient funds to invest in public computer rooms, some security facilities are still very complete. In order to ensure the safety of students' personal and property, the relevant university public computer administrators should always do a good job in security issues related to fire prevention and theft prevention. In peacetime management work, the relevant managers should often check the line problems in the public computer room, the managers should strictly prohibit users from smoking in the computer room, cut off all the power supply in time before work, and close the doors and windows. At the same time, colleges and universities should install monitors in the public computer room, monitor the public computer room of colleges and universities in an all-round way, and constantly implement the safety work of the relevant public computer room [9].

4.4 We should strengthen the operation stability of public computer rooms in colleges and universities.

In order to provide a sTable computer environment for students, colleges and universities can operate in the following ways: 1. Managers can install antivirus software on the computer in time. For some unsafe websites, this antivirus software can effectively improve the stability of the computer system. 2. Set up two functions in the computer: system restoration and data recovery. Some computers have program damage, which will lead to data loss in the computer. With two functions, this kind of problem can be easily solved. 3. Set up the backup and recovery function of the matching system in the computer. Due to the large number of computers in the public computer room of colleges and universities, the corresponding updating of a single computer will waste a lot of time, which will affect the normal teaching progress, so using this function can easily use network replication for corresponding updates.

5. Conclusion

The public computer room in Colleges and universities is an important place for students to study. In order to provide a sTable and good learning environment for students. On the basis of understanding the problems existing in the current management work, the management and

maintenance personnel of public computer rooms in Colleges and universities should put forward targeted solutions. Only in this way can the public computer room in Colleges and universities serve students more effectively.

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