

On the Management and Application of Computer Room in Colleges and Universities

Xuming Peng

Hunan City University, Yiyang, 413000, China

Abstract: With the rapid development of network technology, the management of computer room in Colleges and universities should meet the needs of the times, with higher and higher requirements. In order to keep pace with the times and promote the management of computer room in Colleges and universities to meet the needs of teaching, the management and Application Research of computer room in Colleges and universities is put forward. The results show that the research is of great significance.

Keywords: University; Computer room; Management

1. Introduction

In today's society, with the continuous development and improvement of information technology, the computer room is an important part of the computer training task. Now some examinations have been paperless, thus improving the use frequency of computer room. Therefore, it is necessary to formulate the computer room management strategy scientifically and reasonably. Under the background of big data era, the computer room of Chinese colleges and universities is the equipment foundation for training high-end computer and Internet talents. In the normal operation of the computer room of colleges and universities, it can play a crucial role in information transmission and transmission for the cultivation of college students [1-3]. Chinese colleges and universities are attached great importance to by the education department. In terms of the use of public computer infrastructure and hardware facilities, the relevant departments have made a lot of capital investment. In order to make students enjoy the convenience of big data in the process of practice operation, the current reform of computer room construction and management mode in Chinese colleges and universities draws lessons from the advanced concepts of China and the west, and constantly improves the computer machines in Colleges and universities Efficiency of housing management.

Although the importance of computer technology knowledge has become higher and higher at present, in this development process, many colleges and universities do not really realize the importance of computer technology education, so they do not pay much attention to the management and maintenance of the corresponding computer room, and it is easy to have such problems in the computer room, As the computer in the network room is a

high-tech component equipment, its internal equipment is very fragile, there are many aspects to be noted in the specific management and maintenance process [4-5]. Therefore, the management emphasis on the entire computer room needs to be comprehensively improved, But in the process of computer room management in many colleges and universities, there is no recognition of this problem. Many students will not really learn computer knowledge because of the computer equipment is too old or affected by the environment, so that the computer can not be used normally. In this process will be far from being able to achieve, the national requirements of students should master the level of computer knowledge, need to comprehensively improve the quality and level of computer room construction and management of the whole university according to the specific situation.

The computer room of the university is mainly to enable students to better accept computer education in class, and it is also the most intensive area of the whole computer technology learning. Therefore, the management and maintenance of the computer room of the whole university is the top priority of the whole work. If the quality and level of management and maintenance cannot be improved, then the impact on the whole computer room It will make a big impact on students' learning of computer knowledge. Based on this, this paper discusses the construction and management of computer room.

2. Deficiencies in the Current Computer Room Management

2.1. Complicated operation

In the management of computer room, it should be combined with the actual situation of students, while the number of computers in some schools is limited, and

there are more students in some majors, and more students use computer room every day. In addition, the actual needs of each student are different, which causes certain problems to the management of computer room managers. With the increasing use of computer rooms, computers can not be prevented from being damaged to some extent. Due to the large number of computer users, computer managers can not find out the truth in time. Therefore, the computer room managers should work out a scientific and reasonable management system, and be alert to the use of computers by teachers and students, so as to improve the computer security.

2.2. The update speed of computer is not combined with the content of teaching materials

Most of the computer rooms in some schools are used by students. In the process of software and hardware implementation of computers, we should combine the actual situation and professional needs of students, formulate scientific and reasonable hardware and software according to the teaching materials of each major, and meet the actual needs of students. However, in the process of implementation of computer software and hardware, we will need a lot of capital investment, no matter what Whether it is the installation and monitoring of the computer before or the maintenance in the later period, the school should give strong support and invest funds. In today's society, with the development and progress of education, the teaching content of some schools is constantly updated at this stage, and the updating speed of computers does not keep up with the updating content of teaching materials.

2.3. Problems of virus Trojan need to be improved

In today's society, in order to improve the teaching level, some schools connect the network in the computer room, which is convenient for teachers and students to consult materials in their study. Although the network can help teachers and students to provide materials, when teachers and students use the network to download, they can't avoid the occurrence of virus Trojans on the computer, which will have a certain impact on the use of the computer. If the computer has virus Trojans It will destroy the original data information and storage data, and finally affect the use of computer room in the next class.

3. Scientific Exploration of Computer Room Management and Application in Colleges and Universities

3.1. Optimize the software and hardware installation process of computer room in Colleges and Universities

With the increasing investment of the school, the long-term use and upgrade needs should be taken into account

in every hardware update. In order to optimize the software requirements of the computer room in different stages, we should consider the specific time conditions of the use and installation of the computer software. In the process of using the network to transmit the system at the same time, we should use the hard disk to write and back up the system in real time, which will not lose the useful data, but also update and match reasonably according to different software versions in the computer laboratory Match. To optimize the software and hardware installation process of the computer room in Colleges and universities, we can take scientific and reasonable optimization and grasp the installation process, and give out the authority properly, while for some important software update process, it should be mastered by the management personnel of the computer room.

3.2. Optimize the management platform of university computer room

With the rapid popularization of cloud computing and big data development trend, the awareness of platform management has been popularized. The management needs of university computer courses are closely connected with the basic management system of higher education, which is a necessary and necessary approach to meet the development trend. Using a more efficient computer room management platform in Colleges and universities can make the use and update of the software of the computer teachers in Colleges and universities be reminded automatically. At the same time, teachers can lecture on the platform and carry out centralized computer maintenance synchronously. At the end of the platform, you can see each different student terminal and what specific problems appear in the process of using the computer. The optimization of the platform is helpful to the rapid feedback of the computer management teachers, and it can also take the maintenance and grasp of the computer room to a new level. In the process of straightening out many information concepts and information flows, teachers can not only manage cloud shared resources well, but also enjoy the benefits of resource sharing to themselves, unless they develop and grow together with students. The teacher carries out teaching practice according to the excellent management platform management method established by himself. The students can also obtain effective education resources and learn some basic knowledge of computer maintenance and use at the same time.



Figure 1. Schematic diagram of computer room in University

3.3. Planned installation and use of cloud application browser

To solve the problem of high cost and low security of computer room management in Colleges and universities can effectively improve the management efficiency of computer room. At present, with the help of the browser of cloud application program, automatic update and maintenance can be realized in the use process of most university computer rooms. In order to better solve the problem that the software and hardware in the traditional computer room management mode in Colleges and universities need to be updated at the same time, but there should be lack of skills, computer teachers should constantly enhance the availability of the cloud application browser, save management costs, and improve management efficiency. With the help of the rapid improvement of the education team and teachers, the cloud application browsers such as computer rooms in Colleges and universities can be better utilized. Because of the constant innovation of the current new data use strategy due to cloud computing, matching reasonable interfaces accord-

ing to different needs can help to manage the computer rooms of colleges and universities, and manage the unified allocation of resources. Teachers only need to use the entrance of the cloud application browser, and adopt integrated and targeted service management for computer classroom management, then they can match reasonable resource ports according to different needs, and establish the cloud shared teaching resource library.

4. Concluding Remarks

To sum up, although there are still many deficiencies in the construction and management of computer room in Colleges and universities, with the attention of colleges and universities and the development of computer technology, the management of computer room can also be improved constantly, so as to better ensure that students have a good learning environment in computer technology learning.

References

- [1] Yin Q., Xie X.H. Maintenance and exploration of computer room management in Colleges and universities. *Nanfang Agricultural Machinery*. 2018, 49(19), 145
- [2] Li Z.H. Research on the later maintenance and management of University cloud room. *Information and Computer (Theoretical Edition)*. 2017, (23), 3-5
- [3] Zhang X.F., Zheng J., Jing Y.H. Analysis of management and maintenance of computer rooms in colleges and universities. *Computer Knowledge and Technology*. 2017, 13(32), 234-235, 248
- [4] Bian W.Y. The application of internet in the management and maintenance of university public computer rooms. *Information and Computer (Theoretical Edition)*. 2019, (03), 214-215
- [5] Wang Y.D. Discussion on management and maintenance strategy of computer room in colleges and universities. *Computer Programming Skills and Maintenance*. 2015, (14), 114-115.