Evolution and Utilization of School Sports Computerized Administration System

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Abstract. Computer network is used more and more frequently, but not much in the use of school physical education teaching, for the evolution of school physical education, for the use of computer network administration system in physical education, this paper analyzes and studies the physical education and computer network management, etc.

Keywords: School Sports, the Computer, Network Technology, Administration System, Evolution and Utilization

1. Introduction
Due to economic and cultural level of the developing of computer network administration system in every industry got rapid progress, especially in school education system more vigorously promoted, at present, our country most schools basically realized the sports evolution and Utilization of the Computerized administration system, the low level of yet, there is an difference of software compatibility and low efficiency of the resource sharing problem, need to be improved. Make the Computerized administration system serve the school physical education better is the subject and direction of our educational scholars' research and effort.

2. The theory of computer administration system of school physical education
The school Sports Computerized administration system (Figure 1) is a complex network-based computer administration system. "Campus network center" to complete the control function of local area network and "campus network center" connection can be convenient and accurate input and output a large number of data, greatly reduce the consumption of manpower and material resources, in a true sense to achieve many functions of "office automation" [1-3]. For example: connecting the school library and the school reading room for easy access to relevant books and materials; By connecting with the office of the leader in charge, the leader can check the physical education teaching and physical education work of the school, and accept relevant instructions, tasks and supervision. The connection of teaching administration department is helpful for the timely communication of the teaching process in the relevant issues and so on.

Connect "Internet" to complete the remote network information transmission, control function to make "sports science and technology" webpage, through "campus network center" and "Internet", the transmission and collection of unlimited information can be realized in the unlimited network. Can
understand science and technology trends, exchange scientific research results, complete distance education, release relevant information, and so on. This function is the hub of direct communication between the system and the outside world [4-7].

The "comprehensive system" is the core of the school physical education Computerized administration system, as shown in Figure 1: The "comprehensive system" is the core part of the school physical education Computerized administration system. It is mainly composed of 8 modules (subsystems), which are combined with peripherals such as computers installed in various sports places and administrative departments, IC card readers, printers, etc., to form a relatively complete computer control system. Through the operation and use of the system, the comprehensive administration of school physical education teaching and physical education work can be basically completed. The eight modules (subsystems) are organically integrated, mainly including sports teaching, sports competition, physical fitness standards, extracurricular sports activities, sports team competition training, indoor and outdoor field management, faculty and staff file management, sports professional document management, Internet connection and other functions.

Figure 1. Schematic diagram of the system.
3. How to manage using the computerized administration system to realize the network-based school physical education

Computerized administration system for the research and evolution of the key step is to put the computer network technology and the combination of school physical education and school education work, the more of the school sports teaching system and school sports work standardization, systematization, and scientific in the school sports teaching computer network integrated administration system basically has the following several parts:(1) School Physical Education Teaching administration system The school physical education administration system is mainly used in the physical education department for the release of teaching related learning documents, the release of various administration systems, the evolution of teaching work plans, the administration and input of students' learning courses, physical education evaluation and the administration and input of students' achievements.(2) The students physical health, health standard the administration system of the system is mainly used to analyze the student physical health standard, to evaluate student body function, through the statistical analysis, for storage, thus more conducive to the students in physical education teaching. Improve the students' physical health level, develop a good habit of exercise.

![Flow chart](image)

Figure 2. Flow chart.

(3) School Sports Competition Administration System. This system is mainly used for the information release of various school sports competitions, the administration and inquiry of students' selected sports items, the arrangement and sorting of order books, the arrangement and printing of records, track and field events and other performance competition forms.(4) School sports extracurricular Activity administration system This program is for students' extra-curricular activities, such as the opening of stadiums and gymnasiuims, paid use administration of sports equipment, rules and regulations of use and management, etc.(5) The school staff file administration system, which is mainly used in the file administration of the school's main leaders; Administration of teachers' personal files; Archives administration of the responsible person of the school; Document administration of school teaching staff; Teachers' teaching evaluation of physical education; As well as the teacher each stage teaching comprehensive evaluation and so on.(6) Administration of school
sports venues and equipment systems. This system mainly records the facilities, equipment procurement, storage and entry records, wear and tear, equipment maintenance and management, etc. (7) Training Administration System of School Sports Athletes This kind of computer integrated network administration system is mainly used in school athletes' selection management, athletes' training management, athletes' in-school and off-campus competition management, athletes' training and competition clothing management, etc. (8) Physical education document administration system This computer network integrated administration system is mainly used in sports document management; School professional library materials management; The school teaching and its related document administration as well as related sports scientific research guidance administration system and so on.

4. Utilization results and analysis of the school computerized administration system
One is the use of multimedia network teaching, the teachers from the original stand to speak in class content into the tool of students cognitive, transform the traditional teachers' teaching process of sports teaching for the students to find problems, the research question to obtain the unknown sports knowledge, encourage students' sports ability and self-care ability gradually improve. When the physical education teacher is teaching physical education theoretical knowledge, the teacher only needs to use the set web page in the multimedia classroom to carry on the authority type teaching through the campus network, the physical education teacher should update the theoretical content in time when setting up the teaching courseware, and should always pay attention to the reform direction of physical education. It should be noted that courseware is only an auxiliary tool for teachers to conduct teaching. Teachers should not be limited to courseware in the teaching process, but use courseware to achieve the purpose of teaching. Second, teachers in physical education teaching, online course selection system, by using programming software developed sports is the school sports teaching, the scientific administration of standardization, in the process of compiling course setting, to be carried out in accordance with the students' interest in learning, to in the limited education teaching resources, as far as possible to be carried out in accordance with the students' interest in sports teaching. Third, the use of computer network system to help students master the relevant aspects of the technical essentials of action. The main task of school physical education teaching is to cultivate students to master certain motor skills, it always runs through the whole process of sports teaching, for students to complete a new sport skills must watch technology demonstration to sense the formation process of technical movement, teaching the teacher does not have to demonstrate in place, you can consult relevant information through the computer network system, using multimedia technology can be the standard action complete clearly show students, convenient for students to form in the brain, clearly impressed by the continuity of impression, behavioral essentials to master technology, physical education teaching effect.

5. The core technology and implementation plan of school physical education computer integrated information administration system
School physical education is the core of computer network administration system is a comprehensive information administration system, mainly to achieve the main function of the system, on the basis of administration system of extracurricular sports activities, can use the magnetic card, read card system network operation management, collection of information collected and put the input to the computer integrated network administration system, used to implement a large capacity of integrated collection of data over a long distance information processing functions. Computer network is the core of the comprehensive information administration system technology will school sports teaching content and the school sports work of information are collected for data analysis, combination of integrated computer technology, such as: database technology, computer network technology, visual programming technology, magnetic card administration technology and the combination of the campus local area network and Internet to release of internal and external information about technology.
6. Environmental utilization and benefit of integrated administration system of school physical education

School sports environment needed for the Computerized administration system evolution and Utilization of the computer administration system suitable for all levels of schools, its fast and convenient way of administration includes all aspects of the school sports education, greatly improved the school education teaching work, promote the enthusiasm of the students in class and school teachers teaching creativity and administration systematic effectively alleviate the teachers' working pressure, improve the teaching level and quality of management, the school education teaching reform, provides the advantageous resources, for the industrialization of sports education market, diversified administration creativity.

| benefits of school physical education computer administration system |
|---------------------------------------------------------------|
| improve school education and teaching work                    |
| promote the enthusiasm of students in class                   |
| improve the level and quality of teaching management          |
| diversified administration innovation                          |

7. Conclusion

The rapid evolution of computer network information technology has provided great convenience to all walks of life. How to make use of computer technology and network administration system, play the function of information sharing and easy operation, so that the school physical education to achieve office automation, better promote the evolution of students' physical education learning.

References

[1] Liu Bin, ZHANG Bing. Evolution and Utilization of College Sports Computerized administration system [J]. Electronic Technology and Software Engineering, 2016(23):75.
[2] Tian Xuhong, Guo Yubin. Database Technology and Utilization Course [M]. People's Posts and Telecommunications Press ; 201509.
[3] Qiu Bin, Ding Wenfeng, Ma Qiang. Evolution and Utilization Analysis of Computerized administration system for School Physical Education [J]. New Technology and New Technology, 2015(08):55-58.
[4] Li Lianzhi, Ma Qiang. Evolution and Utilization of Computerized administration system for School Physical Education based on Network [J]. Electronic Test, 2014(24):44-46.
[5] Ma Zhonggui, Ning Shurong, Zeng Guangping, Yao Lin. Principles and Utilization of Database [M]. People's Posts and Telecommunications Press ; 201309.
[6] Ma Yongtong. Evolution and Utilization of Computerized administration system for School Physical Education [J]. Electronic technology, 2012, 39(04):41+37.
[7] Ma zhiqiang, xu Lin. Evolution and Utilization of Computerized administration system for School Physical Education based on Network [J]. Journal of Physical Education for Adults, 2002(04):38-39+59.