Design of Physical Education Teaching Quality Evaluation System Based on BS Architecture

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Abstract. In order to solve the reliability of the traditional physical education quality evaluation system, this paper designs a physical education quality evaluation system based on the BS architecture. First, in the hardware aspect of the system, there will be a design about data sets and analog-to-digital converters; then That is, while carrying out the system design, the instruction and contribution of the quality evaluation of physical education are determined. The purpose of evaluating physical education teaching is to make the teaching plan more clear and clear, so that learners can adapt and learn more quickly. It also plays a great role in the teaching process of the physical education teaching quality evaluation system. The BS architecture is a more new application structure. The purpose of the system design is to enable the physical education system to be based on the BS architecture, so that better students can be better educated, and physical education can be improved. The system design of this paper is mainly carried out through the BS structure, and the functions brought by the BS structure are used to further improve the physical education teaching. Use data to analyze the BS structure, and at the same time integrate the BS structure into physical education teaching, and use mathematical statistics to analyze the learning effect of the evaluation system and participate in the teaching objectives and other dimensions, which have a great impact on the quality evaluation of physical education. Influences. The result of the research on the design of the physical education quality evaluation system based on the BS structure is that to some extent, it can make physical education better, and can attract more students to participate in physical education and learn more from it. The same can be achieved with the practicality and creativity of the BS framework for physical education. Allow more students to change the concept of physical education teaching and carry out physical education independently.

Keywords: BS architecture · physical education · quality evaluation system · system design

1 Introduction

Evaluating the quality of physical education can promote the progress and development of physical education, and is an important goal of improving physical education. Based on the BS architecture, all functions can be effectively placed on the architecture structure, so that more time can be used to make more reserve capabilities [1]. In the

traditional physical education, in order to realize the teaching method, many methods will be found. The traditional teaching composed of teachers is the teaching content that can be accepted through the knowledge of physical education [2]. The traditional unique physical education teacher's single explanation is not as good as with the advanced technology of modern society, its teaching results will affect the physical education itself, so that students cannot receive the teaching results completely [3].

This article is the design of the physical education quality evaluation system based on the BS framework, which is mainly composed of data acquisition boards and analog-to-digital converters. These two hardware designs can be used to realize physical education based on the BS architecture, which is used to realize the design of the teaching platform. Based on the BS architecture, it is mainly composed of three layers: the client layer, the application layer, and the data layer. The application database is connected and operated to realize the resource management of physical education teaching, in order to realize the management of physical education courses and course selection management and the query of results and so on. Implementing these methods can help improve students' autonomy, enhance their love and participation in sports, and expand their knowledge points. The system will automatically display normal, all functions have their own development, have obtained the best state and meet the design requirements [4].

2   Hardware Design of Physical Education Quality Evaluation System Based on BS Architecture

2.1   Data Acquisition Card

The data acquisition card is very influential in the BS architecture. It can improve the quality of physical education teaching to an excellent level, can be responsible for it, and has related acquisition functions [5]. In the establishment of the system, the data acquisition card has the reasons of high performance and high data acquisition efficiency, which can be used to collect physical education content, teaching methods and goals, and then give a certain plan to students' satisfaction.

2.2   Analog to Digital Converter

When using the acquisition board to work, there will be a lot of data in the corresponding work operation [6]. Therefore, a high-performance and high-carrying digital converter is required for conversion, which has a significant impact. Taking full advantage of the high standard of analog data converters is the high precision that can be processed from a low level to a high level. Using the analog-to-digital converter of the AGVD-SDNV120 model, of course, there will still be a semi-flash structure as an important functional system. At the same time, through the conversion of the state structure of the teaching, the conversion rate of the state structure is super fast, and it can maintain the power during the conversion process [7]. The AGVD-SDNV120 type converter uses 220V multi-power supply as the main power, and the resolution is also very high speed. In the actual situation of teaching, its conversion speed is also super fast. The corresponding function of the arrangement of the converter is based on system to develop [8]. As shown in Fig. 1.
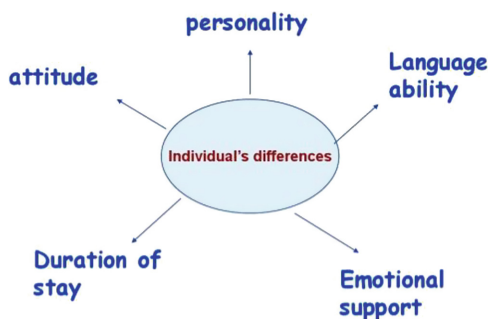
Fig. 1. Converter function diagram

3   Design of System Software

After the hardware design of the system, there will be a lot of system design, which will be responsible for the needs of the actual physical education quality evaluation system, which will be a big change. This article is mainly based on the system structure of WWW browser, Browser, Server and so on of BS architecture system. The WWW browser is mainly responsible for the real-time update of the indicators of the quality evaluation system of physical education; Brower is mainly responsible for the changes of the indicators of the secondary physical education quality evaluation system; the server is mainly responsible for processing the whole process of the indicators of the quality evaluation system during teaching [9].

3.1   Determining the Contribution Value of Physical Education Quality Evaluation Indicators

Many indicators of physical education are planned and quantitative, and the quality evaluation system of physical education is also designed. Specifically as shown in Fig. 2.

When determining the quality evaluation system of physical education, it is necessary to formulate a series of work arrangements. First of all, the most important thing is to discuss with the members of the group, and then explore the evaluation system, review the system design, and supervise. Therefore, this method will have a very important auxiliary function for the evaluation system. A solid foundation has been laid to advance the progress of project evaluation. Second, the evaluation standard is the homework to be done in advance. The common reading mode is to carry out the document, and the evaluation process is detailed. Third, under the implementation of the BS architecture, the WWW browser web page is used for conversion, and the process retrieval of dynamic interaction is realized, and then it is improved according to most systems, which further has a profound impact on the quality and supervision of teaching, at the same time, you can also observe the user's usage to query, and then check the results.

3.2   Index Weights of Physical Education Quality Evaluation

The establishment of the indicators of the physical education system needs to be tracked in real time. In this regard, the evaluation can be carried out according to the weight of
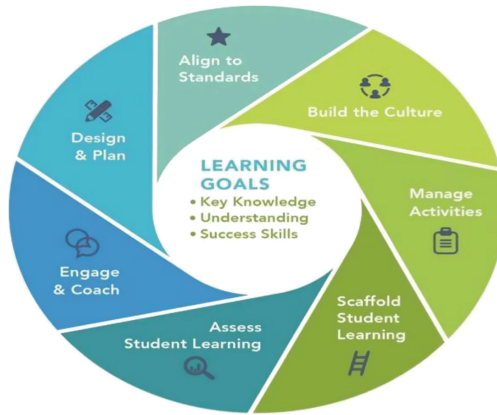
Fig. 2. Flowchart of the evaluation system

the evaluation indicators of the physical education quality. Through such a situation, the relevant design is carried out and the data is dynamically interacted. While evaluating the quality of physical education, there are PCA standards, and there will be a specific space for data processing. If it is arranged according to the system design, then the physical education quality evaluation system will have various results. Let the objective function be P, the following is the calculation formula:

$$P = \left(\frac{\delta_i}{\sum_{i=1}^{n} \delta_i} \right) \times 100\% \tag{1}$$

Among them, it represents the trend of many types of physical education quality evaluation indicators.

4   Case Analysis

4.1   Experiment Preparation

In order to conduct a control experiment, a certain school will be used as the test object, and a lot of teaching results will be collected for analysis. There will be a high comprehensive evaluation for the design of the BS architecture. These high-quality evaluations will have a positive impact on the system design. Great effect. From the perspective of teaching, diversification of teaching methods, teaching objectives, teaching orientation, etc., the evaluation is defined as the experimental group, and through these, the quality of the evaluation system is evaluated by the relevant systems, which is defined as the control group. While conducting the experiment, it is determined which group's evaluation confidence is high, which means which group's physical education teaching quality is good.

4.2   Analysis and Conclusion of Experimental Results

After sorting out all the experimental results, we can see that in terms of the confidence of the evaluation system in this paper, it can be clearly seen that the control group is
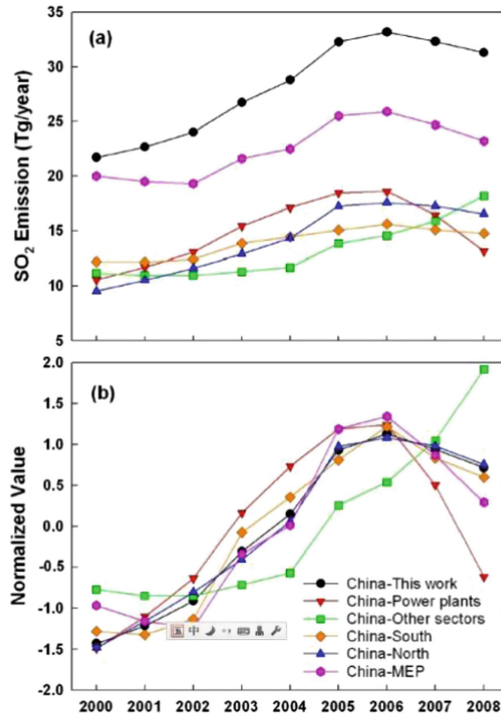
Fig. 3. Experimental comparison of the two systems

superior and has great advantages, so it is more conducive to future development. The comparison results are shown in Fig. 3.

5   Conclusion

On the basis of the physical education quality evaluation system, the combination of the BS architecture has an important influence. Therefore, in the process of implementing problems related to the relevant systems, the BS architecture should be vigorously implemented and optimized. Related evaluation process. In the subsequent development, the research on the physical education quality evaluation system based on the BS structure will be carried out to further optimize and design the problems that arise during the research, and discuss the physical education quality evaluation system, so as to improve the Widespread application of the quality of physical education, strengthen the system's achievements in physical education.

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