On the Construction of a Computer-based Examination Platform for the Introduction of Basic Principles of Marxism in Colleges

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Abstract. Examination is one of the ways to test the teaching result, it is the double test of the teacher's teaching method and the students' learning effect. Developing a set of effective test plan: standardized test based on computer platform. With the popularization and wide application of computer in people's life, the form of examination has gradually changed from traditional paper-based to electronic. Exams are also becoming more diverse. The reform and innovation of this examination method can help students learn the basic principles of Marxism better, understand its essence and connotation more deeply and apply it to life, as well as improve their ability to solve problems.

Keywords: Standardized Test, Computer Platform, Principles of Marxism

1. Introduction
Network ideological and political education is a rising teaching method. With the innovation and development of science and technology in our country, this has led to the development of the network world, and has provided a huge impetus for the progress and development of the network ideological and political education research. This process is also constantly enriching and updating the connotation of the network platform. Throughout the previous research process, people's understanding of the network political platform has gradually changed from abstract to concrete, from ideological and political education to systematic education management service system, from independent construction of colleges to the participation of the whole society. From the technical point of view, the educational platform of the network can provide all aspects of support for the ideological and political education in colleges, including hardware and software. The introduction course of basic principles of Marxism is one of the key courses in the curriculum system of colleges, and it is also a compulsory course stipulated by international unification. The main purpose of the course teaching is to make students have a basic understanding of Marxism, and to cultivate students' basic moral literacy, so that students can analyze different problems from the perspective of Marxist world outlook[1].

2. Using a computer platform to practice standardized examinations
2.1. Examination framework design
This course trains students in two different directions: theoretical mastery and application ability. The course examination is divided into two parts: peacetime examination and final examination. A total of four aspects are to comprehensively assess the student's academic situation, that is, attendance assessment, peacetime performance, stay in class homework, and final examination. Among them, the usual assessment accounts for 60%, final examination accounts for 40% of the final assessment results. The emphasis of these two parts is different. At ordinary times, the examination adopts the form of classroom questions and answers, interaction and so on, to consider the students' knowledge mastery and discrimination ability. The final examination adopts the form of computer standardized examination, which tests the students' examination ability and final learning results.

2.2. Computer standardization examination design
The specific computer examination process is as follows: first enter the examination system interface, students make sure the examination information is accurate, and click to confirm to start the examination; the system can mark uncertain or empty lifting, and check at the last time. After the exam, students can not exit the test page or open other pages, otherwise it will be recorded as a violation. When the time is up, whether the students are finished or not, the system automatically submits and scores automatically, recording and presenting test results at the same time. System background stored students’ specific answer records; teachers can view or check the copy for statistics.

2.3. The interface between the examination system and the educational administration system
In the process of implementing the standardized examination of "principle" courses, the examination system and the related score statistics system are docked, which can realize the direct docking and improve the efficiency of the system. The first is docking with the teacher's usual score input system. The teacher will input the students' usual grades into the system in advance. After waiting for the examination, the examination system converts the usual results to the test results in a certain proportion, and finally the middle school students can see their own results directly in the system. This can avoid repeated submission or artificial errors in the registration process. SecondIf, docking with the teaching management department of students’ grades input system. After the system evaluates the results of a class, it is transferred to the students' grades input system of the educational administration department as a whole, which can improve the efficiency and accuracy of the input. The usual grades of the course should be entered in advance in the final examination system. The specific steps are as follows:

![Figure 1. Final exam score entry process.](image)

3. Points for attention in standardized test

3.1. Establish a program platform that meets needs
Course exams are based on computers, so we must establish a web-based exam desk first. The standardized test platform can be divided into two parts: the front desk and the back desk. The front desk uses a JSP interface. After entering the interface, students can enter the exam system by entering
their account and password; the back-end database can be SQL Server, My SQL or Access. Both the foreground and the background cooperate with each other. In the answer system, it includes many types such as fill-in-the-blank questions, multiple-choice questions, and short-answer questions. Students answer and submit them on time. After the test, the questions are submitted, the machine will score directly[5].

3.2. Establish a sufficient test question bank
The "principle" course should establish a computer platform standardized test, and pay more attention to the construction of the question bank. In the process of constructing the question bank, the first one is to regularly update and continuously expand the teaching content. It focuses on examining students' understanding and interpretation of Marxist current reality. In short answering questions, students need to examine their discriminating ability. The second is that there are many types of question types, each type can be set up different points according to the importance of its investigation. The third is that the number of questions in the question bank is sufficient to avoid repetitive questions in a large range.

In the practice of test papers, the task of setting test papers can be divided into two parts: building a test bank and building test papers. Firstly, the test gives different numbers of questions based on the importance of each chapter. The layout of the test questions includes 4 types of multiple choice questions, single multiple choice questions and short answer questions. The number of each question type is based on the comprehensive consideration of all parties. There are 5 options for single choice and multiple choice questions. Secondly, the computer randomly draws papers according to the selected question bank, and the number of questions for each chapter and each question type is set in advance by the system[6].

With the continuous development of the era and the increasing diversification of educational methods, most colleges and universities have abolished traditional question types and adopted argument-related analysis. This emerging model is conducive to fostering students' innovative consciousness and critical spirit, and cultivating students' dialectics Sexual thinking ability and problem-solving ability. However, the shortcomings of this test method are also obvious, that is, it is difficult for students to improve their thinking ability when they do not have a little understanding of the basic principles of Marxism. Theory is the foundation, and ability is the improvement. The premise of examination innovation and reform is to ensure that students have reached a certain level of mastery of the theoretical basis, so the assessment of theoretical knowledge will not be eliminated, and may continue to occupy the dominant position in examination assessment.

3.3. Supervise students to master the knowledge points
The purpose of implementing standardized tests in the "principle" course is the same as that of other types of tests, which is to urge students to fully grasp the basic principles of Marxism. Then students can use the principles to analyze problems. The wide range of standardized test knowledge design is conducive to the comprehensive inspection of students' learning achievements. At the same time, the computer standardized test mode is highly efficient. It saves manpower and can understand the students' mastery, which is helpful to improve the deficiencies of teaching, thereby students can also have a more specific understanding and improvement of their own learning situation[7].

4. The construction mode of the examination platform of the basic principles of Marxism
Table 1. Construction mode of examination platform.

| Mode                                              | Details                                                                                                                                 |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Government-led multi-party cooperation model      | The prospects for the construction of online education platforms are good, which is the general trend of future education methods. However, if the establishment and application of the platform are to be realized, its professional and technical requirements are high, and it needs to use online and offline resources, as well as to invest corresponding financial support to promote the construction and development of the examination platform. |
| Independent Internet operation mode               | The more prominent the advantages of network technology, the better it can be implemented in the implementation, and the more effective it will be in educating people. The use of advanced network technology or innovation on its basis requires a large number of excellent network talents as support. |
| School-based model based on universities          | College students are relatively familiar with network applications, and possess certain practical and innovative abilities. In the big environment of colleges and universities, college students can serve not only as users of the examination platform, but also as the builders and promoters of the platform. |
| User-oriented co-construction and sharing model   | Through the maintenance and participation of users of the online ideological and political education platform, the first is to further expand the maintenance scope of the online ideological and political education platform to reduce its error rate as much as possible; the second is to strengthen the connection between the education platform and users, so as to enhance the interaction and communication between the two sides; third, it reserves more possibilities for the functions of the online ideological and political education platform, and strives to apply the online ideological and political education platform to more fields and let it play a greater role. |

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