Research on Computer-aided Ideological and Political Education for College Students

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Abstract. Ideological and political education is a key course to develop students and realize the goal of all-round education. It is also an important carrier to carry out the task of "establishing morality and cultivating people". Facing the new situation of wisdom education, in order to deepen students' ideological understanding and cultivate students' good quality, it is necessary to make full use of computer-aided advantages and pay attention to students' ideological and political learning experience, stimulate students to participate in the internal motivation of ideological and political learning, to promote students out of the classroom, real integration into society. By analyzing the practical background of computer-aided ideological and political education for college students, this paper puts forward a computer-aided ideological and political education program for college students.

Keywords: Computer-Aided, College students, Ideological and Political Education, Coping strategies

Ideological and political education is an important measure to realize the basic task of moral education in colleges and universities, and to promote the deep integration of ideological and political education and computer-aided education is also an inevitable requirement to realize educational modernization. In the new era, the theoretical research of ideological and political education in China has continuously expanded its boundaries, and the operational mechanisms such as educational ideas, teaching methods and the application of teaching techniques have also presented new opportunities and challenges, the innovation of ideological and political education has put forward new development requirements.

1 BASED ON THE COMPUTER-AIDED IDEOLOGICAL AND POLITICAL EDUCATION BACKGROUND OF COLLEGE STUDENTS

1.1 In the process of ideological and political education, computer-aided communication and sharing of high-quality resources

In the teaching preparation process of ideological and political teachers, teachers can not be limited by traditional teaching materials, use more computer-aided and information technology means, quickly and efficiently access to all kinds of teaching resources needed, it has greatly enriched the ideological and political classroom content, made the ideological and political classroom teaching content become more colorful, the teaching process is more flexible and changeable, can give full play to the student's main role, improve the teaching efficiency. With the integration of computer-aided and ideological and political classes, students' initiative consciousness of inquiry is further strengthened and their enthusiasm for study is enhanced to a greater extent. The teacher also can obtain the new discovery and the sentiment in the teaching, realizes the teaching to grow together. It can be said that computer-aided sharing of high-quality resources in the interactive ideological and political education to improve the teaching effect. Computer-aided instruction can not only promote the integration and utilization of high-quality resources, but also make the instructional design highly efficient, individualized and flowable.

1.2 In the process of ideological and political education, computer-aided instruction provides good technical support for differentiated instruction

The particularity of ideological and political education requires ideological and political teachers to teach students in accordance with their aptitude and adopt more individualized ideological and political education methods in order to
achieve the aim of ideological and political education and achieve the expected results. The integration of computer-aided teaching in ideological and political education makes the search, storage, high-speed encryption, calculation and analysis, and recommendation engine of data and information more convenient, and it can accurately grasp and analyze each person's current knowledge level, learning needs and accurately push out personalized courses under the condition of comprehensively mastering the big data of students' ideological and political education, at the same time, we also provide students with suitable learning programs, greatly improve learning efficiency, but also make the effect of ideological and political education better. The computer-aided algorithm will analyze the answer of each question and give another question, detect the students' knowledge in depth, and locate the students' knowledge weakness accurately, so that the teaching activities of teachers with a stronger plan and targeted. At the same time, computer-aided can make the ideological and political teachers better achieve scientific and accurate management in the teaching process.

1.3 Computer-aided evaluation of ideological and political education provides an effective means of intelligent assessment

In the process of ideological and political assessment, objective questions are the types of questions with standard answers, which need not be judged by the raters. Under the traditional ideological and political teaching mode in the past, when teachers took on the task of classroom teaching, they also needed to know the students' learning situation and evaluate the students' learning effect by checking the homework and examination papers. At present, machine marking and intelligent examination system have become a reality. Using computer-aided technology to mark objective questions can not only achieve fast and accurate scoring, and the overall analysis of the work can be completed quickly and efficiently. In the process of intelligent evaluation, computer-aided can also help users to count the learning situation of each student in different learning links, and analyze the individual situation, for students to develop a more targeted, feasible learning program, the layout of more personalized learning tasks.

2 THE NEW TREND OF COMPUTER-AIDED IDEOLOGICAL AND POLITICAL EDUCATION FOR COLLEGE STUDENTS

2.1 In the teaching idea, realizes from the knowledge education to the wisdom education transformation

From "knowledge" to "Wisdom" is the development trend of human cognition. First of all, through practice, investigation, research and other activities, people gain a rational and perceptual understanding of science, art and technology, and form a cognitive system about truth, principle or nature and society. Therefore, the idea of traditional education is to train students' behavior so that they can remember and understand the qualitative knowledge in the framework of natural knowledge and achieve stable knowledge transfer. The idea of education has also changed from "transferring knowledge" and "making meaning" to "creating knowledge" and "enriching and expanding meaning". Therefore, education needs not only the education of "knowledge", but also the pursuit of wisdom innovation beyond the knowledge system, from cultivating knowledge talents to cultivating wisdom talents, pursue the ultimate goal of "Wisdom" education. Wisdom education emphasizes a kind of educational idea and value pursuit, which can inspire people's wisdom and innovation ability, promote the actual effect of education and cultivate people with wisdom. In this dimension, the full cognition and rational application of intelligent education technology can emphasize the dominant position of ideological and political education and design the teaching knowledge structure in accordance with the development of society and Times, focus on building a value-oriented education system, for the country to train moral wisdom of the wisdom of students, wisdom of citizens and wisdom of innovative talent.
2.2 In the teaching method, to the small unit structure of differentiated teaching change

Computer-aided technology in ideological and political teaching methodology, showing a "thought and reality" of the Unity of opposites situation. On the one hand, this contradiction is reflected in the mismatch between the advanced concept of computer-aided technology and the outmoded construction of wisdom teaching concept. On the other hand, this is the common development opportunity of the potential market of wisdom education and the inflection point of ideological and political teaching reform in colleges and universities. In order to realize intelligent education, ideological and political education in colleges and universities has gradually changed to a style of accuracy, pluralism, autonomy and coordination, teaching decision-makers are also aware of the possibilities that computer-aided technology brings to the diversified development of the textbook system. In order to conform to such a complicated relationship between "thought and reality", the development of the methodology of ideological and political course in colleges and universities in the computer-aided age must be a combination of differentiation and unification. With the development of network construction, the contact point of information tends to be ubiquitous, and the internalization of knowledge becomes more and more scattered. In the era of globalization, due to the intensification of competition, the complexity of social problems has been gradually increased. These complex problems are not solved by a single knowledge structure of ideological and political science, the theory of ideological and political science needs multi-disciplinary and multi-domain thought, which also makes the process of multi-domain subdivision of ideological and political education speed up and expand.

2.3 In the application of technology, emphasis is placed on adaptive learning driven by knowledge graph

The development of wisdom education also puts forward higher demand for the professional level of ideological and political teaching technology application. On the one hand, ideological and political education workers need to be familiar with the application of different intelligent education technology scene, in order to fit the teaching effect of different teaching links. On the other hand, the professional quality of ideological and political education workers is still the core of the application of intelligent education technology, ideological and political education is not the guarantee of deviation. The advantage of adaptive feedback is that it can realize the automatic design of ideological and political education content by digital calculation, but we still need to guard against the separation of knowledge and value of ideological and political theory content. In order to avoid this situation, ideological and political education needs to emphasize the subjective status of the educators and the EDUCATEES, and improve the construction of knowledge atlas with the help of core professional knowledge, adaptive feedback to realize the integrity of ideological and political education. Knowledge atlas is "a network of knowledge structure based on the inherent relationship of knowledge", so that computer-aided can obtain the ability similar to human cognition of the world. The adaptive learning system of computer provides the basis of calculation force for the construction of knowledge map.

3 THE COMPUTER-AIDED TEACHING STRATEGY OF COLLEGE STUDENTS ‘IDEOLOGY AND POLITICS

The teaching mode is a stable structure and procedure of teaching activity, which is established under the guidance of certain teaching thought or teaching theory. The reform of ideological and political teaching mode in the information age should focus on "learning", attach importance to idea guidance, mobilize teachers and students participation, and strengthen evaluation management. The system can combine the teaching, examination and on-line discussion to realize the coordinated management of the teaching process. And the automatic answer module effectively improves the
accuracy of the answer and the teaching efficiency. Teaching activity is an organic whole composed of teachers, students, environment and content.

According to the theory of software engineering, the function model, database model and class model of the system are designed. The system realizes the functions of online teaching management, course video management, course feedback management and online discussion, and completes the whole course management of automatic teaching. The characteristic of the system lies in the word-breaking processing of the auto-answer module, the key word comparison, the type of the question and the weight of the question which the student asks, finally obtains these key words corresponding answers through the Apriori algorithm. Starting from the teaching law and the teaching goal, establish the effective teaching and the flexible learning idea. Effective teaching is that teachers, under the guidance of Advanced Teaching Concepts, reasonably co-ordinate various teaching elements, choose and apply appropriate teaching strategies, and promote the continuous progress and development of students, activities that meet the educational value needs of society and individuals. The core of effective teaching lies in the multiple development of students. A learning activity based on modern information technology, with a flexible curriculum designed for individuals as its basic content, and characterized by students' autonomous learning choices. The essence of flexible learning lies in the selectivity, diversity and individuation of learning.

Launching the training meeting of the auxiliary system of ideological and political education to give a comprehensive introduction to the auxiliary system of teaching, it focuses on the operation of the teaching assistant system of the theory course, the knowledge points of the ideological and political course, the micro-resource video, the teaching course resources of the theory course, the examination operation of the paperless system, etc.. Ideological and political theory teachers also use mobile phone "learning through" APP client to carry out on-site simulation. Through the ideological and political education auxiliary system training will enable the ideological and political theory teachers to fully understand the APP. The auxiliary system of ideological and political education is fully applied in all aspects of classroom teaching, taking the history of China as an example. Based on the ideological and political education auxiliary system "Super Star Learning through" APP, the ideological and political resources database teaching cases, demonstration courses enrich the teaching content, pre-class through the ideological and political education system release preview tasks and curriculum-related video screen, so that students have a preliminary understanding of this chapter of the course, in order to lay the foundation for classroom teaching; In the class, we can enrich the teaching form, strengthen the class atmosphere and vitality, and make the ideological and political theory course become a popular course for students After-school ideological and political education support system, to address the limitations of time and space to use the online issue of thinking questions and test questions, is no longer a fixed time, fixed classroom, but is the form of diversification of the knowledge learned to review the system, so as to review the old and know the new effect.

Socialism with Chinese characteristics has entered a new era. Advocating Green Water and Green Mountains is the new development philosophy of Jinshan District Silverhill. Ideological and political theory courses must be innovated and Reformed, and the paperless examination on mobile phones must be promoted, students only rely on a mobile phone to conduct the exam, ideological and Political Education Support System Super Star Learning to provide technical support, implementation of invigilation, background program monitoring the number of times students cut the screen, students take the exam in the examination room, students responded well after the exam. Students generally reported that the exam was "efficient and convenient" and "environment-friendly and fashionable". For teachers of ideological and political theory courses, the paperless examination of mobile phones not only lays a foundation for the innovation of teaching methods, at the same time, it enables teachers to get away from a series of work related to paper-based examination papers, such as printing, marking and storing papers, set aside more time and energy to focus on learning
situation analysis, teaching students in accordance with their aptitude and teaching content updates, teaching method reform. Promoting the paperless examination by mobile phone is an effective way to apply the auxiliary system of ideological and political education to ideological and political theory courses.

4 CONCLUSION
Faced with the challenge brought by the information age to the course and teaching of ideological and political theory, on the one hand, teachers of ideological and political theory courses need to constantly study and master modern information technology and receive systematic training in computer technology, giving full play to the advantages of multimedia teaching in ideological and political theory courses, on the other hand, teachers of ideological and political theory courses should not rely too much on this technology, and should grasp the paradigm of "objective-content-method", strengthening the actual effect of ideological and political theory teaching.

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REFERENCES