

Effective Integration of Computer and Ideological and Political Education Based on Intelligent Teaching Platform

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Abstract. The traditional mechanism of ideological and political education is relatively single, no matter it is teaching idea, or teaching method, there are great limitations, which affect the effectiveness of ideological and political education. In the environment of wisdom education, we will give full play to the advantages of computer technology and reconstruct the system of ideological and political education. We will innovate the effectiveness of ideological and political education on the basis of accurately grasping students' demands for ideological and political study, improving students' understanding of ideological and political education. Based on the intelligence teaching environment, this paper puts forward the effective integration path of computer and ideological and political education based on the intelligence teaching platform.

Keywords: Intelligent teaching platform, Computer, Ideological and political education, Effective integration

The ideological and political education based on the intelligent teaching platform relies on the intelligent analysis function of the intelligent teaching platform, which can not only understand the individual students' ideological and political learning situation and educational effect, we can also master the current trends of Students' thinking and the focuses and hotspots they are concerned about, and use the big data mining tool to synthesize and analyze the dynamic hot spots in the school and in the society, it can make the prediction more accurate and provide valuable and targeted reference for the ideological and political education.

1 THE INTEGRATION DILEMMA OF COMPUTER AND IDEOLOGICAL AND POLITICAL EDUCATION BASED ON INTELLIGENT TEACHING PLATFORM

As a new form of ideological and political education which takes data and algorithms as the technical support and technological logic as the operating principle, it is necessary to realize the goal of carrying the way with an instrument and learning to be an adult, it is necessary to grasp the contradictions between the application of technology and ideological and political education to prevent the alienation of technology.

1.1 The contradiction between the pursuit of "utility" of technology and the integrity of ideological and political education

"Utility" refers to the means or carrier of ideological and political education in the view of modern technology. All kinds of modern technology are used in the field of ideological and political education, which promotes the development of ideological and political education in the direction of Technology, Science and Technology, and precision. However, technology naturally has instrumental rationality, which often lacks the value analysis of the humanistic spirit of ideological and political education, resulting in the separation or even opposition between the subject and object of ideological and political education, it makes the ideological and political educators enjoy the high efficiency of modern technology, and at the same time, all the ideological and political education have to rely on technology to develop the technology dependency. When artificial intelligence becomes the dependence and even domination of ideological and political education, artificial intelligence is endowed with the color of too "intelligence" or "God", and becomes the "new favorite" in the field of ideological and political education. Led by the inertia of technology dependence, "teaching and

learning dominated by technological rationality will detract from the life implication of genuine education." As a result, the ecology of ideological and political education, which is a combination of life, value, sociality and technology, has been destroyed.

1.2 The contradiction between the "Rule" of technology and the humanism of ideological and political education

"Rules" refers to the operating standards and procedures of modern technology in the field of ideological and political education. The modern technology represented by artificial intelligence as the technical bearing of ideological and political education, through information embedding, code-driven, arithmetic operation, deep learning, standardized rules and technological processes of data output, continuously generate knowledge and information of ideological and political education. From the perspective of intellectual politics, standardized rules and technological processes play a prescriptive function, that is, they determine the magnitude, type, manner and scope of data and information transmission. In fact, this kind of standardized rules and technological process lacks subjective consciousness, which makes the humanistic spirit in ideological and political education subject to the influence of standardized rules and technological process, it can only run within the rules of the established algorithm, the framework of the process, and the preset program. The humanistic spirit of the individual experiencing ideological and political education can only be presented by means of the cold data transaction, as a result, the humanistic spirit of ideological and political education can not fully perceive the outside world, and it is difficult for ideological and political education to display the social relationship dimension of its humanistic spirit in the process of data transaction.

1.3 The contradiction between the weakening of "knowing Tao" by technology and the vitality of ideological and political education

Modern technology has penetrated into every corner of social civilization, and ideological and political education, as a position of inheriting civilization value and displaying civilization concept, has also undergone profound changes due to the wide spread of modern technology. While modern people enjoy the benefits of technology, they are also prone to fall into "technological carnival" and become "Cybermen" who embed individual lives into modern technology, so much so that modern technology in turn regulates and even dominates the development of human life. From the point of view of intellectual politics, if we proceed from technological thinking only and do not consider the value of life carried behind technology, then, at most, the application of artificial intelligence stays at the external level such as establishing technical standards, defining technical rules, creating technical environment, optimizing technical means and upgrading technical platform, people's emotional experience, value choice and learning meaning will only be mechanically incorporated into the machine "algorithm", as a result, the individual life with human dignity, meaningful world and spiritual needs is submerged in the "technological enchantment" of artificial intelligence. In this sense, it is the ontological thinking of ideological and political education cooperating with artificial intelligence development to study intellectual politics from the dimension of "knowing Tao", it is an inevitable choice to find the place for ideological and political education to "settle down", and it is also a forward-looking exploration for ideological and political education to stick to the logic of life.

2 THE INTELLIGENT TEACHING PLATFORM UNDER THE BACKGROUND OF THE EFFECTIVE INTEGRATION OF COMPUTER AND IDEOLOGICAL AND POLITICAL EDUCATION

With the development of teaching information, the emergence of new generation of intelligent information technology and its deep integration and innovative application in teaching, the elements and structure of teaching system will have

new changes. In the intelligent classroom teaching, the relationship and structure of human, system and activity form the "Intelligent Classroom" teaching ecological system, it consists of intelligent resource service, intelligent evaluation service, intelligent terminal service and intelligent teaching application.

2.1 Smart resource service layer

The intelligent resource service is the basic service layer of the intelligent classroom teaching system, which provides teaching content resources, data information resources and so on for the intelligent classroom teaching and learning. The Intelligent Resource Service is based on the cloud service of intelligent teaching, which uses the technologies of intelligent management, intelligent retrieval and intelligent recommendation to build an intelligent resource management and service platform, to provide intelligent learning resources management and service for the whole process of teaching application. The main content of intelligent resource service includes curriculum standards of various subjects, multi-version digital teaching materials, micro-course resources, multimedia materials and courseware, homework and examination question bank, teaching management information, teaching dynamic data and so on.

2.2 Smart assessment service layer

The intelligent evaluation service is the core function of the intelligent teaching service platform and the key support of the intelligent classroom teaching application service. Through the establishment of comprehensive quality evaluation system, multiple learning test system, dynamic evaluation and analysis system and other subsystems, based on real-time data collection and aggregation, by using the new techniques of intelligence evaluation, learning analysis and data mining, the system of teaching evaluation is reconstructed by providing formative evaluation, summative evaluation and diagnostic evaluation.

2.3 Smart terminal services layer

Intelligent Terminal service is the terminal realization way of intelligent classroom teaching application, which is composed of terminal application supporting software and hardware. For all kinds of teaching application terminal equipment, such as smart phone, PAD, notebook computer, desktop computer, wearable smart device, develop corresponding teaching application software, to achieve teaching, learning, management and other applications, including intelligent micro-lesson production, micro-lesson application, test evaluation, statistical analysis, intelligent push learning resources, communication tools and third-party APP applications. The intelligent terminal service mainly has the teacher end, the student end, the management end, the parent end, the environment end and so on type.

2.4 Intelligent tutoring application layer

The application of intelligent teaching is mainly the application flow of intelligent teaching, which provides the application procedures and methods of "teaching" by teachers and "learning" by students, to achieve the whole process of pre-class, class, after-class communication and information service support. The pre-course includes the situation analysis, preview and evaluation, teaching design, and the mid-course includes the topic introduction, inquiry learning, real-time examination, summary and promotion. After-class sessions include homework, micro-class counseling, reflection and evaluation.

3 THE EFFECTIVE INTEGRATION STRATEGY OF COMPUTER AND IDEOLOGICAL AND POLITICAL EDUCATION BASED ON THE INTELLIGENT TEACHING PLATFORM

3.1 Innovate the classroom teaching means of network ideological and political education

With the deep integration of network ideological and political education and technical means, classroom teaching is constantly innovated, and provides a new element and a comprehensive framework for the innovative development of classroom teaching. First, the integration of biological science "biosensing technology" to take root in the classroom teaching situation. Under the function of intelligent sensors, students can automatically collect and capture various kinds of changing information in the classroom, and transform the information into data. Through detection and screening, students' real experience and feelings in classroom teaching can be discovered, it is convenient for teachers to integrate teaching objectives and improve teaching strategies under the technology of Biosensor. Second, the integration of electronic information "waveform analysis technology" to accurately grasp the dynamics of the classroom. Under the function of digital oscilloscope, we can compress and save the mass biological signals which are released in the classroom teaching, and judge the students' attention concentration and activity in the classroom at a certain time node, it is convenient for teachers to improve and integrate resources under waveform analysis technology. The third is the "face recognition technology" of fusing image processing to promote learning engagement behavior. With the help of the face recognition instrument, the students' real emotions and hidden emotions can be identified by capturing the micro-expressions which are hard to be perceived by the naked eye in the classroom teaching, it is convenient for teachers to get a deep understanding of students' preferences under the face recognition technology, and stimulate the generation of learning behavior in the way students like to see and hear.

3.2 Ways to enrich the concept of network ideological and political education

The important concepts or knowledge points in the network ideological and political education can be interpreted from the perspective of different disciplines. First, the integration of ethics to understand the "moral connotation.". The network ideological and political education has trained people's sense of moral responsibility for the network society, introduced the moral concern from the real society into the network society, and made the virtual interpersonal relationship no longer be a single, abstract and digital relationship, it is an organic and unified relationship of coordinated development and harmonious coexistence, which enables people to share information resources more rationally, undertake network moral responsibility more consciously, and build a clear network ecology together. Second, the fusion of philosophical interpretation of "dialectical unity." From the perspective of holism philosophy, virtual human relations exist because of human's subjective initiative and internal purpose, and human creates virtual human relations, which also react on human beings, this requires network ideological and political education to follow the changes and development of virtual interpersonal law, scientific and rational grasp of the dialectical relationship between people and the network. Third, the integration of legal science to understand the "principle of upholding the law.". Network ideological and political education is aimed at the responsibility of the subject in the network society, which is the "soft constraint" to the virtual interpersonal relationship As a rigid mechanism to maintain the stability of network society, law regulates and restrains people's network social behavior through law enforcement, which is the "hard constraint" on virtual interpersonal relationship.

3.3 Enhance the feasible operation ability of network ideological and political education

Taking the teaching of judging and dealing with the network public opinion as an example, the interdisciplinary integration can further improve the students' ability to perceive, analyze and guide the complex network public opinion

and their ability to deal with it. One is to re-examine and learn from the communication theory of "transmission prescription", aware of the network public opinion prescription and key node changes under the current new mechanism, and relying on the "spiral of silence" theory, to study how to "respond to public opinion with public opinion", and to do a good job of combining the two, so as to strengthen the function, penetration and guarantee of the network ideological and political education in the guidance of public opinion, improve students' sensitivity and control of public opinion. The second is to study and draw on the theory of "deduction and analysis" of logic, emphasizing that in the process of implementing ideological and political education on the Internet, we should use the methods of deduction, reasoning and criticism of logic when facing a mass of information, accurate analysis and judgment of students' real emotional tendency, improve students' cognitive level of network public opinion systematization and comprehensiveness. Third, it pays attention to the process and uses the theory of "system evaluation" of management for reference. The traditional early warning is embedded in the pre-set early warning rules, when the data obtained deviates from the rules, it will prompt and make corresponding judgments; The current early warning of public opinion is no longer judged by the final result generated by the final system, but more attention is paid to the changes and performance of various indicators in the earlier period, and a systematic evaluation is made by synthesizing factors from multiple directions and angles, so that the public opinion early warning from the traditional "results" to "process" change, improve the dynamic response ability of students to grasp the network public opinion.

4 CONCLUSION

The ultimate goal of intelligent ideological and political education is to improve the quality of ideological and political education by shortening the process of ideological and political education, optimizing the situation of ideological and political education. That is to say, sticking to the quality standpoint of enhancing the effect of educating people, sticking to the essence of educating people covered by the rationality of artificial intelligence tools, guiding artificial intelligence to serve the individual's ideological value leading and overall development needs, this is the deep logic of the intelligence ideological and political education.

REFERENCES

- [1] Jinxin Liu. Wisdom and Moral Education: Transformation and Development of Ideological and Political Work in Colleges and Universities under Internet Thinking [J]. School Party Building and Ideological Education, 2016, (21): 85-88.
- [2] Wen Luo. Using "Smart Classroom" as a Platform to Save the Phenomenon of "Bow-headed People" in Ideological and Political Courses in Colleges and Universities [J]. Modernization of Education, 2017, (49): 267-268+277.
- [3] Lixian Xie. An analysis of the smart classroom in the ideological and political theory course of higher vocational colleges in the Internet + era—taking the blue ink cloud class as an example [J]. Journal of Guangdong Water Conservancy and Electric Power Vocational and Technical College, 2017, (3): 52-57 .
- [4] Meili Huan. Construction of ideological and political education network platform in smart campus environment [J]. Automation and Instrumentation, 2018, (8): 196-198.
- [5] Changmei Yin, Ping Wang, Han Han. et al. A preliminary study on the ideological and political education of intelligent college students in the era of big data [J]. Theory of Learning, 2018, (2): 244-246.