

# Research on Online Platform for Ideological Training Guided by Comprehensive Evaluation of Ideological Theory Based on Brainwave Data Mining

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**Abstract:** Grasp the development trend of ideological and political courses, and build a "five-dimensional" evaluation-oriented system that integrates scientific content, comprehensive process, teacher leadership, student subjectivity and social effectiveness. The socialist qualified successor" is an inevitable requirement for "realizing the great rejuvenation of the Chinese nation". The key to realizing the integration of the two is to build a scientific and reasonable integration mechanism. Therefore, we can build a reasonable matching mechanism, a correct orientation mechanism, a two-way coordination mechanism, an interactive sharing mechanism, and an effective incentive mechanism.

**Keywords:** Ideological and Political Training, Comprehensive Evaluation, Ideological Theory, Brainwave Data

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## 1. INTRODUCTION

The new generation of intelligent revolution represented by artificial intelligence, big data, and the Internet of Things accelerates its evolution and realizes the deep integration of intelligent technology and ideological and political theory course evaluation orientation [1]. It is based on the truth of the times, conforms to the trend of the times, answers the questions of the times, and builds modernization. The essence of education power [2]. Reform the evaluation mechanism of ideological and political theory courses, "increase the proportion of teaching and teaching research in evaluation, overcome the disadvantages of only diplomas [3], papers, and hats, and guide teachers of ideological and political courses to focus on teaching and educating people. The above education methods [4]. It is bound to go to two extremes: one is to let the students who once lived in the "ivory tower" continue to live in the "realm of freedom" and "ideal society" without seeing any negative phenomena and negative information [5].

At this time, the noble image of the teacher, the engineer of the human soul [6], was also destroyed. The second is to let the students who were once trapped in the "dark side" be "cynic" and follow the wave of "darkness" without finding or unwilling to find a window to break through. Such a highly controversial political concept or topic as ideology should obviously avoid two forms of education: one is purely affirmative sentences without questioning; the other is purely positive preaching [7], without mentioning negative examples. The two are usually combined to form a positive preaching "full house" of "socialist China only has harmony and no contradictions" [8]. On the contrary, theory tells us. General Secretary Xi Jinping emphasized at the National Conference on Ideological and Political Work in Colleges and Universities that it is necessary to use new media and new technologies to make work come alive [9], promote the high integration of traditional advantages of ideological and political work with information technology, and enhance the sense of the times and attractiveness [10]. On December 8, 2017, when the Political Bureau of the Central Committee of the Communist Party of China conducted the second

collective study on the implementation of the national big data strategy [11], General Secretary Xi Jinping emphasized that it is necessary to adhere to the people-centered development philosophy and promote "Internet + education" [12]. It can be seen that the integration of information technology and the teaching of ideological and political theory courses (hereinafter referred to as ideological and political courses) [13] in colleges and universities is a clear requirement of the party and the country, an urgent requirement for the reform of ideological and political courses informatization teaching, and a requirement for the comprehensive development of disciplines [14].

Only by realizing the deep integration of the two can we continuously improve the teaching quality of ideological and political courses and meet the increasing demands [15] of college students for the study of ideological and political theory. General Secretary Xi personally presided over the ideological and political work conference in colleges and universities in 2016 [16], clearly requiring all schools to focus on "cultivating morality and cultivating people" as the core content, so that ideological and political work can accompany all discipline construction and education activities [17]. The whole process promotes the sustainable development of higher education in the form of "three completes". The general secretary requires all colleges and universities with the goal of "cultivating people by virtue" [18]. Sleep is a natural process that human beings must go through to relieve their own fatigue [19]. This is because the disturbance of the external environment during sleep will become smaller or even disappear. Tests have shown that the brain activity detected during sleep in humans and animals is not a complete static state [20], but a series of periodic changes that are actively regulated by the body sending out signals from the EEG.

Xi Jinping pointed out at the National Propaganda and Ideological Work Conference: "Ideological work is an extremely important work of the party [21]. In the face of new situations and new challenges, effectively enhancing the

dominance of socialist ideology is a major issue before us. While doing a good job in economic construction [22], we should further strengthen the work in the ideological field, and firmly grasp the leadership, management and discourse power of this work [23].

## 2. THE PROPOSED METHODOLOGY

### 2.1 The Fusing Brainwave Data

Using the power of truth to seize the commanding heights of students' ideology through efficient content production, knowledge integration and theoretical teaching is the bridge for the transformation of Marxist theory from text to reality. The arrival of the era of intelligence highlights the ideological and theoretical development pattern of a hundred schools of thought contending, a hundred flowers bloom, and a hundred purples and a thousand reds. The powerful communication, penetration and diffusion power of the intelligent platform has also become an important tool for "deconstructing" Marxism. Numerous bad thoughts have put on the "modern" coat with the help of intelligent platforms. Informatization teaching refers to the use of network information technology, processing teaching resources, continuously optimizing the teaching process, reshaping the teaching environment, improving the quality of teaching, and enhancing the effectiveness of teaching.

The information-based teaching has given birth to the mobile teaching platform, which is only a carrier of the information-based teaching and enriches the information-based teaching. Mobile teaching platform refers to teaching software that uses the Internet and mobile terminal equipment to carry out independent and interactive learning. With the advent of the "Internet +" era, the concept of data fusion was first proposed by the data fusion laboratory group of the US Department of Defense: data fusion is a multi-level, multi-level data processing process, which mainly completes the data from multiple information sources. Perform automatic detection, correlation, correlation, estimation and combination processing. Compared with a single sensor, multi-sensor data fusion has many advantages: increase the complementarity of time and space, improve fault tolerance, improve the real-time performance of the system, and increase the selectivity of sensors. The difference between multi-sensor data fusion and classical signal processing methods is that the multi-sensor information processing process is more complicated, and the data obtained by different types of sensors are different. The data fusion level is classified according to the different levels of data abstraction. Data-level fusion is the lowest level of low-level fusion. Data-level fusion requires that the information of each sensor to be fused can be accurate to the pixel level, so as to ensure the registration accuracy between sensors. No or little processing is done on the raw information obtained by the sensor.

Although data-level fusion is at the lowest level of fusion, it can provide the most abundant original information, and because it can provide pixel-level data that cannot be provided by the other two fusion levels.

### 2.2 The Comprehensive Evaluation of Ideology Theory

In order to realize the deep integration of the mobile teaching platform with the teaching of ideological and political courses in colleges and universities, the compatibility of the two must be considered first, so building a reasonable matching mechanism is the premise. Specifically, it is to carefully select the most suitable mobile teaching platform for the teaching of

ideological and political courses in colleges and universities. The most suitable mobile teaching platform for the teaching of ideological and political courses in colleges and universities should be highly compatible with the characteristics of ideological and political courses, subject content, teaching characteristics, and ideological and political theoretical thinking methods. Therefore, it has the highest data accuracy. Data-level fusion has the characteristics of huge data volume and high data redundancy. Therefore, processing data is time-consuming and has poor real-time performance. Generally speaking, the processing cost is high, and the fusion system needs to have good fault tolerance.

"Ideological and political education has a clear purpose, and the carrier is the form of ideological and political education. Its application should serve the purpose of realizing ideological and political education, and of course it should have a clear purpose. When choosing a mobile teaching platform, we must first consider whether it can effectively To meet the needs of ideological and political course teaching in colleges and universities. It is not only necessary to understand the characteristics, functions, conditions of use, and value of mobile teaching platforms.

### 2.3 The Research on Online Platforms for Ideological and Political Training

Establish an evaluation direction that complements virtuality and reality. The development of intelligent technology has broken through the original threshold of ideological and political courses, laying a solid foundation for ideological and political courses to open up new positions, provide new carriers, and unlock new methods. Artificial intelligence is fundamentally "an organ of the human mind created by human hands, and a materialized knowledge force". In the process of network ideological and political education, it is emphasized to follow the law of interaction between subjects, that is, the effectiveness of network ideological and political education mainly depends on the breadth and depth of communication between subjects. The in-depth integration of blue ink cloud class and ideological and political teaching in colleges and universities cannot be limited to ideological and political classrooms, but must break the time and space constraints of traditional classrooms, extend to extracurriculars, and realize constant interaction between teachers and students. Therefore, it is necessary to build an online and offline interaction mechanism.

The teaching of ideological and political courses in colleges and universities is different from general subjects. , is the force of the rapid advancement of big data, the call of network ideological and political education in the new era, and the urgent need for the growth of contemporary college students. Therefore, the in-depth integration of mobile teaching platforms and ideological and political teaching in colleges and universities should not only satisfy the sense of acquisition of ideological and political teachers, but also satisfy the sense of acquisition of contemporary college students. In order to continuously improve the construction of the mobile teaching platform, we must build a learning community. Ideological and political teachers should appropriately group students according to the teaching content and teaching design of ideological and political courses. Each group and member perform their own duties and undertake certain tasks. The division of labor is connected and coordinated with each other.

### 3. CONCLUSIONS

Ideological education has a long way to go. Teachers of ideological and political theory courses in colleges and universities should continuously reform and innovate ideological education methods. The path and method advocated by the article are typical of the negative, and there is still a lack of top-level design to achieve deep integration; the concept of informatization teaching for ideological and political teachers needs to be further refreshed; the mobile teaching platform needs to be continuously upgraded and improved according to the characteristics of ideological and political theory courses.

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