

# Research on Innovation of College student's Ideological and Political Education in the Modern Science and Technology Times

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## Abstract

With many advantages and disadvantages, modern science and technology has penetrated into all aspects of social life. The ideological and political education is a systematic project, however, the method is both a mean and a way to implement ideological and political education, especially, which is impacted significantly by modern science and technology. Based on the principle of ideological and political education of college students and scientific spirit, in this paper, the author combined with the law of college students' ideological and moral development in practice and exploring, studied deeply and summed up the theory on how to guide the method innovation of college student s' ideological and political education by innovation of thinking.

**Keywords:** Science and technology, College students, Ideological and political education, Innovation

## 1. Introduction

Early the 20th century, modern natural science had a revolutionary development, and their outcome had promoted the development of modern high-technology. To the 20th century, 50 years of molecu-

lar biology and the particle physics of 60 years marked the fourth scientific revolution, the early 70's genetic engineering technology and microelectronics technology as the representative of the fourth technological revolution, which followed the third scientific revolution and the technological revolution. Strictly speaking, the so-called modern scientific revolution and the technological revolution, in other words, which is the fourth scientific revolution and the technological revolution<sup>1</sup>. The development of modern science and technology has made people greatly changed the way, methods, and ability to understand and transform the world, greatly expand people's vision of natural and social awareness, human civilization has gained tremendous development than any previous era. In response to these changing times, it is the call of the times to study on reform and innovation of the methods of ideological and political education, also being the needs of practice. The State Council pointed out in Proposal on Further Strengthening and Improving College Students' Ideological and Political Education<sup>2</sup>: "College students are valuable human resources, our national hope and motherland's future." The action strengthening and improving college students' ideological and political education is so as to improve their ideo-

logical and political awareness, to ensure that they grow into builders and successors of the socialist cause.

## **2. In the modern science and technology times, the opportunities and challenges of College students' ideological and political education**

### **2.1 The conflict of choice between diversity and dominance**

In modern society, going with scientific and technological modernization, economic globalization and the wave of social information were followed to come. In particular, Chinese socialist market economy is in the process of establishing and improving. The economic sectors, interest groups, organizational forms, jobs and way of life are being increasingly diverse, complex and multi-change. In this context, the political, economic, cultural, living, thinking and other aspects are the intersection period of the domestic and foreign, old and new period of integration. Problems and new changes are in the endless. All of that have provided a new environment for ideological and political education, created a new atmosphere, injected new vitality. Meanwhile, they also lead to the diversity and complexity of College students' ideas, presented a challenge to dominant education.

### **2.2 The conflict between the mainbody of contemporary college students, rational thought demanding and traditional too object-oriented approach, the political tendency**

Contemporary college students grow up influencing under the modern science and technology, they learn and advocate the spirit of "science, democracy and freedom", appreciate the individual liberation, yearn to embody subjectivity and rational educational environment, desire to loose, free atmosphere of the growth and they have strong sense of the subject and de-

mocracy, equality and the psychological appeal. The too object-oriented and political tendency of traditional methods of ideological and political education, which mainly manifested: first, the educated will be as an object, were used to the one-way input education: "I said, you listen to me" and "I hit you pass." The educated are lack of subjectivity, initiative and interaction. Second, the political functions and political overtones of ideological and political education were too much emphasized, which conflicted with college students' rational thinking demands more and more intense.

## **3. The necessity and urgency of reform and innovation of methods of College students' ideological and political education**

### **3.1 It is objective needs to complete the sacred mission of training students**

Method is the bonds and the bridges to link educators and educated, also is to implement the educational process and a means of achieving educational goals and ways. Under the conditions of modern science and technology, college students' ideological and political education are facing good opportunities for development, but also facing tough challenges. How to adapt to the times, reform and innovate in the ideological and political education methods, give full play to the advantages of modern science and technology, these are not only the call of the times, but also are the objective requirements of the completing the sacred mission of cultivating college students.

### **3.2 It is the fundamental requirement for the development of ideological and political education method concepts**

As part of purpose of social and cultural activities, ideological and political education is prominently dominated by the

ideas and concepts. Outdated, conservative educational system and educational methods, often with outdated, conservative ideas continued to be, to reflect the characteristics of the times and modern means of educational content, also were given ruling and interpretation with outdated, conservative way of thinking, and making it cast with a conservative means<sup>3</sup>. Thus, in modern science and technology for the distinctive features of the social environment, the method ideas of college students' ideological and political education needs reform, innovation and development. Update of idea must be given high priority for its fundamental guiding role. Now, in the college students' ideological and political education, we must take "student-oriented concept", "the concept of service", "system concept" and "concept of sustainable development," etc. instead of the old idea of "the concept of one-way input", "dominant management" and "the concept of law-abiding", so as to open the way of innovation and development of college students' ideological and political education methods.

#### **4. The theory and practice of exploration of the innovative methods of college students' ideological and political education**

##### **4.1 To form a scientific method of cognition**

The method of cognition is the starting point of the college students' ideological and political education methods. The first, we should adhere to the guidance by Marxist epistemology and methodology. The second, we should use the new visual to look at the college students, educational environment, carrier and objective, etc. reflecting the openness, diversity and development. The third, we should respect the individuality, recognize the difference. Particularly, under the conditions of

modern science and technology, the knowledge-based economy and information society have brought diverse ideas, values diversity, diversification of behavior, etc. created a distinct difference in personality traits and ideas of contemporary college students. We must have this kind of mind and method of cognition to view and grasp the college students' ideological and political education.

##### **4.2 To change in ways of thinking**

Firstly, to enhance the scientific nature of thinking. The college students are the groups of accumulation of knowledge, while accepting the scientific knowledge and education, they engaged in the creation and exploration. They advocate science, the pursuit of rational. It is the objective requirements that the way of thinking of college students' ideological and political education must reflect the scientific nature, and only the methods with scientific thinking as reflected in the ideological and political education can better reveal the nature of social development, and follow the law of intellectual development of college students to meet the needs of their growth and development. Secondly, to strengthen the systematic thinking. The development of modern science and technology is being a high degree of differentiation, they also tended to a high degree of integrated at same time, which has its salient features. we must strengthen the systemic thinking, we should integrate all aspects of the strength and make them become a force system, and effectively improve the effectiveness of the college students' ideological and political education. Thirdly, we should enhance the creative thinking. Thus, under the conditions of modern science and technology, it is the only way and the inevitable choice to enhance the creative thinking and innovation in the reform and innovate methods of the college students' ideological and political

education.

#### **4.3 To update the concept of ideological and political education**

Firstly, to foster the concept of student-oriented. That is to establish the dominant position of students, to respect and understand students, to concern about them and to follow the law of talents. The second, to establish the concept of providing services. The third, to establish the concept of opening up. Modern society is an unprecedented open society. The wave of globalization and information technology has brought interactions among the various countries' cultures, greatly expanded the development of society. The various subjects were mutual penetration in various fields, increasing the socialization degree of the college students. The college students' ideological and political education are facing with a large open stage, we must change the traditional, closed educational ideas and system, break up the limits that ideological and political education was only confined to the classroom, textbooks and theory, establish the open educational system, so that which could be consistent with modern social trends<sup>[4]</sup>. The fourth, to establish the concept of diversification. The fifth, to establish the creative concept. The openness of modern society, competitiveness and development provide the demands of creative objectively, while the college students' autonomy, selective enhanced, it provides the conditions for our creative. We must take Marxism as a guide, connect closely with contemporary social realities and the actual institutions of colleges and universities, and creatively carry out the college students' ideological and political education.

#### **5 Conclusion**

The development of modern science and

technology has greatly changed the means, methods and ability of way people understand and transform the world. It provides not only a good opportunity for development of college students' ideological and political education but also to bring about the severe challenge. Under the new situation, the methods of the college students' ideological and political education must be innovated. However, the innovation of thinking is the foundation, the innovative methods of the College students' ideological and political education must be led by the innovative thinking. Conforming to the tide of the times, we should make full use of the advantages of modern science and technology, resolve unfavorable factors, and do our best to do the college students' ideological and political education. Making the college students grow into builders and successors of the socialist cause, which is not only the call of the times but also the sacred mission entrusted by history to the universities.

#### **References**

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