



# Exploration of the Implementation Path of Ideological and Political Education in the Basic Course of Computer Application in Higher Vocational Education

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**Abstract:** *With the rapid development of information technology, computer application foundation courses are playing an increasingly important role in higher vocational education. So it is always necessary to integrate the teaching design of ideological and political education into the teaching and practical training process of computer application foundation courses. Therefore, how to integrate ideological and political education into computer application basic courses has become an important issue in the current reform of higher vocational education. This article aims to explore the implementation path of ideological and political education in the basic course of computer application in higher vocational education, in order to provide new ideas and methods for ideological and political education in higher vocational education.*

**Keywords:** Vocational computer science; Application foundation; Ideological and political education; Implementation path.

## 1. Introduction

In the current reform of higher vocational education, under the requirements of comprehensive coverage and in-depth promotion of ideological and political education, a series of ideological and political courses have been launched to strengthen the ideological and political education of students majoring in computer applications in higher vocational education, promote their comprehensive development, improve their overall quality, and especially cultivate their ability to inherit and practice socialist core values. The computer application major in vocational colleges cultivates computer application technology talents, mainly focusing on the cultivation of students' professional knowledge and skills. However, with the development of society, computer application talents not only need professional knowledge, but also need to possess high ideological and moral qualities, patriotism, and a sense of social responsibility.

## 2. Theoretical Basis of Ideological and Political Education in the Basic Course of Computer Application in Higher Vocational Education

## **2.1 The Importance and Necessity of Ideological and Political Education**

The integration of computer application foundation courses and ideological and political education in higher vocational education is very important, mainly reflected in the following aspects:

Integrating ideological and political education can cultivate students' ideological and moral literacy. The integration of computer application basic courses and ideological and political education can guide students to establish correct outlooks on life, values, and morality, strengthen their patriotism and sense of social responsibility, cultivate their good behavior and moral habits, improve their moral cultivation while possessing strong professional knowledge, and achieve comprehensive and all-round development.

In addition, integrating ideological and political education can also cultivate students' awareness of technological innovation and entrepreneurial spirit. When studying basic computer application courses, it is also necessary to have an innovative spirit. At this time, ideological and political education can guide students to pay attention to the development of technology, cultivate their awareness of technological innovation and entrepreneurial spirit, stimulate their innovative thinking and creativity, adapt to the needs of the times, and contribute to the economic and social development of the country. In addition to the above three points, the most fundamental one is that ideological and political education can cultivate students' national consciousness and sense of national responsibility. As a student, it is essential to have a sense of national consciousness and national responsibility. Ideological and political education can enhance students' national consciousness and pride, cultivate their patriotism and sense of national responsibility, enable them to contribute their own strength to the development of the country and the nation, and continuously strive for the realization of the Chinese Dream of great rejuvenation of the Chinese nation.

## **2.2 Characteristics and Problems of Computer Application Fundamentals Course in Higher Vocational Education**

The computer application foundation course is a very special course that is different from traditional courses and has many new teaching methods. To better integrate ideological and political education with it, the first step is to have a better understanding of this course.

The computer application foundation course is a highly practical course. This course aims to cultivate students' mastery of basic knowledge and skills in computer applications, so that they can flexibly apply them in practical work. Therefore, the course content is usually closely combined with practical cases and applications, focusing on cultivating students' practical operation and problem-solving abilities. Moreover, the computer application foundation course has a strong correlation with other computer related courses, laying a solid professional foundation for students and laying the groundwork for learning more advanced professional courses. Vocational computer application foundation courses need to keep up with the pace of industry development, constantly update course content and teaching methods to adapt to the changes of the times.

However, there are still many problems with this course at present. Firstly, there is a lack of teaching resources. Due to the continuous development of computer technology, the latest teaching equipment and software need to be introduced. However, some schools do not attach enough importance to the course of computer application basics, resulting in teaching equipment that cannot meet actual teaching needs, and textbooks and teaching content are relatively outdated, unable to cover the latest technologies and applications in a timely manner, which is very unfavorable for students' computer learning and understanding.

### **2.3 Theoretical Basis for the Integration of Ideological and Political Education with Professional Knowledge**

Vocational education should not only cultivate students' professional abilities, but also develop their comprehensive abilities such as ideological and moral qualities, professional ethics, etc. Integrating ideological and political education with basic computer application courses can enable students to focus on the cultivation of ideological consciousness, sense of responsibility, and social virtues while learning professional knowledge.

Ideological and political education involves disciplines such as moral ethics, political philosophy, sociology, etc., which can provide new thinking and perspectives for the professional knowledge of computer application basic courses in vocational colleges. Through the guidance of ideological and political education, students can better understand the knowledge of computer application basic courses, deepen their understanding of professional fields such as software engineering ethics and information security management, and thus improve their comprehensive application abilities.

Ideological and political education focuses on cultivating students' sense of social responsibility and professional ethics, which is consistent with the goals of vocational education. Integrating ideological and political education with professional knowledge can help students recognize the relationship between their industry and society in computer application foundation courses, learn to think about problems from the perspective of ethics and social responsibility, and form good professional ethics.

Computer science and technology play an extremely important role in social development, and the corresponding social needs are constantly changing. The integration of ideological and political education with professional knowledge can help students better grasp industry development trends and related policies, cultivate their innovative spirit, practical ability, and adaptability, and enable them to adapt to rapidly changing social environments and make appropriate decisions.

## **3. Element Mining of Ideological and Political Education in Computer Application Foundation Courses**

### **3.1 Exploring Ideological and Political Elements Based on Professional Characteristics**

The computer application foundation course involves professional knowledge in fields such as software engineering and information security. In the process of learning these knowledge, students can be guided to recognize the positive and negative impacts of information technology, and cultivate a moral and ethical sense of responsibility towards society and individuals. Moreover, when learning professional knowledge, students can cultivate their professional qualities through different ways, including work attitude, professional ethics, teamwork, and so on. Through ideological and political guidance, students can have deeper thoughts on career development, establish correct professional ethics and social responsibility.

### **3.2 Combining Excellent Traditions to Explore Ideological and Political Elements**

The basic courses of computer applications can be combined with traditional Chinese cultural values and revolutionary spirit. For example, Chinese culture emphasizes values such as filial piety, loyalty, and integrity, which can be combined with information security, personal privacy, and other related content in computer application foundation courses to guide students in building correct moral

concepts; The revolutionary spirit emphasizes conscious dedication, innovative spirit, and courage to take responsibility, which are in line with practical aspects such as programming and system development in computer application foundation courses, and can cultivate students' innovative consciousness and practical ability.

### **3.3 Combining Information Literacy to Explore Ideological and Political Elements**

In the computer industry, having information literacy is very important. When integrating computer application foundation courses with ideological and political education, we can also start with information literacy education, combining information ethics training and information dissemination training to improve students' ideological and political level. From the perspective of information ethics, the widespread application of information technology has brought new challenges to personal privacy, data security, and so on. Through ideological and political education, students can be guided to understand and respect information ethics, and learn how to use and manage information technology correctly. The development of information technology has promoted the speed and breadth of information dissemination. Ideological and political education can guide students to understand the laws of information dissemination, cultivate their ability to distinguish information sources and content, and improve their information literacy.

### **3.4 Combining Practical Training Content to Explore Ideological and Political Elements**

During the practical training of computer application foundation courses in vocational colleges, teachers can increase student teamwork. The practical training of computer application foundation courses often requires students to cooperate in a team. Ideological and political education can help students better complete practical training tasks by cultivating their team consciousness, communication and cooperation abilities, etc. Moreover, the practical aspects of computer application foundation courses can be combined with social services, by carrying out public welfare projects, participating in community construction and other practical activities, to cultivate students' sense of social responsibility and dedication.

## **4. Implementation Path of Ideological and Political Education in the Basic Course of Computer Application in Higher Vocational Education**

### **4.1 Optimize Course Structure and Integrate Ideological and Political Elements**

Integrating ideological and political elements into computer application foundation courses and changing the original course structure is the first step. Only by changing the curriculum structure can students have a deeper understanding of the significance that ideological and political education brings to them, and develop an interest in ideological and political education. Firstly, it is necessary to arrange the course content reasonably, pay attention to the combination of theory and practice, and highlight the practicality of computer application foundation courses. Secondly, it is necessary to cleverly integrate ideological and political elements such as professional ethics, professional competence, laws and regulations into the course content, so that students can be influenced by ideological and political education while learning computer knowledge. For example, adding student group discussions and reporting sessions during class can not only help students better grasp professional knowledge, but also enable them to have more self-awareness and better learn ideological and political knowledge.

### **4.2 Strengthen the Teaching Staff and Improve the Teaching Level**

Strengthening the teaching staff is the key to integrating ideological and political education into the curriculum. Teachers should first have a certain level of familiarity with ideological and political education. Therefore, it is necessary to strengthen the training of teachers, improve their ideological and political awareness, and enhance their ability to educate students. Secondly, teachers should be encouraged to participate in scientific research activities and improve their teaching level. At the same time, it is necessary to establish and improve a teacher evaluation mechanism, taking the ideological and political education ability of teachers as an important indicator for evaluation, and motivating teachers to actively participate in curriculum ideological and political reform.

#### **4.3 Improve Teaching Content and Create High-quality Resources**

Whether the teaching content is good or not is the standard for measuring the quality of a lesson. Improving teaching content is the foundation for integrating ideological and political education into vocational computer application basic courses. For the modification and enrichment of teaching content, teachers first need to understand students and develop reasonable teaching plans based on their actual situation and professional needs, ensuring the scientific and practical nature of teaching content. Secondly, we should actively develop high-quality resources, such as multimedia courseware, online courses, practical cases, etc., to make the teaching content more vivid, visual, and persuasive.

#### **5. Conclusion:**

The implementation of ideological and political education in the basic course of computer application in higher vocational education is a systematic project that requires the joint efforts of teachers, students, and managers. This article proposes methods to improve the content of ideological and political education in courses, optimize teaching methods and means, and hopes that these methods can provide some useful references and inspirations for the implementation of ideological and political education in computer application basic courses in higher vocational education. Through the strengthening of ideological and political education, comprehensive talents with professional competence, moral literacy, and social responsibility can emerge in the future. This is the development direction of higher vocational education and also promotes its comprehensive development.

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