

## The significance and function of Chinese Traditional Culture

### Education integrating into College Engineering Teaching

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**Abstract:** the significance of Chinese traditional culture education integrating into the teaching of Engineering in Colleges and universities is mainly reflected in the essential needs of cultivating talents with high quality and the important way to practice the socialist core value system. The traditional culture education in engineering Colleges and universities in our country is characterized by the lag of traditional culture education and the lack of innovation of curriculum and professional teachers. To cultivate college students' national cohesion and to provide useful value to solve all kinds of confusion and contradictions is the value of Chinese traditional culture education in Colleges and universities. To change the concept, to cultivate and strengthen the construction of the harmonious campus culture and to shape the humanistic spirit of college teachers is an effective strategy for the integration of Chinese traditional culture education into the education of college engineering.

**Key words:** traditional culture; engineering teaching;

At present, with the improvement of comprehensive national power and the rapid development of economic globalization, the innovation of science and technology is more and more prominent. The focus of higher education has been transferred to the level of science and technology, which is more obvious in engineering colleges and universities. However, this situation has brought great challenges to the quality education in Colleges and universities, and the traditional culture education in our country is facing the phenomenon that the degree of attention is gradually weakened. With the reform and development of higher education in our country, the training objectives of students are not only a solid professional skills, but also must have a higher moral sentiment, perfect personality and strong sense of social responsibility. To face the fierce social competition and the pressure of the employment college students can effectively regulate themselves through their own enhance of quality of humanities and adapt to all kinds of pressure and impact brought by the society and make the realization of self-development.

#### **I .The significance of Chinese traditional culture education integrating in College engineering teaching**

(a) It is the essential need of training high quality talents in Colleges and Universities

The quality of the contemporary college students is mainly reflected in the aspects of professional quality, cultural quality, moral quality and psychological health.

Among them, cultural quality and moral quality are important contents in the process of students' education. Colleges and universities in the process of education tend to pay more attention to the cultivation of professional quality, resulting in students' cultural quality and moral quality is ignored. The cultural and moral qualities can be summed up as the humanistic quality in engineering colleges. The integration of traditional culture education is an effective way to enhance the humanities and the overall quality of students. The essential purpose is to cultivate college students not to be self-centered and to be comprehensive understanding of self, social awareness and understanding of the world, which continues to strengthen and improve the overall quality.

(b) It is an important way to practice the socialist core value system.

The socialist core value system is the Central Party committee proposed in the sixth Plenary Session of the 16th CPC Central Committee, and again in the Congress, the core is the basic quality of national patriotic spirit, the spirit of reform and innovation as the development and construction of socialist harmonious society and citizens. College students are the main undertaker of the construction of socialist harmonious society. It is an important way to carry out the moral education in Colleges and universities. In the engineering colleges and universities, through the integration of Chinese traditional culture into the classroom teaching it is conducive to deepening the patriotic enthusiasm of students. China has five thousand years of history and culture of [1], from the Spring and Autumn Period to the late "the Eight Tang-Song Prose masters" is China's traditional culture origin. These cultural thoughts in content or in the form will reflect strong patriotic spirit. At the same time, the Chinese traditional culture into the students' daily education can effectively cultivate students' innovative spirit. Therefore, the integration of traditional culture into the process of College Students' quality education can cultivate students' professional quality, and make the students' creative thinking and innovative spirit develop in harmony.

## **II. Current situation of traditional culture education in Engineering Colleges**

(a) The lag of traditional culture education

At present, in the process of students' education and training, the training and instruction of students' professional skills are higher than that of the students' Humanities quality. The students in the learning process have put most of the energy to professional academic research, which leads to the serious imbalance of learning quality of comprehensive quality of students. During the process traditional culture education is not timely follow-up and directly affects the students' talent training. At the same time, the implementation of traditional culture education in engineering colleges and universities are lack of flexibility. The content of the course education and teaching mode can not be personalized for the actual situation of engineering students, which seriously affects the effect of traditional culture education. In addition, in engineering colleges too much emphasis are put on professional knowledge education and the traditional culture education of humanistic quality is ignored, which will inhibit the engineering students' creative ability. The creative thinking of students is difficult to play an important role.

(b)Curriculum setting and the insufficient innovation of professional teachers

In the engineering colleges and universities, the traditional culture curriculum is mostly the elective courses for the students of science and engineering. The form of examination is also to review the curriculum [3]. This leads to the students in the course of learning in the allocation of time and knowledge to grasp the level of more emphasis on science and engineering subject. The traditional culture of learning and mastering is often ignored. In the course of curriculum setting, traditional culture education is often taken as an elective course for everyone to learn. However, due to the small number of courses, the content of teaching is limited, the content of the course and the knowledge of updating is often lagging behind. At the same time, the traditional culture of teachers to promote students' learning of traditional culture in the process has not been able to pay full attention to it. The phenomenon of what the books say has serious impact on students' enthusiasm for the traditional culture of learning. In addition, the teaching mode not adapting to the era of effective innovation is an important problem faced by professional teachers. It is an important task for universities of science and technology to carry on the important innovation to adapt to the development needs of students.

### **III 、 The value of Chinese traditional culture education integrated in Engineering Universities**

(a) It is the concentrated reflection of Cultivating College Students' national cohesion

Chinese traditional culture is the precious wealth accumulated through thousands of years, is the source of national spiritual power to promote the inheritance of our national spirit. The students of engineering colleges have distinctive characteristics of ignoring management culture. In such universities China traditional culture education can enhance students' enterprising consciousness. On one hand the national Development is embodied by advanced science and technology level, on the other hand the cohesion of national spirit embodies the comprehensive national strength. Therefore, the development of Chinese traditional culture education can improve the moral character and the comprehensive quality of the students of science and engineering.

(b) To provide valuable help to solve all kinds of contradictions and confusions

With the continuous development and progress of human society, the ability of human beings to transform nature has been greatly improved. And the conflicts between man and nature, man and man, man and society are becoming more and more obvious. The resulting from social, ecological and moral crisis gradually highlights. However, the great wisdom of harmony and balance theory contained in Chinese traditional culture can help us to solve various crises. The outstanding traditional culture of our country is concerned with the value, morality and existence of human being. Therefore, in the university and colleges to strengthen the traditional culture is an important aspect of training goal of cultivating engineering students. With the understanding of Chinese traditional culture it can be used to effectively solve the conflict and confusion principle at work or in the learning process.

#### **IV 、 Analysis on the strategy of Chinese traditional culture education integrating in College Engineering Teaching**

##### **(a) Change concept, comprehensive cultivation**

In view of the distinctive characteristics of engineering students of "overemphasizing on science and neglect of arts" the transformation of the concept of students and teachers and the improvement of students' comprehensive quality are the most important problems to be solved. In the course of teaching and curriculum setting history and philosophy are integrated into the text and increase the number of hours [4]. We should pay attention to the professional courses and meanwhile we should put our traditional culture into the daily teaching. At the same time, students are encouraged to use their spare time to read literary classics and enrich their literary quality.

##### **(b) Strengthening the construction of Harmonious Campus Culture**

The construction of harmonious humanistic campus culture is an important way to cultivate humanistic quality in Colleges and universities. In the daily construction of campus culture the school can integrate different content and form of traditional culture into groups of students through various forms of community activities. It is cultivation of sentiments of students and at the same time to improve the comprehensive students' humanistic quality, to promote the development of the construction of campus culture, to strengthen the culture of harmonious campus atmosphere [5]. It is the implementation of comprehensive development of engineering specialty.

##### **(c) Molding the humanistic spirit of University Teachers**

University teachers play an important and leading role in the training of talents. The professional quality and humanistic quality of teachers directly influence the development of students. In the course of teaching teachers should take the responsibility of cultivating students' humanistic quality through the cultivation of students' comprehensive quality. Through the cultivation students' internal and individual characteristics can be simultaneously and continuously developed. At the same time, professional teachers should constantly improve their overall quality and actively organize training exchanges, improve teaching skills, and improve the quality of humanities education process in a better way.

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