

## Research Article

### Construction of a Novel Ideological and Political Education Management System Based on HACCP

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**Abstract:** This study aimed to construct a novel ideological and political education management system by combining traditional ideological and political education management method with Hazard Analysis and Critical Control Point (HACCP) based food authentication system in food industry. The current food industry is threatened by growing crisis, thus it is necessary to strengthen ideological and political education management to routinize and complete traditional ideological and political education management. The study stated the problem of moral deficiency existing in food industry, emphasized the necessity of moral construction and explained the correlation in the view of similarities of moral construction in food industry and ideological and political education. Moreover, a feasible novel HACCP ideological and political management system was formulated based on empirical analysis, in order to improve applicability and manageability and effectively enhance ideological and moral level of students and teachers in colleges and universities and staffs engaging in food industry.

**Keywords:** Application delivery, food industry, HACCP, ideological and political education management system, moral construction

## INTRODUCTION

With the development of economic globalization and proceeding of novel ideological and political education management system construction in China, course reform in universities and colleges attaches more and more attention on ideological and political education for students. However, limited by traditional educational idea, the current ideological and political education in colleges and universities still has outstanding problems, such as emphasizing theory but ignoring practice, lack of detailed implementation scheme and assessment criteria (Yanling, 2015; Ying and Linqun, 2015; Li, 2015; Haiyan and Chenggang, 2015). In recent years, food safety accident frequently occurs, for example, melamine, artificial honey and duck blood, clenbuterol, Sudan salted duck egg and tainted steamed buns, which is not only caused by lack of regulations and rules but also a reflection of poor morality (Aihui and Kaiwen, 2014; Huanan *et al.*, 2009; Luciano, 2009; Kaisheng *et al.*, 2014). Now it is urgent to begin moral construction in food industry and it is also necessary to construct a novel ideological and political education management system in universities and colleges, as it concerns every field in the society. Ideological and political education system in universities and colleges requires to be updated. To be specific, we must innovate ideological and political education form and carrier for university students. Construction of a novel ideological and political

education management system based on HACCP is a challenge to traditional ideological education process, a new consideration on its positioning, a change to ideological and political education mode and carrier considering the situation and a powerful breakthrough in enhancement of ideological and political education work and moral education (Dan and Nuan, 2013; Carol *et al.*, 2012).

In the perspective of systematic theory and formation of definite ideological and political assessment criteria, this study effectively solved the practical problems existing in food industry and ideological and political education in colleges and universities.

**Overview of the current ideological and political education in universities and colleges:** Ideological and political education concerns the overall quality of national people and construction of spirit of Chinese people. This study focuses on deep and objective analysis and correct understanding of main body, object and environment of ideological and political work in colleges and universities.

**Characteristics of main body of the current ideological and political education in universities and colleges:** Teachers, the main body in ideological and political education management in universities and colleges, is a group that purposefully, designedly and organically educate students and meanwhile formulate

Table 1: Investigation table of major problems existing in teaching mode in universities and colleges

Investigation item	Number of participants	Proportion (%)
1. Rote learning, lack of interest	60	56
2. Disconnection between theory and practical ability	75	70
3. Boring language learning	68	64
4. Overestimation of test score and limitation on individual development of students	59	55
5. Teaching without passion	69	65
6. Lack of communication between students and teachers	53	50
7. Others	1	1

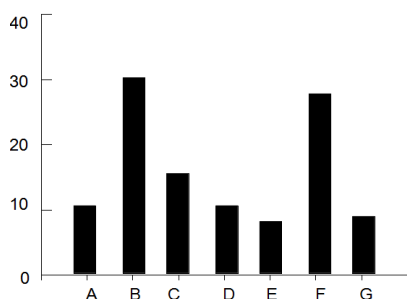


Fig. 1: Investigation results of the happiest thing that students feel in colleges and universities  
 A: Learning; B: Make friends; C: Surf the internet; D: Sports; E: Have a love affair; F: Attend collective activities; G: Attending various competitions

related criteria. Since 21<sup>st</sup> century, the overall ideological and political education level in Chinese universities and colleges is constantly improved, but multiple problems require to be solved.

**Improvement of traditional ideological and political education:** Chinese traditional ideological education characterized by dogmatization and modeling is incomplete and unsuccessful as it cannot envisage the difference between students and achieve individualized quality education. Innovation of ideological and political education form and carrier in universities and colleges is the most difficult step in constructing a novel ideological and political education management process. In the current age which advocates respect individuality and value of students, we require to diagnose problems and formulate proper solutions based on the demand of students. Under the traditional ideological and political education pattern, students are lack of learning enthusiasm and innovative thinking, which is unbeneficial to their contribution in food industry in the future. Thus it is necessary to change previous traditional ideological and political education patter.

**Status of ideological and political education course in colleges and universities:** Effect and quality of ideological and political education course in colleges and universities directly concerns cultivation of talents; however, the current ideological and political course in universities and colleges has multiple problems in course content, teaching mode and teaching ability of teachers. Table 1 is an investigation table showing

major problems of teaching mode in colleges and universities.

**Characteristics of object of the current ideological and education in universities and colleges:** College students are the object which educators exert influence on in the process of ideological and political education process. As time goes on, ideological and moral concepts and behaviors of college students gradually change. Various factors bring unbeneficial impact on overall thinking of students, besides enlarge their horizon. Figure 1 is the investigation results about the happiest thing that students feel in colleges and universities.

Figure 1 suggests that, college students are more interested in attending collective activities, such as make friends and attending competitions. With the implementation of birth control, only child becomes more and more in China. But only child characterized by distinct personality is easy to have problems such as love affair, network addiction and being weary of studying in their growth process. Thus the traditional education way is seriously disconnected.

## METHODOLOGY

**Construction of a novel ideological and political education management system based on HACCP:** The quantity of students at school has been more than 20 millions. Therefore, we should take efforts to study and explore an effective mode of ideological and political education for college students. HACCP is a system that identifies, assess and control factors that may cause pollution in food production (Carol *et al.*, 2014). The concept proposed by America refers to make risk assessment on the existing and potential risk in the whole food chain applying theories and methods of food technology, quality control and risk assessment, figure out critical control points that have serious impact on safety of final products and take prevention/control and corrective measures to reduce the risk of emergence of unqualified products and achieve effective control on food safety (Mirko, 2009). Its detailed operating procedures are as follows (Fig. 2).

A novel ideological and political education management system based on HACCP is constructed by introducing basic principles of HACCP system into ideological and political education of college students to reduce risk that influences development of idea and

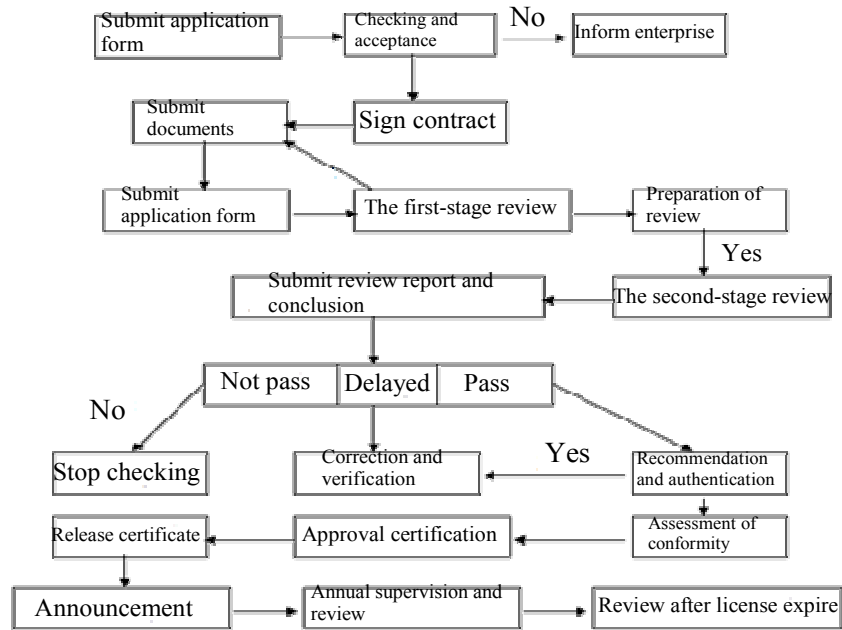


Fig. 2: HACCP operating procedures

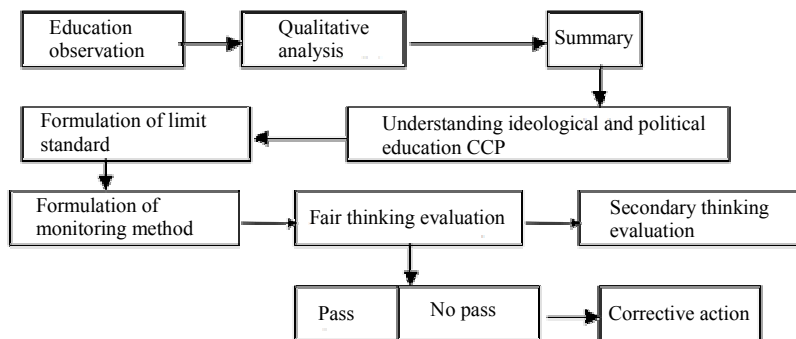


Fig. 3: Operating procedures of HACCP system verification in combination with ideological and political education

formation of correct value of college students to the lowest level. Moreover, it formulates and adopts some measures to deal with the mistakes students make considering individual difference between students, in order to cope with the influence risks and formulates effective recording procedures to verify the effect of HACCP system in ideological and political education of college students. This study attempted to combine HACCP system verification and ideological and political education. Figure 3 is the operating procedure.

#### APPLICATION OF INNOVATED IDEOLOGICAL AND POLITICAL EDUCATION MANAGEMENT SYSTEM BASED ON HACCP

**Preliminary analysis and execution:** First is observation analysis (Shao and Zhong, 2003). During school education, it is necessary to analyze individual difference between students to understand ideas and attitude of students, generally master the thinking

pattern of student group, thus to lay a basis for formulation of critical control point and critical standard.

Second is qualitative analysis (Vincent and Fred, 2007), i.e., hazard analysis. It means to present students' thought with data obtained from investigation. Methods that can be adopted include: questionnaire survey in form of paper or online, talking, group communication and forum.

Third is summary analysis. Based on observing and analyzing data, college teachers should know the ideological and political level of students and identify critical control point of ideological and political education aiming at the shortcoming of students.

**Identification of critical control point of ideological and political education:** As China has a vast territory, ideological level of students in different areas varies greatly. Thus colleges and universities should identify critical control point of students considering the overall

Table 2: Value of  $A^{nm}$

$A^{nm}$	1	2	3	4	5	6	7	8	9
	Same		Slightly strong		Strong		Very strong		Extremely strong

Table 3: Theoretical value of  $A^{nm}$

$A^{nm}$	1	3	5	7	9
	Same	Slightly	Strong	Very strong	Extremely strong

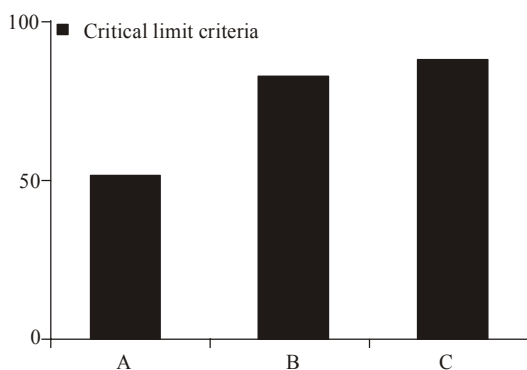


Fig. 4: Critical limit criteria for factors that influence healthy ideological development and formulation of correct value of students

A: Single event of ideological education test; B: Intellectual education test; C: Test of expansion of moral education

characteristics of local students and conclude major factors that affect thinking of students in form of investigation. Different colleges and universities should formulate proper critical control point identification scheme based on their own characteristics.

We should figure out definite data based on reasonable criteria and quantitative results and summarize factors influencing thinking of students in universities and colleges. Take some universities as examples.

First, we make pairwise comparison among factors of index in the same level. Table 3 is obtained based on Table 2.

Critical control points are obtained after quantifying investigation results. Totally 40,000 questionnaires were released and 29,486 effective samples were collected. We made pairwise comparison on factors represented by elements in every set, i.e., compare the importance of some factor on general objective. Table 4 is obtained based on Table 3.

It can be seen from Table 4 that, factors influencing healthy development of thought and formation of correct value include problems existing in traditional ideological and political education, thinking pattern and awareness of students and teaching situation of ideological and political course in colleges. Suggestions proposed by students suggest that ideological and political education needs to be improved.

**Formation of critical limit standard:** Critical limit standard, i.e., assessment criteria for moral thought of students, is the direct basis for public assessing ideological and moral level of students and directly determines self-recognition of students. Formulation of critical limit standard occupies an important position in ideological education management system based on HACCP.

Reasonable limit criteria are formulated according to previous ideological and political education experience in colleges and universities and considering the characteristics of thought of students.

The first step is to formulate a set of complete comprehensive quality assessment scheme based on practical situation of students in different colleges and universities.

The second step is to investigate general situation of various moral education indexes and scores in comprehensive test and take them as the basis of assessment. Detailed situation is shown in Table 5.

The third step is to formulate critical limit criteria for factors that restrain healthy ideological development

Table 4: Factors that influence healthy development of thinking and formation of correct value of students

Item	Concrete manifestation	Strength		
		1 (%)	3-7 (%)	9 (%)
Problems existing in traditional ideological and political education	Ignoring individual difference and characteristics of students	5	18	77
	Modeling of education form and carrier	5	25	70
	Lack of reliability in assessment of ideological education practice	8	10	82
Thinking pattern and awareness of students in colleges and universities	Weak political discrimination	20	35	45
	Weak sympathy and sense of justice	10	25	65
	Existence of thought of quick success	30	25	45
Status of current ideological and political education in universities and colleges	Single and old teaching means	/	12	88
	Textbook cannot keep with the development of age	5	18	77
	Low enthusiasm in learning ideological and political course of students	25	10	65

Table 5: Sampling investigation of ideological and moral situation of part students

Testing item	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	...
Single event of ideological education	89.12	88.03	88.63	88.08	88.08	90.05	86.95	...
Intellectual education	83.76	86.02	84.07	84.04	86.42	86.95	85.12	...
Expansion of moral education	47.08	42.85	43.16	43.15	45.44	45.12	42.03	...

and formation of correct value according to the identified critical control point of ideological and political education and considering ideological and political performance. Critical limit criteria are shown in Table 4.

It can be seen from Fig. 4 that, difference of critical standard line of students is not remarkable, especially test of expansion of moral education.

**Formation of reasonable monitoring method:** We should improve comprehensive ideological level and comprehensive quality of university students by reducing harmful thought that misleads students. On the premise of critical control point and critical limit standard, the universities should formulate reasonable monitoring method applicable to their students considering the thought characteristics and previous exploration method of their own students and strictly implement corresponding measures as per that method. First is to formulate monitoring procedures and record operating processing, then confirm whether critical control point is out of control or deviate from critical limit standard and finally adopt relative corrective measures.

**Formulation of corrective measures:** After confirming the key factors that influence healthy ideological development and formation of correct value of college students, we determine whether the factors are out of control or deviate from critical limit standard and then formulate corrective measures. First we should find out reasons why it exceeds critical limit standard and then come up with solutions.

#### **APPLICATION VALUE OF CONSTRUCTING A NOVEL IDEOLOGICAL AND POLITICAL EDUCATION MANAGEMENT SYSTEM BASED ON HACCP**

First, we can effectively cope with problems existing in traditional ideological and political education, remove universal application mode in ideological and political education and explore new means and carrier of ideological and political education of university students. By doing that, we can effectively solve problems of thinking mode and awareness of university students, discuss relative critical control point, formulate method for monitoring CCP and improve ideological education of university students.

Next, we can confirm the reasons that restrain moral education development of university students based on the record of ideological education and then encourage them to attend some practice involving novel ideological and education management system to improve themselves.

The third point is to select some universities as innovated test points and apply HACCP system into

ideological and political education management of university students, in order to formulate critical control points that restrain their ideological and political quality and formulate corresponding monitoring scheme. Practice suggests that, constructing a novel ideological and political education system based on HACCA is of great application value.

#### **CONCLUSION**

All in all, construction of a novel ideological and political education system based on HACCA is valuable. This system solves the problems existing in traditional education system through a systematic, scientific and professional theoretical framework, which not only enhance systematicness and feasibility of ideological education, but also improve the quality of main body of education. Construction of ideological and political education management system in colleges and universities aims to guide people studying in university and engaging in food industry to step out of moral puzzle, prevent invasion of harmful thought, reconstruct socialist moral concepts and set up socialist moral system in enterprises.

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