

**RESEARCH ON THE COLLABORATIVE DEVELOPMENT OF STUDENT
MANAGEMENT AND SCIENTIFIC AND TECHNOLOGICAL INNOVATION
EDUCATION IN CHINESE UNIVERSITIES IN THE NEW ERA**

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ABSTRACT

With the development of society, the scale of China's higher education is expanding, which represents the progress of China's education and the gradual improvement of the level of civic education. However, the development of higher education is also accompanied by many new problems, such as how to coordinate the development of student management and scientific and technological innovation education in the new era is one of them. The coordinated development of college student management and scientific and technological innovation education is the internal requirement of realizing the goal of high-level talents. The management of college students and the education of scientific and technological innovation have the consistency of educational objectives, work ideas and educational functions. Only when they develop harmoniously can they promote each other and complement each other. To promote the coordinated development of the two, it is necessary to adhere to the idea of the unity of morality and intelligence and the combination of education, management and service as the core, and do a good job in the top-level design of the overall promotion of the coordinated development strategy; Focusing on improving the talent cultivation function of student management, we should create a new mode of "balanced + interactive" scientific and technological innovation education; Taking the construction of scientific management system as the guide, we should realize the all-round penetration of science and technology innovation education; To build a new and effective platform for education management as a breakthrough, promote the diversification of scientific and technological innovation education methods; With collaborative innovation as the effective starting point, establish and improve the operation guarantee mechanism of standardized management.

Key Words: Student Management, University Management Concept, Scientific And Technological Innovation, Education, Coordinated Development.

1. INTRODUCTION

An analysis of the characteristics of Chinese college students in the new situation People are vulnerable to the environment. Under the new situation, great changes have taken place in

China's economic and social outlook, and the reform in the field of education is also deepening, which has created many distinctive characteristics of College Students under the new situation.

First of all, under the new situation, college students' thoughts are more diverse. After the reform and opening-up, Chinese society has entered a period of comprehensive opening-up and development, international exchanges have become more frequent, and a large number of foreign cultural ideas have begun to infiltrate in China. Domestic society is also more open, and regional exchanges and integration are accelerated. Especially under the promotion of network technology, all kinds of social thoughts and cultural thoughts spread in China in an unprecedented trend, with faster speed and wider scope. As a new generation of college students growing up in the new situation, their thoughts are bound to be influenced by these multi cultures in the society, showing a rich, diversified and complex.

Secondly, the will quality of college students is relatively weak under the new situation. With the development of society and the improvement of economic level, people's material life has undergone fundamental changes. Under the new situation, most college students do not have the pressure of material life, have a single experience, and have never experienced the honing of life, which leads to the weakness of the consciousness and quality of most students' hard-working, the obvious lack of perseverance, and they are easy to be timid and give up in the face of difficulties. Finally, the personality of college students is more distinct under the new situation. At present, most college students are still the only child. Even if they are not the only child, there are few brothers and sisters. In the family, they are often highly cared by their elders. As a result, many students' individualism is more serious. They take themselves as the center and do not consider the feelings of others. This is not conducive to students' study, life and getting along with others. All kinds of contradictions and problems increase, which also brings more difficulties to the daily management of colleges and Universities.

These characteristics have exacerbated the complexity and difficulty of the current college students' daily management to a certain extent, and also become a problem that must be paid attention to and solved in the process of College Students' management.

2. MATERIALS AND METHODS

2.1 The relationship between student management and science and technology innovation education In the new era

The scientific and technological innovation educators in Chinese colleges and universities implement the fundamental task of personnel training, which requires reform and innovation as the driving force, coordinated development as the direction, to promote the high integration of various elements in the process of scientific and technological innovation education, and form a systematic joint force and synergy effect. This practical requirement establishes the direction of efforts for the construction and strengthening of the joint education system in Colleges and universities, and provides the basis for innovation It provides a theoretical basis for the coordinated development mode of student management and scientific and technological innovation education. The coordinated development of College Students' management and scientific and technological innovation education is based on the guidance of common behavior

goals, taking the behavior characteristics and key nodes in the process of College Students' growth as reference, through integration and innovation, the two and their constituent elements can develop coordinately, resonate at the same frequency, and superimpose education effects, so as to jointly build a new strategy of College Students' management and scientific and technological innovation education New system, in order to obtain the overall best talent training effect of the working mode. This is of great practical significance to enhance the effectiveness of College Students' scientific and technological innovation work, comprehensively improve the quality of College Students' management and service, and promote the theoretical and practical innovation of talent cultivation in Colleges and universities.

2.2.The necessity of the coordinated development of college student management and science and technology innovation education In a narrow sense

College student management and science and technology innovation education belong to the general category of "student work". In a broad sense, they are defined as two important functions in the education system of colleges and universities, The coordinated development of education, management and service is in a good situation. The management of college students and the education of scientific and technological innovation are important elements in the talent training system of colleges and universities. Promoting the coordinated development of the two is the inevitable choice to follow the law of education, promote the reform and innovation of colleges and universities in line with the development of the times, and improve the overall quality of education¹.

The idea of student management and scientific and technological innovation education in Colleges and universities cooperate and complement each other, which is unified in the "joint force" system of moral education in Colleges and universities. Since the theory of synergetics was put forward by harken, synergetics has been widely used in natural science, management and politics as a method to deal with complex systemsIn the fields of academic research and education, it is not only applicable to the inanimate world, but also applicable to the living world, with universality Collaboration has the meaning of common, cooperation, coordination and synchronization. It is the joint action of many subsystems in the system. The elements of the system will connect, cooperate, coordinate and act synchronously under certain conditions. The strategic orientation of talent cultivation in Colleges and universities determines that they should strengthen the sense of coordination, and take improving the degree of coordination of scientific and technological innovation education as a means to deal with the relationship between student management and scientific and technological innovation education in a coordinated way, form an overall coordination and control mechanism, improve the ability of coordination and control, and ensure the overall relevance and progressive, effective and orderly operation of the talent cultivation system.

Zheng Guangxiang. Analysis of synergy and order parameter of College Students' science and technology ¹ innovation education [J]. Journal of systems science, 2019 (4): 103

2. 3. The problems and difficulties of the application of the cooperative education mechanism between the management of students and the education of scientific and technological innovation in Colleges and Universities

(1) The practical requirements of education management in Colleges and universities and the imperfect educational standards of scientific and technological innovation

The management of college students is to carry out management practice for the students. There are some differences in the difficulty and direction of management between students in different periods and different stages. Because of this, the management of college students can not meet the needs of comprehensive education management, and students management standards must be based on educational practice. In the aspect of science and technology innovation education, due to the different levels of science and technology innovation learning among different students, the teaching standards must be adjusted in time for the individual education of students. In this process, the single form of education is bound to be unable to adapt to the diversified education environment. Therefore, in order to better strengthen the cooperative education practice of students management and scientific and technological innovation education in Colleges and universities, we must first improve the management requirements and education standards, and ensure that the students management and science and technology innovation education can form a benign cycle through unified management norms and teaching standards application practice, so as to establish and perfect the collaborative education management system.

(2) The management mode of College Students' education does not fit with the form of science and technology innovation educationAt present

Most of the Chinese Universities' science and technology innovation education adopts the method of stage education, and integrates different knowledge concepts in different stages to ensure the students can digest the knowledge learned effectively. However, the management of students requires that colleges and universities can continuously promote the management practice according to the problems existing in student management. Therefore, in the form of education and management, the traditional education and management methods are not suitable for the cooperative education mechanism. The basic characteristics of collaborative education should be combined to optimize the management mode and the form of science and technology innovation education, improve the internal connection between student management and science and technology innovation education, strengthen the leading position of students in management, and make use of changing the main management mode of students so that the management of students can meet the requirements of science and technology innovation education. For example, through the cultivation of independent management and self-control of students, the management practice is carried out, taking science and technology innovation education as the carrier, and the quality education work is used to standardize the individual learning behavior of students, so that they can participate in the learning practice within the scope of the requirements of University management, and then promote the integration of management work and science and technology innovation education.

(3) The cooperative education mechanism of College Students' education management and science and technology innovation education has not yet formed a systematic scale At present

The student management and science and technology innovation education in China are promoted in a coordinated way. The main focus is on the pilot practice stage. Although some universities adopt the form of collaborative training education, they have not fully implemented the scientific and technological innovation education and student management. The overall management of the work is still mastered by the organization and management departments of the universities. Therefore, from the perspective of educational development, the education of science and technology innovation in China and the management of students are in the initial stage of education practice. Because of this, there is still no clear standard in the content of education management and the control of management authority. In order to improve the effectiveness of collaborative education practice, colleges and universities should further decentralize the management authority of students, improve the participation of science and technology innovation education in student management, strengthen the cultivation of students' self-management learning ability, so that the cooperative education mechanism of student management and science and technology innovation education can be fully implemented.

3. DISCUSSION

The strategy and path of the cooperative development of the management of college students and the education of scientific and technological innovation in the new era

(1) The educational management concept of innovation and collaborative development The management concept determines the development direction of management. Therefore, the innovation of daily management of college students in the new situation needs to focus on the innovation of management concept. In this respect, the institutionalized and compulsory management philosophy that colleges and universities have always been adhering to is not entirely without merit. On the contrary, "no rules and regulations are not perfect", and the necessary rules and regulations management in Colleges and universities is indispensable. Based on this, the innovation of management concept requires the university to explore the organic combination of institutional management and humanistic management, that is, to play the restraint role of the system, integrate the humanistic management concept into it, increase the humanistic management content, so as to improve the humanity of students' daily management. To achieve this, all the staff members of the University who participate in the daily management of students should establish the working concept of "student-centered", put their roles in order to actively study the theory of humanistic management expertise, explore the path of humanized management methods, so as to better reflect the humanistic care for students in their daily management, And then make the management work more temperature.

(2) Establish the standard of standardized and collaborative education management

The establishment of standardized management standards of collaborative education is helpful to unify the work of students management and scientific and technological innovation education in

Colleges and universities, so that the cooperative education can always keep the management and education synchronous. The establishment of the management standard of collaborative education should be made from the perspective of long-term promotion of student management and the systematic development of science and technology innovation education. For the long-term promotion of college students management, the collaborative education standards should take into account the management problems of students in different periods, and use management strategies scientifically according to the causes of the problems. For example, in view of the problems of students' lack of enthusiasm or management awareness, colleges and universities need to strengthen the analysis of the factors that affect the problems, improve the knowledge education of scientific and technological innovation and strengthen the consciousness of students' management participation in the current form of education management. For the systematic development of science and technology innovation education, we should focus on the improvement of the management system of science and technology innovation education, ensure that science and technology innovation education can provide necessary educational assistance for students' management, constantly strengthen positive guidance to students, make the application standard of collaborative education management in Colleges and Universities be formulated, and can be applied to science and technology innovation education and student management.

(3) Integrating the management of college students and the education of scientific and technological innovation In the teaching of Chinese universities, the school puts forward the teaching concept of "student-oriented", which takes students as the core of science and technology innovation education. In the current education and teaching, colleges and universities require teachers to set up the correct values in daily classroom teaching, and to guide students from the teaching of teaching. Of course, higher education is to serve students, so students are the main body of education and teaching. Especially in the school management, the traditional student management is mainly compulsory measures, and the students are in a passive position, so the management effect of colleges and universities is not good. Therefore, we need to actively guide students, improve their initiative, let students start from self-restraint, turn passive to active, and consciously play their own autonomy, then the quality of student management can be improved as a whole. Because the purpose of implementing education and teaching in Colleges and universities is to train high-quality talents for the society and to serve the society, so the science and technology innovation education is one of the essential learning contents of college students. Colleges and universities should constantly improve and improve the content of science and technology innovation education and teaching, and update the teaching materials in time, Let the content of science and technology innovation education and teaching keep pace with the times. In order to further improve the role of science and technology innovation education in the management of college students, colleges and universities should use information technology in daily management, change the traditional management mode by using it, provide more free space for students, and also make the management of college students intelligent and information oriented, and at the same time, the space of science and technology innovation education should be expanded. The implementation of information technology management in Colleges and

universities can master the initiative through network management, and also promote the promotion of scientific and technological innovation, which has a significant impact on students.

(4) Build a new and effective platform for education management and promote the diversification of scientific and technological innovation education methods. The rapid development of Internet provides a new position and platform for the university students' scientific and technological innovation education, and promotes the diversification of teaching and management methods in Colleges and universities. Various new information technology and media break the shackles of talent training in time and space, and provide students with The open, three-dimensional, more intuitive teaching platform, living environment and development conditions, more smooth and fast communication channels and more extensive and diversified means of educating people strengthen the real-time nature of university management and science and technology innovation education, and provide carrier support for the effective coordination of the two. Therefore, the educators in Colleges and universities start from the following three aspects:

① we need to foster a strong sense of information service, set up a new concept of network technology innovation education in the new era, explore new problems and new methods brought by Internet plus education, and actively study the development of the integration of traditional advantages of technological innovation education with new media and new technologies, so as to meet the new requirements of the information age for the innovation and education of University and students.

② we need to make full use of various network technologies, build digital and interactive education management and publicity platform, change the role orientation of the fixed communicators and receivers of both parties of information through the interaction of emerging media, especially through the promotion and use of class work platform, and create a point-to-point interaction between management service department and students;

③ to understand and implement the educational and teaching approaches in Colleges and Universities under the new media environment, to deal with the persistence and contingency, selection and transformation, inheritance and innovation of the educational logic in the information age from the real space to the network space, to strengthen the Internet thinking ability and action ability of students' management and science and technology innovation education, and to improve the communication depth and breadth between them and college students.

4. RECOMMENDATIONS

The management concept of students has been changed, students are the main body of management, and the students' initiative is mobilized. Through the form of students' independent participation, students' self-management ability can be improved. During the specific implementation, through the infiltration of science and technology innovation education content in daily life management and classroom management, students can be guided to have correct ideas. Therefore, the school has strengthened the integration of science and technology

innovation education and student management, and attached importance to the role of counselors in student management, and improved the effect of science and technology innovation education in student management as a whole.

The collaborative practice of students management and science and technology innovation education in Colleges and universities is beneficial to better cultivate the self-management consciousness of college students, and has a positive role in improving the ability of university education management. It is an indispensable and important component of the development of higher education in the future, which can form a complete education closed-loop for the teaching of education management and science and technology innovation, It will create new opportunities for the development of university management and the promotion of science and technology innovation education in the following stage.

REFERENCE:

- [1] Zhang Yi, Huang Jing. Exploring the student management methods of college counselors under the new situation [J]. Modern communication, 2020 (10): 140-141
- [2] Zhang Guoli. Analysis of the current situation of college student management and suggestions for improvement under the new situation [J]. Science and technology horizon, 2020 (01): 114-116
- [3] Wang Danqiu. Innovation of College Students' daily management under the new situation [J]. Knowledge seeking guide, 2015 (07): 98-99
- [4] Shi Xibing. Innovation of student management mode in local colleges and Universities under the new situation [J]. Today's China Forum, 2013 (01): 118-119
- [5] Li Yongshan. On the professional scope of College Counselors' management professional ability -- Based on the analysis of "College Counselors' professional ability standard (Provisional)" [J]. Ideological education research, 2018 (11): 131
- [6] Ministry of education of the people's Republic of China. Regulations on the management of college students [EB / OL], (2017-02-16) [2019-6-25] http://www.moe.gov.cn/srcsite/a02/s5911/moe_621/201702/120170216_296385.html.
- [7] Yang Xiaolei, Li BAOYING. System construction and overall optimization of college student work system [J]. Journal of systems science, 2017 (1): 81
- [8] Wang Meng. On the innovation strategy of College Students' daily management under the new situation [J] public relations world (theoretical Edition) 2019.02:127-128
- [9] Duan Cuiying. Research on collaborative education of college student management and ideological and Political Education [J]. Journal of Hubei open vocational college, 2020 (33) 76-77

[10] Yang Lai. Research on the infiltration of Ideological and political education in college student management [J]. Higher education research 2020 (36) 178-179

[11] Research on the coordinated development of College Students' management and ideological and political education from the perspective of Ning Xiansheng. Lide Shuren Journal of systematic science 2020 (11) 61-64

[12] Li Lianghua. The practical path of innovation in college student work from the perspective of collaborative education [J]. Journal of Chengdu Normal University, 2014,30 (11): 9-12

[13] Zhang Qing, Zhang Bo. Research on collaborative education mechanism of Ideological and political education in Colleges and universities [J]. Party construction and ideological education in Colleges and universities, 2017 (23): 29-32