

# Research on the Role of Ideological and Political Education on the Cultivation of Innovative Talents under the Threshold of Systemic Theory

Ying Tang<sup>1, \*</sup>

<sup>1</sup>*School of Marxism, Chongqing Technology and Business University, Chongqing 400067, China*

*\*Corresponding author: 1366876724@qq.com*

**Abstract:** *The first driving force for achieving high-quality development is innovation, and the root of innovation lies in talents, especially high-quality innovative talents with both virtues and talents. Cultivating high-quality innovative talents is not only the goal of socialist education in China, but also the need to adapt to national development and promote social progress. In the systematic project of cultivating innovative talents, ideological and political education plays an irreplaceable central role, which can strengthen the value leadership of innovative talents and promote the development of their thinking; it can shape the excellent personality of innovative talents and enhance their moral level. In order to give full play to the role of ideological and political education in the cultivation of innovative talents in the new era, we must adhere to the main channel of ideological and political education based on the ideological and political curriculum, vigorously implement the new concept of curricular ideological and political education, effectively consolidate the new position of online ideological and political education, and deeply integrate the new platform of innovative and entrepreneurial education.*

**Keywords:** *ideological and political education, innovative talents, cultivation role, system theory*

## 1. Introduction

The cultivation of innovative talents is an important value of the cultivation of talents in universities in the new era, which is of great significance to cultivate students' growth and success, promote their all-round development and lead them to serve the society. Since "the 1980s, when ideological and political education became an important research field in social science" [1], the academic circles have been exploring ideological and political education, and have been conducting continuous and in-depth researches on the role, methods and paths of ideological and political education for talent cultivation, and the cultivation of innovative talents has become an increasingly popular field. The cultivation of innovative talents has also become an area of considerable interest. Since the 18th Party Congress, the Party Central Committee, with Comrade Xi Jinping at its core, has attached great importance to innovation and the work of innovative talents, and General Secretary Xi Jinping has made a series of important speeches and statements on various occasions on achieving innovative development and promoting the cultivation of innovative talents. For example, in May 2016 and March 2018, at the National Conference on Science and Technology Innovation, the Conference of Academicians of the Two Academies of Science and the Ninth National Congress of the Chinese Association for Science and Technology, and when attending the deliberations of the Guangdong delegation at the First Session of the 13th National People's Congress, respectively, he stressed the need to adhere to the principle of "discovering talents in innovation practice, nurturing talents in innovation activities, and gathering talents in innovation undertakings" [2], further clarifying that "development is the first priority, talent is the first resource, and innovation is the first driving force." [3] In the new era of socialism with Chinese characteristics, innovation has long become the first driving force to lead high-quality economic and social development. "Innovation-driven is essentially talent-driven" [4], because talent is the root of innovation, and talent resources are the most active, positive and core factors in innovation practice activities. If there is no outstanding talent as a prerequisite, then innovation is like water without a source or wood without a foundation, and it is simply impossible to talk about it, let alone become a reality.

The world today is undergoing a major change unprecedented in a century, and against the backdrop of such a complex and uncertain international relationship, innovation has become the key to maintaining national security and stability and promoting national development and progress. The Fifth Plenary Session of the 19th CPC Central Committee clearly proposed to "adhere to the central position of

innovation in the overall situation of China's modernization, make science and technology self-reliance and self-improvement as the strategic support for national development, face the world's scientific and technological frontier, the main battlefield of the economy, the country's major needs and people's life and health, and thoroughly implement the strategy of science and education, the strategy of strengthening the country with talents and the innovation-driven development strategy. "We should strengthen national strategic scientific and technological forces, enhance the technological innovation capacity of enterprises, stimulate the innovative vitality of talents, and improve the institutional mechanism of scientific and technological innovation." [5] This has not only put forward new and higher requirements for the cultivation of innovative talents, but also made a series of arrangements for measures to promote the cultivation of innovative talents. Therefore, in the new era, we should give full play to the guiding value, motivating value and guarantee value of ideological and political education, lead practitioners from all walks of life to consciously correct their innovative orientation, lay the foundation of innovation with care, strive to shape innovative personalities, strengthen the cultivation of innovative qualities, actively create an innovative environment and vigorously promote innovative practices, so as to effectively cultivate a group of newcomers of the times who are truly capable of taking up the great task of national rejuvenation. "Accelerate the formation of a large scale, innovative and risk-taking innovative talent team" [6] to provide talent support and a strong boost to continuously push forward the new journey of building a strong socialist modern country that is rich, strong, democratic, civilized, harmonious and beautiful and to promote the realization of the Chinese dream of the great rejuvenation of the Chinese nation.

## **2. Innovative talent development is a systematic project**

Cultivating innovative talents cannot be achieved by merely chanting slogans, but by putting in a lot of effort and making real efforts. We should recognise that the development of innovative talent is not an easy task, but a systematic project that requires the concerted efforts of the government, society and schools. To put it in perspective, the growth of innovative talent requires the right "soil" and environment. It is only on this basis that the cultivation of innovative talent can become a reality, as the saying goes: "In order to nurture new talent, first cultivate fertile soil". Thus, a country and society that wants to nurture innovative talent must first strive to create an institutional and cultural environment that is conducive to the bursting forth of all kinds of innovative potential. In addition, education and schools, which aim to nurture innovative talents with a moral mission, should go deeper and do something about it, exploring a set of educational models and institutional mechanisms that are conducive to the cultivation of innovative talents. In fact, the cultivation of innovative talents through school education is also a sub-small-scale systemic project. Whether it is natural science education with an emphasis on craftsmanship, humanities education with a focus on personal integrity, or entrepreneurship education with a focus on innovation, all can contribute to the development of innovative talent to varying degrees. However, it must be noted that "ideological and political education plays a central role in the cultivation of innovative talents" [7]. Ideological and political education can lead innovative talents to form, establish and practice a correct world view, outlook on life and values, and has an irreplaceable and important position in the systemic project of cultivating innovative talents in schools.

## **3. Ideological and political education plays an important role in the cultivation of innovative talents**

The cultivation and refinement of innovative talents cannot be achieved without the function of ideological and political education to establish moral education and the watering of the dew of ideological and political education. Ideological and political education has an important role in the cultivation of innovative talents, including the following aspects.

### ***3.1. Reinforcing value leadership***

The only way to find the right direction of innovation is to correct the orientation of innovation; the only way to protect the root of innovation is to lay a good foundation of innovation. In the activities of cultivating innovative talents, whether it is ideal and belief education as the core of ideological and political education, or patriotic education as the focus of ideological and political education, all have a common value point, that is, to cultivate innovative individuals "to know what kind of worldview is a scientific worldview, what kind of outlook on life is a meaningful outlook on life, and what kind of values are the right values" [8]. In other words, it is to strengthen the value leadership of innovative talents through ideological and political education. Innovative talents cultivated in the context of the socialist

market economy system are supposed to establish a correct worldview, outlook on life and values, always firmly hold the lofty ideals of communism and the common ideals of socialism with Chinese characteristics, vigorously promote the core values of socialism and the concept of collectivism, and consciously and independently contribute to the continuous adherence to and development of socialism with Chinese characteristics. Specifically, through ideological and political education, innovative talents should be helped to form correct ideals and beliefs, establish a code of values consistent with the correct ideals and beliefs, understand and evaluate things, analyse and deal with problems, and choose attitudes and behaviours in the social practice of understanding and transforming the subjective and objective world; guide innovative talents to learn to establish long-term goals and insist on unremitting struggle in unifying personal development with social development; and guide innovative talents to actively comply with national laws and regulations. Guiding creative talents to abide by national laws and regulations and social order and morals, and to create and realise their own value in life on the premise of being a qualified social citizen. To sum up, the political and moral qualities of innovative talents should be improved through ideological and political education, so as to ensure their correct political orientation, human attitude and value orientation, and then guide them in the right direction for their innovative and creative activities, so that they will always follow the direction required by the development of socialist society, and make the concrete results of these innovative and creative activities continuously benefit humanity and promote social progress.

### ***3.2. Facilitating thought development***

Thinking determines thinking and thinking determines the way out. If you are an innovative person, it is only natural that you have the ability to think creatively. Without the enlightening development of thinking, the prospective innovator is always a long way from being a true innovator. In the training of innovative talents, the cultivation and development of innovative thinking is particularly important. Only with the full use of ideological and political education to develop the human thinking function, can the prospective innovative talents, based on the premise of the objective world, give maximum play to their subjective initiative, and through the reasonable transformation of their own subjective world, improve the subjective consciousness, and more actively participate in the social practice activities of understanding and transforming the objective world. The emphasis of ideological and political education on the development of innovative thinking of prospective creative talents is not to break through the objective laws, of course, in fact, it is never possible to break through the objective laws, but to adhere to the organic unity of respecting the objective laws and giving full play to the subjective initiative, not only in respecting the objective laws to play the subjective initiative of people, but also in playing the subjective initiative of people to practice the objective laws, according to the objective laws. By strengthening the ideological and political education of prospective innovators, we will dig deeper into their inner potential and fully develop the highest level of their potential, that is, their creative spirit and innovative consciousness. Everyone has unlimited potential, and everyone is a potential high quality innovative talent. The key to whether a person can eventually become a high-quality creative talent lies in whether his or her inner potential can be fully explored, which is indeed difficult but also important. This is even more important for the cultivation of high-quality scientific and technological innovative talents with modern awareness, modern vision and modern ability. Therefore, ideological and political education in the new era should be based on the development of the country, the requirements of the times and the needs of society, and take the initiative to strengthen and promote the development of the minds of prospective innovative talents, cultivate them to become the pillars of the country and the elites of society, and provide strong talent support and powerful innovative power to promote China's new journey towards a comprehensive socialist modern country.

### ***3.3. Building good character***

Having a sound and excellent personality can only produce positive values. Shaping an excellent personality is an important guarantee for cultivating innovative qualities and making the direction of creative development of innovative talents unbiased and the momentum undiminished. General Secretary Xi Jinping pointed out at the National Conference on Ideological and Political Work in Universities that "ideological and political work is fundamentally the work of doing people." [9] Ideological and political education is of great significance to the shaping of innovative personalities, and can provide a strong impetus for cultivating and shaping the excellent personalities of innovative talents. Ideological and political education firstly teaches individuals innovative knowledge and innovative methods with the help of classroom curriculum teaching or social practice teaching, laying the foundation for the shaping and formation of their innovative personalities and helping them to grow into innovative talents. Secondly,

ideological and political education is conducive to cultivating a positive attitude of innovative talents, guiding them to face disappointment without getting bogged down, face failure without getting discouraged, learn to tolerate failure, allow trial and error, form a good mindset of abandoning impatience and being practical and innovative, correctly analyse the causes of failure, and continue to summarise experience and learn lessons in useful exploration and experimentation, and continue to carry out innovative practice until finally achieving innovative success. The success of innovation. An upward-looking attitude can also promote the need for higher levels of innovation, maintain motivation and enterprise, establish a strong will and perseverance, give them great motivation to innovate, better stimulate their creative potential, and be brave and adept at overcoming various difficulties along the way. Once again, ideological and political education is conducive to cultivating the practical exploration ability of innovative talents, guiding them to always remain curious, never stop asking questions about the world and thinking about life, driving them to take the initiative to explore the inner laws of things, and to explore the truth and find themselves in the constant practice of innovation. Finally, ideological and political education is also conducive to nurturing the independent personality of innovative talents, which will enable them not to follow the old ways and stick to the rules in their innovative practice activities, but to dare to innovate and be brave. It is only when more and more high-quality innovative talents emerge that we will be able to successfully transform from an innovative nation to an innovative power. In a nutshell, excellent innovative talents must not be without an excellent personality.

### ***3.4. Promoting ethical standards***

A higher level of morality is an essential quality for innovative people. The cultivation of high quality innovative talents is itself embedded in Marxist anthropological theory, especially that part of it which deals with the idea of the all-round development of the human being. The all-round development of the human being naturally involves the all-round development of human qualities and abilities, which inherently includes ideological and political qualities, moral qualities, personality qualities, creative qualities, intellectual and physical qualities, and so on. It is indisputable that with the reform and opening up of the market economy, globalisation and the "liberalisation" of the Internet environment and bourgeois values have followed, which have had a great impact on the original values of the Chinese people and have to some extent weakened the effectiveness of ideological and political education in cultivating the values of creative talents. The direct negative effect of this is that individualism, utilitarianism, egoism and money-worship have become so prevalent in the social sphere that some acts of social, professional and personal ethics do not occur from time to time. Imagine if those innovative individuals also hold such distorted values, emphasise profit maximisation, regard money as the yardstick of everything, and put personal interests above everything else, can their innovations be used to benefit others, society, the state, the nation and even humanity? The obvious answer is no. If some unscrupulous people get hold of the latest modern science and technology, they may even bring heavy or even devastating disasters to human society. Therefore, through ideological and political education, we should regulate the behaviour of innovative individuals or innovative talents, including moral and legal discipline norms, helping them to develop good moral habits by using social moral norms as the standard, and requiring them to establish legal awareness by using legal discipline norms as the criterion, so that they can consciously be good citizens who know the law, understand the law, respect the law, abide by the law and protect the law, and then on this basis, continuously strengthen their knowledge, constantly. Then, on the basis of this, they should continue to strengthen their knowledge, expand their horizons and perspectives, strive to cultivate innovative qualities, and effectively strengthen their innovative and creative abilities, so as to truly seek a future for the development of the country and create welfare for the progress of society. In short, to enhance the moral level of innovative talents through ideological and political education is not only to meet the requirements of healthy, long-term and sustainable development of the country, but also to meet the needs of their healthy personal growth.

## **4. An effective way to bring into play the role of ideological and political education for the cultivation of innovative talents in the new era**

The new era implies new changes, new developments and new characteristics, and there will also be new requirements, new goals and new tasks. But one of the most important points is that today, "we are closer to the goal of the great rejuvenation of the Chinese nation than at any other time in history, and more confident and capable of achieving this goal than at any other time in history" [10]. Achieving the Chinese dream of the great rejuvenation of the Chinese nation ultimately requires people, especially a large number of highly qualified innovative talents with innovative thinking, innovative qualities and

innovative abilities, to accomplish it. Therefore, it is necessary to continue to adhere to and further strengthen ideological and political education in the new era, so as to cultivate young students as high-quality innovative talents and as qualified builders and reliable successors of the socialist cause with Chinese characteristics. Specifically, this can be done in the following ways.

#### ***4.1. Adhere to the main channel of education based on the Civics curriculum***

Strengthening the education of ideological and political courses is always the main channel for universities to implement the fundamental task of establishing moral education and cultivating high quality and innovative talents. In the new era of development requirements, it is more important to adhere to the actual thought of contemporary college students, improve and innovate in various aspects such as education content, education method, education mode, education carrier and education thinking, so that the ideological and political education in colleges and universities can nurture wisdom and shape morality, cultivate the body and correct behavior, and add bricks and contribute to the cultivation and creation of high-quality innovative talents. Firstly, we should update the content of education in time. In the 21st century, a knowledge-based economy with intellectual resources and high technology as the pillar, social information has been developed and widely disseminated like never before. While university students are able to quickly acquire a large amount of new knowledge and information, they will more or less appear to be at a loss in coping with it. For this reason, ideological and political education must keep abreast of the times, update the content of education in a timely manner, adhere to the unity of scientific and ethical content, the unity of national and global, and focus on "combining world-oriented scientific creation and human-oriented ethical concern, combining the major choices of social development with China's history and reality, and combining the great rejuvenation of the Chinese nation with the process of globalisation of the world economy". The majority of students will be able to establish the correct outlook on the three concepts through subtle education. Secondly, we should accelerate the improvement of education methods. Proper educational methods and approaches are an important prerequisite for effective education. In the process of promoting ideological and political education for the cultivation of innovative talents, teachers should fully respect the main position of students, change the past method of ideological and political education of single lecture and indoctrination, focus on the combination of classroom and off-class teaching, theoretical teaching and practical teaching, knowledge teaching and work and life teaching, effectively solve the outstanding problems in the ideological and political education of college students, fully mobilize students' learning enthusiasm, and comprehensively To enhance students' independent innovation spirit and practical exploration ability. Thirdly, the education mode should be constantly enriched. According to the actual situation of different groups of students in different majors, we should explore a variety of education models, so as to improve the effectiveness of ideological and political education by teaching students according to their different abilities and materials. Fourth, we should actively expand the education carrier. Learn to organically integrate modern science and technology into the ideological and political course education, and constantly expand the carrier of strengthening the ideological and political education of college students. Fifth, we should reasonably innovate our educational thinking. Only if the teachers' educational thinking first keeps pace with the development of the times, can they really educate and lead students to keep pace with the times, learn at the forefront of the times, walk at the forefront of the times and innovate at the forefront of the times. In short, we should not only adhere to the main channel of cultivating students to become adults based on the Civic and Political Science curriculum, but also constantly innovate the methods and paths of ideological and political education to promote the cultivation of innovative talents.

#### ***4.2. Vigorously implementing the new concept of Curriculum Civic Education***

To vigorously implement the new concept of Curriculum Civic Education and give full play to the role of "Curriculum Civic" and "Civic Curriculum" in educating people is an important guarantee to promote the realization of the goal of establishing moral education in colleges and universities and to promote the cultivation of high quality and innovative talents. It is an important guarantee for the cultivation of high-quality and innovative talents. "The two are dialectically unified in the theory and practice of ideological and political education in universities in the new era. In order to make ideological and political education for the cultivation of innovative talents truly effective, the relationship between "curriculum thinking politics" and "thinking politics course" must be properly dealt with, and it is necessary to fully understand the special status of "thinking politics course" and "thinking politics course". "The special status and unique value of the "course of thought politics", and the organic integration of the "course of thought politics" model leading role and the "course of thought politics" The role of the "Civic Studies Course" as a model and leader and the "Civic Studies Course" as a useful supplement.

Only by always keeping the "thinking and politics course" and "thinking and politics in the curriculum" in the same direction, forming a synergistic effect and playing a synergistic role, can we actively mobilize all the resources inside and outside the school to educate people, truly let the fundamental task of establishing moral education fall into place, go deeper and more practical, and effectively promote The first thing is to focus on the "ideological and political education" to help cultivate innovative talents and achieve results. First, we should pay attention to the role of the "Civic and Political Science Course" as a model and leader in the cultivation of people with moral character. In the practical process of ideological and political education to help cultivate innovative talents, the traditional classroom education based on the ideological and political curriculum should still be the first priority in view of the realistic conditions. Secondly, we should pay attention to the useful complementary role of "curriculum thinking politics" in cultivating people's moral character. The "course of thought politics" useful complementary role, is to build a full, full, full course of education pattern in the form of vigorously strengthen the "thought politics course" outside of other types of courses teachers ideological and political education work awareness, consciously in thought and action with the "thought politics course". They will consciously walk in the same direction as the "Civic and Political Science Course" and insist on doing a good job in the ideological and political education of students with a high degree of enthusiasm and a serious and responsible attitude. Innovation and entrepreneurship education is also a professional course, so it should also make full efforts and make a difference in the process of promoting the cultivation of innovative talents. Thirdly, we should pay attention to the powerful synergy of the "Civic and Political Science System" in cultivating people's moral character. We should insist on the mutual promotion and organic integration of "thinking and politics courses" and "curriculum thinking and politics", and strive to build a "thinking and politics system" to promote the high-quality development of ideological and political education work and provide a strong impetus for the cultivation of innovative talents. This will provide a strong impetus for the cultivation of innovative talents.

#### ***4.3. Opening up and consolidating new positions for online ideological education***

In recent years, with the booming development of big data, cloud computing, artificial intelligence and 5G technology, the Internet has gradually touched every aspect of people's lives, and while it has brought many changes and convenience to people, it has also brought a lot of negative effects. On the one hand, the Internet has enriched and expanded the channels and ways for students to learn knowledge, but on the other hand, the various erroneous values and social trends gathered on the Internet have also induced undesirable and powerful impacts on the values of students, bringing new and serious challenges to the traditional classroom teaching mode of ideological and political education in colleges and universities, and posing new challenges to The traditional classroom teaching mode of ideological and political education in colleges and universities has posed new and higher requirements for ideological and political educators. However, as innovative talents or to cultivate innovative talents, it is inevitable to learn and master the most cutting-edge science and technology of human society, which means that there is no way and no way to avoid the negative influence of the Internet directly. Therefore, universities should focus on building a network of data resources for ideological and political theory courses, try to create high-quality online public courses, and take the initiative to open up new positions of online ideological and political education. At the same time, the majority of teachers and workers should firmly adhere to and make good use of the traditional main position of ideological and political education based on classrooms, teaching practice bases and tangible educational carriers such as radio, television and newspapers, and consciously strengthen their mastery and skillful use of the Internet and new media technology, so as to occupy and consolidate the new position of online ideological and political education and insist on The combination of "real position" and "virtual position", using the Internet as a virtual education carrier, increasing the amount of ideological and political education information, opening up new space for ideological and political education, guiding students to establish a civilized Internet, green Internet, the correct network of the Internet according to the law This will enable students to stay awake at all times in the virtual world and achieve a real collision of ideas, thus effectively improving their cognitive level and discriminatory ability, as well as strengthening the cultivation of their innovative ability.

#### ***4.4. New platform for deep integration of innovation and entrepreneurship education***

Innovation and entrepreneurship education and ideological and political education are two of the most important and crucial sub-projects of the system project of cultivating innovative talents. The focus of ideological and political education is to find directions, set goals, rationalise ideas and find methods for students and other innovative individuals, while the focus of innovation and entrepreneurship education

is to enrich the professional knowledge of students and other innovative individuals through professional education, guide them to actively engage in the practice of innovation and entrepreneurship to continuously improve their professional abilities, and then encourage them to carry out their own innovation and entrepreneurship creation under the premise of having the appropriate conditions. Then, on the premise of having the appropriate conditions, encourage them to create their own innovation and entrepreneurship. Only by insisting on the deep integration of ideological and political education and innovation and entrepreneurship education, collaborating with each other and going in the same direction, it is possible to cultivate high-quality innovative talents with both virtues and talents. Specifically, managers of universities in the new era should attach great importance to the cultivation of innovative talents and the reform of innovation and entrepreneurship education, based on the development needs of the country and society and the actual situation of schools, formulate appropriate rules and regulations, and further improve and optimise student training programmes and curriculum systems. We may consider adding some necessary courses on innovation and entrepreneurship education, but we should pay attention to the supervision and management of the whole education implementation process, strengthen the modern logistics service, and strictly implement the concept of "management educates people, system educates people, and service educates people". At the same time, we should attach great importance to the selection and inspection of the teaching staff of innovation and entrepreneurship education, so as to put those teachers who really understand innovation and entrepreneurship, who are interested in teaching innovation and entrepreneurship and who have high socialist sentiments into suitable positions. For the tutors of innovation and entrepreneurship education, they should effectively perform their duties of teaching by example, respecting the students' subject status and personality development, based on the actual situation of students, teaching students according to their interests and abilities, giving students a wider space and more opportunities to develop their innovative potential, so that students' innovative thinking and innovative ability can be cultivated, exercised and improved. In addition to teaching students about innovation and entrepreneurship, we must also focus on humanistic education for students, effectively strengthen the "three views" education for students and guide them to establish a correct world view, outlook on life and values. Only in this way can we ensure that students can form a more systematic and reasonable knowledge structure, meet the needs of their personality development and the cultivation of their innovative abilities, and also promote the perfection and all-round development of their personalities, strive to be the pillars of the country and the elite of society, and consciously integrate into and serve the great task of achieving the great rejuvenation of the Chinese nation.

### Acknowledgements

This paper was supported by 2021 Innovative Research Projects for Postgraduates in Chongqing Technology and Business Universities (Research on the Theory and Practice of Ideological and Political Education of College Students in the Century of the Communist Party of China yjscxx2021-112-97).

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