

Promoting the Construction of Scientific and Technological Innovation System in Universities with the Guide of the Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era

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Abstract

The construction of scientific and technological innovation system in universities depends on stimulating the vitality of science and technology and promoting the development of science and technology. Therefore, we must find out the outstanding problems in the development of scientific and technological innovation in Universities. Following the Guide of the Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, we should promote the construction of scientific and technological innovation system in Universities from five aspects: innovative idea, innovative system and mechanism, innovative platform construction, innovative human resources development and evaluation of innovative achievements.

Keywords

Innovation; the Construction of Scientific and Technological Innovation System in Universities; the Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era

Preface

General Secretary Xi Jinping stressed at the 19th Academician's Congress of the Chinese Academy of Sciences and the 14th Academician's Congress of the Chinese Academy of Engineering: "The reform of the scientific and technological system should dare to bite the hard bone, dare to involve in dangerous beaches and break through difficulties, and break through all ideological barriers and institutional barriers that restrict scientific and technological innovation." The so-called "poverty changes, changes in communication, general rule for a long time".

Scientific research relies on innovative passion and creativity. As the frontier of national scientific research, colleges and universities in the new era are facing new situations, new situations and new requirements. They should not only promote scientific and technological innovation, but also promote the innovation of scientific and technological management system, liberate human creativity from unreasonable financial management, talent evaluation and other institutional constraints, and constantly break down the obstacles in the system and mechanism. To liberate and stimulate the great potential of science and technology as the first productive force. Technological innovation is endless, and the reform of science and technology system is always on the road. The construction of scientific and technological innovation system in Colleges and universities is an important part of exploring the sustainable development of colleges and universities in the new era.

The prominent problems in the management of scientific and technological innovation in Universities

Through research and development, it is found that scientific and technological cooperation among the government, enterprises and universities has shortened the period of technology transfer and transformation, and promoted the application of technology. As the main undertaker and implementer of scientific and technological cooperation and development, universities have played an important supporting role in national scientific and technological innovation, which is conducive to giving full play to the advantages of discipline cluster and promoting scientific and technological cooperation and innovation. Even so, there are still several prominent problems in the development of science and technology in universities and colleges in China.

The technology management system needs to be improved and standardized.

Some universities are backward in management concepts, unscientific in management methods and methods, fail to follow up the construction of scientific and technological management system, fail to adhere to the implementation of scientific and technological management system, fail to meet the requirements of the times, and fail to meet the management needs of scientific and technological work.

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There is conflict and competition between research and teaching.

The management of disciplines and departments in university teaching makes teachers with limited energy tired of the balance between teaching and scientific research. The advantages of scientific research need to be integrated, especially the accounting of teaching workload and scientific research workload.

Lack of guidance and lack of motivation in the transformation of scientific and technological achievements.

Acceptance of scientific and technological achievements is not equivalent to transformation and application. Scientists in Colleges and universities do not understand the market demand, lack of transfer and transformation platform of scientific and technological achievements, lack of innovation of transformation mechanism of scientific and technological achievements, lack of necessary guidance and appropriate incentives, so that scientific and technological achievements are put on the shelf.

Promote the construction of scientific and technological innovation system in Universities in the new era.

The report of the Nineteenth National Congress of the Communist Party of China clearly requests that "the whole Party should have a profound understanding of the spiritual essence and rich connotation of the Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, and implement it comprehensively and accurately in all its work." The reform and development of Universities must comprehensively and accurately implement the Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, and integrate the reform and development of colleges and universities, including the construction of scientific and technological innovation system, into the strategic deployment of the Party Central Committee. To strengthen the construction of science and technology innovation department in Universities, we should not only use the Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era to guide the construction of scientific and technological innovation system in Universities, but also implement the Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era in all aspects of the construction of scientific and technological innovation system in Universities.

At present, the representative academic viewpoint is that the university innovation system should include five characteristics: the combination of inheritance and creation, the combination of teaching and scientific research, the combination of education and development, the combination of science and technology, and the combination of science and technology and humanities. New organization, innovative infrastructure, innovation team, operation mechanism of innovation system and innovation environment. Correspondingly, there are many scholars' research results in the system of scientific and technological innovation in Colleges and universities. After

careful study, the author believes that the system should include at least five basic elements: innovative concept, innovative system and mechanism, innovative platform construction, innovative human resources development and evaluation of innovative achievements.

The core of the overall development of the country lies in scientific and technological innovation.

Since the Eighteenth National Congress of the Communist Party of China, General Secretary Xi Jinping has attached great importance to innovation, put innovation at the core of the overall development of the country, and has become the guideline and methodology for the construction of scientific and technological innovation in Universities in the new era. In every innovation, the idea of innovation plays an important leading role. To promote the construction of scientific and technological innovation system in Colleges and universities, first of all, we should innovate ideas, following the Guide of the Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, put scientific and technological innovation at the core of the overall national development, and combine it with scientific and technological innovation work in Universities organically, endow it with new connotation and extension, and run through innovative ways. Innovation, content and means of innovation.

Innovate the system and mechanism, eliminate all the ideological obstacles and system barriers that restrict the innovation of science and technology.

General Secretary Xi Jinping made a request at the 19th Academician's Congress of the Chinese Academy of Sciences and the 14th Academician's Congress of the Chinese Academy of Engineering: firm innovation and self-confidence, avoid quick success and instant benefit, break down institutional barriers, and enhance the overall effectiveness of the national innovation system. In the new era, the construction of scientific and technological management system and mechanism in innovative universities should be guided by the determination and courage to reform and innovate, and the profound reform of scientific and technological system and its related systems should be carried out, so as to start the engine of scientific and technological innovation at full speed.

At the same time, it is necessary to stimulate and protect the innovative conditions of universities and improve their external conditions. Through system design, system innovation and mechanism innovation, academic freedom is encouraged, primitive innovation is advocated, academic evaluation is optimized, and various elements of innovation system are organically combined through system to activate and form joint forces.

Innovation platform construction, unswervingly follow the road of independent innovation with Chinese characteristics.

Only by adhering to independent innovation and unswervingly taking the road of independent innovation with Chinese characteristics, can we get rid of the technological blockade of foreign countries and become self-reliant and self-reliant as soon as possible. We must rely on our own strength to develop science and technology. Independent innovation is the only way to climb the world's scientific and technological peak.

Platform construction is an essential hardware and software environment for scientific and technological innovation activities. With the progress of science and technology, people rely more on various forms of scientific research platforms which are effective carriers of scientific and technological innovation to promote scientific and technological innovation. To promote scientific and technological innovation through the construction of scientific research platforms, we need to implement new development concepts, guide new practices and solve new problems with the socialist ideology following the Guide of the Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, and give full play to the effectiveness of scientific and technological innovation platforms.

Innovate the development of human resources and put the development of human resources in the priority position of scientific and technological innovation.

General Secretary Xi Jinping has always regarded talent as the prerequisite and fundamental support for promoting the development of the Party and the state, and put the development of talent resources at the top of scientific and technological innovation. In order to be in the forefront of the world in science and technology innovation, we must discover talents in innovation practice, cultivate talents in innovation activities, coalesce talents in innovation undertakings, and vigorously cultivate and train innovative scientific and technological talents with large scale, reasonable structure and excellent quality.

Man is the decisive factor in scientific and technological innovation. To cultivate excellent talents, we must adhere to the principle of "people-oriented" and conform to our own factors and development laws. Under the background of the new era, the development of talent resources should not only pay attention to individual growth, but also to team building. The construction of scientific and technological innovation team must focus on the frontier of science and technology, grasp the pulse of the times, and constantly improve innovation ability in practice. Today, with the development of science and technology, every breakthrough in major scientific and technological projects depends on teamwork. To this end, we must innovate human resources development, stimulate the vitality of scientific and technological teams, and actively participate in the implementation of the national strategy of strengthening the country with talents.

Evaluation of innovation achievements, and promote close integration of scientific and technological innovation with economic and social development.

Promoting the close integration of scientific and technological innovation with economic and social development is an inevitable requirement to solve the contradiction between the people's growing need for a better life and unbalanced and inadequate development. This requires promoting the deep integration of science, technology and economic and social development, opening up the channels from strong science and technology to strong industry, strong economy and strong country, releasing innovation vitality through reform, speeding up the establishment and improvement of national innovation system, allowing all sources of innovation to flow fully, and maximizing the strategic guidance and key support of scientific and technological innovation. Use.

The evaluation of innovative achievements is the purpose and result of the operation of scientific and technological innovation in Colleges and universities, the full direction of the comprehensive operation of various elements in the system, and also an important part and embodiment of the scientific and technological innovation system in Colleges and universities. It not only promotes the close integration of scientific and technological innovation with economic and social development, but also reflects the best respect for the work of scientific and technological workers. Its significance lies in driving the operation of the system and revealing the internal logic of the operation of the science and technology innovation system.

Conclusion

The Xi Jinping's thought of socialism with Chinese characteristics in the new era is the latest development of Marxism in China, the Marxism of contemporary China, and the fundamental follow of building socialism with Chinese characteristics in the new era. Universities in China are the Universities under the leadership of the Party and socialism with Chinese characteristics. Only by adhering to the guiding ideology of socialism with the Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, deepening the reform of science and technology system, and steadily promoting the construction of scientific and technological innovation system in Colleges and universities, can we effectively integrate the many resource elements necessary for the development of science and technology. To solve the structural problems of scientific and technological innovation in Universities. The construction of scientific and technological innovation system in Universities has a long way to go.

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