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Research on Innovation of Cooperation Mode Between Private Universities and Enterprises in China in the New Era

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Abstract: In the new era of increasing integration of science, technology and society, innovation has become the core driving force to promote scientific and technological progress and social development. Faced with this challenge, private colleges and universities need to deepen the industry-university-research cooperation with enterprises in order to enhance the ability of independent innovation, enhance the international competitiveness, and promote the common development of science and technology and economy. This paper deeply discusses the important value of industry-university-research cooperation mode in the teaching of private colleges and universities in China, and puts forward a series of effective innovative strategies to provide new ideas and methods for the cooperation between private colleges and enterprises.

Keywords: Under the background of new era; Private colleges and universities; Enterprise; Industry-university-research cooperation mode; Innovate

With the rapid development of science and technology and the deepening of economic globalization, the industry-university-research cooperation between private universities and enterprises in China is particularly important. This mode of cooperation can not only promote scientific and technological innovation and personnel training, but also provide a steady stream of technical support for enterprises, which is conducive to the improvement of the technical level of enterprises, private colleges and universities can also obtain more capital, technology and personnel support, and is conducive to the transformation of research results into actual productivity.

1. The important value of industry-university-research cooperation model in the teaching of private universities in China in the new era

1.1 Help to improve the teaching quality of private colleges and universities

Through cooperation with enterprises, private colleges and universities can get more practical teaching resources that are closer to the reality. These resources not only include a variety of experimental equipment, teaching software and other hardware facilities, but also include real project cases, business data and other teaching materials, which can help students better understand and master theoretical knowledge and improve teaching quality. At the same time, enterprises can provide schools with practical teaching bases and experienced engineers, under the guidance of engineers, students can combine theoretical knowledge with practical operations, facilitate timely solution of problems encountered in practical operations, promote in-depth thinking and innovative exploration, so as to achieve the improvement of professional skills and practical ability.

1.2 Help to enhance the practical ability and employment competitiveness of students in private colleges and universities

Through the cooperation between private colleges and enterprises, it is convenient for students to apply the theoretical knowledge they have learned to practice, deeply understand the teaching content in the class, and improve their practical ability, but also make students better understand the market demand and industry dynamics, so as to prepare for future employment. In the process of

participating in practice, students will encounter various complex problems and challenges, which can encourage them to find ways to solve problems, which is conducive to the cultivation of innovative thinking, and can help students better adapt to market demand and workplace changes, and improve their competitiveness in employment.

1.3 Contribute to the transformation of scientific research achievements

Under the mode of industry-university-research cooperation, universities and enterprises can give full play to their respective advantages, jointly carry out scientific research, and improve the level of scientific research and innovation ability. The capital and technical support of enterprises can help private colleges and universities better carry out scientific research and promote the transformation and application of scientific research results. At the same time, the scientific research achievements of colleges and universities can also provide enterprises with the latest technical support and solutions to enhance the core competitiveness of enterprises, and the two sides are mutually beneficial. This mode of cooperation helps to improve the overall level of science and technology and innovation ability of the country, and provides strong support for economic development and social progress.

1.4 Contribute to the enhancement of social service capacity

Through industry-university-research cooperation, private colleges and universities can better serve local economic and social development. This service is not only reflected in personnel training, but also in the transformation and application of scientific research results. Private colleges and universities can cooperate with enterprises to jointly carry out scientific research projects and promote scientific and technological innovation and industrial upgrading. At the same time, enterprises can transform scientific research achievements into actual productive forces and provide strong support for local economic development.

2. Under the background of the new era, China's private universities and enterprises cooperation mode innovation strategy

2.1 Create a scientific industry-university-research cooperation mechanism

Under the background of the new era, China's private universities and enterprises in the innovation of cooperation mode, need to pay attention to the establishment of cooperation mechanism. At the beginning of cooperation, private universities and enterprises need to formulate scientific and reasonable cooperation content, positioning and objectives, including cooperation areas, mutual investment, risk sharing, and expected results, so as to ensure the effectiveness and sustainability of cooperation. In order to make the cooperation more stable, a cooperation agreement can be signed to establish a stable cooperative relationship and provide legal protection for private universities and enterprises in industry-university-research cooperation. In the process of cooperation, private colleges and enterprises need to hold regular meetings in order to exchange progress, and solve problems quickly through timely consultation when problems arise, so that cooperation can proceed smoothly. At the same time, the two sides should clarify the ways and means of sharing and transforming the results, including the ownership of intellectual property rights, income distribution, etc., so as to stimulate cooperation momentum and promote the promotion and application of the results.

2.2 Pay attention to teaching practice and training of innovative talents

When private colleges and universities adopt the cooperation mode of production, university and research, the proportion of practical teaching should be increased in the curriculum setting, so as to facilitate students to apply theoretical knowledge to practical work, so that students can have a deeper understanding and feeling of the contents of the textbooks, and improve their practical ability, so that they can use the knowledge to solve practical problems, so as to strengthen students' interest in their major. So that students can actively invest in learning and exploration at the same time, it will also make the problem solving ability of students to be effectively improved. When leading students in practice, college teachers need to encourage them to think and solve problems from different aspects, promote the cultivation of innovative thinking, and effectively improve their innovative ability.

2.3 Promoting the transformation of the achievements of industry-university-research cooperation

When adopting the cooperation mode of production, university and research in the teaching of private colleges and universities, it is necessary to consciously promote the transformation of cooperation results, which can transform the scientific research results of colleges and universities into actual productive forces, promote the development of industry, and also benefit the progress of society. Private colleges and universities need to establish good communication with enterprises, jointly develop scientific transformation programs and specific implementation plans conducive to student education and scientific and technological research, and clarify their respective responsibilities and obligations. On this basis, private universities and enterprises need to build a platform for the transformation of results, to provide better channels for the promotion and application of results, to achieve a good integration of resources, to achieve the purpose of complementary advantages, to ensure that the results of industry-university-research cooperation

can be converted into actual products or services in a timely manner.

For example, when the robot engineering major of a private university adopts the industry-university-research cooperation model, it can establish a robot technology research and development center in a joint enterprise, and the two sides can jointly invest resources to carry out cutting-edge robot technology research. For the new technology and new products developed, the two parties can jointly develop promotion plans, clear market positioning, marketing and other activities. In this process, colleges and universities can provide technical and talent support, while enterprises are responsible for product production and marketing, so that college students can have the opportunity to participate in it, have a deep understanding and mastery of the latest technology, but also promote the cultivation of innovation consciousness and the improvement of innovation ability. Universities and enterprises can also jointly establish robot technology exhibition centers or business incubators to provide practical scenarios for the promotion and application of new technologies. These platforms can not only showcase the latest robot technology achievements, but also attract more investment and partners to further promote the industrialization of scientific and technological achievements.

2.4 Enhancing industry-university-research cooperation

Private universities and enterprises should establish long-term and stable cooperative relations to ensure that industry-university-research cooperation can be sustained and in-depth. Private colleges and universities should also strengthen the construction of teachers, improve teachers' scientific research ability and practical experience, and invite experts from enterprises to give lectures or carry out academic exchanges, so as to promote cooperation and common progress among teachers. In teaching, private colleges and universities should appropriately increase the proportion of practical teaching, increase students' practical opportunities, improve students' practical ability and problem solving ability, and grow into talents needed by social development.

Closing remarks

In short, in the context of the new era, in order to achieve good development and cultivate more innovative talents needed by the society, Chinese private colleges and universities need to have a deep understanding of the important value of the industry-university-research cooperation mode in teaching. On this basis, they need to establish a scientific industry-university-research cooperation mechanism, pay attention to teaching practice and training of innovative talents, and promote the transformation of the results of industry-university-research cooperation. Consciously raise the level and quality of industry-university-research cooperation. Only in this way can private colleges and universities better adapt to the needs of social development and make greater contributions to the country's scientific and technological progress and economic development.

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