

Analysis of Artificial Intelligence Talent Training Mode

Ya Wang^{1,2}

¹Shanghai Urban Construction Vocational College, Shanghai 201415, China

²Suqian Xinxu Internet Co., Ltd., Suqian 223800, China

Abstract

In the new era, the cultivation of AI professionals has become a key issue in the school education system. From the reality of the development of education in China, local colleges and universities should grasp the problems and puzzles in the training process of AI professionals, and create a talent training model that takes teaching objectives as the guide, school enterprise cooperation as the basic form, and market demand as the practical guidance by changing the training method of AI professionals and promoting the integration of industry and education, innovative development and other ways, Let students improve their learning ability in the process of learning. On the basis of improving the training system of artificial intelligence professionals in China, achieve the improvement of students' comprehensive quality, and cultivate high-quality artificial intelligence professionals for the society.

Keywords

AI; Talent training mode; Analysis.

1. INTRODUCTION

With the rapid development of information technology, the development of artificial intelligence has gradually become the focus of attention of all sectors of society. While AI brings many conveniences to production and life, it also promotes the innovative development of talent cultivation in China. As a university administrator, while promoting the training of professionals in the field of artificial intelligence, we should also actively promote the improvement of teachers' education and teaching ability and the optimization of talent training mode in local universities, so that students can make greater progress in the process of learning, and feel the important impact of artificial intelligence on China's social development and economic progress with the guidance and help of teachers, And promote the development and improvement of AI specialty with its own practical actions. At the same time, with the development of the concept of integration of production and education, strengthening the cooperation between schools and enterprises has become an important direction of the development of AI specialty in colleges and universities. Teachers in local colleges and universities should also promote the in-depth development of school enterprise cooperation and lay a solid foundation for the cultivation of AI professionals in China[1].

Realizing the optimization of the training mode of artificial intelligence professionals in local colleges and universities is not something that can be accomplished overnight. College administrators and teachers should implement the main responsibility and promote the high-level development of artificial intelligence talent training. In the context of the integration of production and education, universities, enterprises and the government can jointly participate in the process of talent training, so that schools can cultivate professionals more in line with market demand. Of course, this requires mutual cooperation between enterprises, universities

and the government, and promotes the stable and coordinated development of the talent training system, so as to achieve the effective training of AI professionals on the basis of meeting the market demand[2].

(1) The concept of integration of production and education. The concept of integration of production and education is an inevitable requirement to realize the collegiate training mode of artificial intelligence professionals in the new era. As a mode of education sharing and resource sharing between schools and enterprises, the concept of integration of industry and education can promote the high-level development of occupation and education, innovate the way of talent cultivation in colleges and universities on the basis of meeting the market demand, and also ensure that colleges and universities provide enterprises with an endless supply of innovative talents. The concept of integration of production and education requires that colleges and universities should be supported by strong scientific research strength and educational resources, and at the same time become the technical force to promote the development of enterprise production. This not only promotes the development of enterprises in all aspects, but also brings help to the improvement of education and teaching water in colleges and universities[3].

(2) The principle of school enterprise cooperation. The principle of school enterprise cooperation requires that in the process of talent training, colleges and universities should pay attention to the ultimate goal of talent training is to improve students' professional quality, and then cultivate talents for socialist modernization, so that students can meet the needs of social production and development. The market is an important touchstone to test whether talents are excellent. In order to improve the quality of talent training in colleges and universities, it is necessary to formulate relevant industry talent standards. Schools rely on this standard for talent training, so that students can make greater progress in the process of learning. Only relying on industry standards, students can obtain the vocational qualifications and technical skills required by the market in schools. Therefore, colleges and universities should consider the optimization requirements of talent training mode in terms of specialty setting and course content selection, and the relevant industry standards are to rely on the training of students. In the context of the steady progress of school enterprise cooperation, colleges and universities should play the role of the main body of talent training. The quality of education and teaching in colleges and universities directly affects the learning ability and comprehensive level of students. Therefore, colleges and universities should strictly implement the teaching standards formulated based on the market development situation, adjust the education and teaching content on the basis of grasping the mainstream trend of AI market development, adapt to the basic requirements of enterprise transformation and upgrading, and focus on innovation driven to achieve the training requirements of innovative AI professionals. At the same time, in order to meet the needs of the society for innovative talents to the greatest extent, colleges and universities should focus on the industry standards formulated by the government, pay attention to the value and role of talents in future work, improve the scientificity and rationality of talent training, and provide better guarantee for the employment of students and the improvement of innovation ability[4].

2. CURRENT SITUATION

At the current stage, many colleges and universities have paid attention to the significance of high-level development of the training mode of AI professionals, and are also promoting the optimization of the training mode of AI professionals in colleges and universities based on market demand and policy guidance. However, from the reality of the training mode of artificial intelligence professionals in local colleges and universities, there are still problems in the talent training mode of many schools.

(1) The significance of school enterprise cooperation mode is not obvious. On the basis of the increasing connection between schools and enterprises, many schools are committed to promoting the development of school enterprise cooperation mode to achieve the common education and resource sharing between schools and enterprises. This series of cooperation activities have brought many positive effects on students' AI major learning. The school can also carry out relevant education and teaching activities around the production needs and development needs of enterprises. This talent training mode has realized the improvement of students' learning ability while giving full play to the talents advantages of the school and the financial and technical advantages of enterprises. At the same time, some schools also let students participate in the whole process of enterprise production through the school enterprise cooperation mode, and feel the importance of AI in the development of modern economic system, so as to achieve the improvement of professional quality. However, some schools do not have a clear understanding of the training mode of school enterprise cooperation talents for AI majors, and do not pay attention to the relationship between students' professional quality and practice, which leads to the school enterprise cooperation becoming a mere formality and not going deep into the classroom. There is relatively little communication between teachers and enterprise managers, and they cannot master the cutting-edge theory of the industry, which also affects the improvement of students' comprehensive quality.

(2) The order based talent training mode has not yet formed a system. The order based talent training mode refers to that enterprises sign training agreements with colleges and universities according to their own development needs and production needs, while colleges and universities cultivate high-level and competent professional talents for them according to the actual needs of enterprises. Under the guidance of the order based talent training mode, college students can participate in the recruitment process of enterprises, solve the employment problem after graduation, and can directly work in enterprises. This kind of education mode and talent training program has improved the pertinence of AI education in local colleges and universities. However, despite the implementation of the order based talent training model in many schools, there is no more in-depth exploration of the relationship between AI majors and enterprises, which leads to the blindness of the teaching content. After signing an order, students tend to be full of hope for their future, but after contacting the field of AI, they will be dissatisfied with the order based talent training model, This has affected the employment of students and the talent attraction of enterprises.

(3) The construction of practice base is not perfect. Perfect practice base construction is an inevitable requirement to improve the comprehensive quality of students majoring in artificial intelligence. For students majoring in artificial intelligence, the knowledge learned on campus has strong theoretical characteristics. Under the new era environment, the form of students' participation in enterprise practice should be innovated. Through improving the construction of practice bases, it is necessary to form an alternate teaching mode that focuses on college teaching, supplemented by enterprise practice, to strengthen students' practical ability. From the actual situation of enterprise talent training at this stage, although many schools are promoting the construction of practice bases, students often can not obtain all-round improvement in their abilities in the practice bases. In addition, the construction of the practice base also has the problem of weak practicality, which requires colleges and universities to give students more autonomy in the future work, formulate scientific talent training programs according to students' life planning and reasonably allocate the practice base.

3. STRATEGY

To promote the improvement of the training mode of AI professionals in local colleges and universities, schools, managers and teachers need to strengthen communication with

enterprises, provide more practice space for students on the basis of innovating the design mode of AI theoretical courses, so that students can learn theoretical knowledge and improve practical skills at school, and lay a solid foundation for future work. Specifically, school administrators and teachers can conduct research from the following aspects.

(1) Strengthen the construction of artificial intelligence specialty. Schools and managers should pay attention to that the core driving force of the new round of industrial reform is AI. As a new information technology, AI is in a high level of development in the new era environment, and AI will lead the future development of the industry. To this end, school administrators and teachers should realize that the application of AI in emerging industrial clusters such as new materials, on the basis of deepening the school enterprise cooperation model, can effectively connect the training of AI professionals with the development of enterprises, and build a professional curriculum system that matches the needs of school education and enterprise talents. From the current situation of AI major curriculum, some schools have not paid attention to the relationship between students' theoretical knowledge, learning and practical skills improvement. As a teacher in the new era, on the basis of in-depth understanding of the training mode of artificial intelligence professionals, we should fill in the gaps in the construction of artificial intelligence specialty, improve the training system of artificial intelligence professionals, formulate relevant teaching standards through the exchange of core technologies, and strengthen the construction of artificial intelligence specialty in colleges and universities by building a technology innovation platform. When the construction of artificial intelligence specialty in colleges and universities is improved, the learning ability of students will inevitably be improved.

(2) Clarify the training objectives of AI professionals. It is necessary to clarify the training objectives of AI professionals to achieve the high-level development of AI professionals in local colleges and universities. In the context of the integration of production and teaching, improving the quality of AI professional training is not something that can be accomplished overnight. Teachers and relevant managers should formulate scientific and clear professional training objectives, build an applied curriculum system integrating theory and practice, combine the learning of students' knowledge content with the improvement of practical skills, and provide continuous power for the intelligent development of China's manufacturing industry. First of all, the school should promote the creation of the characteristics of the AI specialty. In the process of changing the traditional training system for AI professionals, the school should accurately position and design the AI professional courses, develop teaching objectives and design teaching content based on the market, and put the market demand through the whole process of training AI professionals. The school should ensure the flexibility of course setting, modularize the AI professional courses, and adopt the mode of professional basic courses plus characteristic elective courses to form an AI professional talent training program based on professional courses and focused on expanding content, so as to guide students to give play to their personal advantages in the process of learning and ultimately achieve the effective training of AI professionals.

(3) Promote the in-depth development of school enterprise cooperation. Schools should also promote the in-depth development of school enterprise cooperation in the process of improving the curriculum design of artificial intelligence specialty. First of all, the university should communicate with various government departments, improve relevant policies and regulations as soon as possible, implement specific policies on integration of industry and education and cooperation between universities and enterprises, and clarify the responsibilities and obligations of universities and enterprises in this process, so as to form a talent training model in which universities and enterprises promote each other. Secondly, colleges and universities should actively communicate with them, build a long-term mechanism of collaborative education between colleges and enterprises, and expand the depth and breadth

of cooperation between colleges and enterprises by improving relevant policies and industry standards, and implementing them into specific teaching work. This will help optimize the talent training model of colleges and universities, and also help enterprises absorb more technical talents, thus laying the foundation for the development of China's AI cause. Finally, colleges and universities should strive to form a new pattern of collaborative and all-round education under the background of the integration of production and education and the in-depth development of the school enterprise cooperation model. The school provides students with innovative ways through scientific research projects, and encourages students to give play to their professional advantages to help enterprises solve technical problems. Enterprises can also select excellent talents in schools to focus on training as their future technical backbone and management elite.

(4) Innovate the talent training system in colleges and universities. Innovating the talent training system in colleges and universities is an inevitable requirement for achieving the high-level development of students majoring in artificial intelligence in colleges and universities in the new era. In the 21st century, China needs innovative and professional talents at the same time, especially for students majoring in artificial intelligence. The training of talents in artificial intelligence should focus on the goal of innovation, integrate existing resources, communicate with enterprises and exchange ideas while combining the law of students' psychological development, and focus on improving practical ability and understanding level, To jointly formulate the training mode of artificial intelligence professionals in colleges and universities. Schools should integrate existing resources and cooperate with enterprises to jointly develop courses, realize the richness of teaching content, broaden the connotation and extension of teaching practice training and theoretical teaching. Colleges and universities should also improve the experimental environment of artificial intelligence specialty on campus, build a student practice platform, provide a large number of practical opportunities for students, and promote the high-level cultivation of practical talents of artificial intelligence specialty.

Schools should realize that promoting the development of AI professionals requires the support of teachers. By regularly organizing teachers to participate in the training of artificial intelligence, teachers are guided to understand the new achievements and cutting-edge knowledge of artificial intelligence and learn the advanced theories of artificial intelligence, so that students can feel the significance of innovative development in the field of artificial intelligence in the process of learning, and students can also be exposed to the most cutting-edge professional knowledge and practical skills, strengthen their innovation ability, and maximize their development potential, Create a new ecology of classroom teaching. This is not only an innovative way to cultivate AI professionals in colleges and universities, but also an inevitable requirement to promote the innovative development of the talent training system in colleges and universities in China.

4. CONCLUSION

In a word, realizing the high-level development of college AI specialty construction is not something that can be accomplished overnight. School administrators and teachers should recognize the importance of the school enterprise cooperation model, so that students can learn enough theoretical knowledge on campus. At the same time, improve the quality of school talent training through practical training, and promote the improvement of students' learning ability by focusing on the concept of integration of industry and education, Strengthen exchanges and cooperation with AI related enterprises, provide high-quality talents for the development of China's AI industry on the basis of improving students' comprehensive quality, optimize the talent training system, and enable students to gain more in the process of learning.

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