

Research on innovation and practice of university-industry cooperation under AI environment

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Abstract: Along with the deep learning represented by machine learning algorithms in machine vision and speech recognition in areas such as a great success, and cloud computing, big data provide a steady stream of data resources, such as artificial intelligence into the unprecedented rapid development, and is profoundly changing the from all walks of life, but the road of the artificial intelligence + education how to walk, it is lack of system, in view of this the paper together promote cooperation profound research of artificial intelligence, in order to inspire the thinking of artificial intelligence in university-enterprise cooperation promote the deepening of highervocational education and enterprise integration.

1 The introduction

Intelligence is the new direction of today's social development, but also the new characteristics of information development. With the rapid development of artificial intelligence, Internet of Things, big data, cloud computing and other technologies, intelligent products and devices such as smart home, intelligent robots, intelligent toys, intelligent buildings and other intelligent products and devices have brought a huge impact on people's way of life and work. In this context, vocational colleges should follow the development of artificial intelligence, promote university-industry cooperation innovation, build an intelligent university-industry cooperation system, and promote the university-industry cooperation from low level and extensive to high level and precise.

The key to modern university-industry cooperation is

to meet the new needs of both sides in training and using talents, explore the possible effects of artificial intelligence technology in boosting university-industry cooperation innovation, and solve the problems in the current university-industry cooperation and development.

2 Main contents of the study

(1) Artificial intelligence promotes basic research of university-industry cooperation

On the basis of discussing relevant theories and technical support, this paper tries to discuss the new influence and reform brought by artificial intelligence on university-industry cooperation from the aspects of resources of both sides, enterprise mentors, school mentors management and cooperation evaluation. The components of AI promoting school-industry cooperation are shown in Figure 1 below:

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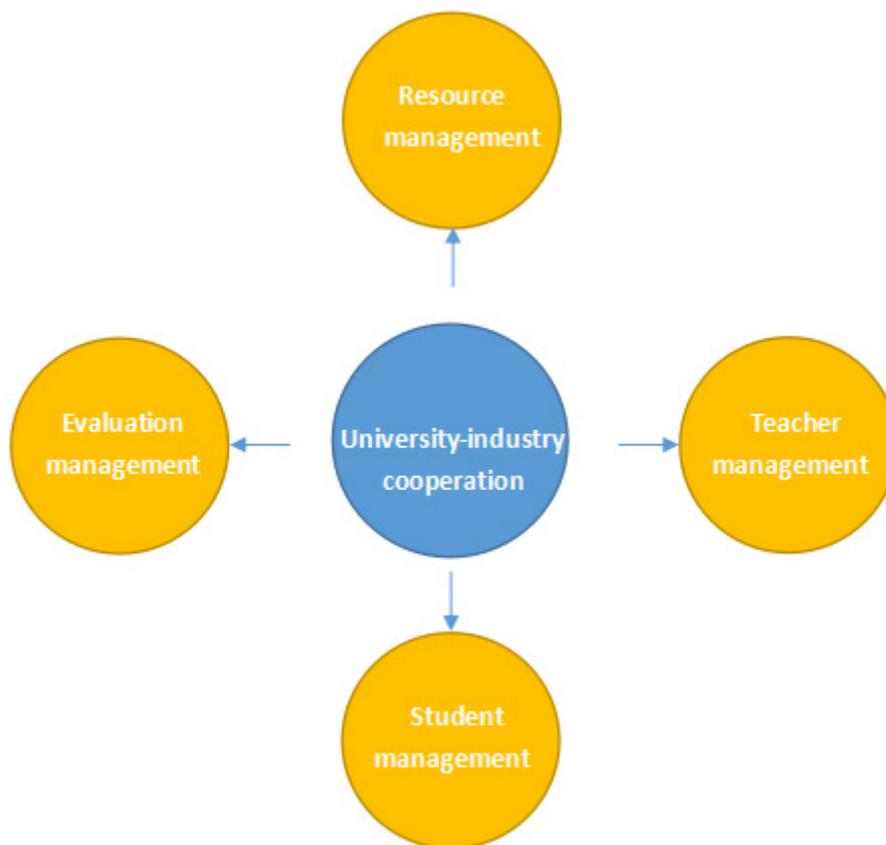


Fig. 1 The components of AI promoting university-industry cooperation

By integrating the components of artificial intelligence to promote university-industry cooperation, the paper concludes that the change of resources and environment is the basis of university-industry cooperation. Therefore, starting from the resource and environment of both sides, the paper analyzes the changes in the management of teachers and students and the evaluation of cooperation brought about by the development of artificial intelligence, so as to optimize the mode of university-industry cooperation.

(2) Artificial intelligence promotes the innovation and development of resource management in university-industry cooperation

Intelligent analysis: this research attempt from the perspective of resource independent intelligent evolution, the preliminary analysis, the resources of both

sides, based on the general process of artificial intelligence, university-enterprise cooperation innovation should focus on the cooperation of both sides in common, thinking a solution to precise education, by creating different types of resources, and help the two sides on the resource utilization can intelligent interactive integration, intelligent production and education resource integration, intelligent guide the process of cooperation, so as to improve the effect of cooperation.

Intelligent push: The traditional push methods mainly adopt E-mail push, file forward and interview, etc., which fails to achieve the personalized and intelligent push goal. In addition, the traditional way is easy to cause the problem of lack of concentration, lack of focus, which tends to cause waste.

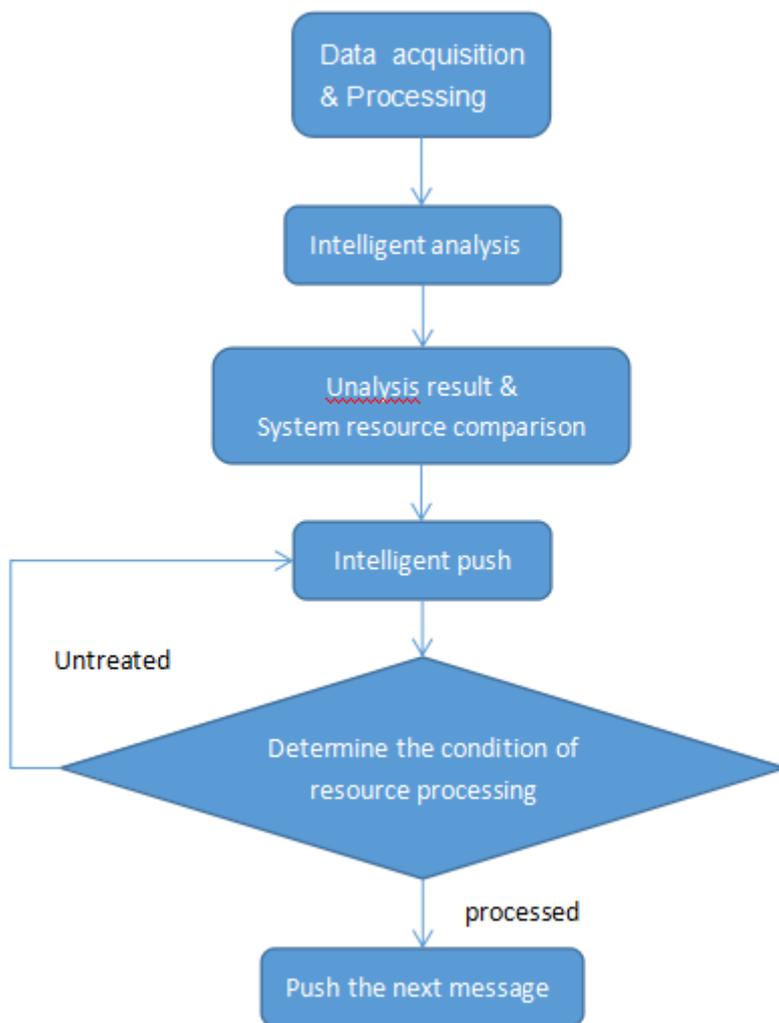


Figure 2 Intelligent push process of teaching resources

The intelligent push can predict and identify the personalized needs and conditions of users, so as to actively push targeted cooperation resources, so as to provide targeted, personalized and intelligent services for both parties in the era of information flooding, and meet users' demand for easy access to the required information. This is shown in Figure 2.

(3) Research on artificial intelligence promoting innovation and development of tripartite evaluation management

The research focuses on the transformation of university-industry cooperation evaluation mode from manual evaluation to intelligent evaluation, and from standardized evaluation to differential evaluation. The connotation, characteristics and key technologies of intelligent evaluation and differential evaluation are analyzed, the general process of intelligent evaluation is analyzed, and the implementation suggestions of intelligent evaluation are summarized. It also discusses the application of artificial intelligence in university-industry cooperative management from two aspects of scientific decision-making and automatic management.

3 Key problems to be solved

(1) Technical support for intelligent environment

First of all, win-win cooperation is the basis of promoting university-industry cooperation. Modern university-industry cooperation has put forward higher requirements for the construction of intelligent environment, such as intelligent perception demand, diversified service provision, etc. Secondly, IntelliSense is the foundation of diversified resource push. The development plan of the new generation of artificial intelligence points out that high dynamic, high dimensional and multi-mode distributed large-scene perception should be realized.

(2) Intelligent university-industry cooperation mode design

School, the machine, the enterprise as the core of the change of teaching main body will implement the school with the machine, and machine, schools and enterprises, open and pluralistic interaction more efficient, the development of technology, the improvement of the

environment, the adaptive data resources makes more smooth, more in-depth cooperation process in a timely manner, the cooperation effect is more obvious. From mutual understanding, establishment of cooperation to in-depth cooperation, intelligent mode is more efficient

than traditional university-industry cooperation in all aspects. Centering on the changes brought about by the development of artificial intelligence, intelligent university-industry cooperation mode is constructed, as shown in Figure 3 below:

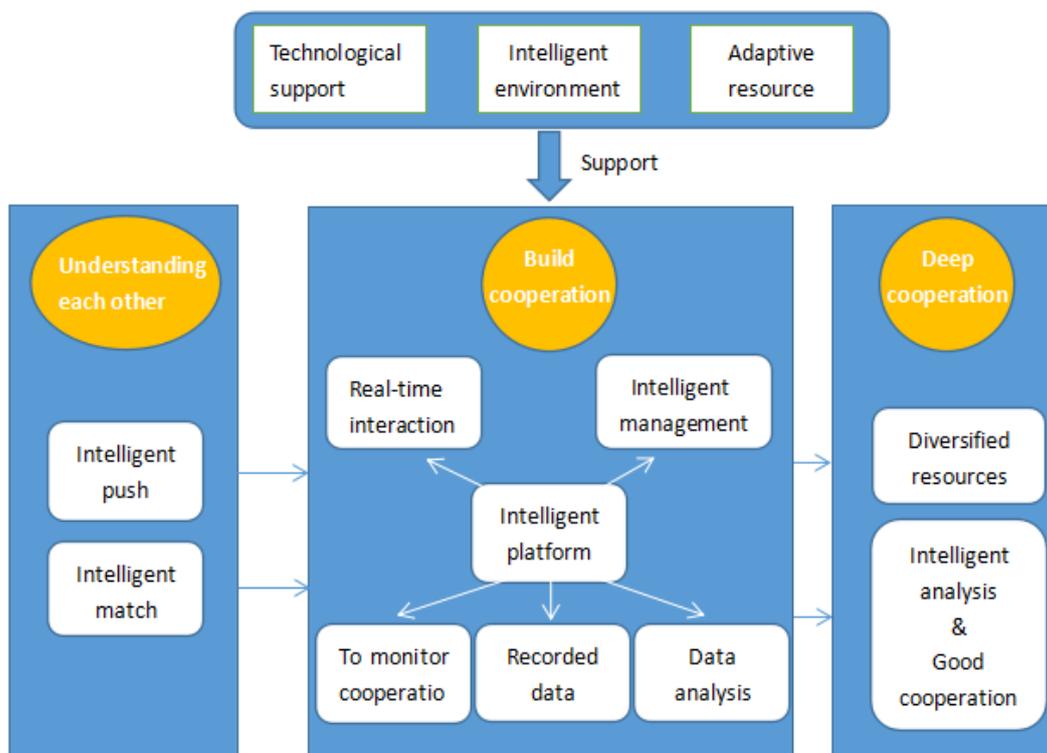


Figure 3 Scenes of intelligent university-industry cooperation mode

4 Research ideas and technical route

Study overall following factors: "the research of artificial intelligence application development and the present situation and development trend analysis of the factors: artificial intelligence application and practical case about artificial intelligence to promote the cooperation between colleges and expert interview to

extract the artificial intelligence will affect what university-enterprise cooperation links to explore in artificial intelligence promote the optimization of resources, explore the change of artificial intelligence to promote the cooperation between colleges and discusses the innovation of the artificial intelligence to promote the cooperation between colleges" train of thought. The research technical route is shown in Figure 4 below:

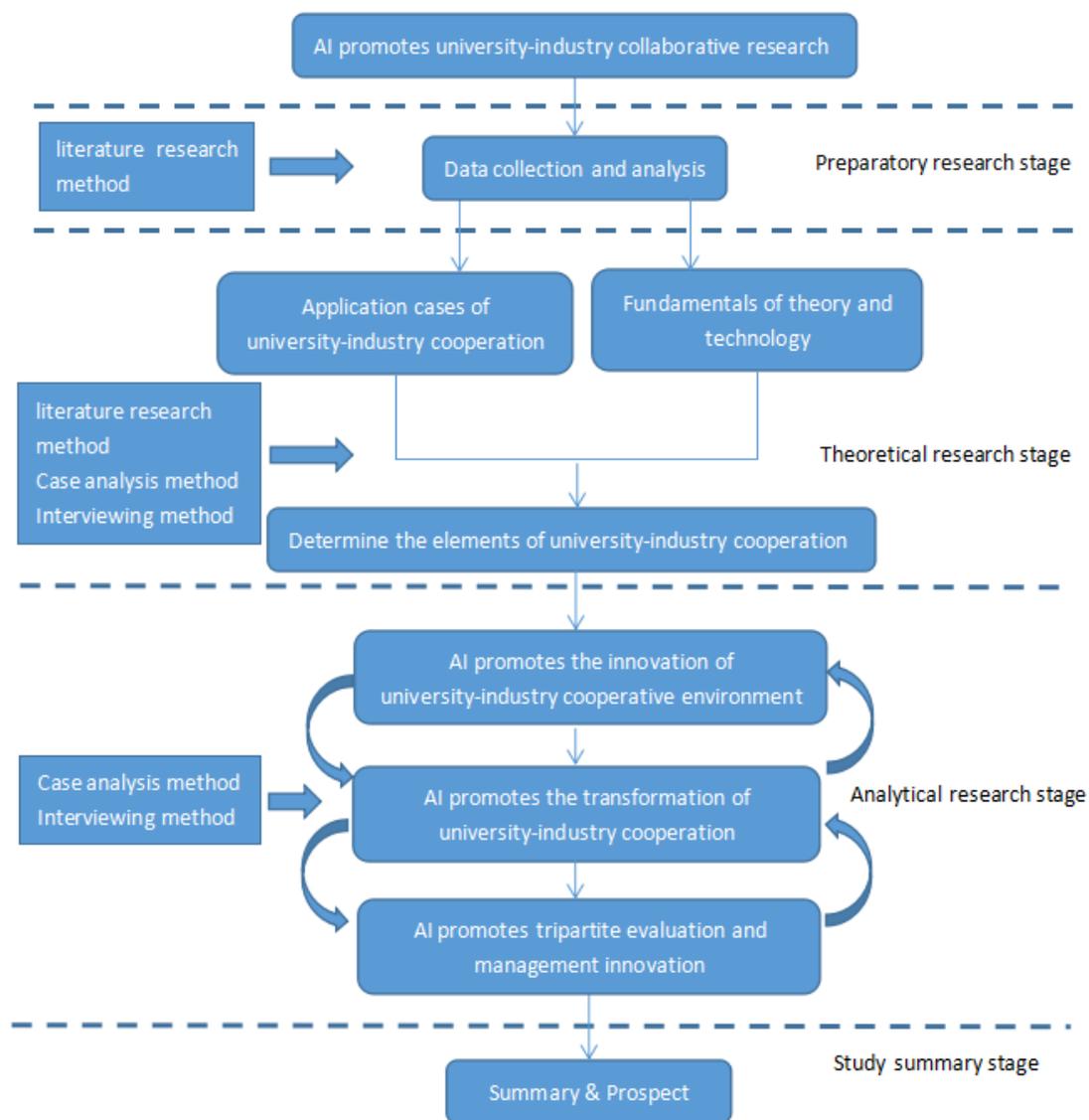


Fig. 4 Research technical route

5 The conclusion

There are three innovations in the integration of artificial intelligence into university-industry cooperation: 1. It can provide a personalized intelligent platform; 2. Constructing intelligent university-industry cooperation mode; 3. Innovative development of tripartite evaluation. Technology to promote the integration of schools and enterprises has always been the focus of social attention. Artificial intelligence is gradually integrated into the field of education, providing new possibilities to meet the needs of both sides for high-quality resources, intelligent environment and diversified modes. Factors artificial intelligence application provides conditions for the smooth implementation of the intelligent, auxiliary cooperation between both sides of the whole process of artificial intelligence research and analysis of artificial intelligence to cooperation during the specific process to provide support and help to solve the traditional university-enterprise cooperation existing machinery,

inefficiency, lack of participation to promote bilateral cooperation to develop in the direction of intelligent, accurate and diverse.

In a word, in the context of artificial intelligence, the reform, innovation and practice of university-enterprise cooperation in higher vocational colleges are studied from the overall level, and the research can clarify the thinking of how artificial intelligence technology can better support university-enterprise cooperation.

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[Fund project 1] This paper is a phased research result of the quality engineering project of Guangdong Provincial Department of Education, Research on Collaborative Talents Training for Computer Specialty Based on the Deep Integration of University and Industry (GDJG2019307).

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