The Application of Artificial Intelligence in College Ideological and Political Education

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Abstract: With the continuous development and innovation of various emerging technologies in social development, artificial intelligence technology has also achieved many breakthroughs. Under the current background of teaching reform, ideological and political education has tried to combine artificial intelligence and achieve great results in the field of teaching, facing many challenges and practical problems. This paper will study the application of artificial intelligence in college ideological and political education, summarize the necessity and feasibility of introducing artificial intelligence technology into college ideological and political education, and analyze the innovative application of artificial intelligence applied to college ideological and political education.

1. Introduction

The organic integration of artificial intelligence into ideological and political education can not only significantly improve the efficiency of ideological and political work, but also profoundly change the traditional ecology of ideological and political work. This stems from the strong three cornerstones of artificial intelligence - big data, deep learning and strong calculation force[1].

As a collection of information, big data not only has the characteristics of huge amount of data, but also has two characteristics of multi-dimensionality and completeness. Multi-dimensionality is to recognize and predict by analyzing different dimensions of information. Completeness is to comprehensively collect and collect data from one aspect of the transaction and all of it.

Deep learning, based on the analysis of big data, artificial intelligence can analyze features and discover rules on a certain thing. It also has the ability to accept external feedback. It can improve and enhance its existing knowledge understanding level through frequent communication and interaction with the vast number of users outside the world, and gradually approach the real human thinking and wisdom.

Strong computational power, deep learning of artificial intelligence is based on the comprehensive analysis of large amounts of data. The same measurement data, the faster the operation, the more attempts are made per unit time, the more accurate the conclusion, the more experience that can be accumulated. rich. Therefore, the importance of strong computing power to artificial intelligence to continuously improve the level of intelligence is self-evident.

2. The Necessity and Feasibility of Introducing Artificial Intelligence Technology into Ideological and Political Education in Colleges and Universities

2.1 Necessity

The ideological and political workers in colleges and universities are unevenly distributed and are in the stage of integration, and the utilization rate is not high. The ideological and political workers in colleges and universities are mainly composed of counselors, ideological and political teachers, and class teachers. According to the requirements of the "Regulations on the Construction of Counselors for Ordinary Colleges and Universities" promulgated by the Ministry of Education in July 2006, colleges and universities should set up counselor positions in proportion to the teacher-student ratio of not less than 1:200. The proportion of the counselor team is relatively fixed, and the counselor has the dual status of teachers and cadres. In addition to doing his job well, he also needs to complete a large amount of transactional work. In a limited time, it is necessary to grasp each student in detail. The problem of each stage and the guidance in time is difficult; the form of teacher education in the ideological and political class is relatively fixed, mainly through the classroom to guide the education, temporarily failing to cover the entire semester of the university, and the duration of the semester is limited and fixed. It is difficult for students to achieve personalized guidance; at present, the head teachers of colleges and universities are mostly part-time class teachers, and class teachers are often class teachers or part-time administrative staff. These two types of people have less time and energy than full-time workers. The effect is yet to be examined. At present, there are certain problems in the process of actually carrying out the work of several major ideological and political workers in colleges and universities, which is unfavorable for improving the current ideological and political work.

2.2 Feasibility

2.2.1 Rapid Development of Artificial Intelligence Technology Combined with Multi-Industry Depth

China's artificial intelligence related research only started hard in the late 1970s. After the 21st century, many artificial intelligence research projects have won important and major projects of the National Natural Science Foundation, national high-tech research and development plans, and national key basic research development plans[2]. With the support of the project, artificial intelligence has gradually entered a period of vigorous development. The State Council issued an action plan (2015-2018) on the implementation of the "State Council's action on actively promoting the "Internet + Actions"" to raise China's artificial intelligence development to the level of national strategy. Under the impetus of the national strategy, China's artificial intelligence technology has achieved unprecedented development and has been deeply integrated with many fields. Emerging models such as big data + deep learning, face recognition + speech recognition, industrial robots + driverless, robot writing + VR technology are changing our lives, changing the way we work, changing the accuracy and accuracy of our access to information. . The combination of these successes offers the possibility of a smart companion robot + ideological and political education model.

2.2.2 College Inclusive and Open to Accept New Things

The ideological and political education work in colleges and universities refers to a series of organized, targeted, and planned leaders in the environment of colleges and universities, such as the party, the regiment, etc.[3], to achieve their political, educational, and management goals. Systematic

educational practice work. According to the definition, it is not difficult to see that the main environment for the application of artificial intelligence to college ideological and political education is colleges and universities. The university itself has the characteristics of openness and inclusiveness, which makes the university become an environment that is more accepting new things and even more likely to breed new things. In this environment, the combination of artificial intelligence and ideological politics is more natural and rational. should. On the other hand, the current colleges and universities are affected by the development of new media has become an environment that can communicate and spread information through time and space and hypermedia. The combination of artificial intelligence and ideological and political education can not only spread quickly and effectively in colleges, but also The new ideological and political education model has been popularized with new forms of communication that are more easily accepted by university students.

3. Colleges and Universities Ideological and Political Education Artificial Intelligence Application Existing Dilemma

The current ideological and political education mainly focuses on the introduction and use of artificial intelligence in the actual education and teaching process, the combination of ideological and political education and artificial intelligence, and still stays at the superficial level, and plays a role in improving and improving ideological and political education[4]. Very limited. At the same time, artificial intelligence as a new technology to intervene in ideological and political education has also caused some new problems in the process of teaching and learning. Learning information bloat, fragmented learning, and "light learning" phenomena. The development of artificial intelligence has realized the barrier-free sharing and real-time updating of knowledge, but it has also brought about an explosive growth of learning information. Learning information is unlimited, and the learning time of the public is limited. Although artificial intelligence provides students with unprecedented conveniences, it is in this fragmented time and ever-changing space that it is not easy to learn esoteric, systematic knowledge. The richness of the objective world, the infinity of information content and the limited time of the public learning time have led to the phenomenon of shallow learning and the "pan-mechanization" of serious learning processes, and the ability of learners to learn and think independently. The intelligent machine participates in the whole process of learning the retrieval and supply of learning information, the core extraction of learning content, and the design modification of the learning program, which increases the learner's dependence on the intelligent machine and weakens the learner's autonomous learning motivation and enables the learner. It is difficult to carry out knowledge innovation and knowledge creation.

4. Artificial Intelligence in the Innovative Application of Ideological and Political Education in Colleges and Universities

The intelligent companion robot relies on the leading robotic Chinese language cognition and computing platform, the Turing robot, and selects excellent student workers and student cadres to teach them. After the completion of the training, set a matching QQ number and micro-signal to enable it to work online to break through time and space constraints. The mode of intelligent companion robot + ideological and political education enables the ideological and political education work of colleges and universities to achieve "zero time difference", instantly solve the doubts raised by students or immediately provide feedback to relevant counselors, and reduce the problem of magnifying problems caused by delays in solving problems. The probability[5].

Secondly, to promote the ideological and political education system of colleges and universities to be more perfect and efficient, and to create a "new window" for ideological and political education work, so that in addition to the students who have undergone rigorous screening training, there are

more scientific and intelligent companion machines. The two complement each other and improve the efficiency of ideological and political work.

Finally, to promote the development of ideological and political education in colleges and universities in the direction of scientific and data, and to build a "data map" for ideological and political education. When the work of the intelligent companion robot accumulates a certain amount, the chat data can be exported to analyze the data using the big data analysis association method, and explore whether the representations of different types of questions in different students have common characteristics, and draw ideological and political education work. The "data map", which will provide a more intuitive reference for other ideological and political educators.

5. Conclusion

The rapid development of artificial intelligence technology and the promotion of national strategy have enabled artificial intelligence technology to be deeply integrated with various industries, which greatly facilitates people's lives and optimizes workflow. Under such an opportunity, the introduction of intelligent companion robots in colleges and universities can effectively solve the problem of uneven distribution of ideological and political education workers, low utilization rate, and work effect to be prompted in the current work, so as to achieve deep integration with ideological and political work. .

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