

# Research on the Application of Artificial Intelligence in Law Popularization in Ideological and Political Education in Colleges and Universities

Yuzheng Zan<sup>1\*</sup> Lei Zhou<sup>2</sup>

1. Shanxi University, Taiyuan, Shanxi, 030000, China

2. College of Foreign Languages, Shanxi University, Taiyuan, Shanxi, 030000, China

## ARTICLE INFO

### Article history

Received: 10 April 2025

Accepted: 16 April 2025

Published Online: 30 June 2025

### Keywords:

Artificial Intelligence

Law Popularization

Ideological and Political Education in Colleges and Universities

## ABSTRACT

Against the backdrop of the continuous advancement of the construction of a law - based society and the rapid development of artificial intelligence technology, ideological and political education in colleges and universities faces new opportunities and challenges. Integrating artificial intelligence - based law popularization into ideological and political education in colleges and universities helps to innovate the ideological and political education model and improve students' legal literacy. This paper deeply analyzes the problems existing in the application of artificial intelligence in law popularization in ideological and political education in colleges and universities and proposes corresponding optimization strategies. The aim is to explore an efficient path for the integration of ideological and political education and law popularization in colleges and universities, so as to cultivate new - era college students with a sense of the rule of law and social responsibility.

## 1. Introduction

Ideological and political education in colleges and universities plays a crucial role in the growth of college students. It shoulders the important mission of cultivating students' correct worldviews, outlooks on life, and values. In the context of the continuous development of a law - based society, legal literacy has become an essential part of the comprehensive quality of contemporary college students. In recent years, artificial intelligence technology has developed rapidly and has been widely applied in many fields, showing unique value in the field of law popularization. Traditional methods of law popularization education, such as single - classroom lectures and static promotional materials, have certain limitations and are

difficult to fully mobilize students' learning enthusiasm. However, introducing artificial intelligence - based law popularization into ideological and political education in colleges and universities can effectively break through these limitations. It can use technologies such as intelligent interaction and big - data analysis to disseminate legal knowledge to students in a more vivid, accurate, and efficient way, in a more vivid and interesting form with precise and personalized content. This can enhance students' legal awareness and concept of the rule of law, and inject new vitality into promoting the innovative development of ideological and political education in colleges and universities.

\*Corresponding Author:

Yuzheng Zan,

Female, Master's degree,

Research directions: Law;

Email: 15832067026@163.com

## **2. Problems in the Application of Artificial Intelligence in Law Popularization in Ideological and Political Education in Colleges and Universities**

In the field of ideological and political education in colleges and universities, although the application of artificial intelligence in law popularization has certain innovativeness, it currently still faces many difficulties. The technical application threshold has become the primary problem. Some colleges and universities are unable to maintain and update the artificial intelligence - based law popularization platforms due to a lack of professional technical personnel. As a result, problems such as platform freezes and malfunctioning functions often occur. At the same time, there is a large difference in the technical capabilities of the teaching staff. Some teachers have a weak ability to accept and apply new technologies, making it difficult for them to fully utilize the teaching advantages of the artificial intelligence - based law popularization platforms. They have obvious deficiencies in using the platforms to carry out personalized teaching and intelligent tutoring, which greatly affects the teaching effect. There are also significant hidden dangers in data quality and security. On the one hand, the data used for law popularization education may be incorrect or outdated, making the legal knowledge obtained by students inaccurate and unable to keep up with the updates of laws<sup>[1]</sup>. On the other hand, the risks of data leakage and tampering cannot be ignored. If the personal information and learning data of college students are not properly protected, once leaked, it will not only violate students' privacy but may also have an adverse impact on them. The current education model is not well - adapted to artificial intelligence - based law popularization. The traditional teaching model still dominates ideological and political education in colleges and universities, and both teachers and students have limited acceptance of the new education model based on artificial intelligence. Teachers are accustomed to traditional teaching methods and find it difficult to quickly adjust their teaching strategies to adapt to new technologies. Students, due to long - term exposure to traditional teaching, have a resistance to new learning models, which hinders the promotion and application of artificial intelligence - based law popularization in ideological and political education in colleges and universities. In addition, the interpretation of legal knowledge by artificial intelligence has limitations. The understanding and application of legal provisions need to comprehensively consider many complex factors, such as the legislative background and social impact. However, artificial intelligence has difficulty fully

grasping these contents, and its interpretations may be one - sided or inaccurate. If students overly rely on the interpretations of artificial intelligence and lack independent thinking and in - depth analysis, they are likely to form a one - sided understanding of the law, which is not conducive to the cultivation of their legal literacy.

## **3. Application Strategies of Artificial Intelligence in Law Popularization in Ideological and Political Education in Colleges and Universities**

### **3.1 Strengthen Technical Training and Support**

In ideological and political education in colleges and universities, strengthening technical training and support is of great significance for the more effective application of artificial intelligence in law popularization. Colleges and universities should take proactive actions and increase investment in training teachers and relevant technical personnel. Regularly organize training courses on the application of artificial intelligence technology. These courses should cover various aspects, from the basic principles of artificial intelligence to specific practical applications in law popularization. Through systematic learning, teachers can master the operational skills of artificial intelligence technology in law popularization education, such as how to use intelligent teaching software to explain legal knowledge and how to use artificial intelligence to analyze students' learning situations, thereby improving teachers' technical levels and application abilities. At the same time, introducing professional technical talents is a key step in improving the technical support system. Colleges and universities should actively attract compound talents with backgrounds in artificial intelligence, computer technology, and law to form a professional technical team. This team is responsible for the comprehensive maintenance and upgrading of the artificial intelligence - based law popularization platform to ensure its stable operation and continuous optimization of functions<sup>[2]</sup>. For example, update the legal database of the platform in a timely manner to ensure the timeliness of legal provisions and optimize the interactive interface of the platform to enhance the user experience. In addition, colleges and universities should encourage teachers to conduct teaching practice research on artificial intelligence in law popularization. Set up relevant research projects and incentive mechanisms to support teachers in exploring teaching models and methods suitable for ideological and political education in colleges and universities. Teachers can summarize experiences and lessons through teaching experiments and case analyses, and continuously improve the application effect

of artificial intelligence in law popularization in ideological and political education, so that artificial intelligence can better serve ideological and political education in colleges and universities.

### **3.2 Ensure Data Quality and Security**

Data is the core element of artificial intelligence in law popularization. Ensuring data quality and security is the basis for ensuring the effective application of artificial intelligence in law popularization in ideological and political education in colleges and universities. Colleges and universities should establish a strict data review mechanism and form a professional data review team to conduct comprehensive and detailed reviews of the data used for law popularization education. Ensure that the data is not only accurate, in line with legal norms and teaching requirements, but also complete, covering various legal knowledge and cases. At the same time, ensure that the data is updated in a timely manner so that students can access the latest legal information. In the process of data management, it is crucial to strengthen the supervision of the data collection, storage, and use processes. Use advanced encryption technologies to protect students' personal information and learning data to prevent data leakage and illegal access. For example, use blockchain technology to achieve encrypted storage and traceable management of data to ensure the security and reliability of data. In addition, colleges and universities should cooperate with professional data security institutions to regularly conduct data security assessments and risk monitoring. Through professional assessment tools and methods, identify potential data security problems in a timely manner and develop targeted solutions. At the same time, colleges and universities should also promote data security knowledge to students. By offering data security courses and holding special lectures, enhance students' awareness of data security. Let students understand the importance of data security and master basic data security protection skills, so that they can use the artificial intelligence - based law popularization platform with confidence, providing strong support for the smooth implementation of artificial intelligence in law popularization in ideological and political education in colleges and universities<sup>[3]</sup>.

### **3.3 Optimize the Education Model and Methods**

Optimizing the education model and methods is a key link in promoting the in - depth application of artificial intelligence in law popularization in ideological and political education in colleges and universities. Colleges and universities should actively innovate the ideological and

political education model, fully explore the potential of artificial intelligence in law popularization education, and integrate it into various links such as curriculum teaching, practical teaching, and campus culture construction. In classroom teaching, teachers should be good at leveraging rich artificial intelligence resources, such as intelligent legal assistants and virtual legal case databases, to guide students in in - depth discussions and analyses<sup>[4]</sup>. For example, when explaining specific legal provisions, teachers can use intelligent tools to display actual cases and let students discuss the legal issues in the cases in groups, cultivating students' legal thinking and problem - solving abilities. In practical teaching, use artificial intelligence to carry out diverse practical activities, such as mock trials and legal knowledge competitions. Through mock trial activities, with the help of artificial intelligence to simulate real - life court scenes and case hearing processes, students can play different roles and personally experience legal procedures, enhancing their practical abilities and legal application abilities. In addition, colleges and universities should carry out online - offline integrated law popularization publicity activities through multiple channels. Online, use the school's official website, WeChat official account, learning platform, etc. to release legal knowledge, case analyses, and law popularization short videos. Offline, hold legal lectures and legal knowledge exhibitions. By creating a strong legal - culture atmosphere, guide students to actively participate in the learning of legal knowledge, improve students' legal literacy, and enable students to strengthen their concept of the rule of law imperceptibly.

### **3.4 Strengthen Teacher Guidance and Supervision**

In the process of integrating artificial intelligence in law popularization into ideological and political education in colleges and universities, the guiding and supervising role of teachers is indispensable. Teachers should give full play to their leading role and guide students to correctly understand the interpretations of legal knowledge by artificial intelligence. Since the interpretations of artificial intelligence may have certain limitations, teachers need to combine actual cases to help students deeply think about the legislative purposes, scopes of application, and social impacts behind legal provisions. For example, after artificial intelligence gives an analysis result of a legal case, teachers guide students to examine the result from different angles, encourage students to put forward their own opinions, and cultivate students' independent thinking and critical thinking abilities to avoid students' over - reliance on artificial intelligence<sup>[5]</sup>. At the same time, teachers should pay close attention to students' learning progress

and effects. By checking students' learning records, assignment completion situations, and performance in discussions on the artificial intelligence - based law popularization platform, teachers can timely discover the problems existing in students' learning processes. For students with difficulties in understanding, teachers should provide targeted guidance to help them overcome learning obstacles. By regularly organizing learning exchange activities, students can share their learning experiences and insights, further deepening their understanding and mastery of legal knowledge, ensuring that students comprehensively and accurately master legal knowledge and effectively enhancing students' legal literacy, laying a solid foundation for cultivating high - quality talents with a sense of the rule of law.

#### 4. Conclusion

Artificial intelligence in law popularization is of great significance in ideological and political education in colleges and universities, bringing new development opportunities. With the help of artificial intelligence technology, ideological and political education can be carried out in a more diverse form with more precise content, improving the quality of education and playing a positive role in cultivating students' legal literacy. However, in the actual application process, many problems have indeed emerged, covering many aspects such as technical application, data management, and adaptation of the education model. Technically, the application threshold is high and maintenance is difficult. In terms of data, there are hidden dangers in quality and security. The education model is difficult to adapt to the changes brought about by artificial intelligence. However, these problems are not insurmountable. By strengthening technical training, ensuring data security, optimizing the education model,

and strengthening teachers' guiding role in artificial intelligence in law popularization, the current situation can be effectively improved. In the future, colleges and universities should continue to explore the potential of artificial intelligence in law popularization, continuously improve the application methods, and make it better integrated into ideological and political education to help cultivate new - era college students with high legal literacy.

#### References

- [1] Zhu Xiaomei, Hu Hengzhao. Research on the Precision of Ideological and Political Education for College Students in the Artificial Intelligence Era [J]. *Journal of Nanjing Open University*, 2025,(01):1 - 8.
- [2] Zhang Mandong, Zhong Tingting, Mao Gaoxian. Exploration of the Logic of Artificial Intelligence Assisting Ideological and Political Education in Higher Vocational Colleges [J]. *Journal of Nanjing Open University*, 2025,(01):16 - 22.
- [3] Chen Si. The Value Connotation and Challenge Response of Ideological and Political Education in Colleges and Universities in the Context of Artificial Intelligence [J]. *Journal of Harbin Vocational and Technical College*, 2025,(02):59 - 61.
- [4] Yan Jiahua, Wang Libin. The Innovative Application of Artificial Intelligence Technology in Ideological and Political Education in Colleges and Universities [J]. *Journal of Central South University of Forestry & Technology (Social Sciences)*, 2025,19(01):13 - 23.
- [5] Du Yi. Analysis of the Path of Artificial Intelligence - Driven Ideological and Political Education in Colleges and Universities [J]. *Huazhang*, 2025,(03):48 - 50.