On the Forms of China's Legal Work Under the New Technology Carrier

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Abstract: *Under the new situation, with the continuous development of information technology, the Internet has played a great role in human life. Especially the rapid development of big data, cloud computing, artificial intelligence and other new technologies, has a very important significance for the development of social economy. As for judicial work, with the development of society and economy, judicial work is facing new development situation and challenges, and the complexity of work is increasing day by day. This paper analyzes and discusses the new situation of judicial work under the new technology carrier, in order to guide the smooth development of judicial work in the future.*

Key words: *New information technology; Carrier; Judicial work; Situation*

Introduction

The continuous development of new information technology has a great impact on all fields of human life. The rapid development and application of new technologies such as big data, cloud computing, artificial intelligence and blockchain have played a great role in promoting the development of social economy. As for judicial work, with the development of society and economy, judicial work is facing new development situation and challenges, and the work requirements and complexity are increasing. At present, China's judicial work is exploring and using new technologies such as big data, cloud computing, blockchain, artificial intelligence, 5g as the work carrier, promoting the code of legal work, constantly innovating traditional judicial work and improving the efficiency of judicial work. At present, the application scope and role of new technology carriers in judicial work are constantly expanding. Especially in the early, China's emergence of the COVID-19, in line with the national anti epidemic situation and the situation, the use of new technology carrier will turn a considerable number of judicial work that needs to be dealt with online and dealt with online at the same time, to stabilize social order and maintain the judiciary. The positive side played an indispensable and important role. The following will be the application trend of new technology carrier in China's judicial work.

New Technology Carrier Promotes the Realization of Digital and Intelligent Dispute Resolution

The development of mobile Internet makes people's original life and consumption habits have changed

greatly. The demands and expectations of the masses on the government judicial service are also constantly improving. The application of blockchain technology is more effectively integrated with artificial intelligence technology, which lays a good foundation for the judicial work. At present, with the enhancement of citizen legal consciousness, the limited judicial resources of the court system in China are difficult to deal with the increasing number of civil disputes, and the proportion of network disputes is increasing. Therefore, it is necessary for traditional courts to actively transform digital and intelligent, and promote the orderly development of "digital justice". At present, online court is one of the key points in judicial work in various countries in the world. The UK and the United States have taken the lead in the construction and application of online courts. The so-called online court is different from the current court system, it is an independent and special court. It uses the Internet legal system to protect the demands of the parties, and also enables more parties to achieve fairness and dispute without employing professional lawyers. "Smart court" is the promotion form of online court in China. Relying on Internet and modern artificial intelligence, it adheres to the integration of judicial law, system reform and technological change around the judicial system and justice justice, supports judicial trial, litigation service and judicial management in a highly information-based way, and realizes the full-service Online processing, the whole process is open according to law and all-round intelligent service The organization, construction, operation and management of the people's court. The Supreme People's Court of China first proposed the concept of smart court in July 2015, and actively issued relevant opinions. Since April 2017, Internet courts have been established in Beijing and Hangzhou, which use Internet technology to conduct a series of processes such as online prosecution, acceptance, proof and pre court preparation.

The integration of AI and other new information technologies has brought about many judicial assistants, such as WeChat official account, forensic APP procedure, etc. At the same time, courts in various regions of China also actively apply Internet platform to create micro courts, and promote the online judicial work and improve the efficiency of work. In addition, these technical application carriers also effectively link the parties, lawyers, judges and other subjects, so that all parties actively participate in court activities, and improve the quality and efficiency of judicial services. With various automatic software tools, online judicial procedures can also promote the orderly development of case diversion, realize seamless docking of various judicial mechanisms and effectively promote the realization of digital justice.

New Technology Carrier Promotes the Integration of Online and Offline Judicial Work

The application of new legal technology carrier in judicial work is conducive to promoting the transformation of physical environment to virtual or semi virtual environment, effectively integrating online court activities with offline court activities, and effectively eliminating the special space or boundary mark of court proceedings in China for a long time. The application of automatic procedures also greatly reduces the cost of the original judicial work, improves the ability to handle cases, and the application effect of artificial intelligence technology in judicial work is relatively clear. For example, the application of algorithmic procedure makes the judicial procedure more perfect, and can effectively avoid the judge's discretionary behavior, and effectively reduce the judicial deviation in the judgment. The application of "blockchain +

artificial intelligence" in judicial work is conducive to changing the traditional value of confidentiality and establishing a dispute reference model based on data collection, utilization and reuse. At present, more and more courts begin to use digital technology or program algorithm to solve disputes, so as to promote the transformation of big data justice. The application of artificial intelligence technology is conducive to promoting the application of data processing technology in legal activities and promoting the change of judicial procedures. The new judicial procedure contains less and less antagonism, and the procedural system is more and more flexible and transparent, which is conducive to the formation of a balanced interest settlement relationship. However, considering the increasing number of disputes in the era of Internet and artificial intelligence, the supply of dispute resolution methods is far short of demand. People need to reach a consensus on what emerging technologies such as artificial intelligence, blockchain and big data can do for dispute resolution and prevention, and strive to promote the further integration of technology and dispute resolution and prevention. In the long run, the online court mode will become the main way to solve all the disputes, except for the difficult and complex disputes with high amount of money.

The Application of New Technology can Effectively Improve the Difficulty of Obtaining Evidence in Judicial Work

The application of blockchain + artificial intelligence can promote the construction and use of judicial electronic evidence platform. Compared with the ordinary platform, this platform has many incomparable advantages: on the one hand, the platform supports the diversification of electronic forensics, including Internet, video, Ott TV box certificate, mobile app and many other types of forensics, covering more than 90% of the websites. The forensics methods are rich and convenient, and the parties can enter the platform through the "two micro and one network" hyperlinks of local courts The electronic evidence can be called at any time in the litigation, which reduces the difficulty and cost of proof and improves the efficiency of rights protection of the parties. The second is to realize the openness and transparency of electronic evidence storage. The platform makes use of the openness and transparency of judicial blockchain to store the electronic evidence related information stored by the parties through the blockchain distributed storage, which can reproduce the process of evidence storage, realize evidence preservation and reduce costs The third is to improve the stability of electronic evidence. The evidence storage mode obtained by blockchain technology can be used to verify electronic evidence including documentary evidence, material evidence, witness testimony, expert opinion, inquest record, audio-visual materials, etc., and finally provide the evaluation of evidence risk and hash value verification. The electronic evidence has high stability and is of great significance It can reduce the judge's time in judging the authenticity of electronic evidence, and save the time and cost of proof and cross examination in court.

The Application of New Technology Carrier Provides more Auxiliary Tools for Judicial Work

The application of blockchain + artificial intelligence technology provides more auxiliary tools for judicial work and helps the smooth progress of judicial work: the application of blockchain and artificial intelligence technology is conducive to promoting the emergence of legal robots, which also provides an important

guarantee for the improvement of the efficiency and quality of legal activities. Machine learning and other intelligent technologies are involved in judicial work, mainly in the following aspects: Legal intelligent retrieval, automatic reading of documents, automatic generation of documents, legal consultation and result prediction, etc. The application of artificial intelligence has greatly changed the way and content of judicial work, and the legal industry can also rely on robots. Legal activities also show a high degree of intelligence, which is reflected in the following aspects: first, the intelligence of legislative activities. The application of artificial intelligence is conducive to promoting the realization of automatic detection and auxiliary settlement in legal activities, effectively avoiding the emergence of legislative conflicts, promoting accurate legislation, realizing the rational allocation of resources and improving the utilization rate of resources. Second, the intelligence of judicial activities. The application of artificial intelligence and blockchain technology can enable the court to obtain more auxiliary tools and reduce the workload of personnel. For example, the court can use artificial intelligence technology such as face recognition technology, speech recognition technology, language processing technology and machine learning technology to improve the efficiency and quality of judicial work. Third, the intelligence of law enforcement. At present, in our court work system, law enforcement resources are relatively limited. The application of artificial intelligence technology can make rational allocation and utilization of resources, and realize intelligent and automatic law enforcement. Fourth, intelligent legal services. Artificial intelligence will also have a certain impact on Lawyers' legal services and other public legal services. Artificial intelligence software system can also serve the judicial system, provide automated legal advisory services for the general public, and meet the needs of the people's legal services. The application of legal robot can improve the efficiency of data processing in judicial work, do a good job in data prediction processing, to improve the quality of the algorithm, so as to better reconcile the legal relationship. The combination of artificial intelligence and legal activities, the cooperation between legal person and legal robot, will be a significant trend. In addition, under the artificial intelligence system, the audit of legal contract also presents intelligent development, and the efficiency of contract audit is greatly improved. For those simple contracts that can be standardized, we can design an intelligent contract audit system to improve the efficiency of enterprise contract management. For those complicated contracts that need multi-party communication and multi field judgment, experienced legal staff are still needed to audit.

Summary

Under the new situation, the application of artificial intelligence technology, big data technology and blockchain technology provides new development opportunities for China's legal industry, which can further improve the efficiency of judicial work. Artificial intelligence will also have a certain impact on Lawyers' legal services and other public legal services. Artificial intelligence software system can also serve the judicial system, provide automated legal advisory services for the general public, and meet the needs of the people's legal services. The application of online court, digital justice, legal code and so on can also enhance the role of auxiliary tools in the legal industry, and effectively integrate judicial work with information technology. In the future, the integration of artificial intelligence technology and blockchain technology with judicial work will help to improve the efficiency of judicial work, ensure the fairness of legal affairs, and safeguard the interests of the general public. It is believed that in the future, the intelligence level of judicial work will be higher, and the quality of judicial work will be further improved, so as to seek more interests for the people and better solve interest disputes.

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