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The Role of Artificial Intelligence in the Legal System

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Abstract:
By improving accessibility, accuracy, and efficiency, artificial intelligence (AI) is transforming the legal system. This study explores the various applications of AI in legal procedures, including automated legal processes and predictive analytics for case outcomes.
Investigation and document administration. AI-powered technologies speed up case resolution, lessen human prejudice, and provide data-driven insights to improve judicial decision-making. But integrating AI also brings up important ethical and legal questions about accountability, transparency, and the possibility of systematic biases. This paper examines the legislative frameworks required to guarantee ethical AI deployment, gives a thorough review of AI applications in the court, and assesses their effects on the legal system.

Keywords: Predictive analytics, Legal technology, Artificial intelligence (AI), Judicial system, and ethical consequences

Introduction:

Artificial Intelligence (AI) has brought about a the court system's new era, which promises revolutionary modifications to the administration of justice. AI systems, such as natural language processing, machine learning, and Predictive analytics are being used more frequently to expedite the legal system. These developments provide the potential to improve case management's effectiveness, enhance the precision of legal research and offer predictive information on the results of cases. AI-driven instruments can automate repetitive tasks to help courts and attorneys, enabling legal experts to concentrate on more complicated and complex facets of instances. Despite the many benefits, the application of AI in the legal system also presents serious difficulties. Important challenges that need to be addressed include worries about the ethical ramifications, possible biases in AI systems, and the requirement for strong regulatory frameworks. This essay examines the many uses of AI in the judicial system, evaluates its effects, and talks about the moral and legal issues surrounding its application.
The judicial system is only one of the many industries that artificial intelligence (AI) has been revolutionizing. AI's incorporation into the legal system promises to completely transform the provision of legal services, from automating repetitive activities to forecasting court decisions. This article investigates the application of AI in the legal field, looking at its use in various nations, its potential in India, and the benefits and downsides that come with it. Artificial intelligence is a developing field of technology that uses machines to mimic human intelligence.

Synthetic intelligence is the study of creating computers and other devices that can think, analyze, and act in ways that would typically need a human mind or involve fact sets larger than those that humans can handle. AI isn't inherently superior or inferior. Depending on how it is made and employed, it is a tool that may be used for both good and evil. Technology is crucial to using AI responsibly and cautiously, ensuring that technology is developed and applied morally and openly.
Creating systems that can analyze large datasets, identify patterns, and make fact-based decisions is one of AI's top goals. Finance, healthcare, transportation, and manufacturing are just a few of the industries that benefit from this ability to solve issues and make decisions effectively. Four types of artificial intelligence exist:

- reactive,
- limited memory,
- theory of mind, and
- self-consciousness.

AI that reacts:
Reactive AI, which is intended to provide predictable results based solely on the information it gets, is the most advanced primary form of artificial intelligence. Reactive robots are unable to analyze actions or see the past or future, and they consistently react to similar situations in the same way every time.

AI with Limited Memory:
AI gains knowledge by observing behaviors or statistics, and it learns from beyond. This type of artificial intelligence uses pre-programmed knowledge and historical observational data to create predictions and carry out complex classification tasks. In recent years, it has become the most widely used form of artificial intelligence.

AI Theory of Mind:
This type of AI has the potential to give computer systems human-like decision-making capabilities. When interacting with humans, AI-enabled devices are able to identify and store emotions as well as change their behavior in response to those emotions. However, there are several obstacles to creating a theory of mind AI because the method of altering behavior mostly based on shifting emotions is so flexible in human communication. It's difficult to duplicate when we attempt to put together ever-more emotionally complex computer systems.
The Kismet robotic head, created by Professor Cynthia Breazeal, can recognize emotional cues in human expressions and replicate them on its own. Sophia is a humanoid robot built by Hanson Robotics in Hong Kong that uses her own facial expressions to identify faces and react to interactions.

AI that is self-conscious:
Self-aware AI is the most advanced form of artificial intelligence. Computer systems will reach a level of awareness and mental capacity comparable to humans when they are able to identify their own emotions as well as those of others around them. This form of AI may also have needs, wants, and emotions. Artificial intelligence makes it possible for technical systems to observe their surroundings, interact with what they see, solve problems, and take action to accomplish a beneficial objective. Artificial intelligence increases the speed, precision, and effectiveness of human endeavors.

AI's Function and Application in Legal Systems:

The use of AI could benefit the legal industry. technologies that could speed up making decisions by automating repetitive tasks and simplifying legal research. Furthermore, the operation of An algorithm for technology learning is called artificial intelligence. that could enhance the assessment of legal components by effectively handling substantial volumes of legal content, such as laws, rules, and case law. Relevant data may be accessed using Natural Language NLP, which enables attorneys to recognize precedents, legal precepts, and intricate minutiae that could influence a court case's final outcome. The purpose of this article is to raise the general effectiveness of legal professionals and enhance the correctness of legal research.

AI also gives the legal sector predictive analytics skills. By analyzing patterns and connections in legal databases, AI systems can offer insights into case outcomes, enabling judges and legal professionals to make more informed decisions. Particularly in situations where subjective judgment is crucial, predictive analytics can aid in ensuring that legal outcomes are equitable and consistent. Legal practitioners can use this AI technology to get essential information to assist them understand and apply the law.

AI technologies also have the potential to enhance legal document management procedures. Tasks like contract analysis and due diligence can be automated and streamlined with the use of machine learning and natural language processing techniques. These technologies can classify documents, extract pertinent information, and spot anomalies or potential threats. They consequently increase the accuracy of document analysis, expedite the review process, and efficiently lessen the requirement for human labor. AI has many advantages for legal decision-making, but before it can be fully implemented in the legal system, serious ethical issues need to be resolved. One major issue with AI systems is their lack of transparency and comprehensibility.

Black-box models and deep learning algorithms often make accurate predictions without offering clear justifications for their reasoning, casting doubt on the accuracy of outcomes produced by AI. To conquer AI models need to provide understandable explanations for this problem. for their forecasts, enabling legal professionals to understand and examine the underlying argument. The accessibility of AI systems that are visible and understandable can increase decision-making trust and make evaluating AI-generated results easier.

The potential for bias in AI-based legal decision-making is another serious ethical concern. Prejudices in society may be strengthened and perpetuated by AI systems trained on inaccurate or biased data. Previous societal preconceptions can be exposed via biased training data, which can result in unfair outcomes and discriminating behavior. Concerns regarding the dependability of AI-generated findings are raised by the fact that deep learning algorithms and other black-box models frequently provide accurate forecasts without offering clear justifications for their reasoning. In order to solve this problem, AI models must provide comprehensible justifications for their forecasts so that legal professionals can understand and evaluate the underlying logic.

When AI is used to make legal decisions, issues with data security and privacy come up. Large datasets, especially private and sensitive information, are a major component of AI systems. Strong data protection measures must therefore be put in place to protect people's privacy while still abiding by pertinent legal and regulatory requirements. To reduce the dangers of unauthorized access, data breaches, and unlawful use of personal information, legal professionals and AI developers must prioritize data privacy and put appropriate security measures in place.

The advantages and moral dilemmas of using artificial intelligence in legal decision-making are examined in this thorough study. Numerous potential advantages of AI in various fields were discovered by the literature review. These advantages include shorter decision-making times, better legal analysis and research, better predictive analytics, and more efficient document management processes. However, it is crucial to handle ethical issues, such as discrimination, explain ability, and data security and privacy. This study aims to provide insights, analysis, and possible recommendations for the proper integration of AI into legal decision-making by defining research subjects and objectives. The objective is to optimize AI's advantages while reducing any risks and guaranteeing moral and just procedures in the legal system.

The global significance of artificial intelligence:

The United States of America has led the way in incorporating AI into its legal system. By offering pertinent case law and legal views, AI-powered platforms like ROSS Intelligence—which makes use of IBM Watson—assist attorneys in their legal research. By analyzing previous court rulings to forecast future litigation outcomes, predictive analytics tools like Lex Machina help attorneys develop more effective strategies. Additionally, the review process is streamlined by AI-powered contract analysis tools, which drastically cut down on time and expense. AI is also used by the US Sentencing Commission to develop and implement sentencing guidelines that guarantee just and appropriate punishment. Chabot is used by the US court system to answer often asked questions from the public on scheduling, court procedures, and other significant matters. This increases everyone's access to information while reducing the work required by court officials.

In the United Kingdom:

AI applications are likewise becoming more and more popular in the UK. For instance, Luminance employs machine learning to assess and examine massive volumes of documents, finding trends and anomalies that would take humans a long time to notice. In an effort to improve the effectiveness of the legal system, UK courts have experimented with AI to forecast case outcomes and manage case backlogs. The Digital Case System for Crown Court was introduced by the UK Ministry of Justice in 2020. It reduces the usage of paper by providing real-time case updates, remote court participation, and the ability to submit evidence online. Criminal law barristers who use the online portal receive advise from the Bar Council's Ethics Committee.

In China:

China has actively incorporated AI into its judicial system, including smart courts and AI judges. Artificial intelligence is used by Chinese courts to conduct legal studies. Judges can quickly find crucial legal papers thanks to the AI-powered "China Judgments Online" tool. AI has been incorporated by the Chinese Supreme People's Court to assist in the filing of cases, the submission of evidence, and the rendering of verdicts. AI judges help with small cases so that human judges can concentrate on more complicated matters. The goal of this integration is to lessen human bias and expedite the legal system.

The Indian Legal System and AI:

The incorporation of AI technology has enormous potential benefits for India's legal system, which is marked by a substantial backlog of cases and limited resources. Even while AI adoption in India's judicial system is still in its infancy, a number of encouraging developments point to the technology's potential for revolutionary change. As of right now, India has no specific laws governing artificial intelligence. The executive body for AI-related strategies is the Ministry of Electronics and Information Technology (MEITY), which has formed committees to provide an AI policy framework.

India's main data protection laws are the Information Technology Act and the recommendations that go along with it. Additionally, MEITY introduced the Digital Personal Data Protection Bill, which is currently undergoing formal passage. If this measure is passed into law, people will have access to information about the data that both public and private organizations have collected from them, as well as the methods by which it has been handled and stored.

Seven responsible AI principles—safety and reliability, equality, inclusivity and nondiscrimination, privacy and security, transparency and accountability, and the preservation and upholding of good human values—have been developed by the Niti Ayog. AI technologies could speed up India's legal research and document review procedures. The right to privacy is one of the fundamental rights that the Supreme Court and higher courts are legally obligated to uphold.

The right to privacy is one of the fundamental rights that the Supreme Court and higher courts are legally obligated to uphold. In order to provide insights and data analytics on judicial precedent, the Supreme Court of India has started developing platforms like Manthan. By helping attorneys swiftly access pertinent case laws and legal provisions, these technologies improve their accuracy and efficiency. This is especially helpful in a system where doing a lot of research might be labor-intensive and time-consuming.

The creation and upkeep of smart contracts—self-executing contracts with conditions written directly into code—may be made simpler by the combination of block chain technology and artificial intelligence. By automatically upholding contract terms, this can promote openness and reduce disputes. Smart contracts can streamline procedures and lessen the burden on courts by minimizing the need for judicial intervention in contract enforcement. In industries where contract disputes are frequent, such as supply chain management, real estate, and finance, this technology shows great promise.

The goal of natural language processing is to build robots that can write and speak like humans, as well as understand and react to text or voice input. Machine translation and spam detection (Google Translate). Text summarization (Blinkst), social media sentiment analysis (to find hidden insights), and virtual agents and chatbots (like Apple Siri and Amazon Alexa) A new voluntary framework for creating safe AI products has been devised by a global coalition of data scientists and AI experts. There are 25,000 members of the World Ethical Data Foundation, including employees of major internet companies including Meta, Google, and Samsung. Before starting an AI project, developers should think about the 84 questions on the framework's checklist.

All things considered, the incorporation of AI into the Indian judicial system holds the potential to improve accessibility, accuracy, and efficiency. The potential advantages of AI in legal research, predictive analytics, case management, and smart contracts are substantial, even though the process of mainstream adoption is still in its early stages. To fully utilize AI and make sure that it enhances the knowledge and discretion of Indian legal experts, it would be essential to address the related issues. Given its substantial backlog of cases and limited resources, India's legal system would greatly benefit from the integration of AI.

Although adoption is still in its early stages, legal research and document review processes should be improved. AI tools can speed up document inspection and legal research. AI is starting to be used by platforms like Manthan, which was created by the Indian Supreme Court, to offer data analytics and insights on court precedents. By providing lawyers with rapid access to pertinent case laws and legal provisions, these technologies improve their accuracy and efficiency.

Analytical Predictive:
Based on past data, AI's predictive powers can help predict litigation outcomes. In India, where overworked courts are dealing with an astounding volume of pending cases, this can be very helpful. By assisting attorneys in evaluating the merits of their cases, predictive analytics can improve decision-making and possibly cut down on pointless litigation. Case Management By automating routine administrative tasks like setting up hearings, notifying parties, and maintaining case files, artificial intelligence has the potential to revolutionize case management. This might significantly reduce the administrative workload for court employees, allowing them to concentrate on other crucial tasks.

Block chain and Smart Contracts:
AI and block chain technology can make it easier to create and maintain smart contracts, guaranteeing transparency and lowering conflict. Smart contracts reduce the need for court participation in contract enforcement by automatically executing and enforcing contract provisions.

Advantages of Artificial Intelligence in the Legal System:

1. Speed and Efficiency: From Manual Labor to Computational Speed

The conventional legal procedure is infamously labor-intensive. Through Natural Language Processing (NLP) and Electronic Discovery (e-Discovery), AI changes this. Quick Document assessment: AI-powered "Predictive Coding" can classify millions of documents in a matter of hours, highlighting just the pertinent ones for human assessment, whereas a team of junior associates could need weeks to examine thousands of emails or contracts for a discovery request. Predictive analytics: AI can identify the most time-efficient litigation strategy by analyzing judge-specific trends, prior decisions on related motions, and the history of opposing counsel.

2. Precision and Uniformity: Reducing Human Cognitive Prejudice

Fatigue, "ego depletion," and unconscious bias are common in human legal work. AI offers a uniform standard for legal analysis.

Due Diligence Precision: It can cost millions of dollars to overlook even one "Change of Control" provision in mergers and acquisitions (M&A). With a level of microscopic information that human eyes frequently overlook after hours of reading, AI systems are trained to scan thousands of contracts at once, spotting irregularities or missing terms.

Standardization of Sentencing and Bail: AI can help with "Decision Support Systems" that give judges historical data points on sentencing for similar crimes, which helps lessen the "lottery" effect where two different judges might give wildly different sentences for the same offense. However, this is controversial if it is not closely monitored.

Quality Assurance: AI "proofreading" for legal documents extends beyond grammar; it also detects internal contradictions in intricate legal arguments, verifies that a cited case hasn't been overturned (LexisNexis/Westlaw integration), and checks for citation correctness (Bluebook/OSCOLA).

3. Democratizing the "Black Box" of Law via Accessibility

The "Justice Gap" is a result of the expensive expense of entering the legal system. AI multiplies the

impact of accessibility.
Self-Help Chatbots: AI chatbots, such as DoNotPay, can assist citizens with basic legal matters, such as traffic fines, tenant disputes, or small claims, without the $300-per-hour cost of a human attorney.
Template Generation for SMEs: Using AI-driven platforms, small and medium-sized businesses can create "bespoke" legal documents, such as employment agreements or NDAs, that are less expensive than engaging a law firm but more legally sound than generic online templates.
Language Translation and Plain-English Conversion: AI is capable of translating complicated "legalese" into plain language, guaranteeing that litigants and defendants truly comprehend the charges they are facing or the documents they are signing—a crucial component of procedural justice.

4. Backlog Reduction: Handling the Pendency Crisis

AI provides a technological "relief valve" in countries like India where millions of cases are still outstanding.
Intelligent Case Routing: AI is capable of automatically classifying incoming cases according to their complexity and subject matter, directing them to specialized benches or recommending Alternative Dispute Resolution (ADR) in situations when a full trial is not strictly necessary.
Automated Administrative Tasks: The filing, scheduling, and serving of summonses account for a large percentage of court delays. AI can automate the "lifecycle" of a case file, simplifying the digital exchange of evidence between parties and setting off automatic deadline alarms.
ODR (Online Dispute Resolution): By serving as an impartial mediator and evaluating the "bottom line" of both parties, AI-driven systems can help settle civil cases without requiring a judge to spend time in open court.

AI's negative effects on the legal system:

Even though generative AI has a lot of potential, there are issues with using it in legal practice. Legal professionals may encounter difficulties comprehending and utilizing AI technology, including the following:

1. **Ethical Issues:** The application of AI in the legal system raises ethical issues, particularly those related to transparency and responsibility. It may be challenging to understand how AI systems make decisions because they are opaque. Algorithmic bias and client confidentiality are ethical concerns that arise when AI is used in legal practice. In addition to navigating these moral dilemmas, legal professionals must use AI tools sensibly and morally. The potential for algorithmic bias, in which AI systems inadvertently reinforce or amplify preexisting prejudices, is another significant concern. This issue is particularly serious in delicate areas like criminal justice, where prejudiced AI could affect parole or sentencing recommendations. Additionally, in the era of AI, protecting consumer privacy requires careful attention to detail. The legal system's credibility may be damaged by this lack of openness.
2. **Bias and Fairness:** AI systems have the potential to reinforce existing legal biases if they are not rigorously supervised. The biases present in historical data may be reflected in algorithms trained on it, leading to unfair choices. A major challenge is making sure AI systems are impartial and fair.
3. **Job Displacement:** AI's automation of routine legal tasks could lead to job displacement, especially for paralegals and junior advocates. AI can enhance human abilities, but it also puts jobs in the legal industry at danger. Even though AI has numerous benefits, it's important to acknowledge worries about potential job displacement in the legal industry. Certain legal obligations may change or

evolve when AI automates tasks. In order to provide junior advocates with a variety of opportunities in the legal field, law schools should begin teaching artificial intelligence in the near future.

4. **Technology Dependency:** If legal professionals rely too much on AI, their capacity for critical thought and analysis may deteriorate. Finding a balance where AI enhances human judgment and expertise without taking its place is crucial. Attorneys who are unfamiliar with computational concepts may encounter a challenging learning curve because generative AI systems employ complex algorithms and require a thorough understanding of machine learning principles.

Conclusion:

AI has the potential to improve the legal system's effectiveness, accuracy, and accessibility. India is still in the early phases of using AI into its legal systems, in contrast to nations like the United States, the United Kingdom, and China. AI has many benefits for the judicial system, such as improved accessibility, accuracy, and efficiency. These advantages do, however, come with drawbacks, including potential biases, employment displacement, ethical issues, and an excessive reliance on technology.

These issues must be resolved by strong regulatory frameworks and ongoing oversight if AI is to be successfully incorporated into the Indian legal system. By doing this, AI can enhance human knowledge and create a more effective and equitable judicial system. AI is not flawless, and it has been shown to produce faulty and erroneous outcomes. Legal analysis and case citations must be carefully reviewed and fact-checked, and applying AI necessitates a time and attention commitment by attorneys to ensure that any results are reliable and pertinent. Legal professionals must perform a thorough evaluation due to the potential for errors in AI outcomes. AI-powered legal research tools, for instance, might expedite preliminary research, but attorneys still need to review the findings to ensure they are accurate.

The legal industry is in a good position to apply AI in meaningful and practical ways for both clients and practitioners. Attorneys may improve the quality of their work and get better outcomes for their clients by mastering rapid engineering techniques and knowing how to apply AI on various platforms.

The legal profession faces both advantages and challenges from the integration of AI. Even if AI can increase productivity and efficiency, lawyers need to be cautious about these developments to prevent any unfavorable outcomes and guarantee that the technology is used ethically. Attorneys must first understand how to communicate with their algorithms in order to use Generative AI technology effectively and produce findings that are useful. Putting it into practice is one way to gain this technical know-how and strategic comprehension.

Don't let the initial outcomes deter you from utilizing AI in your work. Try different approaches to the same problem. Improve the way you create queries. Boost qualifications, modifications, and specificity. Analyze and evaluate AI-generated results to develop your critical thinking skills. Attorneys need to be aware of and take advantage of artificial intelligence's advantages. This entails a change in the way lawyers approach their work, requiring them to pick up new abilities and adjust to changing technology environments. Even while integrating AI into legal practice could seem intimidating at first, there are a number of opportunities for innovation and professional growth.

Beginning with the Maharashtra political conflict case, the use of artificial intelligence to digitize Supreme Court cases is a significant advancement. However, the use of AI presents challenges and ethical dilemmas, particularly with regard to possible biases in AI systems and the requirement for transparency. ICT tools are being used by the Supreme Court of India to enhance access to justice and its administration. AI, system-learning, and deep learning systems are also capable of effectively transcribing oral arguments and court proceedings and presenting them in real-time on courtroom television.

References:

1. Welsh S, Lütge C, Bartneck C, and Wagner A. AI privacy concerns. Motives for Humanitarian Intervention. Motivations for Humanitarian Intervention, 2021, 61–70. https://doi.org/10.1007/978-3-030-51110-4_8
2. AI privacy concerns, Wagner A, Bartneck C, Welsh S, and Lütge C. reasons for humanitarian intervention. Motivations for Humanitarian Intervention, 2021, 61–70. https://doi.org/10.1007/978-3-030-51110-4_8
3. Welsh S, Lütge C, Wagner A, and Bartneck C. AI privacy concerns. An outline of robotics and artificial intelligence ethics. Ethics Briefs from Springer. Springer Cham, 2021. https://doi.org/10.1007/978-3-030-51110-4_8
4. Bennett Moses, Lyria Legg Michael, Silove Jacob, Felicity Bell, and Zalnieriute Monika. A Courts and AI Decision-Making Guide for Judges, Tribunal Members, and Court Administrators. In 2022, The Institute of Judicial Administration in Australia SSRN-accessible: https://ssrn.com/abstract=4162985
5. Artificial Intelligence: Authorship/Ownership and Copyright Issues? (2022) Indian Journal of Law and Justice, 13 (2), 212-238 Chaudhary, G.
6. Fosch-Villaronga E, Lutz C, Felzmann H, et al. Artificial intelligence design for transparency. Ethics in Science and Engineering, 2020:26:3333–3361. https://doi.org/10.1007/s11948-020-00276-4
7. Lutz C, Villaronga EF, Felzmann H, Tamò Larrieux A. Transparency that you can trust: Artificial intelligence must be transparent between contextual factors and regulatory requirements. 6(1), 2019; Big Data & Society. 10.1177/2053951719860542 https://doi.org/
8. Ho J H, Lu M T, Lee G G. Examining the Application of a Legal AI Bot in Sustainable Development Legal Advisory Organizations. Sustainability, 2020:12(15):5991. https://doi.org/10.3390/su1215591
9. Borgesius FZ, Hoofnagle CJ, and van der Sloot B. What is the EU's general data protection law? 2019:28(1):65–98; Inf. Commun. Technol. Law.
10. Jian Li, Jinsong Huang, and Boyuan Ni. Perception of Machine Communicative Responsibility: The Functional and Emotional Communicative Responsibilities of AI Partners and Advisors. International Journal of Human-Computer Interaction, 2023, 1-2.
11. Roth A, Kearns M. The Ethical Algorithm: The Science of Socially Conscious Algorithm Design. Oxford University Press, Oxford, 2019.
12. A survey on bias and equity in machine learning by Mehrabi N, Galstyan A, Saxena N, Lerman K, and Morstatter F. ACM Comput. Surv., 2021:54(6): 1–35.
13. Miller T. Social Science Perspectives on Artificial Intelligence. Artificial Intelligence, 2019:267:1–38.
14. Hameed BMZ, Shetty DK, Swain D, Shah M, Paul R, Naik N, et al. Healthcare Artificial Intelligence: Ethical and Legal Concerns: Who Is in Charge? The doi is 10.3389/fsurg.2022.862322. Front Surg, 2022:14:9:862322. PMID: 35360424; PMCID: PMC8963864.
15. Naudé W, Dimitri N. The race for an artificial general intelligence and its consequences for public policy. AI & Society, 2020:35:367–379.

16. Ozlem Ozmen Garibay, Brent Winslow, Salvatore Andolina, and others Human-Centered Artificial Intelligence: Six Major Challenges The doi is 10.1080/10447318.2022.2153320. Human-Computer Interaction International Journal, 2023:39(3):391-437.
17. Salvatore Andolina and Joseph A. Konstan. An outline of the Special Issue on AI, Decision-Making, and Human Impact. International Journal of Human-Computer Interaction, 2023:39(7):1367-1370.
18. Bankins S, Shoss M, Warburton J, Restubog SLD, Selenko E. A functional-identity view of artificial intelligence and labor in the future. Current Directions in Psychological Science, 2022:31(3), 272-279.
19. The ethical black box argument, Winfield AF, Jirotka M. 262-273 in Autonomous Robotic Systems Annual Conference, Springer, Cham, 2017.