## Artificial Intelligence In The Indian Judiciary: Current Applications And Future Prospects

### Prof. (Dr.) Ashutosh Mishra<sup>1</sup> Ms. Ritu Sharma<sup>2</sup>

 <sup>1</sup> Professor, Dr. B. R. Ambedkar National Law University, Sonepat.
 <sup>2</sup>Assistant professor, BJR Institute of law, Bundelkhand university, Jhansi.

#### Abstract

The Indian judicial system is grappling with a significant challenge due to the exponential growth in population over the decades coupled with a shortage of judges. As a consequence, there has been a substantial increase in the number of pending cases, and inefficiencies in court processes have become more pronounced. This paper explores the potential of Artificial Intelligence in addressing the challenges faced by the Indian judicial system. It thoroughly examines the existing use of Artificial Intelligence by the judicial system, including SUPACE, systems like SUVAAS, and E-Filling. Furthermore, the article explores the potential applications of artificial intelligence in the Indian judicial system and the use of artificial intelligence by judicial systems around the world. It also scrutinizes the regulatory approaches towards Artificial Intelligence followed by developed countries and the Indian authorities. Additionally, it discusses the future challenges associated with the adoption of Artificial Intelligence in the legal sector and emphasizes the important factors to consider when implementing Artificial Intelligence in the judicial system.

#### Introduction

The Indian judicial system is currently facing a significant barrier: a massive accumulation of pending cases that impedes the efficient administration of justice. India's population has surpassed China's, and its people are becoming more

<sup>&</sup>lt;sup>1</sup> Professor, Dr. B. R. Ambedkar National Law University, Sonepat.
<sup>2</sup> Assistant professor, BJR Institute of law, Bundelkhand university, Jhansi

materialistic, intolerant, and contentious. This has resulted in a significant increase in both civil and criminal cases, resulting in an overwhelming number of pending cases.<sup>3</sup> The Indian population has become more materialistic, intolerant, and litigious. This has resulted in a significant increase in both civil and criminal cases, resulting in an overwhelming number of pending cases. Consequently, the Indian judiciary is under an immense amount of stress, making it difficult for them to carry out their essential mission of delivering justice. This challenge requires urgent attention to find innovative solutions that can help address the backlog of cases and improve the efficiency of the judicial system. Use of the Artificial Intelligence in different sectors of the judiciary is one of the potential solutions to this problem.



Infographic 1 - Pending Cases in all the District and Taluka Courts

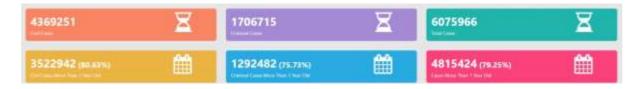
(Source: - National Judicial Data Grid)

Recent statistics indicate that the total number of pending cases in the District and Taluka Courts of India is alarmingly high, with 43,415,985 cases pending in total. These cases consist of both civil and criminal cases, with 10,904,010 civil cases and 32,511,975 criminal cases.<sup>4</sup>

Most of these cases, about 68.81%, have been pending for over a year, which is a matter of great concern. Of the civil cases, 6,779,02 (69.32%) have been pending for more than a year, and among the criminal cases, 22,537,774 (67.3%) have also been pending for over a year. These statistics highlight the urgency of finding solutions to address the backlog of cases in the Indian judicial system.

<sup>&</sup>lt;sup>3</sup> India Population. (n.d.). World meters. Retrieved February 13, 2023, from https://www.worldometers.info/world-population/india-population/ (last visited on March 08, 2023)

<sup>&</sup>lt;sup>4</sup> NJDG. (n.d.). Retrieved February 13, 2023, from http://njdg.ecourts.gov.in/njdg\_public/main.php (last visited on March 08, 2023)



Infographic 2 - Pending Cases in all the High Courts of India

(Source: - National Judicial Data Grid)

also more than a year old.<sup>5</sup>

The backlog of cases in the High Courts and Supreme Court of India is also a cause for concern. The High Courts had a total of 6,075,966 pending cases, including 4,369,251 civil cases and 1,706,715 criminal cases. Of these cases, a significant proportion (58%) had been pending for over a year. Among civil cases pending for over a year, 80.63% (3,522,942) were in this category, while 79.25% (4,815,424) of criminal cases were

TYPES OF MATTERS IN SUPREME COURT OF INDIA Pending Matters -68,847 \* [As on 01.04.2023] Admission Matters Regular Hearing Matters (49, 823)(19,024)(Miscellaneous) Complete Ready Not Ready Incomplete (Miscellaneous) (Miscellaneous) (Regular Hearing) (Regular Hearing) (9,442) (18,999) (40,381) (25) [All preliminaries Preliminaries not [In which all [Preliminaries not complete like process Preliminaries are completed after completed like Complete and ready fee not paid/notice yet admission] notice of lodgement not served/ Pleadings For hearing] of appeal Not not completed, etc.] served/statement of case not filed, etc.]

Infographic 3 - Pending Cases in the Supreme Court of India

Source- Supreme Court of India website

<sup>&</sup>lt;sup>5</sup> NJDG. (n.d.)., from http://njdg.ecourts.gov.in/njdg\_public/main.php (last visited on May 09, 2023)

In the Supreme Court, as of April 1, 2023, there were a total of 68,847 pending matters, comprising 49,823 cases classified under Regular Hearing Matters (Miscellaneous) and 19,024 cases classified under Admission Matters. Additionally, there were 40,381 cases classified as Complete (Miscellaneous) and 9,442 cases classified as Incomplete (Miscellaneous). These statistics underscore the need for urgent action to address the backlog of cases in India's judiciary.

One potential solution for the above problem is the utilization of Artificial Intelligence across different sectors of the judiciary. Artificial Intelligence can play a pivotal role in addressing the backlog of cases and improving the efficiency of the Indian judicial system. By employing Artificial Intelligence technologies, the system can automate various timeconsuming tasks, such as document analysis, case management, and legal research. This would significantly reduce the burden on judges, lawyers, and court staff, allowing them to focus more on core judicial functions and decision-making.

#### Meaning of AI

Section 5002(3) - Presents a precise definition of the term "artificial intelligence." As per this provision, artificial intelligence refers to a system that operates through machines and possesses the capacity to make predictions, recommendations, or decisions with the potential to impact real or virtual environments. Importantly, these actions are undertaken within the framework of predetermined human objectives.6

Chief Justice of India, D.Y. Chandrachud, has emphasized the pertinence of technology in fostering efficiency, transparency, and objectivity in the realm of public governance. In this context, artificial intelligence serves as a valuable tool for judges, empowering them to review and evaluate their work, processes, and judgments. Ultimately, the primary objective is to enhance the accessibility of justice for the broader populace in the long run.<sup>7</sup>

<sup>&</sup>lt;sup>6</sup> 4 National Artificial Intelligence Initiative (NAII) Act of 2020, 116th Congress, H.R. 6216, § 5002(3). (2020). Retrieved from https://www.congress.gov/bill/116th-congress/house-bill/6216/text (last visited on May 09, 2023)

PTI Kolkata, "CJI Chandrachud bats for internet-enabled courtrooms in the country," Deccan Herald (last visited on March 10, 3482

#### Current Application of AI in the Indian Judicial System

Artificial intelligence (AI) can significantly transform the decision-making process, making it faster, more accurate, and more efficient. Judges can benefit from AI by accessing relevant information quickly and making informed decisions. The Supreme Court of India has taken several initiatives to address the issue of millions of pending cases in Indian courts, including over 67,000 in the Supreme Court alone, there has been a pressing need for a solution to expedite the judicial process. In response to this challenge, the Supreme Court formed an Artificial Intelligence Committee in 2019. The Artificial Intelligence Committee is responsible for overseeing the implementation and development of AI-based solutions within the judicial domain. It focuses on exploring the potential applications of Artificial Intelligence, including machine learning, pattern recognition, and big data analysis, to enhance various aspects of the

justice delivery system. The committee recognizes the importance of AI in translating judicial documents, assisting in legal research, improving case tracking, and facilitating policy decisions. By harnessing the power of AI, the committee aims to address challenges arising from the volume of cases, geographical complexities, and the need for efficient justice dispensation.<sup>8</sup>

#### SUPACE (Supreme Court Portal for Aid in Courts Efficiency)

The SUPACE (Supreme Court Portal for Aid in Courts Efficiency) is an innovative AI-powered tool developed under the supervision of the Artificial Intelligence Committee of the Supreme Court of India. The platform utilizes machine learning to manage and process vast amounts of case data, providing judges with relevant information to make informed decisions. The platform's AI component only assists in providing information and does not have any decision- making power itself. The SUPACE platform aims to combine the capabilities of both human and artificial intelligence to improve efficiency

<sup>2023),</sup>https://www.deccanherald.com/national/cji-chandrachud-bats-for-internet-

enabledcourtrooms-in-the-country-1196306.ht (last visited May. 9, 2023)

<sup>&</sup>lt;sup>8</sup> Using Artificial Intelligence in Judiciary: It's already more than You Think," Tech Law Dialogue

https://www.techlawdialogue.net/2021/03/use-of-artificialintelligence-as-courts-tools-injudiciary%20.html. (Last visited on May 10, 2023)

and ultimately result in faster resolution of cases. SUPACE utilizes a four-part AI-powered workflow, which consists of a file preview, a chatbot, a logic gate, and a notebook. Case files, typically available as PDFs, are converted into text, and the chatbot provides a quick overview of the case through text and voice capabilities. The fact extraction system retrieves relevant information such as case overviews, chronology, and judgments. Furthermore, an integrated word processor allows for seamless document drafting, making SUPACE a comprehensive end-to-end system.

It is important to note that the AI system in SUPACE is trained based on patterns and information extracted and annotated by human users. This training process enables the AI to learn and improve its performance over time. Implemented as an online portal accessible through a login ID and password, SUPACE provides a digital infrastructure that aligns with the ongoing digitization efforts in India. By leveraging its robust workflow and machine learning capabilities, SUPACE harnesses the power of digitization, unlocking its full potential in the legal domain. As part of the implementation, high court judges have been recommended to utilize SUPACE to enhance their efficiency and streamline the judicial process.

#### Supreme Court Vidhik Anuvaad Software (SUVAS)

India is a country of linguistic diversity and boasts a rich tapestry of languages. However, a significant challenge arises when it comes to translating judicial decisions, particularly for those who are not well-versed in the English language. To solve this problem the Supreme Court Vidhik Anuvaad Software (SUVAS) is a ground-breaking AI-powered tool that has been developed by the Supreme Court of India.<sup>9</sup>

SUVAS addresses a significant challenge in the legal domain by facilitating the translation of judicial domain English documents into vernacular languages and vice-versa. This capability ensures that legal documents, judgments, and court proceedings can be effectively communicated and understood by individuals who are more comfortable with vernacular languages. By harnessing the power of Artificial Intelligence,

<sup>&</sup>lt;sup>9</sup> Supreme Court E-committee, "Digital Courts Vision & Roadmap Phase III of the eCourts Project,"

https://cdnbbsr.s3waas.gov.in/s388ef51f0bf911e452e8dbb1d807a8 1ab/uploads/2021/04/2021040344.pdf (last visited May. 10, 2023).

SUVAS offers several advantages. Firstly, it enables efficient and accurate translation, minimizing the chances of misinterpretation or misunderstanding due to language barriers. This is particularly important in a diverse country like India, where numerous regional languages are spoken. Moreover, SUVAS promotes accessibility and inclusivity in the judiciary. It breaks down the linguistic barriers that may hinder access to legal information and services for individuals who are not proficient in English. This empowers citizens to participate more actively in the justice delivery system and exercise their rights by enabling them to comprehend legal proceedings and documents in their preferred language.

SUVAS embodies the judiciary's commitment to leveraging advanced technologies for the benefit of all stakeholders. It reflects the judiciary's proactive approach to embracing digital transformation and ensuring that technology is harnessed to improve access to justice and promote equitable legal services.

#### **E-Court project**

The eCourts project is a pioneering initiative that has brought about a revolutionary transformation in the Indian judicial system by leveraging technology to enhance access to justice. With its comprehensive range of services, including virtual courts, e-filing, and advanced case management tools, the project has significantly improved the efficiency and transparency of the judiciary. One of the primary objectives of the eCourts project is to establish virtual courts, enabling litigants and advocates to participate in hearings remotely. This digital approach eliminates the need for physical visits to court premises, saving time, and resources, and reducing logistical challenges. As of January 2023, over 1.46 crore cases have been heard through virtual courts, showcasing the growing acceptance and success of this technology-driven model.

The project has also placed great emphasis on the development of an advanced e-filing system. The recently rolled-out version 3.0 of the eFiling system incorporates upgraded features, enhancing its usability and functionality. To ensure a comprehensive approach, draft eFiling rules have been formulated and circulated to High Courts for feedback and suggestions. The eFiling system has been instrumental in streamlining the filing process, with more than 5.60 crore cases filed electronically as of January 2023. The impact of the

eCourts project has been far-reaching and transformative. It has significantly improved case management efficiency, reduced paperwork, and increased transparency in the judicial process. By December 2022, over 7.98 crore cases had been disposed of electronically, thereby reducing the pendency of cases and ensuring timely justice delivery.<sup>10</sup>

Looking ahead, the eCourts project aims to expand and enhance its services. Integration with other government departments and agencies is a priority, as it would facilitate seamless information exchange and collaboration. Moreover, the project plans to introduce new modules and features, such as online payment of court fees and digitization of court records and evidence, to further streamline the judicial process and enhance accessibility.

By adopting advanced technologies in the judiciary system, court proceedings have become more efficient and streamlined, making justice more accessible to people from different parts of the country. The use of cutting-edge technology has also reduced the workload of judges and other court staff, allowing them to focus on more critical tasks such as adjudicating cases and ensuring justice is served. As technology continues to advance, the Indian judiciary must continue to embrace new technologies and integrate them into its operations to ensure that justice is served fairly and efficiently.

#### Potential Uses of AI in Transforming the Indian Judicial

The Indian legal system has been struggling with a massive backlog of cases, causing significant inefficiencies in the court system. However, integrating Artificial Intelligence (AI) into the judicial process can potentially transform the way the Indian judiciary functions. AI has the potential to revolutionize the legal industry in various ways, from improving administrative tasks to enhancing access to justice and enabling more informed decision- making. Some of the possible uses of AI in the Indian legal system are:

<sup>&</sup>lt;sup>10</sup> Supreme Court E-committee, "Digital Courts Vision & Roadmap Phase III of the eCourts Project," https://cdnbbsr.s3waas.gov.in/s388ef51f0bf911e452e8dbb1d807a8 1ab/uploads/2021/04/2021040344.pdf (last visited May. 12, 2023).

#### Streamlining Administrative Tasks

One way in which AI can improve the Indian legal system is by simplifying administrative tasks. AI tools can automate routine tasks such as case tracking, document management, scheduling, and more. This would enable judicial staff to focus on more complex legal work, reducing the burden of repetitive administrative tasks. By automating these processes, AI can help increase efficiency and reduce errors, ultimately leading to faster case resolution.

#### Virtual Courts

As virtual courts become more prevalent in the Indian judiciary, incorporating AI can be a game-changer in enhancing their efficiency. AI can assist in streamlining different processes in virtual courts, leading to faster case resolution and improved access to justice. One significant benefit of utilizing AI in virtual courts is its ability to analyze vast amounts of data quickly and accurately. This can assist judges in making informed decisions based on previous judgments and case law. Additionally, AI can be used to automate certain administrative tasks, such as

scheduling hearings, sending reminders to parties, and updating case information. This not only reduces the burden on court staff but also minimizes the chances of errors and delays in the process.<sup>11</sup>

#### AI-Powered Legal Research Tools

Legal research and analysis can be a daunting and timeconsuming task for lawyers and judges. However, machine learning (ML) algorithms can provide intelligent analytics and research support to these professionals. Legal analytics and research tools, powered by ML algorithms, can offer valuable assistance to lawyers, judges, and the public at large. For example, an AI- driven tool can analyze and classify legal documents such as case reports, dockets, and pleadings, saving valuable time and improving accuracy. Similarly, an AIbased tool can identify relevant legal precedents, case law, and other authoritative sources that can aid in legal analysis and decision-making.<sup>12</sup>

<sup>&</sup>lt;sup>11</sup> Winter, S. (2020). The Challenges of Artificial Judicial Decision-Making for Liberal Democracy. In Bystranowski, J., Janik, M., & Próchnicki, M. (Eds.), Judicial decision-making: Integrating empirical and theoretical perspectives (forthcoming). <sup>12</sup> Liddy, E. D. (2001). Natural Language Processing. School of

Information Studies - Faculty Scholarship, 31.

#### Al and Improving Decision-Making

Al can transform the Indian judicial system by improving decision-making. With the help of intelligent analytics and research tools, Al can offer detailed legal briefs on cases, highlight key legal issues, and provide insights into similar cases that have been tried before. This can assist judges in making more informed decisions and increase consistency in judgments.<sup>13</sup>

Moreover, AI can analyze large amounts of data and identify patterns, which can be useful in predicting the outcome of a case. This can help parties to reach a settlement or avoid litigation altogether, thus reducing the burden on the courts. Additionally, AI can assist in identifying cases that may be frivolous or lack merit, enabling the courts to focus on more important cases that require attention. Furthermore, AI can be used to develop more efficient and effective methods of case management. For instance, AI tools can help identify cases that have similar issues and streamline the process of bundling them together, thus reducing the time and resources required to handle such cases. Additionally, AI can monitor case progress, identify delays, and predict when a case is likely to be resolved, allowing for better resource allocation and management.<sup>14</sup>

The above examples illustrate the potential uses of AI in the Indian legal system, which can aid in clearing the backlog of cases and streamlining judicial operations. Ultimately, this can lead to an increase in the efficiency of the judiciary.

# Artificial Intelligence Regulation: Global and Indian Perspective

The use of artificial intelligence (AI) has become a major topic of discussion worldwide, leading to various countries and regions proposing laws to regulate its responsible and secure

https://surface.syr.edu/istpub/31

<sup>&</sup>lt;sup>13</sup> Russell, S. J., & Norvig, P. (2009). Artificial Intelligence: A Modern Approach. Prentice Hall.

<sup>&</sup>lt;sup>14</sup> Sanyal, D. (2023, February 5). Speeding up judicial processes: How AI is reshaping Indian legal system. Business Standard.

https://www.business-standard.com/article/technology/speeding-upjudicial-processes-how-ai-is-reshaping-indian-legal-system-123030500550\_1.html (last visited on May 19, 2023)

implementation. One significant development in this area is the European Union's (EU) introduction of the Artificial Intelligence Act in 2021. This act aims to ensure the safety of AI systems and protect the fundamental rights of individuals affected by these systems. It also seeks to prevent market fragmentation within the EU. The proposal of this law has sparked global discussions and prompted other countries to take steps toward regulating AI.

Brazil has adopted a Bill in response to the EU's proposal, aiming to establish a legal framework for AI.<sup>15</sup> This demonstrates the country's commitment to responsible AI development and deployment. Similarly, Canada presented the Digital Charter Implementation Act to its House of Commons in June 2022. This act consists of three pieces of legislation designed to strengthen Canada's data privacy framework and promote the ethical advancement of AI.<sup>16</sup>

India has actively participated in the global discourse on AI regulation. As a member of the Global Partnership on Artificial Intelligence (GPAI), an international initiative promoting responsible and human-centric AI development, India has made significant progress. India currently holds the GPAI Council Chair position as of November, with Rajeev Chandra, the Minister of State for Electronics and Information Technology (MEITY), virtually representing India at the GPAI meeting in Tokyo for the symbolic handover from France. However, India does not currently have specific laws in place to regulate AI and machine learning (ML). Nevertheless, the Ministry of Electronics and Information Technology (MEITY), as the executive agency for AI-related strategies, has recently formed four committees to develop a policy framework for

<sup>&</sup>lt;sup>15</sup> Conceição, L. H. M. da, & Perrone, C. 2022. The Brazilian Proposed Regulation of AI: Contextualization and Perspectives. Media Laws. Retrieved from https://www.medialaws.eu/thebrazilian-proposed-regulation-of-ai- contextualization-andperspectives/ (last visited on May 19, 2023)

<sup>&</sup>lt;sup>16</sup> C-27, 44th Parliament, 1st session. (2021, November 22). An Act to enact the Consumer Privacy Protection Act, the Personal Information and Data Protection Tribunal Act and the Artificial Intelligence and Data Act and to make consequential and related amendments to other Acts. Parliament of Canada. Retrieved from https://www.parl.ca/legisinfo/en/bill/44-1/c-27 (last visited on May 19, 2023)

Al.<sup>17</sup>Additionally, Niti Aayog, a prominent Indian think tank, has formulated seven responsible AI principles covering areas such as safety, equality, privacy, transparency, and accountability. India aims to protect the public interest, foster innovation, and build trust in AI technologies by adhering to these principles.

The Indian government and various departments have collaborated with AI technology companies to implement projects in critical sectors such as education, agriculture, and healthcare. Furthermore. the Department of Telecommunications has established an AI standardization committee to develop interface standards and India's AI stack, thereby advancing the country's AI capabilities. Regulatory bodies in India have also recognized the potential of AI to enhance their operations. For example, the Securities and Exchange Board of India (SEBI) has developed an AI-based system called Picture-based Information News Accumulator and Key Information Analyser. This system scans various stock market shows and compiles a database of recommendations, assisting SEBI in its regulatory functions. Additionally, the Reserve Bank of India (RBI) plans to extensively utilize advanced analytics, AI, and ML to analyze its vast database and enhance regulatory supervision of banks and non- banking financial companies (NBFCs). This initiative aims to strengthen the data-driven surveillance capabilities of the RBI and ensure effective regulatory oversight.

#### **Challenges of Artificial Intelligence**

Artificial Intelligence (AI) has the potential to transform the legal profession by assisting lawyers with legal research and case management, allowing them to focus on more complex tasks while machines take care of routine work. However, there are challenges associated with the use of AI in the judicial system. The accuracy of AI relies heavily on the quality and quantity

of data used to train it, and flawed data can lead to inaccurate results and severe consequences. Furthermore, AI algorithms

<sup>&</sup>lt;sup>17</sup> MeitY proposes data-sharing framework; plans on data monetisation. Analytics India Magazine. Retrieved from https://analyticsindiamag.com/meity-proposes-data-sharing-framework plans on data monotisation/ (last visited on May 10)

framework-plans-on-data-monetisation/ (last visited on May 19, 2023)

can be biased, leading to inappropriate deployment biases and significant implications. Therefore, it is critical to ensure that AI is designed and implemented responsibly to avoid potential biases.<sup>18</sup>

Facial recognition technology, which is used by law enforcement agencies to help identify criminal suspects, faces difficulties in accurately identifying certain demographics, such as women, black individuals, and those aged between 18-30 years old. This disparity is worrying and highlights the ethical implications of AI development and deployment in the judicial system. It is vital to ensure that AI is used fairly and justly and that its implementation is free from bias and discrimination. Despite its many advantages in increasing efficiency and saving time and money for litigants, it is essential to ensure that the use of AI in the judicial system is fair and just and that its implementation is free from bias and discrimination. The adoption of AI in the legal sector has been slower than in other industries, resulting in outdated and unreliable machines and technologies that decrease efficiency. However, AI has the potential to create new, more fulfilling job opportunities, and it is necessary to use AI ethically and responsibly.<sup>19</sup>

To ensure the fair and ethical use of AI in the judicial system, it is crucial to address challenging questions related to transparency, accountability, and potential biases. Establishing broad consultative processes can help promote transparency and accountability, ultimately leading to more just outcomes. The use of AI can improve the effectiveness of the judiciary, but it must be implemented in a responsible and ethical manner.

#### Conclusion

The integration of artificial intelligence (AI) into the Indian

<sup>&</sup>lt;sup>18</sup> Vidhi Centre for Legal Policy. (2020). ODR the future of dispute resolution in India. https://vidhilegalpolicy.in/wpcontent/uploads/2020/07/200727\_The-future-of-dispute-resolution-in-India\_Final- Version.pdf (last visited on May 19, 2023)

<sup>&</sup>lt;sup>19</sup> Press Trust of India. (2021, February 19). Virtual court hearings have increased efficiency, says Justice Kaul. Business Standard. https://www.business-standard.com/article/current-affairs/virtualcourt-hearings-have-increased-efficiency-says-justice-kaul-123021900384 1.html (last visited on May 19, 2023)

judicial system has the potential to bring about a transformative shift in the way justice is delivered. The initiatives such as SUPACE, SUVAS, and the eCourts project have already demonstrated the positive impact of AI in improving access to justice, streamlining administrative tasks, enhancing decision making, and addressing the backlog of cases. These advancements in technology have paved the way for a more efficient, transparent, and inclusive legal system.

The adoption of AI-powered tools and systems, such as AIbased case management, legal research tools, and virtual courts, has significantly improved the efficiency of administrative tasks, allowing judicial staff to focus on more complex legal work. By automating routine processes, AI has reduced errors, increased accuracy, and expedited case resolution, ultimately saving time and resources for both the court system and litigants.

Moreover, AI has facilitated the translation of legal documents into vernacular languages through tools like SUVAS, breaking down language barriers and promoting inclusivity in the judiciary. This has empowered individuals who are more comfortable with vernacular languages to comprehend legal proceedings and documents in their preferred language, ensuring equal access to justice.

Al has also revolutionized legal research and decision-making by providing intelligent analytics, research support, and insights into relevant legal precedents and case law. This has enabled judges to make more informed decisions, promote consistency in judgments, and predict case outcomes, leading to a more efficient and effective judicial process. Additionally, Al has the potential to identify frivolous cases, streamline case management, and allocate resources more effectively, further reducing the backlog of cases and ensuring timely justice delivery.

While the use of AI in the legal system offers significant benefits, it is essential to address the challenges associated with bias, accuracy, and transparency. The quality and quantity of training data, as well as the design and implementation of AI algorithms, must be carefully monitored to prevent biases and discrimination. Ethical considerations and responsible AI practices should guide the development and deployment of AI systems to ensure fairness and avoid perpetuating existing social inequalities.

To achieve the fair and ethical use of AI in the judicial system, it is crucial to establish transparent and accountable processes, engage in broad consultative efforts, and adhere to principles of fairness, equality, privacy, transparency, and accountability. By striking a balance between technological advancements and human-centric values, the Indian legal system can

leverage AI to enhance access to justice, promote efficiency, and uphold the principles of fairness and equity.

As the legal industry continues to evolve and embrace digital transformation, the Indian judiciary must remain open to embracing new technologies, fostering innovation, and adapting to changing times. The responsible and ethical integration of AI into the legal system holds tremendous potential for enhancing the rule of law, improving access to justice, and ensuring a fair and efficient judicial process for all. By embracing AI as a tool to support legal professionals, the Indian judiciary can achieve its goal of delivering justice swiftly, transparently, and equitably in the 21st century and beyond.