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ARTIFICIAL INTELLIGENCE IN LAW: FROM FICTION TO REALITY

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I. ABSTRACT

The future has already been created and AI is the future which has the ability to dominate the entire world. The use of AI has already started but without regulations, it will be like playing with fire. AI is the most powerful and risky tool, which was prepared in very less time while it should have taken double or more of it. It is powerful because it can learn and improve itself automatically without human intervention. More questions will be asked from AI powered chatbot or integrated with existing technology, and the more intelligent it becomes, and it is risky because it has the ability to dominate the entire world. Technology is the output of imagination and imagination doesn't cost anything, but technology does. Today, some AI powered tools are free for everyone which means the data of individuals is a consideration and regulation regarding this is very much needed to secure it. AI can be used in both positive and negative ways, as it totally depends on the user. AI gives more accurate solutions than humans and it has the ability to replace humans, but not completely. The developers of AI are also giving hints about the risks to humans in the future due to this technology. AI can be used in every field and legal field is no exception. Everything is possible with technology and the whole world is witnessing the revolution of the Internet and AI is the next revolution in the tech industry in, so it should be adopted by everyone and used in the best possible way with due care.

II. KEYWORDS

Artificial Intelligence, Artificial Intelligence in Law, Machine Learning, Law, Future of Law, Automation in Law.

III. INTRODUCTION OF ARTIFICIAL INTELLIGENCE

Artificial Intelligence is a computer program that can learn and make decisions based on the data on which it has trained. AI mainly has two approaches, Logic & Rules based, and Pattern based i.e. Machine Learning. The approach of Machine Learning has been

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used by many tech developers in their products such as Chat GPT, Google Bard, Microsoft Bing etc. These are chatbots based on an AI model that first learns, then detects the pattern and then generates the desired results by analyzing the data. AI is continuously evolving by understanding human behavior based on the tasks provided by the humans and with the help of this, it is expanding its ability to perform tasks more efficiently. The AI generative model Chatbot i.e., ChatGPT was developed by OpenAI, which is an artificial intelligence research organization incorporated in America and ChatGPT stands for Chat Generative Pre-Trained Transformer. AI is not a new technology, as it is already being used by several tech companies such as Google in its *Google Search*, Apple in *Siri*, Amazon in *Alexa*, Netflix in *movie recommendations* and many other tech companies are using the artificial intelligence in their products. The Artificial Intelligent gained its name when John McCarthy had held first academic conference in the 1956. AI is of two types, General AI which means one tech product can be used in different fields like humans can do different work and Narrow AI which means it can be used for only a specific purpose, like if AI powered software is made for assisting doctors, then that will only be used by doctors and not by lawyers. Nowadays, the world has Narrow Artificial Intelligence like a company named *Tesla*, owned by Elon Musk², that is using this technology for their cars, which can convert normal cars into driverless cars. AI that was used by Tesla for its cars is based upon data gathered from the roads of the United States. These cars are more compatible with United States roads than Indian roads.

IV. USE OF ARTIFICIAL INTELLIGENCE IN EVERY FIELD

A lot of companies are using artificial intelligence to develop their products such as Robots, Chatbots, Autonomous flying, Security and Surveillance etc. This technology can be used either for the betterment of society or as a weapon against the enemy. As AI is expanding globally, there is a possibility that it will go into the wrong hands too, as it can be used for scams with the public who don't know about this or can manipulate the decisions of humans so that they think that the decision was taken by them but in reality, it will not. As AI is used everywhere through which it is getting inputs from all fields and trying to understand human behaviors. This is another big revolution in the history of technology. AI looks very safe and secure from a distance, but it is far more dangerous than we think. The developers of AI are able to see the risk that is hovering over people. The god father of Deep Learning named 'Geofrey Hinton' expresses his concern about

²Artificial Intelligence for Tesla Motors Self-Driving Cars (Aug 24, 2021), <https://samploon.com/artificial-intelligence-for-tesla-motors-self-driving-cars/> (last visited June 10, 2023).

the AI that eliminates jobs and floods the internet with false information, and it will be difficult to find out which information is true and which is false. He has quit his job at Google not to criticize the tech giant but to talk more freely about the upcoming risks from AI. Recently, Google³ developed its AI Chatbot named "Bard" and thereafter, Microsoft⁴ also revealed its Chatbot named 'Microsoft Bing'. After looking at the rapid changes in AI technology, these two big giants work fast and continuously innovate their products and will launch with more features. Many great leaders in this industry try to spread awareness regarding this and even ask to stop working on this powerful technology for at least six months. Even this powerful technology can cause loss of human skills and creativity. AI is being used in artistic works too. Recently, an artwork created by AI algorithms was sold in the *Prints & Multiples* sale at Christie's on 25 October, *Portrait of Edmond Belamy* for \$432,500.

V. ARTIFICIAL INTELLIGENCE HAS BECOME AN IMPORTANT TOOL FOR HUMANS

In the last few years, AI has already established itself among humans. AI is developed to assist humans so that humans can achieve desired results from it. AI is not an emotional artificial intelligence system that can behave like humans but in the upcoming years, it may also be possible to understand the emotions of humans. In today's time, AI is far more intelligent than humans and it is automatically improving itself continuously. If emotions are also added, then there will be no difference between humans and robots. In 2017, a robot named 'Sophia' got Saudi Arabian Citizenship in an event named the Future Investment Initiative, that was held in the Saudi Arabian capital of Riyadh. It simply means the race between humans and AI has already started.

Artificial Intelligence is being used in different fields and will cover almost every space, so it will not be easy for humans to live without it, but with the help of 'prompt engineering' anyone can use it to get specified results. Prompt Engineering simply means providing efficient inputs or efficient questions to the AI generative model so that it can provide the exact results that such a person is looking for. Suppose we want to do

³ Sabrina Ortiz, Following the success of OpenAI's ChatGPT, Google released its own AI chatbot, Bard. Now that it's widely available, here's what you need to know (June 1, 2023), <https://www.zdnet.com/article/what-is-google-bard-heres-everything-you-need-to-know/> (last visited June 11, 2023).

⁴ Lance Whitney, Beyond ChatGPT: How to Use Microsoft's Bing AI Chatbot, and 6 Things to Try First (April 14, 2023), <https://www.pcmag.com/how-to/beyond-chatgpt-how-to-use-microsoft-bing-ai-chatbot-what-to-try> (last visited June 12, 2023).

research on a particular topic, and by providing input with specific keywords or with more detail, the AI generative model will provide that particular output from its database. If that particular data is stored in it, then the results would also be biased. AI can help humans with their tasks, but without human intervention, it can't perform realistic tasks. It can be used as a dangerous weapon against humans or to spread peace among countries, as it totally depends on the user in which way, they are operating it.

VI. IMPACT OF ARTIFICIAL INTELLIGENCE ON LEGAL FIELD

The impact of Artificial Intelligence can be seen either in the short term or in the long term. AI has the ability to disrupt all fields including the legal field. In the era before computers were introduced to the world, many people were doing those things that computers are now performing in an effective manner and due to this, many people lost their jobs, but many new jobs were also created in the long run, like Web designers, Web programmers, Game developers and many more. These new jobs were created after the coming of computers, although in the short term we can see its impact on losing jobs but in the long term it will create more job opportunities. It is sure that AI is going to affect the legal field and the risk of job loss also arises, for example if any person gets paid for drafting, proofreading legal documents and if law firms or lawyers have this technology, they will not get hired, while AI will give more accurate results within a few seconds or minutes. Other law firms will also start using this technology, as some of them have already adopted it to stay ahead in the competition. In India, AI is used by the Indian Judiciary, the Government of India and all others too who are not experts in AI.

IBM's AI ROSS⁵ is the world's first AI attorney built on IBM's Cognitive Computer Watson. This software is used by law firms globally, but in India it has yet to be used. Basically, AI ROSS is the assistant for lawyers, which helps in giving effective and efficient solutions along with references and citations to back up its solution. These solutions are accurate as they are given after analyzing the problem and interpreting the laws prevailing at that time.

AI is growing in the legal field, but that doesn't mean that it will substitute the lawyers; rather, it will assist the lawyers in their work and currently in India only almost 4% of lawyers are using AI for their work. Lawyers are basically multitasking person, they not only do legal research or drafting of legal documents, but they do other tasks as well like

⁵ Matthew Griffin, MEET ROSS, THE WORLD'S FIRST AI LAWYER (11th July, 2016), <https://www.311institute.com/meet-ross-the-worlds-first-ai-lawyer/> (last visited June 11, 2023).

client counseling, policy analysis, creative thinking, Advocacy etc. but as of now, AI is bad at these tasks.

VII. USE OF ARTIFICIAL INTELLIGENCE POWERED TOOLS IN INDIA

- **KIRA** – Kira is a patented machine learning software for contract and document analysis that has long featured "smart fields," which identify common clauses, provisions and data points in contracts and documents.⁶
- **SPOTDRAFT** – Spotdraft is an AI-based contract management platform that helps businesses to make their contracts. It also helps in managing the paperwork with some revolutionary tools powered by artificial intelligence. Through SpotDraft's software, customers can easily draft and sign contracts, send automated reminders and also receive payments.⁷
- **CASEMINE** - Casemine is an AI-based legal information retrieval system that caters mostly to litigation focused individuals. The main difference between Casemine and other basic keyword based legal information retrieval systems is the context-based retrieval of information.⁸
- **PENSIEVE** - Pensieve is basically a text-analytics and linguistics company that offers document intelligence for unstructured data with compliance in the compliance of legal regulatory and financial domain. It has two products, i.e. Mitra and Smriti. Mitra helps in assisting with the legal research and Smriti is the engine to ensure contract management solutions.⁹

VIII. USE OF ARTIFICIAL INTELLIGENCE IN LEGAL FIELD

Technology can be used in any area and the legal field is no exception. In previous years, use of AI has been increased in legal areas like virtual hearings, which were started due to the COVID-19 pandemic situation and not only this, but use of AI should be increased

⁶ Zach Warren, Kira Tackles AI Quandary: How to Safely Facilitate Machine Learning Model Sharing (November 23, 2020, 09:05 AM), <https://www.law.com/legaltechnews/2020/11/23/kira-wants-to-facilitate-machine-learning-model-sharing-through-differential-privacy/> (last visited June 11, 2023).

⁷ Srishti Deoras, Meet SpotDraft, An AI Based Contract Management Platform That Manages Cumbersome Paperwork (February 13, 2018), <https://analyticsindiamag.com/meet-spotdraft-ai-based-contract-management-platform-manages-cumbersome-paperwork/> (last visited June 12, 2023).

⁸ Artificial Lawyer, Meet India's Casemine, Shaking Up the Legal AI Case Analysis Market (15th February 2018), <https://www.artificiallawyer.com/2018/02/15/meet-indias-casemine-shaking-up-the-legal-ai-case-analysis-market/> (last visited June 12, 2023).

⁹ Team YS, HOW PENSIEVE IS DEMOCRATISING THE INDIAN JUDICIAL SYSTEM WITH ITS AI-POWERED SOLUTIONS (Tuesday December 14, 2021), <https://yourstory.com/2021/12/pensieve-democratising-indian-judicial-system-ai-powered-solutions> (last visited June 12, 2023).

among the bar and bench. The bar needed it for assistance in their effective preparation of cases and the bench needed it to facilitate the entire justice delivery system. AI can be used in the legal field for litigants, like judgements that are translated with the help of AI tool in the regional language so that litigants can understand it properly. Today, Indian Judiciary has become the Global front runner in using the application of AI and machine learning in the Judicial System. AI can be used in the legal field for the legal drafting, legal research, although it has that level of ability that to prepare arguments within seconds if correct input was given to it and most important is that it is easy to use, works 24*7 for free. In India, AI is growing faster and has already started using by various Law Firms such as Anand & Anand, Cyril Amarchand Mangaldas & Nishith Desai & Associates has endorsed AI to facilitate the tasks¹⁰. Our country is known for adopting technology quickly as possible and it is easier and more beneficial for young lawyers or all those who are in the legal field. The legal teams would deal with a lot of data and processing information. Implementation of AI would be useful in reducing the tendency, providing faster and better processing of information.

There are various initiatives that are implemented in the Indian Judiciary as given below:

- **SUPACE** – SUPACE (Supreme Court Portal for Assistance in Court's Efficiency) is a portal through which the Hon'ble Supreme Court intends to leverage machine learning to deal with the amount of data received in the filing of cases. The AI based tool is designed to only process information and make it available to the Judges to make a decision. Although this will not play any part in the decision-making upon any case.¹¹
- **SCI-INTERACT** - SCI-INTERACT is software developed by the Apex Court Computer's Cell and with the help of this software, judges will be able to access files, from annexures to petitions and also able to make soft notes on computers themselves without it being accessible to others. This software is developed for the purpose of making all its 17 benches paperless.¹²

¹⁰ Jelsyna Chacko, AI-powered lawyers in the context of the Indian legal system: Pitfalls and potential (24 Jan, 2023, 11:26 am), <https://www.barandbench.com/columns/ai-powered-lawyers-in-the-context-of-the-indian-legal-system-pitfalls-and-potential> (last visited June 13, 2023).

¹¹ TULIKA TANDON, SUPACE Portal: Use of Artificial Intelligence (AI) in Indian Judiciary (APR 13, 2021, 18:17 IST), <https://www.jagranjosh.com/general-knowledge/supace-portal-use-of-artificial-intelligence-ai-in-indian-judiciary-1618316032-1> (Last Visited June 13, 2023).

¹² Ajmer Singh, Supreme Court develops software to make all its 17 benches paperless (May 26, 2020, 09:49 AM), <https://economictimes.indiatimes.com/news/politics-and-nation/supreme-court-develops-software-to-make-all-its-17->

- **LIMBS** - LIMBS (Legal Information Management and Briefing System) is an online monitoring tool for court cases in a more effective and transparent manner. It is an initiative of the Department of Legal Affairs, Ministry of Law and Justice. It aims to digitalize the whole legal process and monitor the entire life cycle of a case.¹³
- **SUVAS** - SUVAS (Supreme Court Vidhik Anuvaad Software) is software that is trained by artificial intelligence and specifically designed for the judicial domain and can translate any order or judgement that is in English into nine vernacular languages and vice versa.¹⁴

IX. CONCLUSION& SUGGESTIONS

Artificial Intelligence is that level of powerful technology which can rule over humans or can be ruled by humans. This technology offers various benefits, including improved efficiency, enhanced accuracy, assist in legal research and drafting, analyzing the contents of contracts etc. Every technology comes with positive and negative effects, but it has certain risks for society in the future which is difficult to imagine at this point of time. To use this technology in the best possible way depends on the user and the regulations imposed by the government. It is much needed to have global regulations on it to prevent misuse. Currently, this technology is very handy and within reach of almost every person, but it requires a huge investment and is so expensive, it can't be afforded by all of us. Billions of people can lose their jobs over the next upcoming years due to AI and millions of jobs are at risk of becoming obsolete. Many industries are adopting automated processes for the production of their products and now this advanced version of technology is far more dangerous and can take jobs from various fields. Some risks from AI powered chatbots are that they can spread false information or biased information among people. In the future, if false information spreads among people, then it can affect the decision of people. While using this powerful technology, the user must be aware of the limitations of it and not believe in it without applying their mind. While

benchespaperless/articleshow/75989143.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cpsst (last visited June 14, 2023).

¹³ AJAY GUPTA, How technology gave LIMBS to Indian judiciary — an app to monitor government cases (15 July, 2020, 01:31 pm), <https://theprint.in/pageturner/excerpt/how-technology-gave-limbs-to-indian-judiciary-an-app-to-monitor-government-cases/460820/> (last visited June 15, 2023)

¹⁴ THE PRINT TEAM, 'AI can improve judicial system's efficiency' — full text of CJI Bobde's Constitution Day speech (27 November, 2019 08:56 am), [https://www.google.com/search?q=%27AI+can+improve+judicial+system%27s+efficiency%27+%E2%80%94+full+text+of+CJI+Bobde%27s+Constitution+Day+speech+\(theprint.in\).&oq=%27AI+can+improve+judicial+system%27s+efficiency%27+%E2%80%94+full+text+of+CJI+Bobde%27s+Constitution+Day+speech+\(theprint.in\).&aqs=chrome.69i59j0j4&sourceid=chrome&ie=UTF-8](https://www.google.com/search?q=%27AI+can+improve+judicial+system%27s+efficiency%27+%E2%80%94+full+text+of+CJI+Bobde%27s+Constitution+Day+speech+(theprint.in).&oq=%27AI+can+improve+judicial+system%27s+efficiency%27+%E2%80%94+full+text+of+CJI+Bobde%27s+Constitution+Day+speech+(theprint.in).&aqs=chrome.69i59j0j4&sourceid=chrome&ie=UTF-8) (last visited June 15, 2023).

considering the overall aspect of this AI powered technology, we must have a realistic view of this technology as an opportunity for lawyers or who are related to the legal field. It can disrupt the legal field with its ability too. AI is not magic which will take away all jobs within seconds. Before using this, one must be aware of its disadvantages, but the suggestion is to use it with proper care and security. Although by using prompt engineering, one can get the desired results from it by giving proper input. This AI driven technology can revolutionize the whole Indian Legal System by using it to make it more transparent for litigants and the Indian Judiciary has already implemented AI powered tools in its system and also works on various other initiatives. This can't be ignored that AI is the future, and we should use it for lawful purposes otherwise it will force us to use it. Artificial Intelligence can truly augment the capabilities of legal professionals and contribute to a more accessible, efficient and transparent Indian Legal System. So, in conclusion, one must balance between the output from this AI driven technology and the human mind to get desired results. In fact, at any cost artificial intelligence should not be above humans otherwise, the existence of humans will be at risk.

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