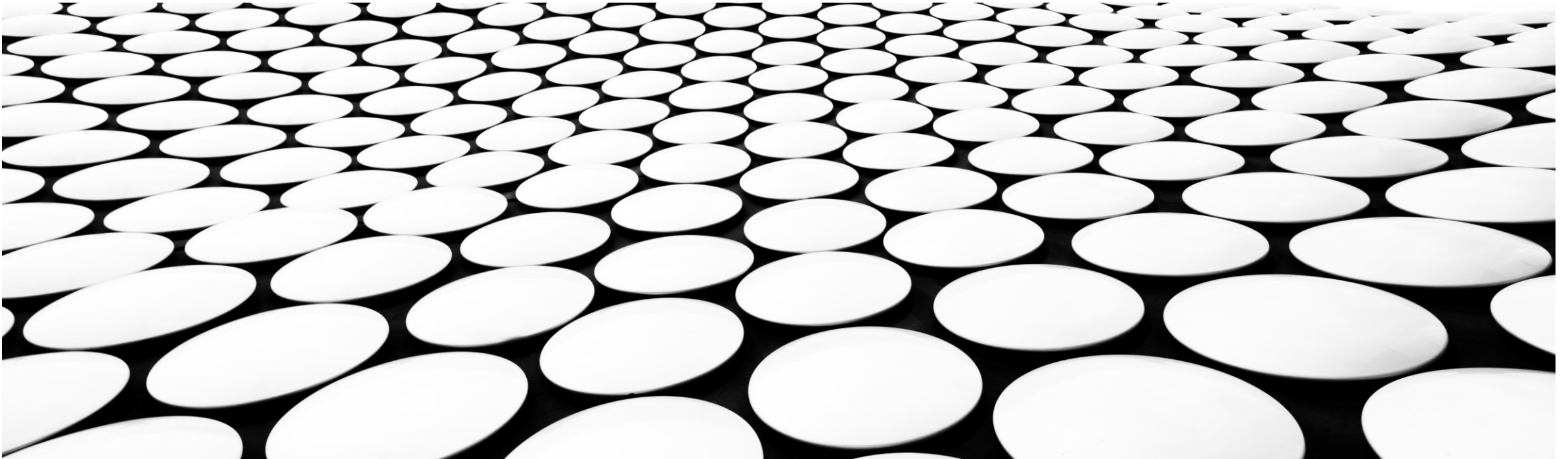

AI: USE CASES BY LAW FIRMS, LAWYERS AND CORPORATES

JUSTICE SURAJ GOVINDARAJ
HIGH COURT OF KARNATAKA



USES OF AI

- **Due diligence** - Due diligence is conducted using AI tools, this would include contract review, legal research and electronic discovery among others.
- **Prediction technology** - An AI software is used to forecast litigation outcome.
- **Legal analytics** - Data points from past case law, win/loss rates and a judge's history are used to generate trends and patterns.
- **Document automation** - Software templates are created to generate documents.
- **Intellectual property** - Analysis of large IP portfolios is done.
- **Contract review and management/ contract analysis** : Contracts and documents are analysed
- **Litigation finance** : Tools to determine to finance or not
- **Divorce proceeding automation**: Humane divorce using AI
- **Chatbots/ lawyerbots**: Platform to provide services

DUE DILIGENCE

- Due diligence review for a corporate transaction typically involves a group of lawyers going through documents (hard copy or in an e-room) looking for litigation issues, key contract clauses, corporate governance, intellectual property, etc.
- Due Diligence review of Real Estate transactions involves a group of Lawyers going through title deeds, revenue documents, litigation etc.,

AI SOFTWARE FOR DUE DILIGENCE

- **Brainspace Discovery** (<https://brainspace.revealdata.com/>)
- **Casetext** ([Parallel Search | Casetext](#))
- **Catalyst** (<https://catalystlab.ai/>)
- **Disco** (<https://www.csdisco.com/disco-ai>)
- **DocuSign** ([DocuSign Insight](#))
- **eBrevia** (<https://www.dfinsolutions.com/products/ebrevia>)
- **Everlaw** (<https://www.everlaw.com/>)
- **Exterro** (<https://www.exterro.com/ai>)
- **JP Morgan** ([Artificial Intelligence \(jpmorgan.com\)](#))
- **Kira Systems** (<https://kirasystems.com/>)
- **Lawgeex** (<https://www.lawgeex.com/>)
- **Legal robot** (<https://legalrobot.com/>)
- **Legalsifter** (<https://www.legalsifter.com/>)
- **Leverton** (<https://leverton.ai/>)
- **Lexcheck** (<https://www.lexcheck.com/>)
- **Luminance** (<https://www.luminance.com/>)
- **Ross intelligence** (<https://www.rossintelligence.com/what-is-ai>)
- **Thought river** (<https://www.thoughtriver.com/>)

PREDICTION TECHNOLOGY

- In 2004, a group of professors from Washington University tested their algorithm's accuracy in forecasting Supreme Court decisions on all 628 argued cases in 2002. They compared their algorithm's results against a team of experts' findings. The statistical model by the researchers proved to be a better predictor by correctly forecasting 75 percent of the outcomes compared to the expert's 59 percent accuracy.
- Expanding the coverage from 1816 to 2015, Prof. Daniel Katz of Michigan State University and his two colleagues achieved a 70.2 percent accuracy on case outcomes of the Supreme Court in their 2017 study.
- Similarly, Nikolaos Aletras of University College London and his team used machine learning to analyze case text of the European Court of Human Rights and reported a 79 percent accuracy on their outcome prediction.

WOULDN'T IT BE GREAT TO BE
ABLE TO PREDICT THE OUTCOME
OF LITIGATION, OR TO KNOW
WHAT ARE THE ODDS OF
WINNING?

- AI is already providing a solution - It will soon be possible to compare the facts of a case to other cases already decided by a court (or courts) and get a predictor of how the case will fare. These tools use machine-learning algorithms to examine the facts and then check whether it is similar to past cases and ultimately predicts the outcome of future cases

AI SOFTWARE FOR PREDICTIVE TECHNOLOGY

- **Intraspexion** (<https://intraspexion.com/>)
- **Lex Machina** (<https://lexmachina.com/>)
- **Premonition** (<https://premonition.ai/>)
- **Ravel law** (<https://home.ravellaw.com/>)

LEGAL ANALYTICS

- Case pleadings, evidence and documents provide insights during litigation by lawyers.
- Current AI tools claim that today's software products are able to extract key data points from the above to support arguments.

AI SOFTWARE FOR LEGAL ANALYTICS

- **Lex Machina** (<https://lexmachina.com/>)
- **Ravel law** (<https://home.ravellaw.com/>)
- **Settlement Analytics**
(<https://www.crunchbase.com/organization/settlementanalytics>)

DOCUMENT AUTOMATION

- A McKinsey & Company report estimates that knowledge work automation will most likely be one of the top disruptors in the global economy.
- Law firms are beginning to adapt technology for drafting documents through automated software. The final document, which could take days by manual human drafting, is generated in a matter of minutes. This technology is utilised to generate financial documents like loan agreements, hire purchase, mortgage agreements etc.
- **Automatic pleadings**
- AI can also help lawyers in creating automatic pleadings. It can be used in producing responsive pleadings, and other documents. Different AI technologies are used to produce several types of automated legal documents using the lawyer's own style of formatting and response strategy. These high-quality drafts are completely customizable as per the lawyer's needs.

AI SOFTWARE FOR DOCUMENT AUTOMATION

- **HOTDOCS** - <https://www.hotdocs.com/> (acquired by AbacusNext - <https://www.abacusnext.com/>)
- **LAWLIFT** - <https://www.lawlift.com/>
- **LEGALUP** - <https://legalup.me/>
- **PERFECTNDA** - <https://www.neotalogic.com/product/nda-automation/>
- **SMOKEBALL**
- **WOODPECKER** – <https://www.woodpeckerweb.com/>

INTELLECTUAL PROPERTY

- Securing patents, copyrights and trademarks depends on a lawyer's or Law Firm's expertise. However, the entire process is long and arduous.
- Traditional trademark and patent search, for example, involves looking into hundreds, if not thousands, of results through manual research, this takes a long time – sometimes weeks or months.
- AI tools enable this to be done in matter of hours if not minutes.

AI SOFTWARE FOR INTELLECTUAL PROPERTY

- **ANAQUA Studio** (<https://www.anaqua.com/>)
- **SmartShell** (<https://rowanpatents.com/smartshell-faq/>)
- **TrademarkNow** (<https://www.trademarknow.com/>)

CONTRACT REVIEW AND MANAGEMENT/ CONTRACT ANALYSIS

- Law firms and companies have to go through hundreds and thousands of legal documents and contracts for which they hire lawyers. This can be a very time-consuming and error-prone process for humans. Moreover, finding relevant and useful information from a complicated legal document is a very difficult task.
- Using machine learning and Natural Language Processing (NLP) technology, AI-backed tools can be used to analyse a given document and extract the problematic clauses or the required portions within seconds. These tools are used to identify, extract and analyse clauses from a contract, redline the texts, and edit contracts.
- Based upon these reports, lawyers can advise their clients whether to agree to a contract or not and areas of improvement in the contract. These tools are touted to be 100% accurate and can produce results within a few seconds that would have taken hours and days for humans.

AI SOFTWARE FOR CONTRACT REVIEW AND MANAGEMENT/ CONTRACT ANALYSIS

- **Clearlaw** – (<https://www.clearlaw.ai/about>)
- **Evisort** – (<https://www.evisort.com/>)
- **Lexion** – (<https://lexion.ai/>)
- **Paperflip** – (<https://www.paperflip.com/>)
- **Smart Contract Risk identification** – ([Smart Contract Risk Analysis \(microsoft.com\)](#))

LITIGATION FINANCE

- A related use case for A.I is in litigation finance, a practice in which a third party funds a plaintiff's litigation cost in return for a share of the upside if the plaintiff's case is successful. A.I is supercharging litigation finance by enabling investors more sophisticated, data driven assessment of which cases are worth backing.

AI SOFTWARE FOR LITIGATION FINANCE

- Legalist – (<https://www.legalist.com/>)
- Legalpay – (<https://legalpay.in/>)

DIVORCE PROCEEDING AUTOMATION

Wevorce – offers self guided solutions for a fraction of the cost while saving a lot of time in the process - <https://www.wevorce.com/>

- **Steps to a fast, respectful, peaceful divorce.**
- Create your account.
- Invite your spouse to join.
- Complete the online questionnaire.
- Get your Parenting Plan and Marital Settlement Agreement.
- Meet with a Certified Private Judge™.

CHATBOTS/ LAWYERBOTS

- To enable clients to self serve themselves online. Platforms provide for creation, sale & delivery of legal services online from anywhere
- Automio- (<https://autom.io/>)
- Billybot- (<http://www.billybot.co.uk/>)

POSSIBLE USES IN COURTS

- 360 degree search of connected matters and or litigation between same parties
- Bail verification re earlier petitions, applications by other accused, antecedents etc
- Drafting and filing of mundane applications like 5 Rule 20, Order 22,
- Auto dating and listing of matters
- Memo of posting – Judge to give dates on the basis of court calendar
- Framing of Charges
- Framing of issues
- MVC determination of compensation
- Research – <https://www.legitquest.com/>
- Analysis of affidavits re maintenance and cross verification.
- Creation of Synopsis of dates and events
- Traffic offences
- Transfer pricing Analysis
- Translation – SUVAAS, Google Translate
- Transcription - <https://otter.ai/>
- WP-CPC, CRP, MFA – Identification of disposed matters

INFRASTRUCTURE AND OTHER REQUIREMENTS

- Digitisation using blockchain
- Enabling e-filing and paperless courts
- Upgradation of IT infrastructure – Servers, Desktops etc.,
- All data to be stored in a single place like cloud – with disaster recovery built in.
- Shift from using open source to proprietary software
- Training and change management
- Hiring domain experts
- Proper internet connectivity

HCK CHAT BOT

- The Karnataka High Court has Launched Telegram Virtual Case Information Services (HCKChatBot) - Cause Lists, Case Status, Daily Orders, Judgments, Cert. Copy Status, IA status, Running and Passed Over Cases Information, Video Conference Links, etc...
- Please click below link to start HCKChatBot Services:
- <https://t.me/karhcbot>
- To subscribe to High Court of Karnataka Telegram Channel please click <https://t.me/karnatakahighcourt>



THANK YOU