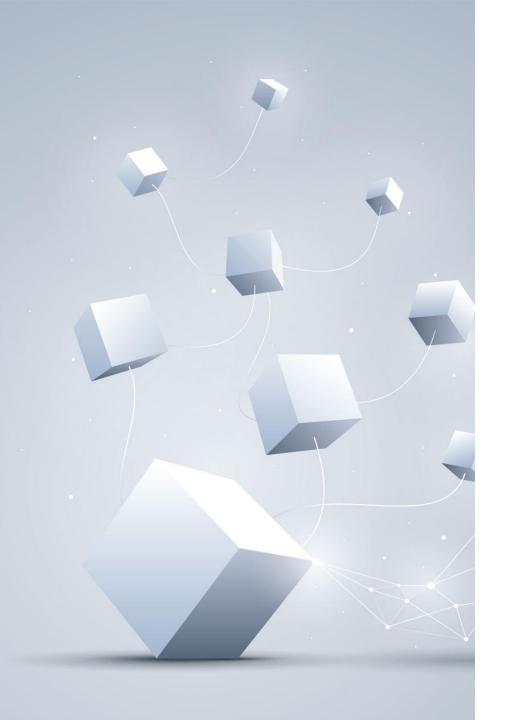


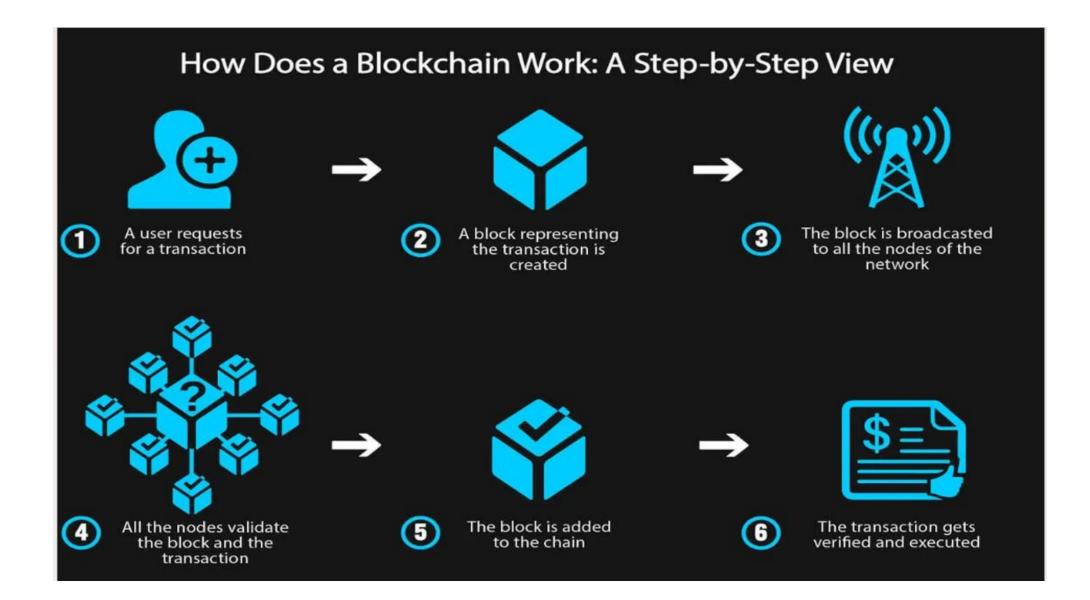
Emerging and Future Technology for Effective Judicial Governance(Session-5)

JUSTICE A. MUHAMED MUSTAQUE



Two Big Elements In Justice Delivery System

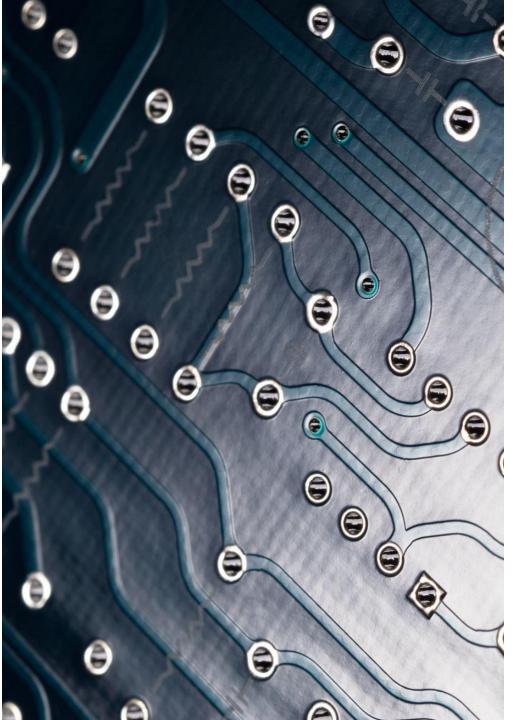
Block Chain & Artificial Intelligence(AI)





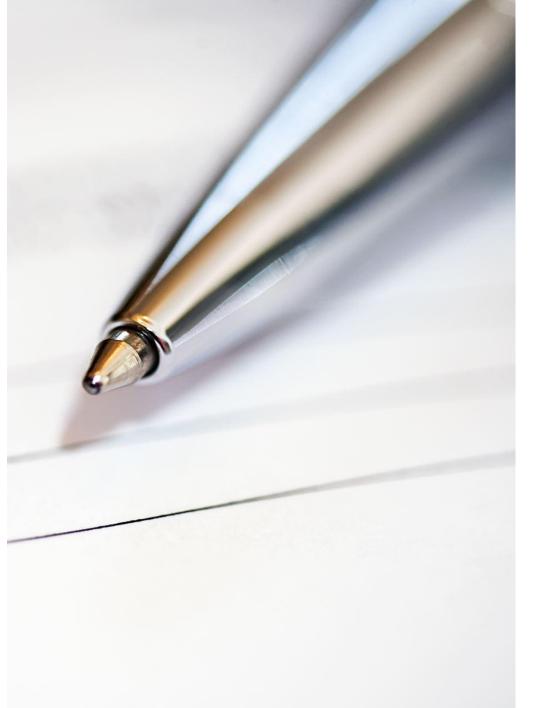
How Blockchain Helps Safe & Secure Transmission

Record Keeping
Chain of Custody
Identity Verification
Transparency and Trust among stakeholders



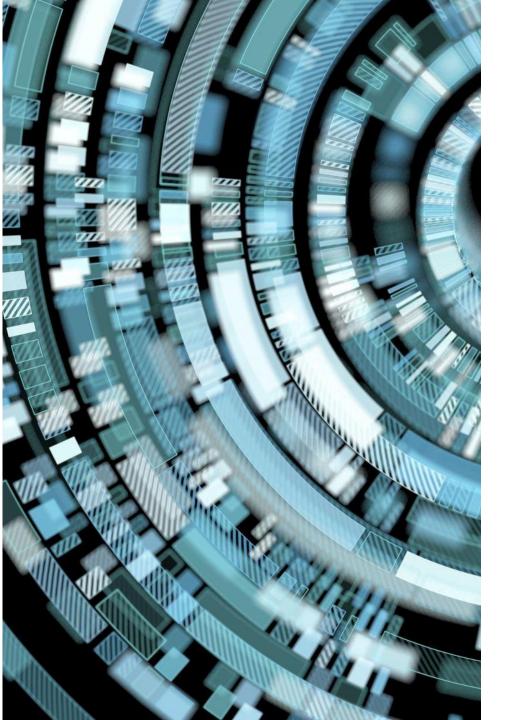
Concept of Artificial Intelligence

Artificial intelligence is a set of algorithms and intelligence to substitute human intelligence



Why AI in Judiciary?

- Choice of institutional norms in preference to individual choices
- Functional Credibility through consistency
- Certainty
- Expediency



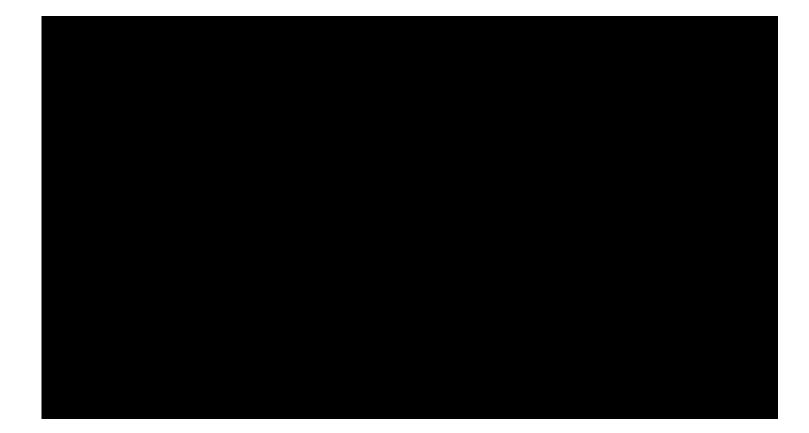
Potentials of AI in Justice Delivery System

- Automation of court process(Filing,
 Scrutiny, Listing,etc)
- □ Machine Learning(ML)
- Natural Language Processing (NLP)
 Robotics



AI : No Substitute for Humans in Adjudication, but only an Aid

AI induced Cyber Court in China





AI Tools

Transcription Real Time Voice to Text(NLP) models for recording witnesses' depositions/court proceedings(Eg: TERES in SC)



AI Tools

ChatGpt/BARD etc.,

provide real-time assistance to the stakeholders for all their requirements related to the service delivery through integration with the existing solutions.

High Court of Kerala has already integrated it's CMS with ChatGpt services, and customising it for the services is in progress

https://ecourts.kerala.gov.in/judge_display/chatgpt

AI Tools

QuillBot

https://www.youtube.com/watch? v=tbnUqvXsCWs

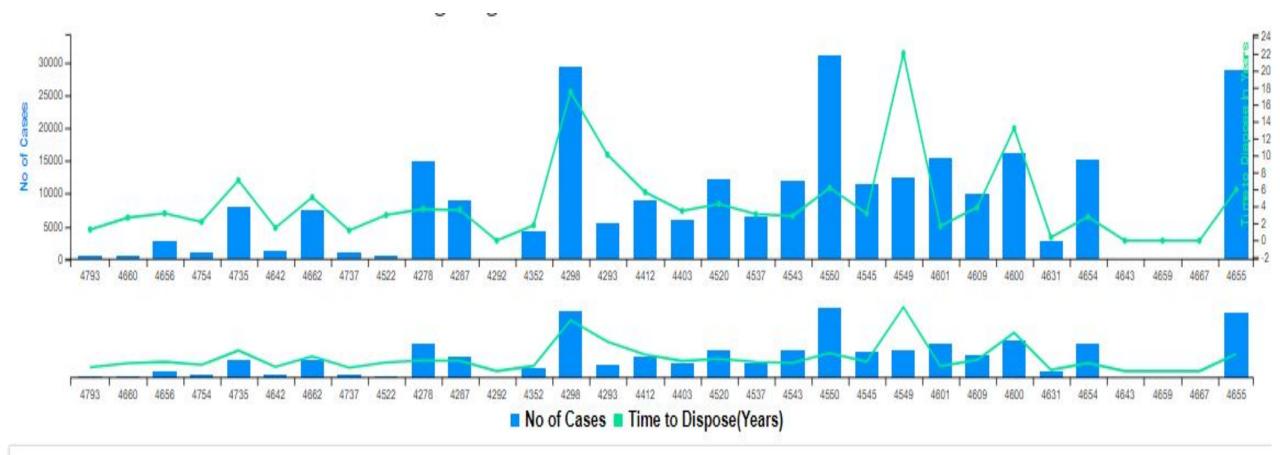
□ An online paraphrasing tool (a reword generator) is a tool that allows you to find better ways to reword or paraphrase your content. This paraphrasing tool can be used to enhance the quality of writing and be able to communicate textual content in clear and meaningful ways.

Facial Recognition-Machine Learning + AI

'Using machine learning and other deep learning techniques, computers can recognize faces with utmost accuracy. The facial detection and recognition system can verify a person from a digital image or a frame/clips of a video. Numeric codes called faceprints are used for detection along with identifying 80 nodal points (end to end measurements with respect to nose, jaws etc.) on the face.'

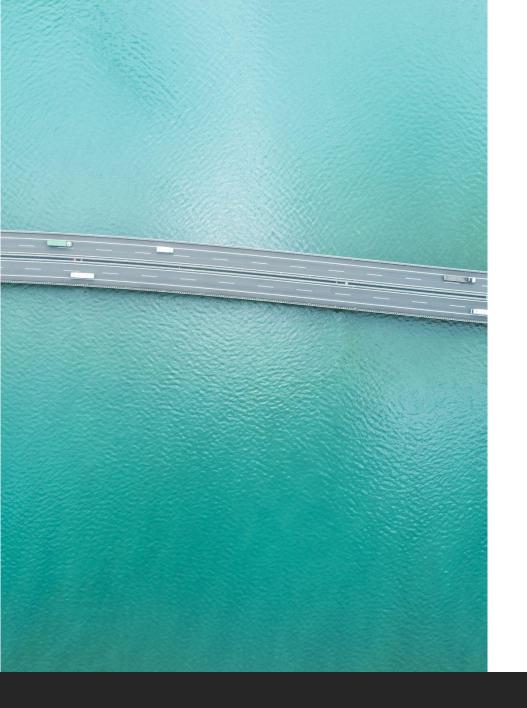
Face Recognition Technology Intro





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Thank You!