

Chapter 3

Artificial Intelligence for Strengthening the Rule of Law and Justice Delivery System

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ABSTRACT

Artificial intelligence is transforming the legal landscape by enhancing efficiency, accessibility, and fairness in the justice delivery system. This chapter examines the role of AI in reinforcing the rule of law, with particular attention to legal research,

DOI: 10.4018/979-8-3693-9395-6.ch003

judicial decision-making, case management, and dispute resolution. From predictive analytics to legal chatbots to smart contracts, AI-driven tools are revolutionizing legal frameworks, speeding case processing, and reducing human bias. But AI in law also raises ethical challenges algorithmic bias, transparency issues, and data privacy concerns. Through real-world case studies from the United States, the European Union, India, and China, this chapter explores the implications of AI applications in legal governance. It highlights global initiatives to govern the role of AI technology in courts and suggests design principles for responsible AI-aided legal progress.

1. INTRODUCTION

The principles of justice, equality, and accountability in society are known as the rule of law which is to be respected. It ensures that the laws work appropriately, balancing individual liberties with the need for law and order. The other side of the coin is a strong system of delivering justice necessary for the maintenance of democratic rule and economic stability. But legal systems around the world are grappling with serious issues like backlogs in cases, prolonged proceedings, judicial cronyism, and lack of access. Many countries allege overburdened judiciary systems where cases take years or even decades to come to resolution. Moreover, corruption, bias in decision-making, and inadequate resources also impede legal institutions from functioning effectively (Ejjami, 2024). Also, artificial intelligence (AI) has been identified as a game-changer that can help overcome such inefficiencies and enhance the rule of law. Legal tech powered by AI is transforming the justice system by automating legal research, predicting case outcomes, and streamlining court processes. Incorporating AI into the governance and legal administration provides a unique opportunity to reform judicial frameworks affiliated with transparency, accessibility, and efficiency. These tools can provide legal professionals with innovative solutions that can support policymakers and the judiciary in improving decision-making processes, increasing fairness in legal outcomes, and expediting the resolution of disputes.

1.2 Role of AI in Modern Governance

Early use cases for AI in the legal space centered around digitization and searchable databases. But as machine learning, natural language processing (NLP), and predictive analytics have matured, AI has evolved beyond basic automation to deliver complex legal insights. AI-driven legal research tools, like Westlaw and LexisNexis, analyze large datasets of legal information to discover pertinent case

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