

Judgement Day 2.0: Can AI Judges Turn Sri Lanka's Legal Leap into a Futuristic Fairytale of High-Tech Justice?

SL De Silva^{1#} and PAGD Wickramasinghe¹

¹Faculty of Law, General Sir John Kotelawala Defence University, Sri Lanka

[#]shevan20268@gmail.com

Judgement Day 2.0. delves into the revolutionary integration of artificial Intelligence (AI) within the Sri Lankan judiciary to create a judicial officer powered by AI i.e. AI judge. This paper examines the transformative potential and inherent challenges of embedding AI technologies in this legal leap, advocating for stringent ethical standards and the necessity of human oversight. The study employed a methodological framework, encompassing normative legal analysis and adapting a conceptual examination of AI's expanding role in legal contexts. It further investigated AI's capabilities, such as machine learning and deep learning, underscoring the critical need to navigate the ethical state of AI development conscientiously. Additionally, the paper spotlights the ongoing efforts to modernize Sri Lanka's judicial system through technological advancements, while emphasizing the crucial equilibrium between innovation and the preservation of time-honoured judicial principles. This encapsulates the exploration of the intricate interplay between AI and Sri Lanka's legal system, highlighting the myriads of opportunities and the intricate complexities this integration presents.

Keywords: *artificial intelligence, AI Judges, justice system, judiciary, Sri Lanka*