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Title:

Artificial Intelligence, Intellectual Property, and Global Equity: Addressing Emerging Legal Challenges in the Digital Era

Abstract

Artificial Intelligence (AI) is rapidly reshaping contemporary society, influencing legal systems, economic structures, and global governance. As AI technologies evolve, they introduce complex legal and ethical concerns, especially in relation to intellectual property rights. Issues surrounding ownership, authorship, and accountability for AI-generated outputs remain uncertain within current legal frameworks. This paper explores these challenges and emphasizes the necessity for legal adaptation in response to technological progress.

The study examines the relationship between AI, intellectual property, and global equity. It highlights the limitations of traditional copyright and patent laws in addressing creations generated by autonomous AI systems. The absence of clear legal recognition leads to ambiguity for creators, users, and policymakers. Furthermore, the paper analyses the impact of digital transformation on global trade and competition. Technologically advanced countries often benefit more from AI developments, which may deepen inequalities between developed and developing nations and raise concerns regarding digital sovereignty.

In addition, the paper addresses the vulnerability of traditional knowledge, biodiversity, and cultural heritage in the digital environment. Indigenous communities face risks of exploitation when their knowledge is digitized and used without proper authorization or equitable benefit-sharing. This underscores the need for stronger and more inclusive legal protections.

The study also focuses on the protection of human rights in digital spaces. Ensuring fair access to knowledge, safeguarding data privacy, and preventing misuse of AI technologies are essential to maintain equity and justice in the digital age.

The paper concludes by advocating for international collaboration and the development of flexible and inclusive legal frameworks. Such frameworks are crucial to balance innovation with the protection of rights and to promote equitable participation in the global digital economy.

Keywords:

Artificial Intelligence, Intellectual Property Rights, Global Equity, Digital Transformation, Human Rights