

Analysis on the Technological Innovation in Criminal Justice Reform in India

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Abstract: *The impact of technical advancements on India's criminal justice reform is examined in this study paper. The study offers insights into the acceptance, implementation, and efficacy of various technological solutions in solving issues within the Indian criminal justice system by evaluating previously published literature and research publication. The effects on efficiency, transparency, obstacles and constraints, ethical and legal ramifications, and future paths for technology innovation in criminal justice reform are important areas of study. This essay looks at how technological advancements have influenced India's criminal justice system reform. The emergence of novel technologies has sparked a rising fascination with utilizing them to tackle enduring issues inside the Indian criminal justice system. The present study offers an all-encompassing examination of several technological advances that have been introduced or suggested in India, with a particular emphasis on their possible influence, efficacy, and consequences for the reform of justice. The study applies a critical lens to assess the merits and demerits of these developments, taking into accounts elements like right protection, efficiency, transparency, and access to justice. It also looks at the obstacles and constraints preventing these technologies from begin successfully adopted and used widely. The study provides insights into the transformative potential of technological solutions in boosting accountability, lowering backlog, promoting procedural fairness, and fostering public trust in the criminal justice system. It does this by drawing on case studies and empirical evidence. It also addresses future directions and policy proposals for using technology to accomplish significant reforms in India's criminal justice system. The adoption of digital platforms and technologies for evidence management, criminal reporting, and investigation is the first area of analysis. It likes at how the criminal justice system has benefited from measures like digital evidence collecting and online FIR filing, which have reduced procedures, increased efficiency, and improved transparency. Technological innovation has emerged as a key instrument for improving efficiency and addressing issues in India's criminal justice system overhaul. This study examines how technology has changed the Indian criminal justice system with a particular emphasis on crucial facets including investigation, decision making, and rehabilitation. It looks at how developments in forensic technologies, electronic file system, digital record digitization, and AI-powered predictive policing affect the efficacy and efficiency of courts, prisons, and law enforcement. It also assesses how these advances may affect human rights, accountability, transparency, and access to justice. This analysis, which is based on case studies and empirical research, sheds light on the opportunities and difficulties that technology innovation presents for influencing the direction of criminal justice reform in India*

Keywords: Technological Innovation, Criminal Justice Reform, Digitization, Electronic Filling System, Forensic Technologies, AI-driven Predictive Policing, Efficiency, Transparency, Accountability, Human Rights, Correctional Facilities.

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