A Review of Technological Tools and Cyber Security Solutions for Cyber Crime Mitigation in Himachal Pradesh

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Abstract: *Cybercrime is rapidly increasing in India, with Himachal Pradesh witnessing significant digital risk due to expanding internet penetration. This review examines existing technological tools and cybersecurity solutions, their effectiveness, and the perception of key stakeholders (Police, Legal, Judiciary, Academia, and Employees). The study identifies challenges, adoption levels, and proposes an integrated framework for cybercrime mitigation at state level. The rapid growth of digital infrastructure has significantly increased the risk of cybercrime, even in geographically less urbanized regions such as Himachal Pradesh. This review paper examines various technological tools and cyber security solutions adopted for cybercrime mitigation in the state. The study analyzes existing literature, policy reports, and stakeholder perspectives to assess the effectiveness of digital forensic tools, intrusion detection and prevention systems, security information and event management platforms, artificial intelligence–based security solutions, and cyber awareness mechanisms.*

Keywords*: Cyber Crime, Cyber Security, Technological Tools*