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System Surveillance using Keylogging Techniques: Research Overview

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Abstract: *In the contemporary digital era, system surveillance has emerged as a critical component for ensuring data integrity, user accountability, and organizational security. This paper presents a comprehensive study on system surveillance through the implementation of keylogging mechanisms. The research encompasses a detailed survey conducted across diverse user groups to analyze awareness, perceptions, and potential risks associated with keyloggers. Based on the data collected, we formulated a clear problem statement highlighting the need for efficient and ethical surveillance solutions. The study defines the scope of keylogger-based monitoring in controlled environments, ensuring minimal intrusion while maximizing system oversight. Additionally, we propose a structured cost estimation model covering hardware, software, and maintenance aspects. The methodology includes both qualitative and quantitative analysis, offering insights into deployment strategies, data handling mechanisms, and ethical considerations. The paper aims to serve as a foundational reference for further research and development of secure, cost-effective, and scalable surveillance systems using keylogger technology.*

Keywords: System Surveillance, Keylogger, User Activity Monitoring, Data Collection, Problem Statement, Monitoring Tools