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Study: Morning

Design a Keylogger to Monitor Employee Performance

A Graduate Project Submitted to the department of Information Security of the College of Information Technology, University of Babylon, in Partial Fulfillment of the Requirements for the Bachelor's degree in the Information Security of Information Technology.

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Abstract

In modern workplaces, monitoring employee performance is crucial for ensuring productivity, security, and compliance with organizational policies. One approach to effectively monitor employee activities is through the design and implementation of a keylogger system. A keylogger is a software tool capable of recording keystrokes made by users on a computer or mobile device. In this research, we propose the design of a keylogger system tailored specifically for monitoring employee performance in organizational settings.

The keylogger system will be designed to operate discreetly in the background, capturing all keyboard inputs made by employees during work hours. It will record the time and content of keystrokes, allowing employers to analyze employee activity patterns and identify areas for improvement or optimization. Additionally, the system may incorporate features such as screen capture and application usage monitoring to provide a comprehensive view of employee behavior.

To ensure ethical and legal compliance, the keylogger system will be designed with privacy and security considerations in mind. Employee consent and awareness will be prioritized, and the system will adhere to relevant data protection regulations and organizational policies. Data encryption and secure storage practices will be implemented to safeguard sensitive information collected by the keylogger.

The research will involve the development of prototype keylogger software, followed by testing and evaluation in simulated workplace environments. User feedback and performance metrics will be gathered to assess the effectiveness and usability of the keylogger system.