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Intelligent Surveillance System using ESP32- Cam with Telegram Notifications

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Abstract: *The main purpose regarding this research work is, IoT-relied security process which enhances surveillance and access control. The goal of this project is to integrate the ESP32-CAM module with a real-time motion detection mechanism, which captures images and sends alerts via the Telegram app. Additionally, the system incorporates A mechanism for locking doors, enabling Users can manage access remotely. Proposed idea aims to improve security by providing instant notifications and remote management, offering a cost-effective solution for enhancing safety. Key challenges involve integrating motion detection, image capture, and secure remote control of the locking system.*

Keywords: IoT-based Security ESP32-CAM Motion Detection Remote Access Control

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