Smart Security Detection Using IoT for Airports

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Abstract: *This paper proposes an IoT-based Smart Security Detection System for airports to enhance safety and efficiency. Centered around an Arduino UNO, the system uses a PIR sensor for motion detection, a metal sensor for identifying weapons, and an ultrasonic sensor for spotting suspicious objects. On detecting a threat, it activates a servo motor for gate control, a buzzer for local alerts, and a GSM module for SMS notifications. A Wi-Fi module sends real-time data to the cloud for remote monitoring. The system is scalable, energy-efficient, and enables quick, intelligent threat detection..*

Keywords: *Smart Security Detection System*