

Design of a monitoring system and fabrication of a security door model using fingerprint sensors

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Abstract: This topic focuses on designing and implementing an intelligent security monitoring system using fingerprint sensors. With the goal of ensuring safety and convenience for users, the research proposes a solution by building an automatic security door unlocking model based on fingerprints. The process includes analyzing market needs, designing fingerprint recognition algorithms, and deploying the actual system. The expected result is a system that can be widely applied in public and private facilities, contributing to enhanced information security performance.

Keywords: Security system, Fingerprint sensor, Automatic door model, Fingerprint recognition, Security