ABSTRACTION

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SAFE SAFETY PROTOTYPE USING FINGERPRINT BASED ON Arduino UNO R3

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The crime mode is growing with the passage of time. It is even easier for thieves to break into the security of a safe with a variety of safe-breaking tools. Starting from using wire, crowbars, and other fake keys. Perpetrators can also break into safes with chemicals that can damage the safe opening. Based on this case, extra security tools are needed that are more secure so they are not easily broken into by thieves. To overcome this challenge, several security systems have been developed to prevent unauthorized access, such as the use of smart cards, passcodes, voice technology, Radio Frequency Identification (RFID), and biometric based. This research develops a biometric-based safe lock system. Biometrics involves the science of statistically analyzing biological characteristics. Any technology that automatically recognizes or verifies a person's identity using measurable physical or behavioral characteristics of that person is a biometric system. Several conditions for (choosing characteristics are universality, uniqueness, immutability, collectibility, acceptability, performance and evasiveness. Different characteristics such as fingerprint, facial features, eye features, etc. can be used by biometrics. This work develops a fingerprint biometric vault lock system finger.

Bibliography (2010-2017)