Embedded Door Lock System Using Biometric Technology (EDLS)

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Abstract **- This study is to design and implement a digital security system which can be used in secured zone where only authentic person can be entered. This study is to implement a security system using biometric identification which can activate, authenticate, and validate the user and unlock the door in real time for secure access using finger prints identification as fingerprint based identification. The model consists of hardware module and software which provides a functionality to allow the door to be controlled through the authentication of finger prints by the microcontroller unit. By creating the data base on track record of the user, the expectation results of this study will increase the security level especially in the laboratory rooms and workshop at Electrical Engineering Department, Politeknik Tuanku Sultanah Bahiyah.**

Keywords: access control, security, biometric, finger prints, microcontroller unit

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