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FINGERPRINT BASED IGNITION AND DOOR LOCK

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Abstract

This project mainly able to detect fingerprint id of the user to unlock the car door and start the engine. This project consist of 3 part , which is add and verify fingerprint, to be able to unlock the car door, and start the ignition system. Which will explain in the introduction. The software which use the' mikoC' is to write C++ for the add, Del, and verify fingerprint in order to start the engine and door lock. The hardware part is using PIC18F452 as MCU to connect fingerprint module, relay(s),buzzer, lcd, led light, input voltage and button. At the end the fingerprint will be able to verify the user and send the data to MCU to 'call' the relay to open door lock, after the door lock is open, the next relay (ignition) only can be activate.