

Project Type: Guided

Project Title: Password based door lock system using 8051/PIC microcontroller

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Objective:

We are always concern about our security. That is why people created mechanical lock and key system almost 6000 years ago. But nowadays the technology has changed a lot. The objective of this project is to replace the conventional mechanical lock and key system with digital technology. Instead of keys we will use password. There once the correct code or password is entered, the door is opened and the concerned person is allowed access to the secured area.

Applications:

The password-based door lock system can be installed on any hutch or doors of rooms to secure some certain area in a digital way. This system will take a 5-digit code as input and will verify if the password is correct or otherwise. If the given code is correct then the lock will open otherwise not. This system can be used in residential areas for better safety with efficiency. It can also be used at organization for purpose of authorized access.

Block Diagram:

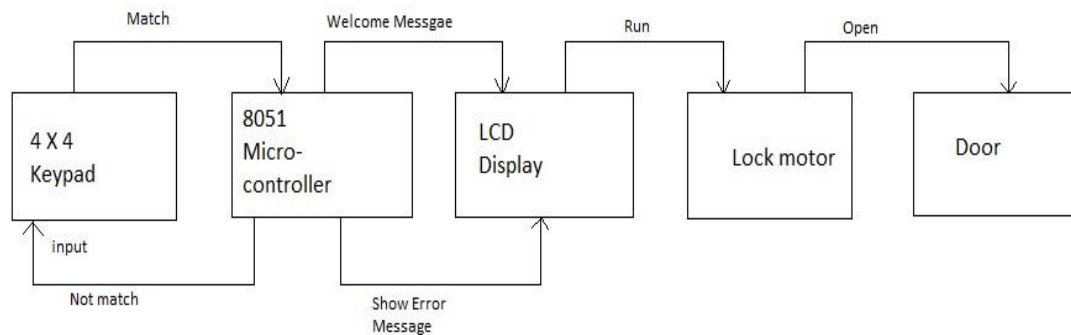


Fig: Password based door lock system using Microcontroller 8051