

Project Title : Digital Keys For Home Doors

Abstract:

Remote Controlling already exists in our daily life and is not a new concept. But here we came with a new technology in the controlling system. We are going to use our mobile for this purpose. As mobile is now days very common device that every person carries all the time. Taking the advantage of this phenomenon; we are going to use this as remote for controlling home doors increasing the luxury of life with some added advantages like providing sms alerts for gas leakage and theft.

Current System and our Proposed System.

A. Existing System

The problem with physical keys has even bigger implication for companies in the business of mail or goods delivery. This companies need access to many different private buildings. Doors spread over a wide geographical areas and govern by many different owners. Personnel need to carry keys for each single door on the delivery route. Carrying all this keys is a hassle in the daily use and the vulnerable to theft. But just as important, route, personnel and locks change over time, making it a resource consuming operation to assure that all personnel have the right key at the right time.

B. Proposed System

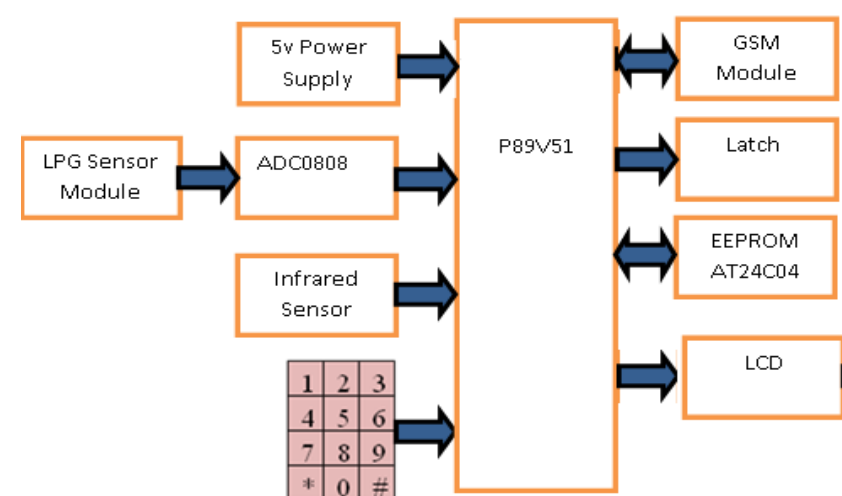
To tackle the above issue, we proposed to replace physical keys with digital keys that:

- Can easily be distributed to user
- Can only be used by the correct user
- Can be specialized for each user so each key will be unique
- Can be restricted to a given time or a date range
- Allows many keys to be contained in the same small device.

We proposed to use the mobile phone equipped with Android Platform as the mobile device. First,

mobile phones are getting very common and bringing your mobile with you is becoming as natural as bringing your keys. Second, mobile phones are becoming increasingly open to third party developer, while the hardware at the same time is getting more and more powerful. This makes mobile phones a suitable platform for uses beyond making and receiving phone calls. In this system we are also providing sms alerts for gas leakage and theft alert adding more security.

Block Diagram:



Features

The following are the prominent features of the above discussed system.

- Eliminates need of extra remote as user mobile is used.
- Password protecteg access
- Complete process requires virtuly no time
- The software can be installed on any android based mobile.
- Provides SMS alert for gas leakage and theft alert.

