

Magnetic Door Lock

Patel jay G¹, Harshang bhatt R², Prof. Ajay T. Shah³

^{1,2,3} Dept of Computer Engineering

^{1,2,3} Alpha College Of Engineering And Technology

Abstract- By using electronic and computer application. customer or client can easily operate a door, one part of electrical and mechanical which are set up in the door, second part called android app this is the main functionality.

This application operate relay and relay operate a coin which is set in magnetic lock.

The main function of this application is its controlled by a network either it is local or remote.

Keywords- Magnetic door lock, home automation, lock with IOT.

application based on android in his smartphone. Using this app user can easily handle the lock application have lock and unlock option both in it. If user lost his key he can handle the lock by app or wifi or electricity is lost he can use manual key. Using this app user can handle the lock from anywhere it is so safe to use this app. User registration is available in application one admin is their for handle the app and approve registration of user and giving the id password to user authentication is also done by admin. If someone try to broke the lock it has a safety buzzer it starts buzzing when someone try broke the lock when buzzer is start buzzing admin get the message about this and notification with address will also get by police station.

I. INTRODUCTION

Home automation is basic need of people to make their daily life easy. Home automation is used for make things easier to operate and make reliable. Home automation is needed for daily fast life it used for decrease human efforts. It is main factor to introduce new technologies for basic things of home.

we are providing a lock that is based on home automation. People of india are use manual keys to unlock their door lock. Sometimes they give their key to their neighbour there is some risk about their home security when this thing is happen because they are giving their key to other person who can easily unlock the door. Some time they lost their key and they have no other key in substitute after that they have no option to open the lock they have to broke their lock to avoid things we have to use technology for the key of home.

II. LITERATURE REVIEW

Our goal is to give security about your door lock, electric equipments. our project is introduce a lock that is based on home automation our project also tells how we can use raspberry pi for home automation. Using this tool user can handle the door. User have two option to unlock the door first is using application second is manual key. This lock is magnetic lock user have to attach raspberry pi with the magnetic lock to perform. The raspberry pi is a micro computer it is connected with wifi and lock user have

III. WRITE DOWN YOUR STUDIES AND FINDIN

- Now protecting a lock key is a big problem. Normally we give the key to a neighbour house. so solving this problem we try to make a key as a mobile app. In this app we have option to open lock through hotspot or internet connection.
- Suppose we miss the key so we can open the lock through app. we have to configure only those mobile number who are authenticated.

Problems with the present lock system are as follows.

- Sometimes neighbour handle the lock key.
- Less security of home
- Sometimes key can be lost by person
- Lock can not be opened by manual key for some reasons like lock is not working.



- Wastage of time

- Wastage of human efforts.
- Lock can not be opened without manual key.

IV. CONCLUSION

Iot is used for fetch latest technology for regular requirements and decrease the human efforts. Home automation is used for use latest technology and grow up the lifestyle. Home automation giving easy interface between user and things also provides interface between user and admin. Magnetic lock using raspberry pi is the biggest concept and a new idea for provide security and safety with technology that reliable now a days. User can unlock the door with multiple option and thus can easy interface is created so it is easy to use it. It will gives a knowledge of how raspberry pi can connect with iot for home automation. It is microprocessor that works exactly like a computer. The coding language is python that is easy then other languages python is more useful for this project it is coded in sqlite server. Iot for home automation provides us a easy interface to using a lock. Raspberry pi have a camera that can record all the things for security and safety. It defines how we can grow our life for decrease the human efforts by increase the technology.

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