“WIRELESS REMOTE DOOR LOCK”

by

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1.Abstract....................................................................................................

Abstract

Technology is advancing rapidly at a faster pace and so is the Internet. These days every house has a internet connectivity. Things have changed from the old traditional way to the ultra modern way of doing things. Everthing has become mobile since then,whether its about bank payments or household bills. Innovations are taking a new turn in the world of Internet. With the new trend of technology called “The Internet of Things”, each and unique object can be manipulated just via an internet connectivity. The Internet of Things(IoT) is the network of things embedded with electronics, software, sensors and internet connectivity to enable it to achieve greater value and service.

This could bring a plethora of oppurtunities and can make things easier in the fast moving world. From medicare to education, this technology has huge benefits. Our idea stands upon the concept called IOT(Internet of things) whereby door locks or any kind of locks can be controlled remotely from anywhere around the world just via a mobile application but without replacing the old fashioned way of manipulating door locks. Security has become a primary concern in everyone's day-today life. Therefore we have paid priority towards the security. We have worked on the idea of locking and unlocking the door remotely using a smartphone or a computer. The basic idea behind this locking & unlocking is the use of a wifi network and accessing it with a web app. The smartlock is simple, secure and easy to handle kindda lock without the need of keys. This provides you the control of your lock from anywhere in the world. In a nutshell it replaces your keys with your smartphone. It authenticates and validates the user and open the door automatically. It also keeps the record of check-in and check-out of the user.

Aim : The aim of the project is to develop an embedded based software solution for a door lock which can be controlled wirelessly and remotely.