Abstract

Securing by monitoring and controlling home security system from remote location means pioneering research area in Internet of Things. The security is in demand ie in robbery, accidents, gas leakage etc…these are the main significant features of any Home Security System. In this I have developed a prototype which is the secured smart home model. A home security system mainly uses a signals in the form of alarm in order to detect the intruder. However, the secured smart home system mainly uses a mobile communication, GPS based Home Security System. In these system it provides a more security that can be used worldwide through the android app and amazon services. In this system an alert message will be sent as an SMS or email. When a particular event is detected from the sensor, an instant actions could
be taken by the owner. The projected SSH sends notification using GPS (General Packet Radio Service) -Module and email through RENESA micro-controller. The prototype of projected system uses RENESAS micro-controller board for commands processing and control. It uses GPS technology and Amazon AWS, which provides universal access to the Smart Home Security System. The prototype SSH, developed is cost effective, can be used for transforming current homes into smart and secure homes at comparatively reasonable cost and with convenience.

References


Index Terms

Computer Science
Security
Keywords
Amazone Aws  Gps  Sms  Multisensor  theft Alarm  Andriod App.