Abstract

The significance of home security framework can't be denied in the present crime-ridden society. Home security is getting to be noticeably important these days as the potential outcomes of interruption are expanding day by day. Protection from burglary, leaking of crude gas and fire are the most vital prerequisites of home security systems for individuals. The most common system used for such purpose is CCTV camera. However, it is expensive, uses excessive space for keeping records and furthermore expects manpower to supervise the unapproved action. In this paper, we proposed a system which is cost effective with better resolution and can detect intrusion single-handedly. Here, PIR motion sensor, along with the Raspberry Pi, is used to detect motion and once it is activated, a video is triggered via Pi camera module. IOT based applications can be used remotely to view image and get email on intrusion detection.

References


Index Terms

Computer Science

Security

Keywords

Motion Detection, Raspberry Pi, Camera Module, IOT, Facial Landmark, Email Notification.