Abstract

In this proposed system, theft can be prevented using Raspberry Pi and PIR sensors. In this system PIR sensors, camera, buzzer, relay, GSM module are connected to Raspberry pi. PIR sensors are able to detect the presence of human being. After detecting any person, relays are triggered to switch on the lights. As soon as lights are on, buzzer will start ringing for specified time. After lights are turned on an image will be captured using cameras. This captured image will immediately upload on the web-page, which can be used as evidence. In addition, victim receives a notification in the form of text message with help of GSM module. Power supply to this system is given by an adapter. In absence of electricity battery backup is also provided. As the lights turn on and the buzzer rings, neighborhood becomes aware about a theft. This will make the thief scared and thief would try to escape the location. Thief is not able to execute his/her plan, belongings will be safe. This system can be implemented in jewelry shops, home etc.
References


Index Terms

Computer Science

Information Sciences

Keywords

PIR Sensors, Raspberry Pi, Buzzer, Relay and GSM 900