ABSTRACT

Home security at a time when left in the empty state is very important for homeowners, as it happens the theft prone.Therefore it has created tools for home security,system home securitybased websiteand sms as information media. Home security system is beneficial to all homeowners who leave the house empty. By utilizing this system, then the homeowner won't have to worry about the State of the home left to go. Home security system consists of the hardware and software, The hardware consists motion detection sensor of a human or sensor passive infrared (PIR), DHT11 temperature sensors, cameras and wavecom modem to send SMS to the owner of the house in case of movement of the motion sensor. As for the software consists of programs using basic language that are implemented in the microcontroller, and the use of Borland Delphi 7 applications that are used to create applicationimage capturing, monitor streaming and as an interface between software and hardware, and programming CMS Joomla to create a website for information. This tool has been realized and can detect any object moves (humans) if detected by the motion sensor and and detecting the temperature in case of temperature rise and then send sms information if there is movement and temperature increase to home owners.

Key word: PIR Sensor,DHT11 sensor, home security,