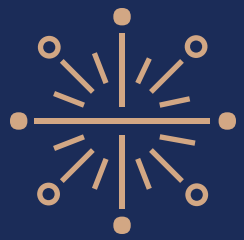
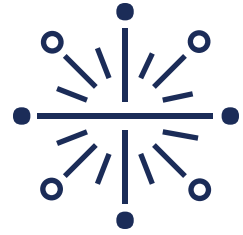


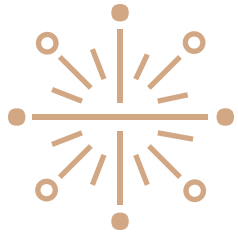
Home Secure

A home security system service



Team members

- **Yash Agarwal**
- **Saloni Juwatkar**
- **Christine Polly**
- **Sanika Bhat**



Introduction

A home security system that differentiates between intruders and family members including pets.

Problem statement

To develop a home security system that detects intruders using image processing

Need

- **IT PROVIDES SECURITY TO HOUSES WHICH HAVE ELDERLY OR CHILDREN INSIDE THE HOUSE WHO ARE VULNERABLE TO BURGLARY**
-

Need of the system

Corporations chartered in regions where they are distinguished by whether they are allowed to be for profit or not are referred to as "for profit" and "not-for-profit" corporations, respectively.

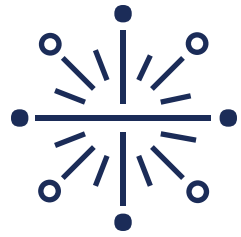
There is some overlap between stock/non-stock and for profit/not-for-profit in that not-for-profit corporations are always non-stock as well.

Current scenario

ADT is an impressive home security company on its own. It sets itself apart by offering pet-friendly products to cus If you buy an ADT home security package, you can choose motion sensors and cameras that can tell the difference between pets and intruders.

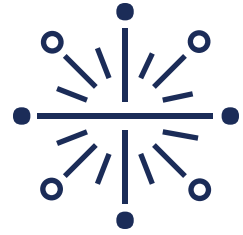
Vivint provides everything from pet motion sensing cameras to high-tech home automation equipment. Once you download the app, you can tap into cameras to check in on your animals while you’re away.

Scope
Features included



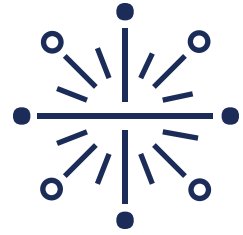
- **Capture images after every few seconds and process the images to differentiate intruder from members.**
- **Sending alert and the image captured to the user to check.**
- **To detect intruders and send an alert to the user and raise alarm.**
- **To detect whether the child/old people/pet is in any dangerous situation.**

Scope
Features excluded



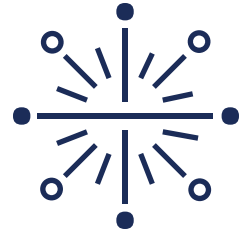
- **It only detects motion inside the house.**
- **NO live stream video to the user.**

Hardware and software required



- **Scilab**
- **Raspbian Linux Open OS**
- **Python**
- **Proftpd**

Hardware and software required



- **Minimum required OS - Android 2.3.2**
- **Raspberry Pi 2 B+ board**
- **5 MP CMOS camera**
- **PIR sensor**

Front end and back end requirements

Android application to control the system.
Python