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CASE STUDY //
SMART CAM

HD Camera with Passive IR Sensor

November 2017 | Version 1.0

Technology/ LAMP Stack: Linux – Apache – PHP – MySQL (Open Source), Arduino embedded platform with custom firmware development using C++, Android mobile application development.

A high profile housing project in Mumbai, India faced a grave threat of robbery during night times. Even though fitted with CC TV cameras, masked robbers entered the building premises and analysed the entry and exit points of the premises. They used to return back every night and walk up the building stairs to locate closed flats and plan out their robbery.

This used to happen right under the nose of tight security as the watchmen never took a notice of it, since they were not in a high alert state at that time of night. The society people only realized this after they were going through the CCTV footage of the cameras as one of the vehicles had got damaged while it was parked in the society premises and they wanted to identify the source of damage.

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After realizing this, the society members were terrified and the society apex committee approached Intermind's CTO for a solution. We planned out a Smart Cam with HD camera and Passive IR (Infrared) sensor and developed and deployed the same at the key entry and exit points of the building. The cameras we 3G enabled and could connect to our servers via internet.

The Infrared sensor tracked the presence of human or animal movement and activated the camera. The camera could click photos at 7 FPS and upload the same onto our server. On getting an intrusion signal our server used to intimate the security guards and the key members of the society over a mobile application that was custom developed by Intermind. The intrusion log in the mobile phone comprised of date-time, entry position and photos. This solution has really made the society members feel secure and they can check of the people entering or exiting their building using the mobile app.

Features

01. Passive IR based intrusion detection

02. HD photos at high resolution with night vision capabilities

03. 3G enabled with capability to upload photos on server at real-time

04. Real time intrusion detection notification

05. Mobile application to view intrusion log with photos

06. It can be used in home security, warehouse / go-down security, office security etc.

Application Uses

→ Building Complex Security

→ Warehouse Security

→ Security In "Authorised Personnel Only" Areas

Intermind is India's first truly 360° Digital Agency. Our services include Internet of Things, Virtual & Augmented Reality (Mixed Reality), Wearable Technology, Web & Mobile Applications & a Digital Marketing Suite consisting of Search, Email, Social & Content Marketing.
Some of our key clients include NSDL, GVK, Tech Mahindra, Tata Nelito, Commonwealth Handling Equipment Pool, Asian Paints, Anchor Panasonic, Senco & Renuka Sugars.

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