Advanced Motion Detection System (v2.0)

When we are physically absent from a place which we want to keep secured, CCTV is what we think of at first but it requires huge amount of data storage, consuming constant high current all the time without any intelligent monitoring. So we had come up with a solution, i.e. the first version of this project which had a 2MP camera with Raspberry pi 2 and PIR (passive infrared) sensor. PIR senses human motion and the camera takes video clip of the entire duration till the motion lasts and uploads it to a dropbox account followed by mail and sms notifications for the same so as to indicate that “Motion has been detected” and can be monitored though the video captured and uploaded to the dropbox account. This saves current consumption, memory space consumption with intelligent monitoring.

In the version 2 of our project, we modified our idea to make the system not only intelligent but also a SMART one. We will be interfacing our system to android app so that users may use our system in a smarter way. In the app, we will be keeping an option to monitor, the place we wanted to secure, whenever we want and it will work on top of the previous system. The whole system can be easily monitored from distant place through the app.