Offline mobile tracker

**Abstract:**

This app is a next generation location tracking and travel history analysis system features to meet the requirements of an user / employer / Parent / Manager to monitor their Employees / Children/ Subordinates. This app is really helpful for those who are really concerned about the confidential data, if there is a mobile phone theft because a lost mobile phone is probably top of the worst things that we could imagine. Anyone can simply intrude in your privacy such as your e-mail, facebook and even the bank account details and the hub of all other data.This app can be used to locate the lost mobile phones even if someone steels it and change the sim card. The new sim id and number can also be tracked.

This project has been proposed to overcome the limitation of existing system, by using Fusion Provider, ie the provider specific location retrieval (either GPS or Network provider or Wifi). This app also track the location history even if the network is not available, by the sensors present in the device.

GPS feasts on your Smartphone's battery (though not as much as the display does). Many users turn GPS off on their phones to extend battery life, and even apps use it cautiously. Wifi has less location accuracy when compare to gps but less power consumption also. Network providers are very weak in delivering the accurate location updates, but the least power consumption. To handle the battery life problem, Google announced a fused location API. In principle, this would be a single API that would let users access location services. Behind the scenes, the API combines GPS, WiFi, cellular data and other sensors to detect the user’s location.

After installation of the app, the exact location and usage information from the monitored android phone will be uploaded/notified to cental server/email.

It gives the large number of innovative features that help in monitoring any android phone at any location. In this system it is possible for an authority to monitor mobile phones. The authority can also monitor where their employee/child. This system is really very helpful for the Managers to monitor their Employee through mobile phones. Unlike other location tracking apps, this app never stops updating user’s location even if the the network is not available. It tracks and stores the whole location history and sync back when the device is connected to internet.

All of these logs of information is kept in a centralized server and an authority with account in this system can analysis and manipulate the recorded information.