

***MAINTAINING PRIVACY OF DATA:
PHONE LOCATION TO BE TURNED OFF***

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Abstract:

In today's world phone penetration rates has increased to 98%, where data generated by our phones- call detail records (CDR) is the primary source of data to tackle the crucial question. Our mobile phones contain rich source of information about social life, even about finance, daily activity what we perform.

Various efforts have made to preserve the data privacy in app market. Even by putting the location setting "on" we are providing access to our private data. Our data privacy it leaked as we can be traced back. Keeping location "ON" on our phone can lead data leakage as we are providing access to our current location. Concerning with the problem we can add a watch which can be turned on and off, which inherently will turn the phone location ON and OFF.

Keywords: Phone location, security, smart watch.

Introduction:

Now-a-days mobile phones have become an essential part of our life, where we cannot imagine a day without it. Increasing the number of mobile phone users, will lead to increase in theft. Localization is effected in many ways. Privacy to our data is alluded in the fourth Amendment to the US Constitution.

In today's digital world maintaining privacy is the first step while connecting any device in the network. GPS phone tracker pro, Mobile Location Tracer and Location Tracker in android based mobile applications provides location address of the user and application. By this feature we can tackle the phone, the owner of the device there by leaking the privacy of user. But it gives the surety that are phone will be trapped once theft.

Keeping our location ON will surely help us in many ways, such as tracking the user location when the person is in trouble. Women's safety where it's the first priority for current situation can be taken into account. Security leak won't be a problem by keeping your location safe and restricted.

As this feature provides our personal detail, so this should be removed. On December'19 iPhone service provider passed a circular by stating that the location tacking feature will be removed by adding a additional button in iPhone phones. So this give us a perfect way to protect our phones. As this feature is adapter by iPhone services so this can also be started by different mobile phone providers.

Need for adding smart watches:

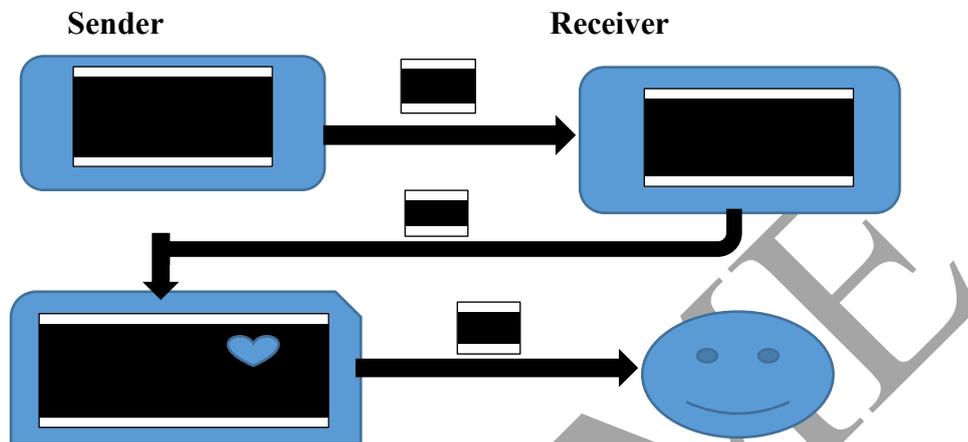
It seems to be good by turning off the location tracking feature, but still some of the other problem arises. Looking at current scenario where female safety is prior preference so we must make some safety location tracking method. Women empowerment always being hot topic in everyday life, so there should be some things to overcome it.

So even after removing this feature we can still tracker the location of person by trapping it on smart watches. By this our privacy of data will be protected along with providing security for women's. Smart watches have already played a great role in humans life since it does not only show time but also act as a mini computer.

Multiple techniques, algorithm, processes are being developing as the data input is increasing per hour. Artificial Intelligence, Machine Learning have developed many new phases for

handling abundant amount of data, so protecting of data is the first step for every process to build successfully.

What everyone wants now a days can be explained from the below figure.



Above figure illustrates basis steps where sender and receiver communicate by protecting their private data. Data's are authenticated and authorized at each and every steps, but protecting the data is the first step for any situation.

Objective:

We are protecting our data privacy even though we need to pay more to buy smart watches. In today's world mostly everyone owns smart watches so it won't lead to much of investment. This will solve both the problem of hiding location tracking feature and also considering women's safety.

Phone tracking feature can be hidden without removing it permanently.

Research methodology:

Primary data was collected by surveying people to get to know what they think about safety of data. Around 60 responders responded back for the survey. Survey was taken in a group, also on individual basis. Responders are mostly from age group of 18 to 30 years.

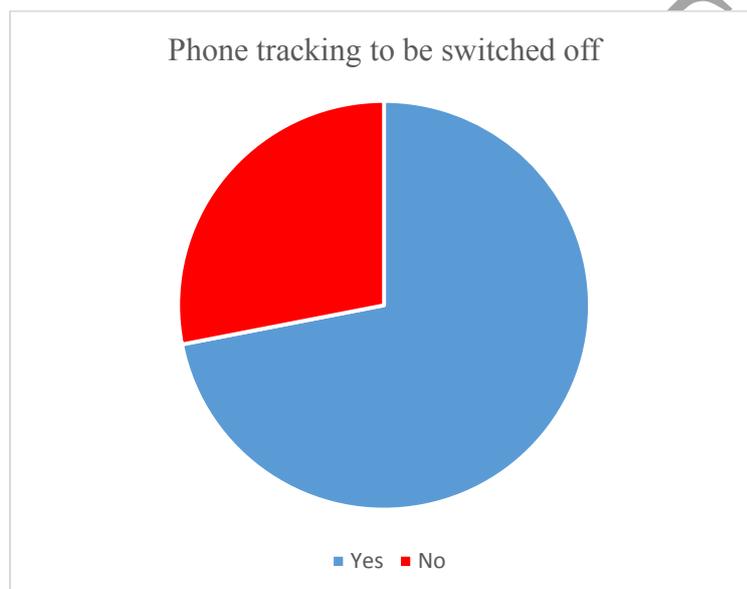
Findings:

Following table represents the number of responders:

Male	Female
37	23

Mostly all responders where not satisfied with open location of mobile phones. Everyone want their data to be safe and protected. Around 5% were satisfied with open location tracking feature as they were more concern for the safety of humans.

According to the survey mostly all people replied, "location should be turned off". Young generation of the age group 19 to 23 years where not satisfied, as they prefer location on for sharing the data, live events, sharing of locations, and many more.



Vast changes was seen in age group, but everyone concluded as atleast for some time location sharing is not needed it should be turned off.

While conducting a survey many of them where unknown that, even if we turned off the feature of location tracking it is still shared. The main reason of this was seen that, they never turned off the location feature for playing games, being live on social media, being active on many platform throughout the day. Some of them usually keep their location off along with front end camera blocked. This gives an idea that they are more concerned with their data

security. This shows that people are aware about their data security and deals with data safety measures.

Suggestion:

Location tracking feature should to be turned off, at least for 1 day or for few hours when needed. As more time while keeping the location off can lead to major problem.

Smart phones to be used while system is turned off.

CONCLUSION:

Mobile is one of the important and most used device by the person. Mobile phones as being important part for us stores all most entire data of us. This can lead to a great disaster as private data is saved. Another dangerous feature with data saving is location tracking. As location tracking gives the current location, data which can harm the person privacy.

References:

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