

Survey on Live Tracking Phone No. Via Android/IOS Based App

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ABSTRACT

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Under my survey of “Live tracking phone no. via Android / IOS Based app” we will get to see so many innovations that has been done so far. Through the survey many approaches are introduced, but which one is the best and accurate it is not decided yet. So, in this paper we have discussed which will be the feasible app and convenient for all of us to track a cell no. via app. So, many disparities you will notice about hardware and methods because technology getting change on daily basis. Tracking a cell no. is possible but if we investigate not accurate result it will yield us.

Keywords : Android app / IOS app, Database, tracking methodology, GSM,GPS

I. INTRODUCTION

Nowadays so many technologies have been implemented among the world like if we look over automobile sector, aviation sector, space research sector etc one of them is our Telecom or we can say telecommunication sector that has been drastically enhanced into real world. Latest phones variety of chipsets as well as variety of variants you will get. This technology of mobile sector has changed the world within past few decades. Every point of time a newly invented feature. You would get to see in your app or phone also our kid wants to have a cell phone even not a normal phone they want the phone, which is recently launched, but with this their security will be also crucial which each and every parents want for their child now coming to topic of that how we can secure them from cruel people via mobile app for that also idea and their

innovation has been introduced. Now using app how we can stop this activity let us understand 1. GPS and GSM technology.

Along with that a database for storing the data of individual and with help of GPS/GSM technology we can send a message to their parents and guardians that your child or kid is in unexpected place after every 3min or 5min it will re-send the reminder notification however, there is some limitations too in order to track an individual's location like range , server speed , can't depict exact location etc. Plenty of application has been made by different people but still when you look for any dedicated app over it you will not get it. Many people tried to make it with use of machine learning and Artificial intelligence, but it did not result a fruit full outcome.

II. Existing Application

Let us head over some implemented application of live tracking cell number and what technique they have used in it. Below is the table of application and their methods.

Table no 1

S No.	Title of the Paper	Author	Methodology	Conclusive Remark
1	A first look at contact tracing app.	Muhammad Ajmal Azad, Junaid Arshad, Ali Akmal Sidrah Abdullah, Farhan Ahmad, Muhammad Imran	In this paper author has proposed that how we can preserve our data and secure it from unwanted required permissions	Mostly app is asking for unwanted permission along with they do not have privacy and security measures.
2	Smart way tracking to identify individual's location using android system with GPS.	Balaji.S1, R. Raju2, Sandosh K.S.P3, Ramachandiran R4.	In Paper they have shown us that through android phone we can track employees using one special function called as investigator which checks incoming and outgoing call and text messages. and directly mail to manager.	This was one of the successful applications which does not required much expense also we can track any of the person via this. However, Prototype modal they had shown.
3	Determination of Mobile Phone Tracking using Various Software	Shaveta Bhatia Saba Hilal	1. Location via IP address. 2. Location tracking through face book. 3. Location tracking through phone number. 4. location tracking via SMS.	They have shown the method almost for every method using face book, IP address, phone number etc that was all successful and very precise using software like goggle latitude, SMS tracking.
4	Kids' Tracker: An Android Application for Tracking Children	Saadeh Z. Sweidan, Ramzi Saifan, Khalid A. Darabkh, Shaima Abu-Kaff, Sima Al-Ali	In this paper they have proposed that via bracelet in hand of kid parents can track their child with the help of application they would have to sign in and make certain expected location for child.	The idea approach worked perfectly as they have mentioned and for different days different destination and time schedules can be done. In future they will enhance battery life and more options would be there.
5	A software tool for recovering lost mobile phones using real-time tracking	Iwara I. Arikpo Gabriel I. Osuobiem	Idea approach that proposed in this paper that is with the use of android SDK tool, google map, real-time and database etc by the implementation of these all we can make tracker.	In this paper very simplified method they have implemented with minimalistic software and tools and that was working. In future user email ID register feature will be given and new SMS feature also via that user can control their cell.

III. LITERATURE REVIEW

In this paper [1] author has defined that android based application is possible, but we need to opt some special features in it then only it will be beneficial for users so that they have applied database in it [5] will provide us actual stored time and date and frequently remind us [3],[7] through an alert notification so that we can take action at right time. Also applied three kind of stages green zone, grey zone, red zone (i) if a person is in expected place as well as expected date and time so it's defined as green zone else it will be (ii) grey or (iii) red if not in expected place, date and time. Reminder notification will be sent after every 3mins of interval until he or she does not come out of that region as soon as the person will enter undesired region an alert notification will be transferred to parents or admin's devise. One more functionality that we have already discussed earlier that store all information like call detail, message detail etc so that based on this detail we can track which any individual. Later, some more feature will be introduced like connectivity with Bluetooth also with the help of WhatsApp, tweeter many other.

[21] One of the clouds performance-based paper a firefly algorithm was used for hybrid load balancing on modified particle swarm optimization has been used to determine the optimal solution. [2] Poor quality software and algorithm had used. Information were not getting update by developer so many bugs were getting encounter. Unwanted permissions were getting ask by app which was even not good

In paper [4] author tested various case to analyse which software does yield accurate result (i) using IP address (ii) using phone number (iii) using face book (iv) location tracking using SMS. So, IP address does not yield accurate result this test was flopped another one is with use of phone number this software does not give real time location Ex – if the person spotted in NCR, Gurgaon, Faridabad and after sometime if

he gone to Panjab but this software will show us only Faridabad location. Third one is with help of face book this test case also did not provide us desired result because it shows only location which an individual entered on his profile. But not current location of himself. Now last but not the least that is using SMS method depicts current location of an individual, but it has certain limitation that it cannot display nearby location for example if a person lives in society of sector 31C so it depicts only the society but not exact location where he would be. In this [6] paper author proposed the idea over location-based service with the help of android application and API which is linked with through HTTP server which provides the data from database and response in structured XML format and GIS provides us the data of location, venue like any restaurant, café etc in future more data and venues will be opt though GIS. [8],[9],[13] author proposed that how wi-fi signal and network signals are less accurate as compared to GPS and GIS system a freely android application is available in play store with minimalistic features.

[10] Author has gone through very infatuated work out that's called AS-OJEK this nothing but android based application it's also available as web-application, various languages they have used in it that is JSON, PHP, MySQL and bootstrap. Proposed research was about how to track a school vehicle through a mobile phone. Rapid application development (RAD) was used in it to make it more flexible.

In paper [11] author's proposed idea was about a one newer feature that is a front camera which takes snap from background. So, it's an android application which required a admin no. like parents number or guardian's number so if accidentally your has stolen and whosoever would be opening your mobile phone his/her a snap shot will be taken by hidden front camera which operates from background and send it to submitted phone number so that thief's face can be

found however, it was not embedded with much features.

In paper [12] author proposed a newer idea that have implemented based on android application. Idea is to track thief's phone number rather than tracking stolen mobile in this method app would search about the records of all last most wanted thief in mobile phone matters. That algorithm will recognize thief and can be tracked however, demerit was memory exceedingly more than 500GB so for that in future multi-node architecture will be included. So that more data will be stored.

IV. CONCLUSION

In this paper we have discussed variety of technology, methodology, software etc but most of them was not yielding accurate result. Tracking a phone number most of the apps were failed some of them was better but they has limitation on range, storage etc with the help of database we can store data in database as external memory also none of the app are available in any platform on basis of today's data however, future will be based over this technology because necessity of this facility drastically expanded from last one decades.

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