

# ANDROID MOBILE PHONE TRACKING USING WEB APPLICATION

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**Abstract:** The widespread adoption of various technologies by today's teenager has added a modern wrinkle to challenge of parenthood. We are moving closer to world where in which parental scrutiny becomes opt out of opt in. now a parents are concern about behaviors teen engage in online, the people whom they interact and personal information they make available. Most parents check what their teenager does online on social media. In this technical world, many IT industry and business organizations have many employees with their phones. In each and every company confidentiality must be kept by all the employees of the company. There are many organizations have their own rules and regulation. So the company has their most important work to track employee's phones to check whether any of their secret data is leaking or not. So taking this into account, we executed the system called "Android mobile phone tracking using web-application". All the information in the android phone like the call, contacts, location, SMS and other applications will be tracked by the invisible android application and send to the server and administrator can monitor data through a web application. The main purpose of this system is to maintain security of the confidential data and to monitor your young ones.

This system subsists live panel so we can monitor them live. We can access their phones' front, the rare camera as well as a microphone. And the manager can take their location. So that manager can listen to the talk of the employee who is in some meeting for the company. This is a very helpful system for parents they can also see the location of the child.

**IndexTerms - Smartphone, SMS, Google Map, API, GPS, JSP**

## I. INTRODUCTION

In the technical world approximately 68 percentage urban people have their own Android phone. In future, this number will be increased. Many employees are performing more activities on their phone for managing the policies of the company, this is very important to track their phone. The information will be a track like a call (type, name number, duration, recording), SMS (type, name, message, number), location, photos live panel (front camera, rare camera, microphone) WhatsApp, Instagram by the application which will be installed in the Android phone. After installing the application this will disappear so that the person will have no idea about where he is been tracked or not. Not a single notification will be sent to the android phone. On the other hand, admin have to login into the web application for monitoring the person. All the system needs the active internet connection. Android phone will track the information without the internet and when we connect a phone to the internet it will send data to the server. Server stores all the data and when administer login web application will retrieve data from the server. [1, 9, 10]

The administrator can access the data at any time and location with the help of web application. For the live location tracking android phone will send latitude and longitude to the server so that they can track the exact location of the phone.

This system will improve the productivity of the workers and also child have the fear of being tracked so that they will think twice before doing any wrong things. This system will provide high-level security to the organization. [11]

This system is not only for the employee but also tracking dupe's location, monitoring kids performing an unwanted activity on phones also students in the classroom and also many agencies to prevent the data leakage.

## II. FEATURES AND SYSTEM REQUIREMENTS

There should be one User-friendly web application. One can monitor the person through live panel an instant location. Maintenance and installation should not be very costly. It must be provide security and confidentiality. To fulfill this all the parameters "Android mobile phone tracking using web-application" is suggested.

As per mentioned in above parameter.

Android is a mobile OS which offers unite approach to mobile application development. Developed application can run on numerous different devices and also devices are powered using android [13].

JSP (JAVA): For web application development, we use JSP. JSP pages easily combine static templates like HTML. It is easy to query the database and to throw the results up on a web page [14].

SQL: For store database in this system SQL is used. It is very convenient to send and retrieve data from this database.

### III. SYSTEM ARCHITECTURE

In this system architecture there are two diagrams, one is concept and another is block diagram.

#### 3.1 Concept Diagram

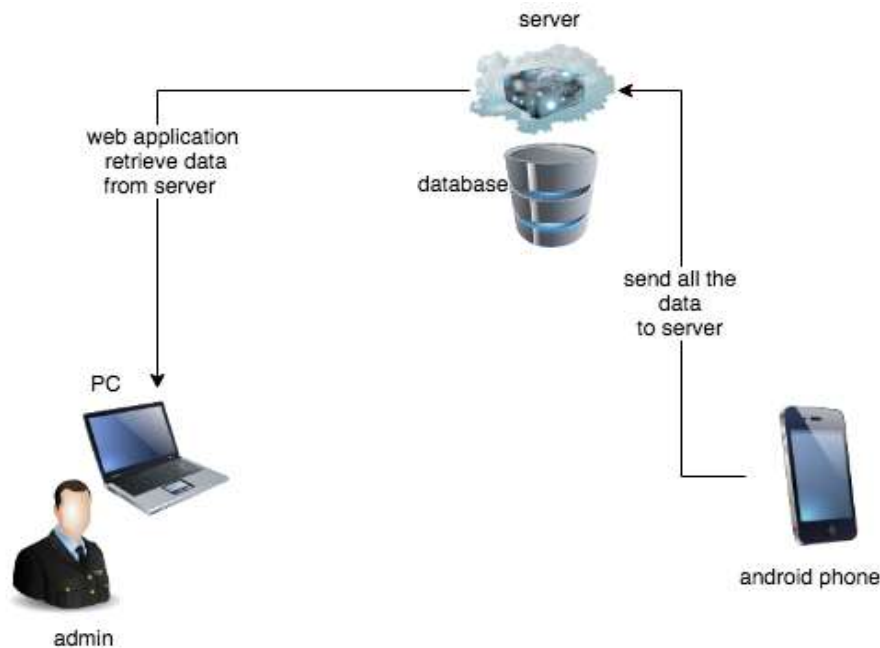


Fig 1: conceptual diagram of the system.

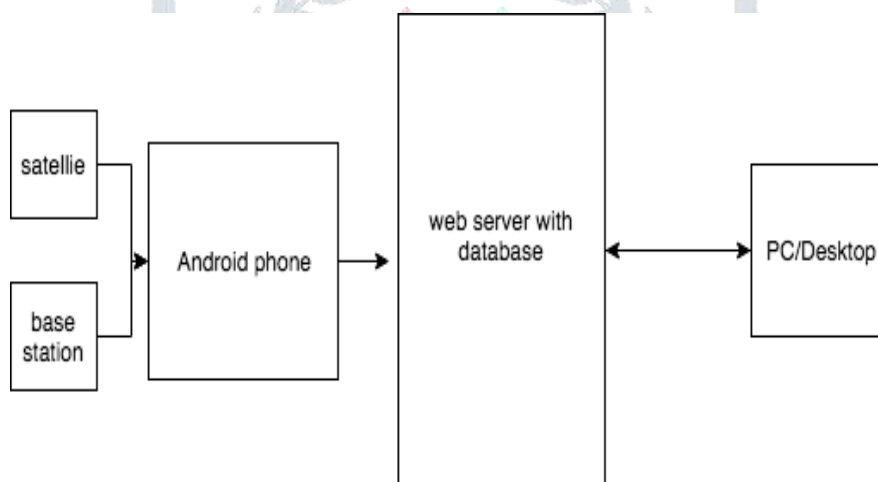


Fig 2: block diagram of the system

### IV. EXISTING SYSTEM

In the existing system, location can be done using Bluetooth so the main disadvantage of this application is there will be a specific range. And other systems have the track on the location but there will not a web application. All the data will be sent by email or SMS. So administrator has not very user-friendly web application due to this system the tracking will be easy. And also live panel such as access camera and microphone will not easily track. Previous applications were not user-friendly. For location tracking they use blur tooth system. We all know that Bluetooth works in limited area so this is the major drawback of the system. It was less efficient [12].

### V. PROPOSED SYSTEM

We proposed the system “Android mobile phone tracking using web-application” takes all the information of the android phones (each every detail of the call, SMS) in addition the live tracking. The web application is very user-friendly. So any person can track this easily. Parents also can monitor their young ones [2][7]. The main objective of the implementation of “Android mobile phone tracking using web-application” is to track user’s mobile activity and send all the data to the server. All the data will be stored on the server. Whenever administrator login with their username and password all the data will appear properly on the website. It can also use such as a centralized server to maintain all the logs. There is no chance of misuse the system. There is login page will check the authority of the user.

## VI. IMPLEMENTATION

This system developed by android programming. And web application is made by JSP. We implemented and spy kind of the Android application so that this application recorded all the work on the android phone and this system track all the activity of the child. After registration of the user android application will be disappeared for granting the permission we use the android studio and give following permission. [5]

- internet
- call
- access network stability
- SMS
- location
- contacts

### 6.1 Flow Chart

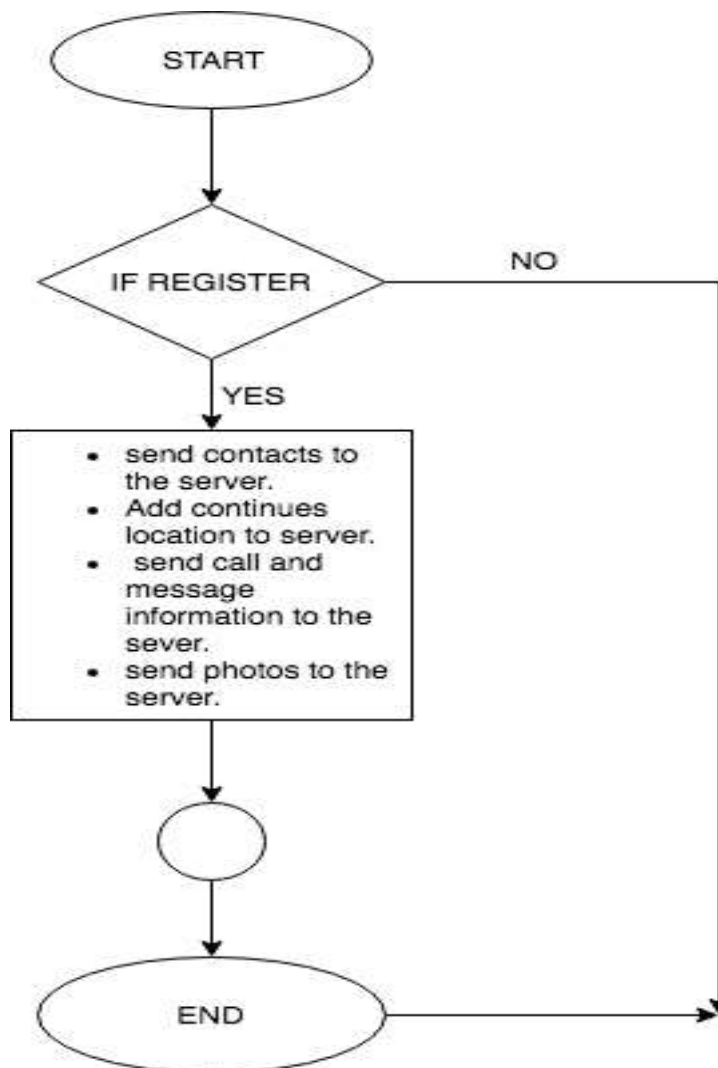


Fig 3: Flowchart for android apps system

First of all there will be one android application installed in android phone which is not visible to mobile user. This application will monitor all the activity of the android mobile phone whether mobile is connected to internet or not. It will store all the activities. When mobile is connected to server it will send all the data to the server. Server stores all the data in database [8]. There will be one web application in which administrator need to login with their user name and password and then instantly web application will retrieve all the data from the server and admin can easily see the data. There will be another facilities available than in some cases admin can also modify the data. Like one can block the contacts from the web application [6].

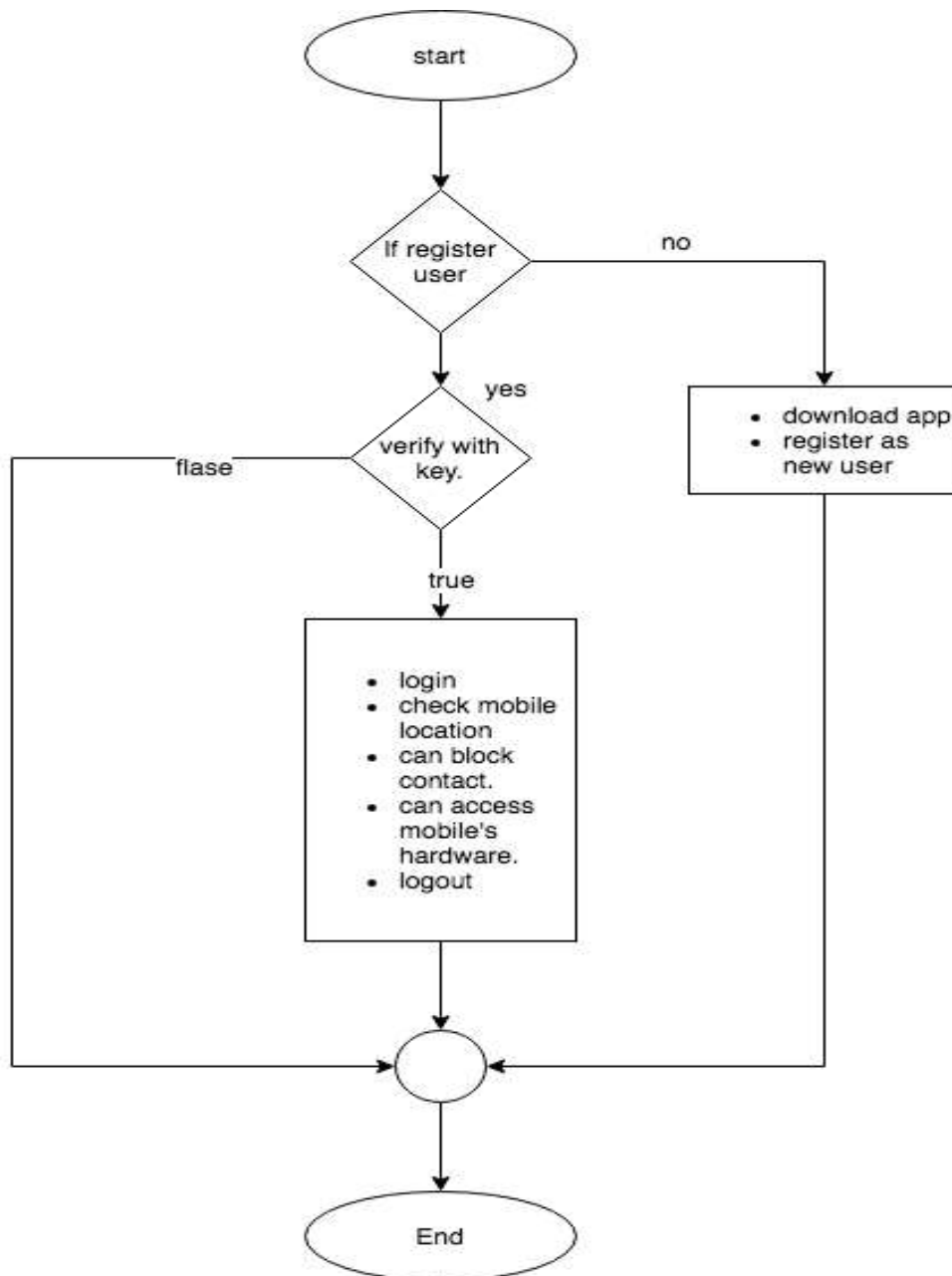


Fig 4: Flowchart of mobile tracking system web application

### 6.2 User Interface Design

In this competitive world, the software becomes more popular if its user interface is simple to use, easy to understand, fast and attractive.

User need to register from the android application. After registration process is done this user will be added to the server data and this application is successfully installed in the android device. This android application is invisible and have root permissions so that can store data of phone as well as other application.

For this system we make very user friendly web application so admin can easily see the data.

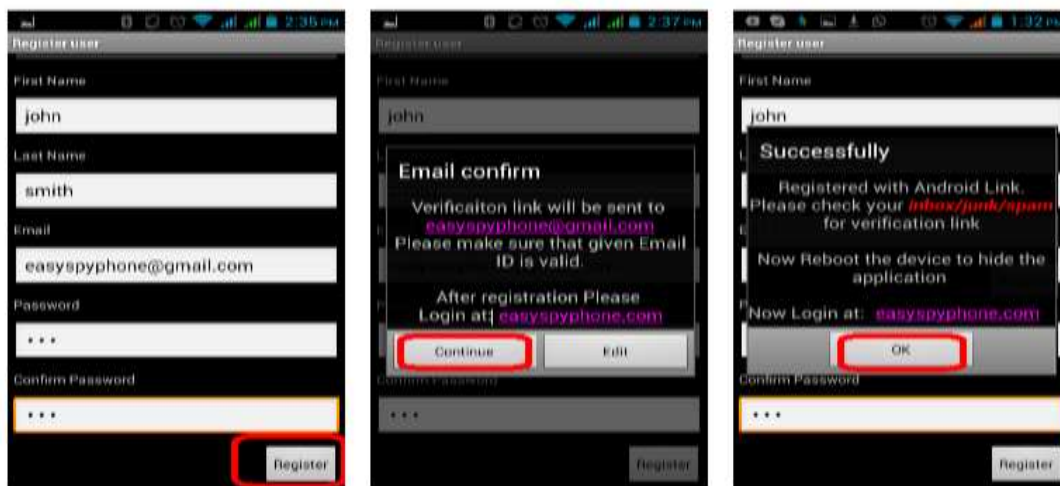


Fig 5: Registration of the user.

For registration user need to register from the android phone which will be track.



Fig 6: login page of the web-application.

This web application is compatible with all the browser.

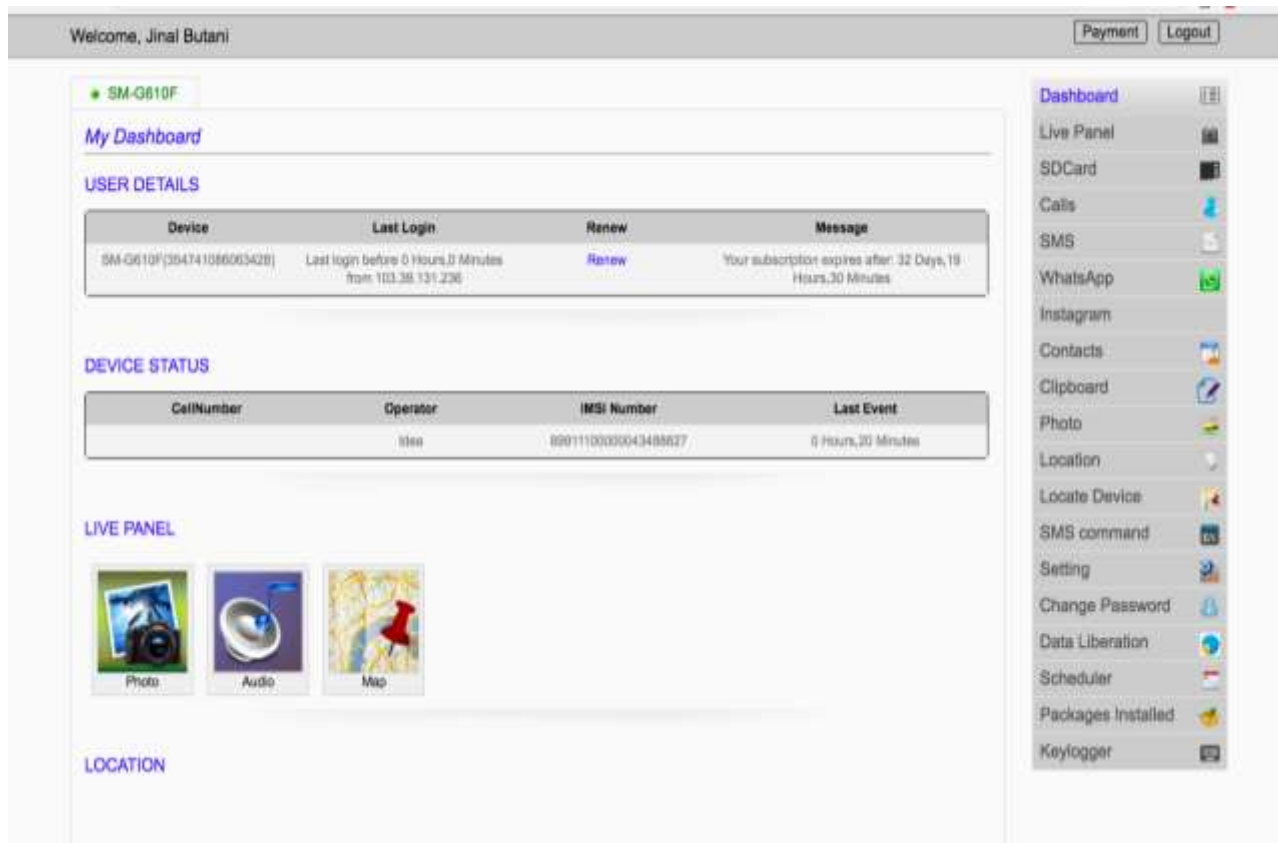


Fig 7: user interface for web application (dashboard)

This is the first page of the web application this includes user’s details and device status.

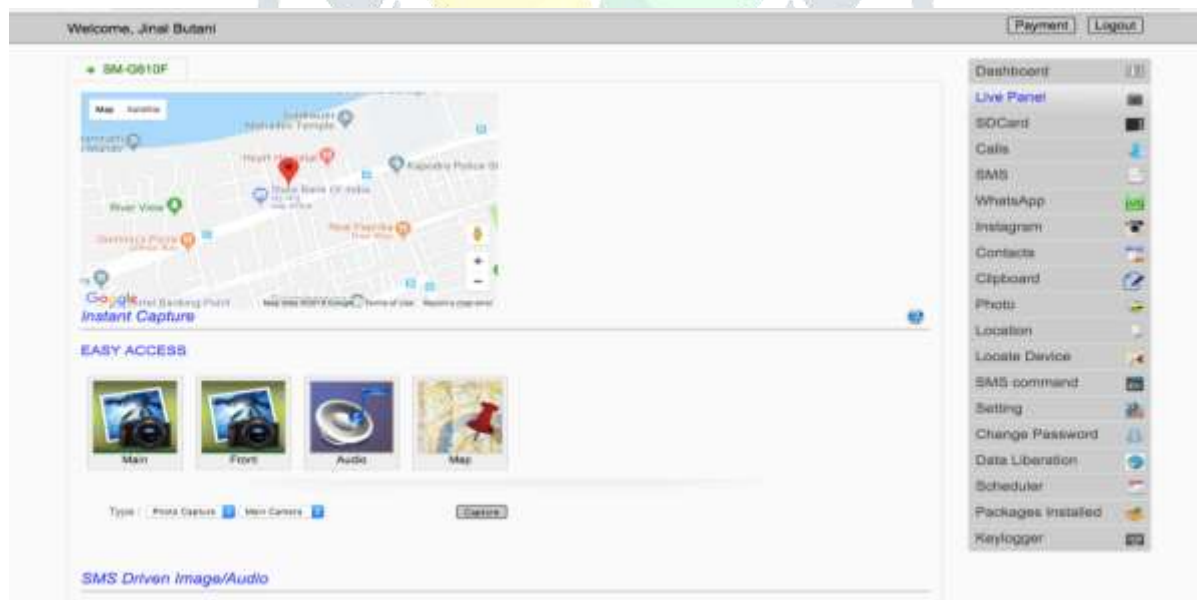


Fig 8: user interface for web application (live panel)

This is very unique feature of the system we can track user live. We also can access mobile’s hardware through the web application such as main and front camera of the phone, microphone of the mobile phone. And during this tracking mobile user have no idea about this that he is been tracked because he will not receive a single notification [3, 4].

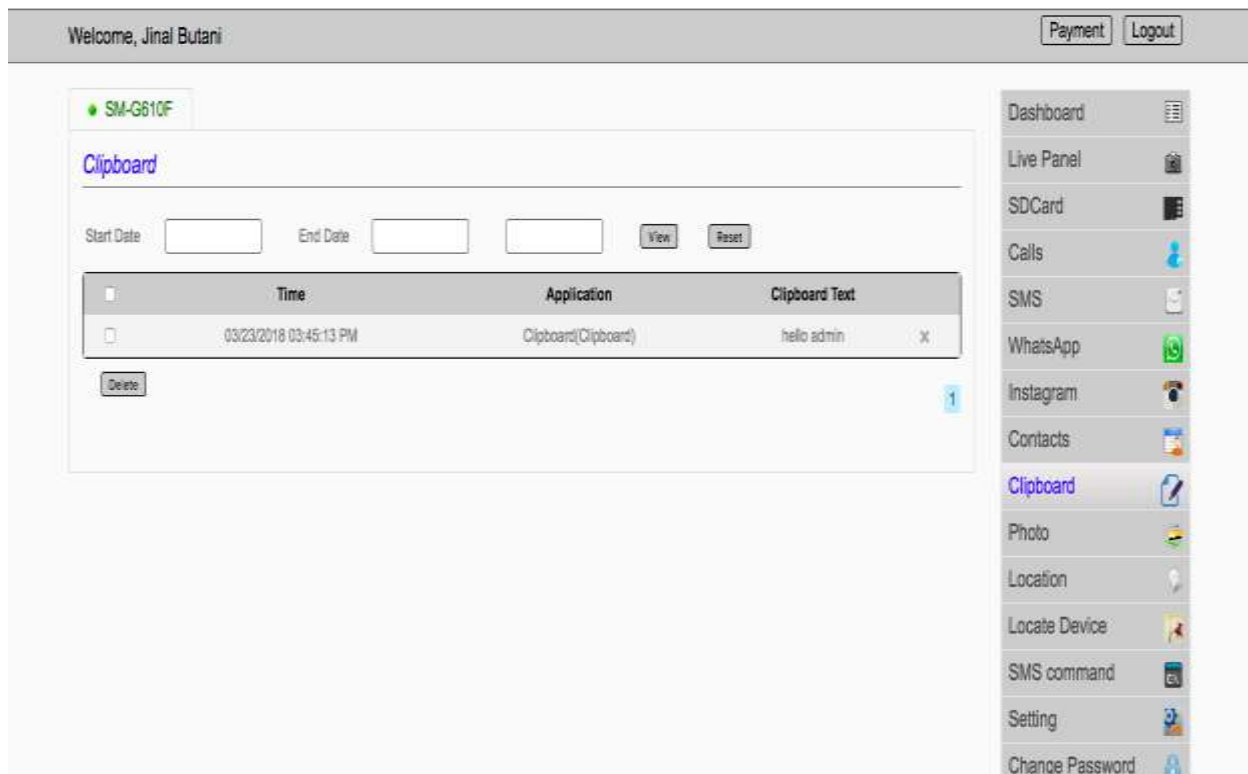


Fig 9: user interface for web application (clip board)

Along with live panel there will be many feature like calling details, SMS details, WhatsApp messages, Instagram, contacts, clipboard, photo access, location access, locate divide and past location of the user, some setting for the system.

## VII. ADVANTAGES AND LIMITATIONS

There are many advantages of this system: It is user friendly. Admin can use this service 24 hours. All the data will be send automatically. This web application works with all the browsers. It is much secured.

There are some limitations of this system: Android phone must have high speed internet connection. Sometimes it will fail due to google location. In some cases, this system may use in wrong way. This system perfectly works on Samsung android mobile phone .some companies like appo and vivo may generate some error.

## VIII. CONCLUSION

“Android mobile phone tracking using web-application” is developed for Android phones. The main objective is to track employee and young ones. All the information will sent to the centralized server through the invisible android app. This system tracks all the data of the phone. It is very useful system and it helps to maintain security and confidentiality of the company.as well as it used to track children.

Thus it is socially very beneficial.

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