

Mobile Activity Monitoring System Using Android Spy

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Abstract - Now a days Android mobiles are everywhere in the world, but if we consider the area such as IT industry, organizations, educational institutes, businesses in these sectors all the employee with their android smart phone performs much activities. Every company, organization having their own policies, rules, future projects so in such cases the privacy, security and confidentiality must be maintained by the employee of the organization. So it's very important to track their mobile phones whether they are leaking the confidential data or they are doing wrong call, wrong SMS, or crossing out the organization's geographical area in working hours. After considering all these factors, we implemented the system "Mobile Activity Monitoring System Using Android Spy" This system is implemented for tracking the daily activity of the users with their android mobiles. The information such as call log, SMS along with its date and time will be tracked and updated to the server this server will be monitored by the administrator. This information can be maintained for security purpose of the organization such as leaking the confidential data and maintaining policies of organization.

Key Words: Android, Monitoring, Tracking, Call log, Date, SMS

1. INTRODUCTION

Mobile phones are everywhere nowadays and users are performing activities with their mobile phones in the organization even in working hour so the system is implemented to track over the users what activity they are performing in working hour in the organization. The information will be tracked such as incoming and outgoing calls will be tracked also the information about incoming and outgoing SMS will be tracked and sent to the server and an alert will be sent to the administrator's mobile device as soon as the activity will be performed by the user through their android mobiles. The tracking will be done base on background services running on the user's android mobile device, the apk file will be installed at the registration time of users. All the necessary information about the user such as User id, User name, User Designation, user department, user mobile number will be maintained by the administrator. Administrator can access the user's location at any point and if the any user crosses the specified geographical area of the organization or banned area of the organization an alert will be sent to the administrator's mobile this will have done by fetching

latitude and longitude by the spy working in the user's mobile device.

2. Body of Paper

Section -1: Literature Survey

The explosive growth of the Android platform has been a significant win for consumers with respect to competition and features. To provide users with the security applications to manage the data in their personal smart phones is very important. In this paper we describe an Android app development that the user can use to keep in touch with the lost phone if the user has misplaced the mobile or forgot the mobile somewhere and wanted to know the call history, SMS, GPS locations etc. The security solution provided by this app requires the user to install the application with security codes for call logs, SMS and GPS tracking. User has to send an SMS with these secret codes to the mobile in order to retrieve the call logs, messages, GPS locations to the mobile from which the SMS was sent. User can also manage personal information such as delete the call logs or messages. If the SIM card has been changed, the user will receive a notification with that information to the alternate number. With this app, users can also manage the personal information remotely and securely. The process and coding created in this research can be used as the platform for other secured android mobile app development.

Section -2: Objective

To objective is to track the user's daily mobile activity and send all the status to the administrator and also log will be maintained to the centralized server where users belong to student, employee, officer, kids, and others.

To increase the security, confidentiality and integrity of any organization with their employees.

This system will not be misused as the one administrator will maintain all the logs of information and maintain confidentiality in it.

Section -3: Scope of Project

In this approach, requirements for "Mobile Activity Monitoring System Using Android Spy" is described. As per described in previous section for parameter we use Android programming because it is very easy to install app on android operating systems device on the other hand it provides several

permission like internet permission, GPS permission, SMS permission, reading contact permission and several others therefore we used Android programming to add functions and flow to our system. Implement the “Mobile Activity Monitoring System Using Android Spy”.

Section -4: System Architecture

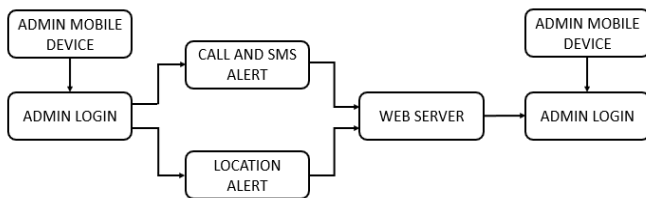


Diagram: System Architecture Diagram

Section -5: Result



Fig -1: Application Interface

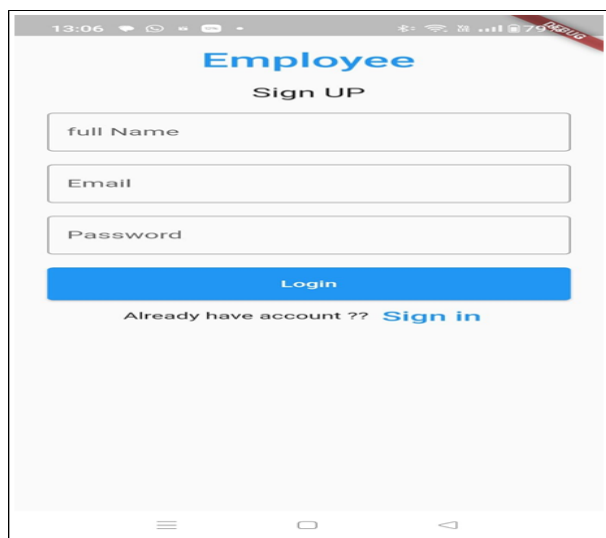


Fig -2: Sign up page



Fig -3: Permission Access

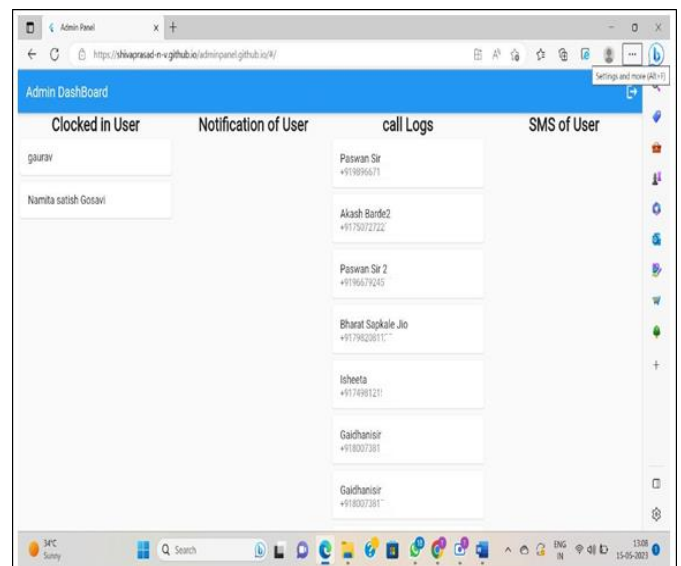


Fig -4: Admin Dashboard

Section -6: Application

- Industries
- Security
- Private sector
- Government sector

3. CONCLUSIONS

The aim of this model is to monitor the employee or user in case what activity they are performing with their mobile phones for security purpose. All this information will send to the administrator’s mobile device as well as on centralized web server through the Android Spy. This system also tracks the location of employee and sends to the manager if they crossed the specified geographical area of the organization. It is very

useful system for monitoring user and employee of any organization. It will improve the performance of organization effectively. It also helps to use working hour effectively. This system helps to maintain the security of any employee base organization; on the other hand, it also helps to track children's location in minimum time.

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