



## CHILD MONITORING SYSTEM USING ANDRIOD APP

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**Abstract :** The world is changing rapidly due to information technology, and all the people around the world are busy with their jobs, and business, adjusting to this race. Now, parents are giving more time at their business, office, and jobs, instead of passing the time at home, but they always get worried and scared about their children due to abuse of Information Technology and the country's law and order situation. So, parents are wanted to track and monitor their child's activities and location from anywhere to resolve their pressure. But it is not possible for every parent to monitor their child physically due to many reasons. This paper presents a system that will help parents monitor their child activities from anywhere using a mobile phone to solve the problem. This android app uses global positioning system (GPS) and mobile services to find the child location and secretly stored all the call logs, short message service (SMS) logs, contact lists, and accurate locations without knowing the children. Children assume that they are using Facebook, browsing the net or watching videos from you tube. It will not hamper any activities of the child. Parents can check all the activities of children using this app.

**Index Terms - child monitoring, child safety, child tracking, hidden activity.**

### I. INTRODUCTION

There is a lot of misuse is done on smart-phones operating android by recent generation. To control this, we are developing this application which will be installed on child's smart phone by parents. There is some feature which we will provide like Create and maintain log of calls, Record call, Create and maintain log of message, Record messages. This entire detail is maintained and recorded by our application file in background. This entire data will be sent to parent's. Parents can view what their child is messaging as well as talking. This will enhance security over children by parents.

### II. EXISTING SYSTEM

Mobile phones or smartphones are rapidly becoming the central computer and communication device in people's lives. Application delivery channels such as the Apple App Store are transforming mobile phones into App Phones, capable of downloading a myriad of applications in an instant. Importantly, today's smartphones are programmable and come with a growing set of cheap powerful embedded sensors, such as an accelerometer, digital compass, gyroscope, GPS, microphone, and camera, which are enabling the emergence of personal, group, and community scale sensing applications.

### III. METHODS AND DISCUSSION

This app offers the bulk of categories to block all inappropriate content from their child's web experience. This app helps to block all inappropriate content from your child's mobile phone. Create and maintain log of CALLS, SMS Contacts and current location of the child and screen video. We can maintain all logs of calls. Using this app, the incoming and outgoing call will be recorded and send to cloud database. Parent use this app another end logs to be informed about your child's online activity. We can see the web history of our child's phone that is what type of site they could access. In our proposed system, we emphasized the security of a child. This system consists of two sides: child and parent side. The main aim of this system helps parents to observe their children's activities from anywhere. In Bangladesh, most of the parents are working outside of the house. They cannot look after their children by keeping their side. They give a smartphone to their children to know the activities of them. That's why we have developed an android app for a mobile device that provides various services to parents. In the children's mobile phone, there is a secret app. From this app, parents can see where their children are going, what they are using on their mobile phone, and which website they have visited. Parents can also listen to their call history from call records. Figure 1 shows the block diagram.

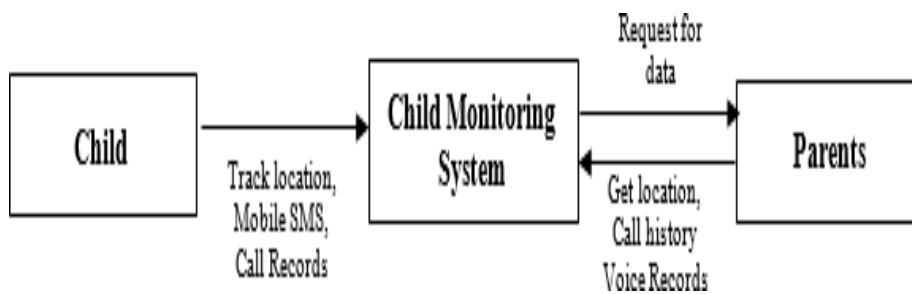


Fig 1: Block diagram

**IV. IMPLEMENTATION**

As we know, there are two account options in this child monitoring system: one for parent and another one for a child. At first, running this app needs registration, then log in. To sign up for the system, a child must have to use email and password, but the parents must complete this signup task without informing them on the children's smartphone. It is also showing the login page of the child page. Besides this, parents have to install the same app on their smartphone and register by giving their Name, email address as given in the child app and the password. After that, a parent can log in to the system to view the details of the children.

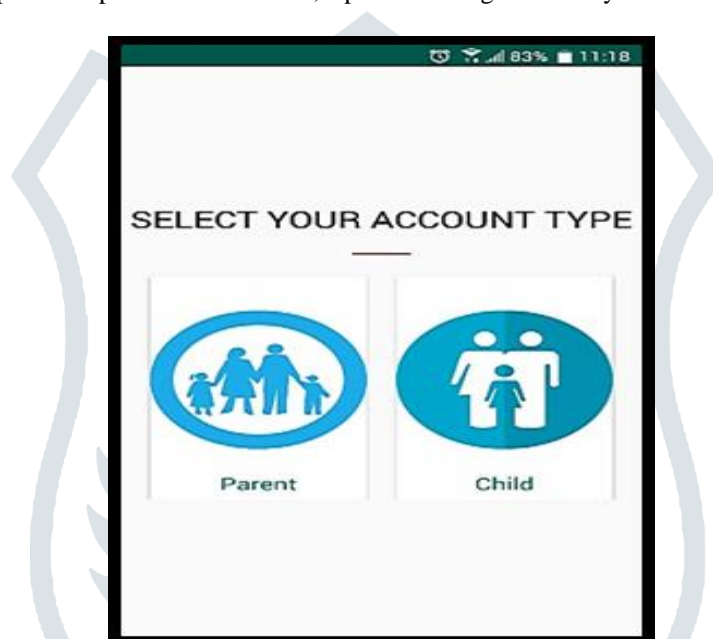


Fig 2 : Login Page

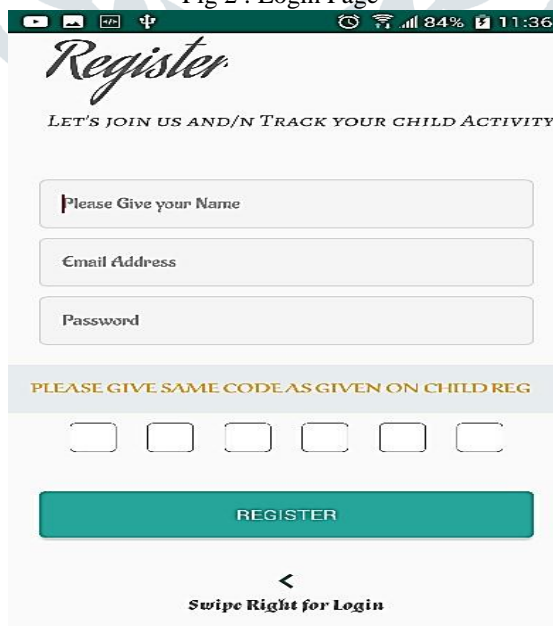


Fig 3 : Signup page for parents

**V. RESULTS**

This section describes the outcomes of our proposed method focus parents' login procedure and child call/browsing history. In the next sub section, child registration procedure and their activities are explained. Child does not aware of the parents' section and their monitoring procedure.

**5.1 PARENTS SECTION**

Primarily, we described the parent's section. To login into the system, parents have to input all of the required information like a name, password.

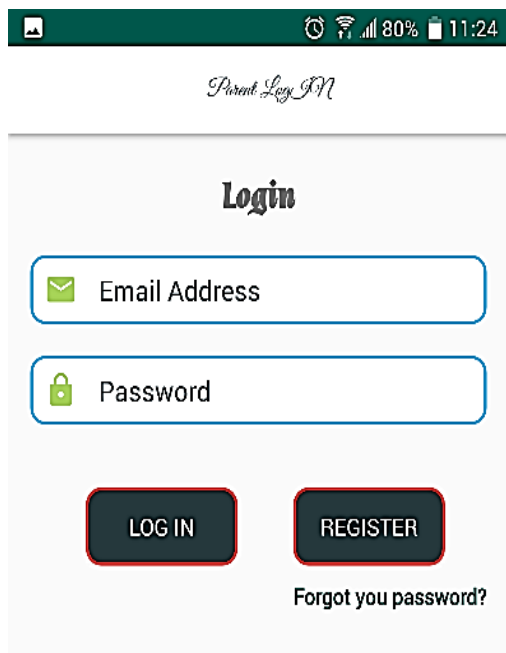


Fig 4 : A sign-in page for parent

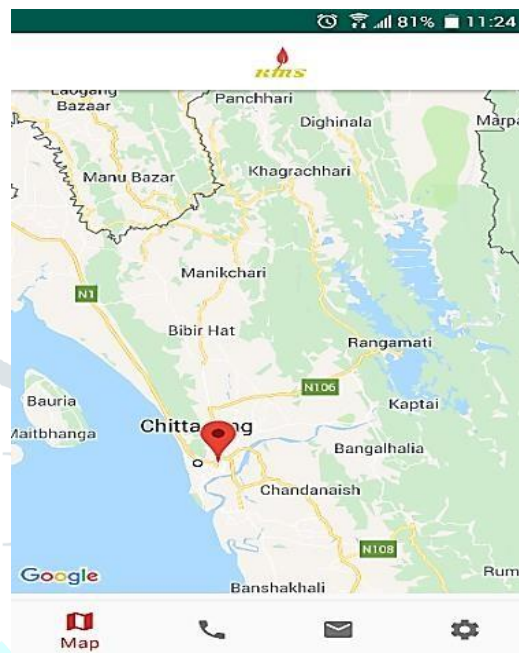


Fig 5 : GPS location

**5.2 Child Section**

Secondly, the activities of the children in this app are going to be discussed in this section. At first, this app has to be installed on child smartphone by the parents, and a child cannot know about this app.

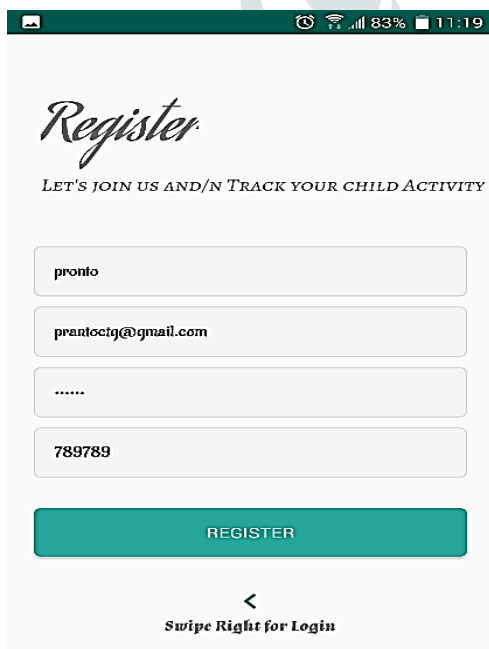


Fig 6 : Login Page for children

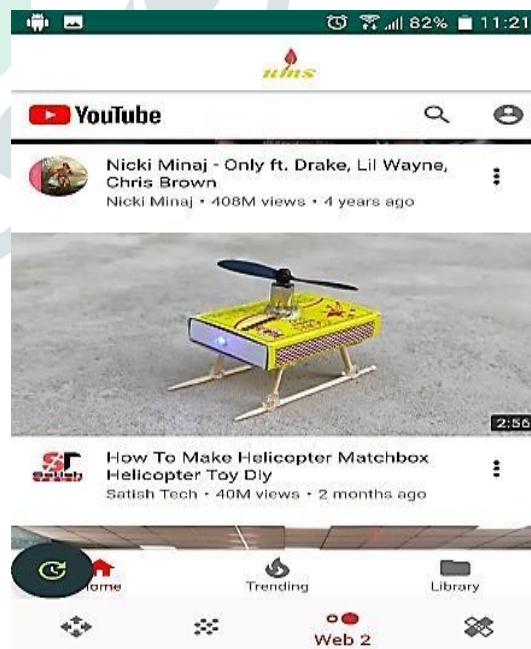


Fig 7 : Youtube Page

**VI. CONCLUSION**

It is a big benefit for the parents that many children are using smartphone while in school, and that is why the guardian can monitor the children's activities and track the children through accessing smartphone, which is very important for busy guardians. This paper presented research that will help guardians monitor their child activities from anywhere using smartphone whenever they want from any location. They can also check their children current location, which websites they have visited, how many calls. They

have given to friends or others the SMS logs and which video they have watched without informing and hampering the children's activities to be aware of their child activities in the future if they find any terrible habit of their children. This app is very useful for parents to monitor their children and to resolve their mental pressure.

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