**DOCUMENTATION**

The internet is the medium that will be used to transfer user data and service request from the mobile to the server and then the requested information back to the user. Figure 1 shows the main 5 elements that construct the system which are the GPS, the client tier, server tier and the database tier[1].

Client tier (Mobile): The mobile requests its location from the positioning system periodically and sends it through the communication network to the server. The user can request for the location of a family member at any time from the server. Also an alert in the form of a notification can be received whenever the user and a friend are in the same locations.

**Server:** The server receives users’ location and alerts two friends if they are in the same location or update the user about the location of family members.

**Database**: The database contains all users subscribed in the service with their location, a separate list for each user that contains friends and family members that can be located, and there is a table that contains locations with their coordinates. My SQL is the database used for maintaining the record of the child’s activities along with PHP.

This system is designed for parents and children. It can also be used in offices by the employer for the employees. Both have a smart phone that supports Google geo location and SMS facilities. SMS is a basic service provided on any smart phones but Google geo location can be found only new smart phones. The application is mostly to be used by parents to track their child’s location. In a later phase for implementation purposes, the system will be eclipse supporting android.

**System Features**

In the life of the software development, problem analysis provides a base for design and development phase. The problem is analyzed so that sufficient matter is provided to design a new system. Large problems are sub-divided into smaller once to make them understandable and easy for finding solutions. Same in this project all the task are sub-divided and categorized.

**System Modules:**

**PARENT**

Registration and login

Create site details

View Google geo location

Manage sites

Block Site

Receive SMS

Admin Login (Act like police control room)

Login

Monitor Emergencies SOS

Receive only email

Registration and Login

Search site

Update Geo location

SOS Button – For emergency

SMS Alert to parent

Add Guardian – Email & Mobile No

Manage Guardian

**MODULES DESCRIPTION:**

**Parent:**

**Create site details:**

The main activities in the application are the user create site for user. The other modules are followed by this create site. This module records only user and password of the user.

**View Google geo location:**

The android application uses Google geo location map services to locate their child’s location

**Manage sites:**

Parents are manage the sites details.

**Block Site:**

The parent complaint details to the admin directly the admin receive the sms and email and then block to the wrong person id.

**Receive SMS& email:**

Receive SMS and email from child in emergency time.

**Admin**

**Monitor Emergencies SOS:**

We introduce Safety Monitoring system which is helpful for monitoring or tracking the child and their activities from anywhere in the world.

**Receive only email**

User views the status about their complaint for receive only email

**Child:**

**Search site**

The search to website in the child safety application and then login page for user. To create the email id and user password.

**Update Geo location**

The user can request for the location of a family member at any time based on longitude and latitude location.

**SOS Button - for emergency**

Its primary role is to periodically receive messages and in response send email to the parent module and alert them if the child is in danger.

**SMS Alert to parent**

This application help to send SOS message for the parents the major advantage of this feature.

**Add Guardian – Email & Mobile No**

Feature in the application add guardian details for calling secondary emergency purpose.

**Manage Guardian**

Guardian app which is installed in the guardian mobile and initiated by giving the mobile number