# SAFETY MANAGEMENT FOR WOMEN THROUGH AUTOMATIC GPS LOCATION TRACKER

## Abstract:

In today's world, people using smart phones have increased rapidly and hence, a smart phone can be used efficiently for personal security or various other protection purposes. The heinous incident that outraged the entire nation have waken us to go for the safety issues and so a host of new apps have been developed to provide security systems to women via their phones. An Android Application for the Safety of Women and this app can be activated this app by a single click, whenever need arises. A single click on this app identifies the location of place through GPS and sends a message comprising this location URL to the registered contacts and also call on the first registered contact to help the one in dangerous situations. The unique feature of this application is to send the message to the registered contacts continuously for every five minutes until the "stop" button in the application is clicked. Continuous location tracking information via SMS helps to find the location of the victim quickly and can be rescued safely. We can record audio for further investigation and can give an alert call and message to the pre-set contacts with the instant location every 2 minutes and can be tracked live using our application. Hidden camera detector is also a distinct feature using which we can ensure our privacy.

## GOAL/ Objective:

The main goal of this application is to provide location tracking functionality to Android devices using SMS. This application locates a device by making a call to the device and gets its location in the form of the latitude and longitude of that Android device. The application also has the capability of authentication to allow the sender to share the location information with the receiver of SMS.

## Technical feasibility:

The cost and benefit analysis may be concluded that computerized system is favorable in today's fast moving world. The assessment of technical feasibility must be based on an outline design of the system requirements in terms of input, output, files, programs and procedure. The project aims to provide the latitude and longitude of current location information to all people having android mobiles through customized android application's activities. The current system aims to overcome the problems of the existing system. The current system is to reduce the technical skill requirements so that more number of users can access the application

## Economical:

The organization has to buy a personal computer with a keyboard and a mouse, this is a direct cost. There are many direct benefits of covering the manual system to computerized system. The user can be given responses on asking questions, justification of any capital outlay is that it will reduce expenditure or improve the quality of service or goods, which in turn may be

expected to provide the increased profits. The project is economical such that it consumes less memory in the mobile device and so consumes less power only.