

# Personal Safety App

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## ABSTRACT

*Personal Safety App is Safety App is a modern protection utility for women, senior residents and each person who desires help in a pressing situation. Women all over the world are going through a lot of bodily harassment in public locations such as railway-bus stands, foot paths etc. There is a want of superior girl's safety gadget to supply the protection measure in public locations as properly as touring on my own via public transports. This paper proposed a new model for the female protection in public locations which ambitions to furnish a hundred percent protected environment. Women's safety is an indispensable difficulty in today's world and it is very a good deal wished for anyone over such an issue. This paper describes a "Personal Safety App" that offers the mixture of GPS system and specialized software program to tune the vicinity as nicely as supply indicators and messages with sending a photograph associated with situation. Now a days due to currently occurred instances such as rape by using drivers' colleagues, housebreaking etc., worker security, particularly lady's worker protection has emerged as very important. System makes use of the Global Positioning System science to discover out the area of person. The records of man or woman supplied through the system can be seen on Google maps the usage of Internet. The IT corporations are searching ahead to the safety hassle and require a gadget that will consider the trouble of female employees' safety working in night time shifts. This paper focuses on the proposed mannequin that can be used to deal with the hassle of safety trouble of ladies.*

**Keyword :-** Personal, safety, GSM based, App,

## 1. INTRODUCTION

Personal safety app is a big concern which has been the most important topic till date. Personal safety app matters a lot whether at home, outside the home or working place. Few crimes against ladies particularly rape cases were terribly dread and fearful. Most of the women of various ages, till this day are being subjected to violence, domestic abuse, and rape. As ladies ought to travel late night generally, it's necessary to remain alert and safe. Although the government is taking necessary measures for their safety, still, there are free safety apps for women that can help them to stay safe. Most of the females these days carry their Smartphone with them, so it is necessary to have at least one the personal safety apps installed. Such a security app for ladies will definitely facilitate in a way or the opposite. This is user-friendly application that can be accessed by anyone who has installed it in their smart phones. Our intention is to provide you with fastest and simplest way to contact your nearest help. In this system user needs to feed contact numbers, in case of emergency, the system sends SMS and calls on one of the numbers feuded into the system with the location. The phone starts vibrating and siren starts ringing. This features for both everyday safety and real emergencies, making it an ultimate tool for all.

## 2.METHODOLOGY

### **Design of System:**

Base on the vital evaluation and the requirement of security performance the modules are chosen as:

#### **A) Database Module:**

The consumer want to open utility and first we will see login screen. If you have login identity and password then you have to login the usage of that ID and Password. If you have no longer legitimate identity and password then you have to create ID, Password for that click on register button. After registration you have to login the usage of legitimate ID and password. When you get login, you will go to Homepage. In homepage you have to get 4 alternative call, emergency, choice and friends. In name module is use for emergency calling and message difficulty for emergency message purpose, the alternative button is for getting nearest hospital, police station and bus stop, the subsequent choice is pals this is use for including buddy listing for calling and message.

#### **B) Global Positioning System (GPS) module:**

It is a unique positioning tool, tracks the region in the structure of longitude and latitude based. The GPS Coder Module used this fact to search a specific tackle of that vicinity as the avenue name, close by junction etc. In case the place GPS is disabled then the machine will only ship the longitude and latitude. Internet is mandatory.

#### **C) GSM System Module:**

Global System for Mobile verbal exchange (GSM) SIM card is inserted internal the cellular gadget to ship and get hold of the messages the usage of GPRS. The GSM SIM card range is registered with the system. With growing utilization of GSM, community offerings are extended past speech conversation to contain many different customiz ed applications, computer automation and laptop to computer communication.

#### **D) Activate Button Module:**

This module will be going to allow the silent mode and information carrier automatically. After enabling the statistics carrier, the region of the man or woman is routinely ship to the contacts that are brought in the database. After that the robotically digicam is going to begin and the photograph will be seizing by using the person at that moment. This Image will be going to ship to the contacts that are added. e) System Architecture In the plan segment the machine structure is established. This segment starts off evolved with the requirement file delivered through the requirement section and maps the requirement into architecture. System layout is the system of describing, organizing and structuring the factors of a machine each at the architectural degree and at designated level. There are two components that want to be centered to apprehend the factors of diagram that are

- Components of the machine design
- Input of the gadget layout process's

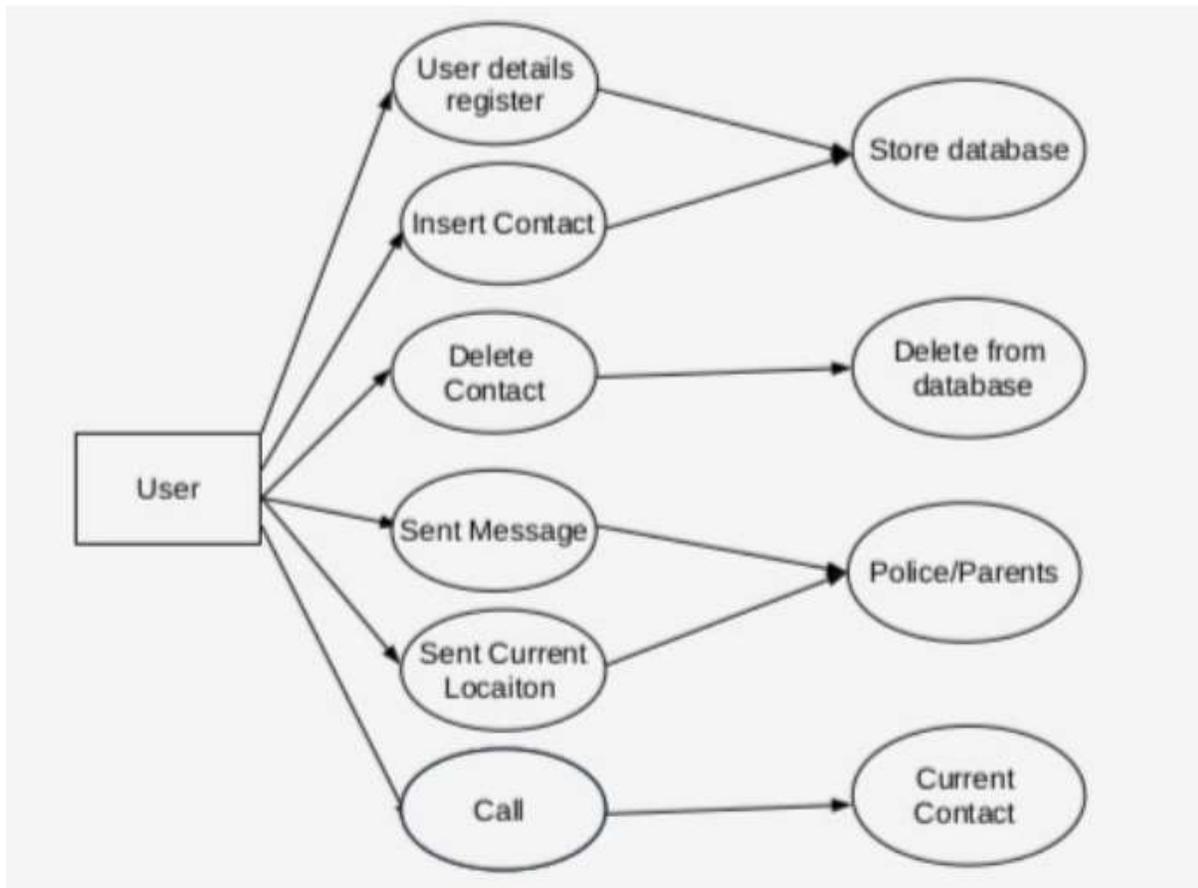


Figure 1: block diagram of system

### 3.IMPLEMENTATION

The execution passed off in gadget and it used to be required to reduce the pressure utilization by means of half, improve road safety and restriction assist cost. Savvy lights can be made smart by using appending sensors and cameras which empowers to distinguish development. Extra improvements empower streetlamps to communicate with one another. When the sensor acknowledges human beings on foot it imparts that statistics to the adjoining streetlamps so they mild up and supply a blanketed circle.

### 4. CONCLUSION

venture focuses on presenting safety to customers which consists of location-based services, SMS services, GPS offerings and gadget Architecture. Throughout the improvement of the first segment of the project, we have realized a good deal greater new competency ranging from indispensable ride in working as a crew and the new technologies. In the first segment of this venture we have finished some of the modules which consist of registration module in which person registers password and identity which is then used for login module to use the application.

In subsequent module we have given one set off button which has quite a few uses. This prompt button is used to allow silent mode and information service. In ultimate segment of this undertaking we have carried out all modules. We have supplied one alternative to consumer to add any 5 emergency contacts, any other one is to replace that brought contacts. Also, we have enforced one message field which will include one textual content message and hyperlink of the GPS vicinity having longitude and latitude ahead to these emergency contacts. Also, we have carried out one mechanism to ship a picture associated with that situation. It can be concluded that the machine helps in some of the instances the machine can furnish beneficial evidences. Since the device can seize photograph of incidences which can act as the evidences. This is the “Stay Safe App” which is very beneficial software broadly speaking for girl’s safety. When we experience that we are in emergency situation, for instance journeying by myself at night time time we can use this application. So that on one click on we can ship our region to our household individuals and to any police stations. So as soon as we click on on prompt button it consistently ship up to date areas messages to all licensed persons. So this utility is having each protection and safety which desires the engineering code of behavior which is integral in the today’s world.

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