A Survey on Smart Shaking Security System

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Abstract: **This Application is mainly developed for a person to provide help in such circumstances where no nearest help will be available or a situation where decision power not works efficiently as have to work. Females are not secure nowadays. There is always insecurity about safety and every women are conscious about safety. To pretend from any of unfortunate accident, we are developing this application. This Application not even help female user but it also provide help to male users too. Because problem or accident might be arises with anyone at anywhere, where location might be new or known. The need of this application is arises due to the increasing violation, sexual assaults, misbehavior against the female. The main objective of this application is to protect user from accident.**

Keywords: **safety, victim, android application**

1. Introduction

This Application is mainly developed for person to provide help in such circumstances where no nearest help will be available or a situation where decision power not works efficiently as have to work. Females are not secure nowadays, anywhere. In Indian economy, women's are sign of lord and powerful energy still then the harassment and un-humiliating behavior are the consequences. Person might belong from any region, any country or from any background, the safety is big issue. [2] In this paper we propose a system for monitoring harassment. It is essentially software installed on phone which informs the security.

A. Objective

- The main Aims and objectives of "SMART SHAKING SECURITY SYSTEM" is to provide security using GSM and Android Application.
- To provide help to unfortunate person using the android based application, is the main intention of this application.
- This Application send message to assigned or registered number using SMS manager which is fully offered by android.
- *GSM System Module:* Global System for Mobile communication (GSM) SIM card is inserted inside the mobile device to send and receive the messages using GPRS.
- GPS is a Global positioning system which is used to track the location by receiving the LOC, ENABEL command from the Control and monitoring application and it stops working by giving command as DISABLE using the network provider support.

B. Problem definition

In Accidental situation most of public or persons surrounded by accidental location they might not interested in a help because they don't want any of issues. No one would like to file a report or help the people because all the process is annoying for them.

2. Proposed System

- Screenshot 1: Home page: This is the home page of the smart shaking security system, the representation of the front shown in the above image where the application welcomes the user.
- Screenshot 2: Login Page: This is the second field of this system, which is a sign in form. In this sign in or login form, it asks to enter the mobile number or phone number and the respective password to check whether it is a registered user or not.
- Screenshot 3: Login Page: This is the next step to the login procedure where the system may display a message that we have login successfully in an application
- Screenshot 4: Registration Page: This is the registration page of the application where user have to registered first and then they are free to use the application
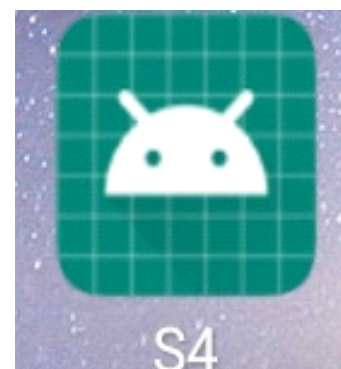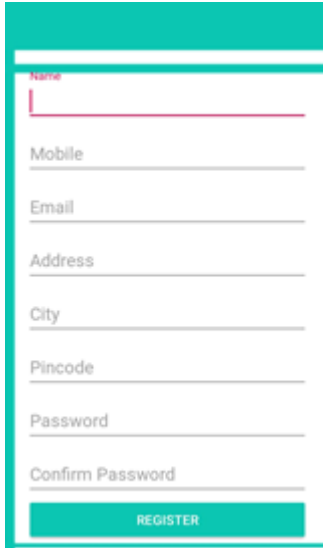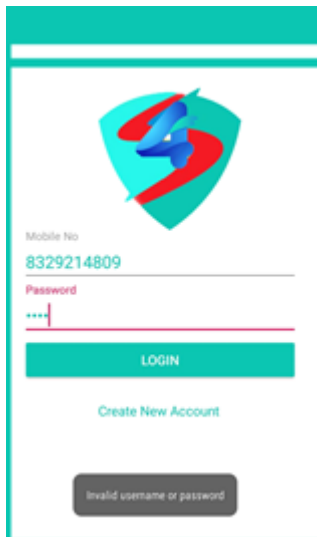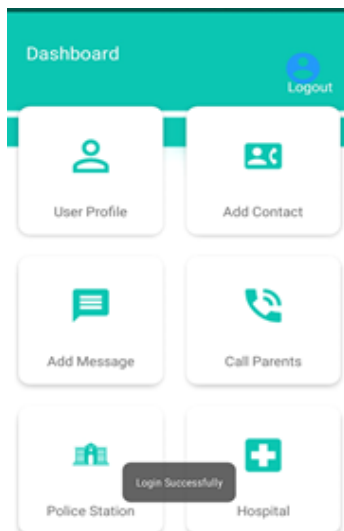

Fig. 1. Home Screen

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703

Fig. 2. Login Page

Fig. 3. Registration Page

Fig. 3. Successful Login

3. Conclusion

In this application we were providing a way to protect ourselves from any unfortunate conditions. Our application is also for the society where they can use the application for their safety. During the development process we communicate with each other and then take the correct decision to build a better system. These different knowledge techniques help us for developing an application and we have gained experience which will be helpful in future.

4. Future scope

In Future we can allow user only by shaking android cell phone. We can add gesture setting for recording audio, capturing video, capturing image, sending message and calling to recruited or assigned number with flexible allowance. We can allow guest user for emergency.

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