

Personal Safety App

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Abstract – Due to the recent increase in crime rates, personal safety is a very important issue. Women and children are the most affected. Women's safety has become a major issue. Due to physical / sexual abuse and fear of violence, they are deprived of their normal life. We would like to present a project that helps protect personal safety. The application name is personal safety app. It is an application with lots of features. Although these applications already exist in many countries. Our team is building cost effective and easy to use application, which will be used by lots of peoples in case of emergency and get the required help as soon as possible

Key Words: Personal Safety App, php, MySQL, HTML, CSS.

1. INTRODUCTION

At any emergency situation people get panicked and, in that situation, they may not be able to operate their smartphone applications, and cannot immediately defend the attacker and protect themselves. The proposed system can be useful for women and children for security purpose. It consists of a wearable safety device having sensors and an emergency button which when activated sends an alert message with location information to the victim's family and nearby police station. When confronting a potential life- threatening situation such as kidnapping, mugging or even robbery, the victim has very little time gap to think of the best way to escape from the situation. However, requesting for help is the most instant procedure for the victim to think of during the critical situation. In light of rapid concern of safety issue, mobile apps implementation may be extended into personal safety procedures.

2. Existing System

App meant for family members so that they can track each other in case of any situation. All the apps installed in the circle will be in sync. Messages can be sent in between as an extra safety measure. GPS related functionalities are the core aspect of this app. However, users have reported faults in that and it serves as the critical factor that serves as a blockage Login issues, like the app, get stuck while login in for few users Notification issues as many have complained that the notifications are either not coming up or coming frequently which causes a disturbance.

3. Methodology

We completed the following tasks in the manner described below in order to complete this project:

- Literature Review: In this stage, we go through a number of publications on this subject to learn about the present electricity-related problems that are occurring all over the world.
- Identify Problem: We do this by highlighting any problems we discovered after reading the papers.
- System Design: In this step, we create the user interface for consumers and officials of the electricity board so that they may access information about theft and electricity consumption.
- Simulation and analysis: We run the program and examine the results

4. Proposed System

The system comprises 1 major module with their sub-modules as follows:

USER:

- Scream Alarm
- The user can set a male voice scream alarm.
- They can also set a female voice scream alarm accordingly.
- Also, they can set police sirens.
- Fake Call Timer

Track Me

- Share location (on/off)
- A link is generated and then the user can send that web link to any member

Friends List

- List of friends and family member's details for quick access.

SOS (Manual or shake 5 times)

- An SMS/Email will be sent to all Friend lists with a location link.

5. Result

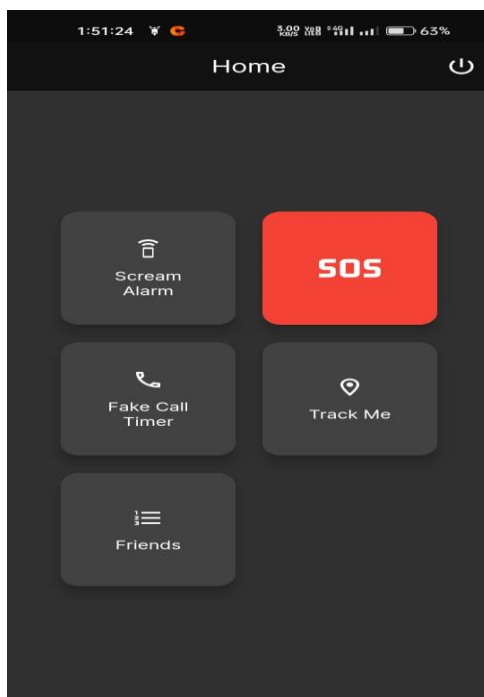


Fig -1: home page

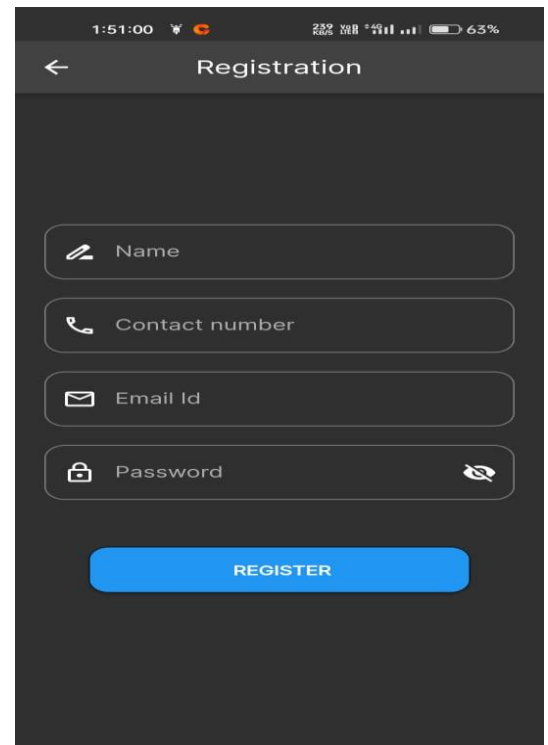


Fig -2: Register new member

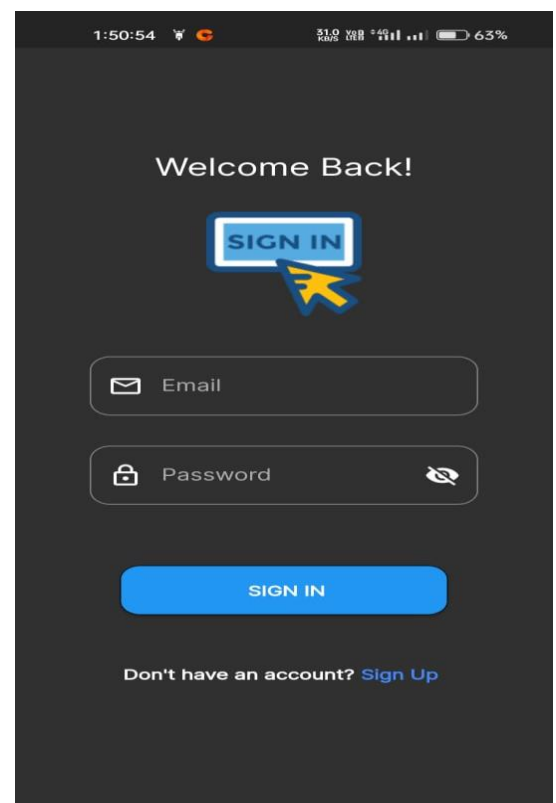


Fig -3: Admin Login

5. Conclusion

It can be concluded that our App provides a safe and secure environment to the people in the society, and allows them to live freely. Anyone before doing any crime against the anyone will be deterred and it help reducing the crime rate. This application will act like a weapon that will ensure the safety and security which works on the Smartphone with the android operating system. With further research and innovation, our project can be implemented on a small wearable device like watch, pendent, wristband which will be build using GPS and GSM modules. On triggering this system the GPS data will acquired by the GPS module and will encoded into a valid Google maps link and send through text messages to enlisted family, friends. In future will work on designing it more secure for decreasing the crimes at the lowest level. Additionally, planning to introduce two unique features in this application. That is hidden camera. As this is also a safety issue for women.

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