

Android Application for Implementation of Women's Safety

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Abstract: *With the help of constantly changing Internet technology, we can now stay in touch with anyone and almost any corner of the world. The same widespread Internet network can be used to help people who need it urgent. The phrase "Violence against women" is a technical term used to collectively refer to acts that are primarily or exclusively committed against women to harm them. Woman security is a critical issue, and it is much needed for every individual to act over such issue to safeguard them. When safety and security is concerned, a smart phone can become a powerful tool to prevent violence against women. This safety application proposed here aims at raising alerts and send notifications if anyone is facing any emergency in the form of any threat from anyone, health emergency, accidental emergency, etc. In this way, this android-based safety application can help a group of people stay connected help each other in case of any emergency in the least time possible*

Keywords: apps, android, mobile, safety, Women, etc

I. INTRODUCTION

Smartphones have become essential, and most people always have one on hand. Smart- phones have been considered a blessing as it has many capabilities and is not just limited to calling and text messaging unlike the regular mobile phone. It can be utilised by converting it into an emergency safety device that can be used when users are placed in a potentially unsafe and dangerous situation. It will ease the process of getting help by allowing users to quickly notify people of an emergency with a various feature. In today's rapidly evolving society, ensuring the safety and security of women has become an urgent priority. Women face various challenges and threats to their safety, ranging from harassment and assault to discrimination and gender-based violence. To address these concerns and empower women to navigate their daily lives with confidence, our team has developed the Women Safety Android Project. The Women Safety Android Project is an innovative and comprehensive mobile application designed specifically to enhance the safety and well-being of women. By harnessing the power of technology, our project aims to provide women with a reliable and accessible tool that can be utilized in various situations to ensure their security. In recent years, the safety and security of women have become significant concerns world- wide. While advancements in technology have brought about positive changes in various domains, they also present an opportunity to address these pressing issues. This project, Empower Her, aims to leverage the power of Android devices to enhance women's safety, providing them with a reliable companion and a means to seek help during critical situa- tions. Empower Her is a cutting-edge Android application designed to offer women a sense of security and peace of mind as they navigate their daily lives. With its intuitive inter- face and powerful features, this project aims to empower women, promote their safety, and combat the challenges they face in their personal and professional spheres.

II. PURPOSE

In recent years, ensuring the safety and security of women has become an increasingly pressing issue. Addressing this concern, our project, Empower Her, aims to leverage the power of Android technology to create a comprehensive solution for enhancing women's safety. By utilizing the ubiquitous nature of smartphones and the versatility of Android applications, EmpowerHer seeks to provide women with a reliable and user-friendly tool to help them navigate their daily lives with a greater sense of security and confidence. Women's safety remains a

critical societal challenge, with various forms of harassment, assault, and violence threatening their well-being. Traditional approaches to personal safety, such as self-defense training or emergency helplines, offer limited reach and effectiveness. Therefore, our project recognizes the need for a proactive, technology-driven solution that can empower women and help mitigate potential risks in real-time.

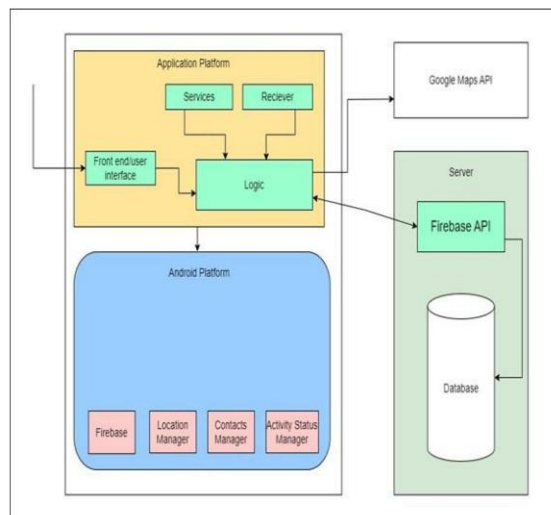
III. OBJECTIVE OF SYSTEM

- **Real-Time Location Tracking:** Implement a feature that allows users to share their real-time location with trusted contacts, such as family members or friends. This enables quick assistance in case of emergencies or distress situations.
- **Emergency Alerts:** Enable users to send instant distress signals or SOS alerts to predefined emergency contacts with just a single tap. These alerts can include the user's current location and any additional relevant information to facilitate swift response and assistance.
- **Safe Routes and Navigation:** Integrate a feature that provides users with information on safe routes and navigation options, particularly when traveling in unfamiliar areas or during late hours. This feature can suggest well-lit streets, populated areas, or designated safe zones based on user preferences and community feedback.
- **Guardian Mode:** Implement a guardian mode that allows users to designate trusted contacts as virtual guardians. These guardians receive notifications when the user initiates specific actions, such as leaving or arriving at a location, ensuring continuous monitoring and support.
- **Self-Defense Resources:** Offer access to educational resources, self-defense tips, and techniques within the application to empower users with knowledge and skills to protect themselves in challenging situations. This may include instructional videos, articles, or links to relevant training programs.

IV. PROPOSED SYSTEM

In this proposed system, the user writes the message content and also selects the contacts to which the message has to be sent and save it. So, when he is in some danger by just opening the app and pressing the HELP button, the message stored will be sent to those numbers he has added in this application. So that he can receive the help in correct time.

- To provide safety to women's.
- To provide integrity, confidentiality and security to user's data
- To collect dataset containing their information of 3 prime contacts and to alert them in case of danger.



Women's Safety Guardian application aims to leverage the capabilities of Android technology to empower women with tools, information, and support systems that enhance their safety, confidence, and peace of mind in daily life. By addressing the unique safety concerns faced by women and promoting proactive measures for prevention and response, the application strives to create safer communities and promote gender equality

V. RESULT



Fig.1 Dashboard

Here is screen of dashboard. where women can get options



Fig.2 Emergency Details

This is screen of emergency details where girls can contact with police, fire brigade and ambulance



Fig.3 SOS Emergency

This is screen of sos emergency screen

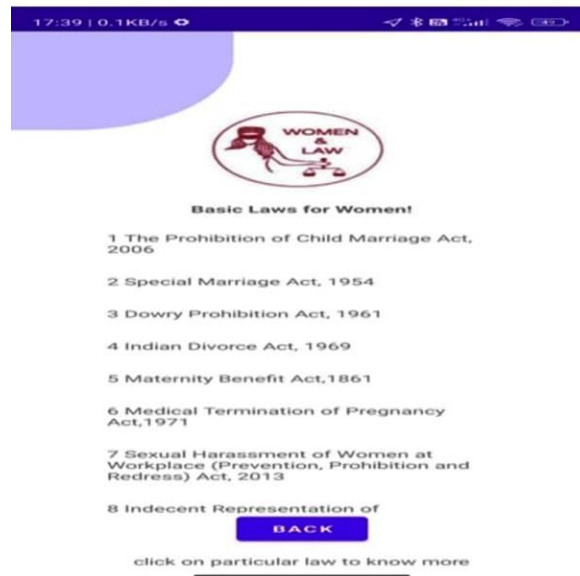


Fig.4 Laws for women

This is screen of womens laws

V. CONCLUSION

Unfortunately the safety of women is in doubt and security is not concerned. Many headlines still coming across again two m enindi ca t e s that increasing trends of such sexual assault, rapes still happening in today's generation. Around 80 percent of women are losing confidence and have fear towards the realization of freedom. So we are trying to contribute little efforts towards women which will ensure the safety and respect for women so that she can also have rights to grow equally like men. This mobile application is very much helpful for any one This application will help user with GPS location, the current address will be fetched and send it to any contact depending on user. Here the user

can take precautions before coming to the actual danger. This App also provided SMS alert Option with alarm and also Provide the women's Safety law Information with Self- Defence technique video for empower the women

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