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WSAFE : WOMEN SAFETY APPLICATION

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ABSTRACT: In today's world Victimization sensible phones having multiplied chop-chop and thence sensible phone may be used expeditiously for private security. A bunch of latest apps are developed to produce a security system to girls via their phones.The Women Safety System Android is a mobile application designed to empower and enhance the safety of women in various contexts, including urban environments, workplaces, campuses, and during travel. This innovative application leverages the ubiquity of smartphones and harnesses technology to address the pressing issue of women's safety. The primary goal of this application is to provide women with a comprehensive and easy-to-use tool that allows them to feel more secure, connected, and capable of responding to potential threats. The key features of the Women Safety System Android include realtime location tracking, emergency alerts, safe route planning, and information resources. Users can share their location with trusted contacts, request assistance in emergencies, and access educational materials on self-defense and safety guidelines.

KEYWORDS: Women Safety, sexual harassment, GPS,Self-defence,SMS, Call Alert Android Application

I. INTRODUCTION

Safety is a fundamental human right, and ensuring the safety of women is a societal obligation. Unfortunately, women continue to experience various forms of harassment, assault, and discrimination in different settings. In light of these challenges, it is crucial to harness the power of technology to create tools and solutions that enable women to protect themselves and access help when needed. Moreover, Women protection is still a serious issue in various countries like India. Gender ideologies in India have seen an improving sign among all people within the society in upbringing the social status of women in different workplaces and environments but the status of women security remains the same or has been worsened. So we develop a system who find the safest path for the women while she is going outdoors alone. And also we provide safety to that women when she is in the trouble or in the helpless condition, she can also notify the situation to the family members or to the nearest police stations.

II. LITERATURE SURVEY

Today in the current global scenario, women feel less secure to go outside. They are facing so many consequences in this independent world. Here, we are focusing on a scenario where the women walking alone in the road faces harassment either from the front or backside during day or night time. To overcome these issues, we have developed a smart portable device which can track the current location of the victim. When they feel insecure, their heartbeat increases which can be measured by the pulse sensor and their stress level is monitored and women may be able to convey the misery message through our smart device to the trusted contacts and the cops. Such smart security devices can give quick responses for emergencies and prevent women from potentially shocking experiences. In addition to this, we can monitor certain parameters like hemoglobin level of blood, the oxygen level in the blood, pulse rate, stress. The main advantage of this device is small and easy to carry. The use of sophisticated components in this device gives more accuracy and it is more reliable. We are looking for the day where every woman can walk independently on the road.

Women's are not safe anywhere and are most vulnerable when traveling alone into lonely roads and deserted places. Existing hand held safety devices for women require human intervention for activating the device such as pressing the button or shake the device etc after sensing the danger. We propose a solution which will try to overcome the disadvantages of the existing systems and also aim at providing false proof safety to women. The proposed work aims at designing an IoT based safety device that relies on providing security to women by fingerprint-based method of connectivity to the device and alerting nearby people and police when a women is not safe. An unsafe situation is sensedby fingerprint verification for a minute then it will automatically alert nearby people and police if the device

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senses no signal. Moreover, for first-hand safety, shockwave generator is also designed that women can use to attack the perpetrator. Additional features such as sending group messages, audio recording are also part of the proposed design.

Women and girls have been experiencing a lot of violence and harassment in public places in various cities starting from stalking and leading to sexual harassment or sexual assault. This research paper basically focuses on the role of social media in promoting the safety of women in Indian cities with special reference to the role of social media websites and applications including Twitter platform Facebook and Instagram. This paper also focuses on how a sense of responsibility on part of Indian society can be developed the common Indian people so that we should focus on the safety of women surrounding them. Tweets on Twitter which usually contains images and text and also written messages and quotes which focus on the safety of women in Indian cities can be used to read a message amongst the Indian Youth Culture and educate people to take strict action and punish those who harass the women. College Short Form Name, Department of Computer Engineering 2023 7

Nowadays women are facing many security problems in the society. In such cases, they feel handicap and need help to protect them. Even though many technologies have been introduced for women still kidnapping, eve teasing and sexual harassment are taking place in our country. When the women face into unsecured situations, to ensure the safety, automatic detection system needs to establish which send an alert message which includes the location of the police department. This can be done by sensing various factors such as abnormal sounds, body reaction like trembling, dreading and heartbeat which can be sensed using sensor and to provide the alert message.In this paper, we surveyed the existing mechanism for detecting locations, for sending communications and collecting physical parameters of the human body using sensors. College Short Form Name, Department of Computer Engineering 2023 8

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or travel in a public transport. College Short Form Name, Department of Computer Engineering 2023 10

Nowadays, personal safety has become a significant problem for everyone, but especially for women. A recent survey made by WHO indicates 35 percent of women, globally, facing some form of abuse and physical violence. The count of victim is gradually increasing. Here we introduce a system which makes sure the women protection. The device can be easily carried and could be taken whenever they sense the danger. The project idea is to provide a swift responding and reporting safety device for women. The application helps women to overcome with fear and can

III. MODULE IDENTIFICATION

The Women Safety Android project is a mobile application designed to address the safety and security concerns of women in various aspects of their lives. It offers a comprehensive tool that aims to empower women, enhance their personal safety, and provide access to vital resources. The project is initiated to create a safer and more inclusive environment for women and to help them navigate safety concerns with confidence. In this chapter we are going to have an overview about how much time does it took to complete each task like- Preliminray Survey Introduction and Problem Statement, Literature Survey, Project Statement, Software Requirement and Specification, System Design, Partial Report Submission, Architecture Design, Implementation, Deployment, Testing, Paper Publish, Report Submission. This chapter also gives focus on stakeholder list which gives information about project type, customer of the proposed system, user and project member who developed the system.

IV. MODULE DESCRIPTION

Admin

• In this module,the Admin has to log in by using valid user name and password. After login successful he can do some operations such as View All Users and Authorize, • End User • In this module, there are n numbers of users are present. User should register before doing any operations. Once user registers, their details will best or to the database. After registration successful,he has to login by using authorized user name and password. Once Login is successful.

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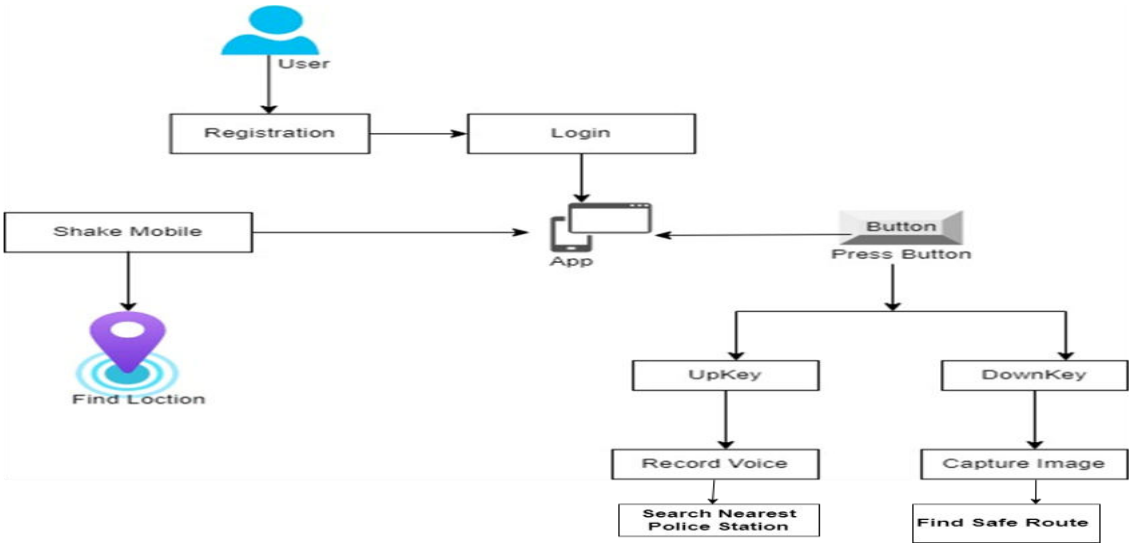
V. SYSTEM ARCHITECTURE



V. CONCLUSION

This project about the existing safety application for women and children and comes out with idea for making safe environment for women in the society, and allows them to go anywhere fear free. and it help reducing the crime rate against the women.The Women Safety System Android project represents a significant step towards addressing the critical issue of women's safety and security in our society. Safety concerns, harassment, and violence against women continue to be pressing challenges that restrict their freedom and opportunities. In response to these issues, we have developed a mobile application that aims to empower women, enhance their personal safety, and provide access to crucial resources.

VI.FUTURE SCOPE

Future Scope includes the real time implementation of the proposed system in tiny size with the additional components heartbeat sensor for monitoring the heartbeat of women in every second by measuring variation in blood volume in tissues and analysis of various parameters related to heart beat for individual women.Future work could explore direct integration with law enforcement agencies to improve response times in emergency situations

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