

Intelligent Safety Application for Women: Survey

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ABSTRACT

Women's safety has been a major concern and a very important task for everyone. Sexual violence against women has become one of India's most important public safety issues. Cruelty to women can be eliminated with the help of our application "Nirbhay". These issues include not knowing where the crime is, and not knowing at all what the crime is: in the abuser's end, access to the police is certainly a challenge and a wise one. To help eliminate these issues, this paper introduces a mobile app called "Nirbhay" that provides women with a reliable way to make emergency calls to the police. The user can activate the call easily and intelligently by moving his phone, or by interacting directly with the visual user of the app by pressing the PANIC button on the screen. A message containing the user's location, along with the contact details of the pre-selected emergency contact list, is immediately sent to the police. This paper describes the application, its development, and its technological implementation. "When safety and security are at stake" the Smartphone becomes a powerful tool to prevent violence against women. Keeping this in mind, the apps are designed to provide comfort to the person in distress. And the small amount of development proposed in this paper, adds to the better performance of these devices and leads to better safety for women.

Keywords: - Application, Emergency, GPS Tracker, Bluetooth access, Security, Android studio.

1. INTRODUCTION-

Women's safety is an epic thought which has been the most important topic to date. Women's safety matters a lot whether at home, outside of the home, or working place. Few crimes against ladies particularly rape cases were terribly trepidation and fearful. Most women of an assortment of ages, to this day, are being subjected to violence, domestic abuse, and rape. As ladies ought to travel late at 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 females these days carry their smartphones with them, so it is necessary to have at least one of the personal safety apps installed. Such a security app for ladies will facilitate in a way or the opposite. This is a user-friendly application that can be accessed by anyone who has installed it on their smartphone. We intend to provide you with the fastest and simplest way to contact your nearest help. In this system user needs to feed three contact numbers, in case of an emergency on moving the phone up and down thrice, the system sends SMS and calls on one of the numbers fended into the system with the location. The phone starts vibrating and the siren starts ringing. This features for both everyday safety and real emergencies, making it an ultimate tool for all. A special software program is easily downloaded and installed on mobile phones devices such as Smartphones. The use of 'application' has become very popular with "Google Play Store". In this paper, other applications were created to know about women's safety is ok or not, the current status of the woman by touching the option, which also

shows the location of the woman who gave her the call, video transfer, fake calls, and location of the person, and the application with instructions.

2. PROBLEM STATEMENT-

All the safety devices have been used some applications which we have to install on our mobile. Sometimes it is very hard to open mobile in the time of emergency. Also somehow it is very difficult to open a mobile phone in the time of emergency. Also during a case of kidnapping the kidnapper firstly snatches the victim's phone and switches it off because of this reason victim is unable to do all the important things. These android applications need some time for doing all the procedures and in nervousness sometimes it is very difficult to perform these operations. Sometimes the app does not work properly because of a network error or the mobile phone is not activated properly. For improving these things mobile phones have to activate. It is also possible that mobile phone does not support the app because of the mobile OS.

3. LITERATURE REVIEW-

Mr. Indrajeet A. Mane [1] writes about the use of smartphones equipped with GPS. Over the past five years, GPS has grown rapidly from 3% to more than 20%. The use of smartphones is very efficient for personal safety or various other protection purposes, especially for women's safety. The project presents a personal safety application that is developed for women's safety. '**Stay Safe App**' is developed for smartphones of the android platform. By using the app, if a user is in danger, the application will ensure help just in one click it will open and simply send messages to registered contact. The application sends the user's location to the registered mobile number. The key feature of this application is it sends an immediate message to the registered number along with the victim's location. And also registered contacts and GPS locations will also saved in the database of the application.

Prof. Basavaraj Chougula et al. [2] gives their new perspective on new technology for use in women's safety. In which the system will automatically activate and sends an emergency message to all the registered contact number including the police number.

Poonam Bhilare et al. [3] describes a GPS-based tracking of vehicles in which the system will track the victim's vehicle and send messages to the registered contact number with location. The vehicle's location can simply be viewed on Google maps.

Koss et al. [4] Changing of mental health of women after getting accused or physically harassed, the mental health of them like their memory will be affected. They also face clarification problems.

Abhaya [5] the paper, simply describes an application which names '**Abhaya**'. This app simply helps to identify the victim's location through GPS and send it on to registered contact numbers. Along with this one of the registered contact, numbers will also get the automatic call for the root device. The system can identify the exact location of the victim. For future purposes, this app is enforced with database law, and it also includes all regional cops. It can be used on IOS and Windows platforms also.

4. BASIC CONCEPTS/TECHNOLOGY-

GPS monitoring structures are connected to a satellite navigation device that receives records from satellites in the area. GPS tracking systems may be used for car tracking, fleet control, belongings security, personal protection, and greater. The simple use for GPS tracking structures is for the patron to set and get hold of an actual-time step-through-step course.

The risks related to the usage of Bluetooth for tracking do no longer just occur on the time the statistics are amassed, however, keep as long as it's miles saved — especially once it has been linked to individual options to Bluetooth including apps accumulating GPS and Wi-Fi area data, or authorities government going directly to telecommunications operators themselves despite the drawbacks of Bluetooth, several which we've explored on this primer, it's a miles much less intrusive tracking method than some alternatives.

Android Studio is the professional[7] incorporated improvement environment (IDE) for Google's Android working system, constructed on Jet Brains' IntelliJ concept software and designed mainly for Android development.[8] it's far available for download on Windows, Mac OS, and Linux-based operating systems or as a subscription-based carrier in 2020.[9][10] it's miles an alternative for the Eclipse Android development equipment (E-ADT) because of the primary IDE for local Android application development.

Android Studio changed into introduced on may also sixteen, 2013, at the Google I/O conference. It became in early get right of entry to preview stage beginning from version 0.1 in May 2013, then entered beta stage starting from model 0. eight which became launched in June 2014. [11] The first stable build was released in December 2014, starting from model 1. zero. [12] On May additionally 7, 2019, Kotlin replaced Java as Google's favored language for Android app improvement. [13] Java continues to be supported, as is C++. [14]

5. CONCLUSION-

All the applications and devices are built by using new technologies. This application is very helpful for all the women who are suffering from any of these problems. Women's security or safety is very important in today's scenario. Through this paper, we are just proposing a very useful application for the safety purpose of women. From this application, we are trying to protect women from attackers. By using this app just with one click a victim is able to protect from attackers. The app is based on android so it is very easy to use and anyone can use it in time of trouble. While it is sometimes difficult to use when the phone is not charged or it is not updated, for this we are trying to improve our app and make it useful in those situations also. So, for future purposes, this app plays a very vital role in women's life.

6. REFERENCE-

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