



A MOBILE APP FOR FEMME SECURITY

¹ L. Liciya Jenifer, ² Dr. D. Roselin Selvarani

¹M.C.A. Student, ²Assistant Professor,

Holy Cross College, Trichy, Tamilnadu

Article History- Received: April 2021; Published: June 2021

Abstract

The safety of women is a primary concern everywhere as the exposure of women in every field of life is increased day by day. Earlier women were limited within the four walls of the home but not they got more opportunities to stand equally in all aspects of life at par with men. But the safety of women matters a lot whether they are at home or in working place. Violence against ladies particularly rape cases were terribly dread and fearful. Women of any age, till today, are being subjected to more violence such as domestic abuse, eve teasing, sexual harassment, rape, etc. The primary issue in handling these cases by the police lies in constraints that prevent them from responding quickly to calls of the distress. These constraints include knowing the location of the crime, knowing the crime is occurring at all at the victim's end and reaching the police assuredly and discreetly. To overcome these constraints, this paper introduces an App for Femme Security which provides protection for women when they encounter violence against them. It gives a reliable way to place an alert to the police and guardian contacts through Alert button. The user can easily interact with the user interface by a simple press of Alert button on the screen that send an alert message. A message containing the geographical location of the user is immediately sent to the police and also registered guardian contacts. This application also saved the outgoing and incoming calls from the user so that contacts can refer these details in case they need.

Keywords: *Application, Location, Alert button, Guardian contacts, Security Message*

INTRODUCTION

Women are proficient at preparing various gatherings for a regular reason. They frequently work across such as ethnic, strict, political, and social partitions to promote peace. We are generally mindful of significance of woman security, however, we should understand that they ought to be appropriately ensured. Woman are not as genuinely solid as men, in a crisis circumstance some assistance would be a improvement for them. The most ideal approach to limit your odds of turning into a casualty of fierce wrong doing such as theft, rape, assault, aggressive behaviour at home is to recognize and approach assets to assist you with excursion of hazardous circumstances. Regardless of whether you're in quick inconvenience or get isolated from companions during a night out and don't have the foggiest idea how to return home, having these applications on your telephone can diminish your hazard and bring help when you need it. A host of new apps have been developed to provide security systems to women on their phones. Here we present an application which guarantees the wellbeing of women. This assists with distinguishing and approach assets to help the one out of hazardous circumstances. These reduce chance and bring help when we need it and help us to distinguish the area of the one in harm's way. This application intended to give security to woman primary motivation behind this application to give the mindfulness on the time of basic situation for women.

REVIEW OF LITERATURE

Authors explain an Android application for the safety of Women and this application can be actuated this application by a solitary snap, at whatever point need emerges. A solitary snap on this application distinguishes the area of spot through GPS and communicates something specific containing this area URL to the enrolled contacts and furthermore approach the primary enlisted contact to help the one in hazardous circumstances. The one-of-a-kind element of this is to send the message to the enlisted contacts consistently for at regular intervals until the "stop" button in the is clicked. Persistent area following data by means of SMS assists with finding the area of the injured individual rapidly and can be protected securely [1].

Focuses on the Safety of Women attempts to forestall the dangers that may be occurring to woman. The application can be initiated by a solitary snap, at whatever point need emerges to alarm the individuals related with the lady. A solitary snap on this application recognizes the area of spot through GPS and communicates something specific including this area URL to the enlisted contacts to help the one in perilous circumstances. Nonstop area following data through SMS assists with finding the area of the unfortunate casualty rapidly and she can be safeguarded securely [2].

In [3], the author presents "SheSecure Safety App – The Hexa Umbilical Cord" that ensures the various security features to prevent from various victims, the main motto of this app is to prevent women in strange situations. It does not require internet connections except for any features. The contacts are registered through network providers. In case of emergency this is

used to trace the location of the user and the contacts of the nearby police stations using GPRS, video and audio can be recorded for 10 seconds and then forwarded to registered contacts.

In [4], the author provides I Safety portable application and caution their gatekeepers that the lady is in harm's way. By basically contacting the application it sends the require the first included watchman number and sends the message that she was in harm's way and sends the area message to the all spared gatekeeper contacts. Through this versatile application we can caution the individuals at home that a lady having a place with their home is protected or not.

In [5], the author explains SCIWARS (Spy Camera Identification And Women Attack Rescue Application) which will assist with keeping from being casualty of any sort of assault or spy cameras. This application contains two modules, first module will recognize Hidden cameras, which are covered up in lodgings room, evolving rooms. The subsequent module will helps unfortunate casualties from assault like physical viciousness, on the off chance that exploited people feels unbound and defenseless whenever, at that point by squeezing any key of her versatile persistently the alarm message is send to closest police control room, family, Ambulance, Friends which are in crisis list that alarm message will contains the whole area of that unfortunate casualties spot and pictures of that area which are taken by camera of her portable. This will encourage unfortunate casualties to maintain a strategic distance from assault and it likewise assists with policing to arrive at that place as quick as feasible for give assistance to injured individual and spare her from assault.

In [6], an application the mix of GPS gadget and particular programming to follow the area just as give alarms and messages sending a picture related with circumstance is given. Presently a days because of as of late happened cases, for example, assault by drivers or associates, robbery and so on., worker security, particularly ladies representative security has gotten significant. Application utilizes the Global Positioning Application innovation to discover the area of individual. The data of individual gave by the gadget can be seen on Google maps utilizing Internet.

An application utilizes GPS and GSM methods is explained. The Application utilizes the Global Positioning Application innovation to follow the area of the client vehicle and Global Application Messaging to send the message to the close by police. The message is likewise sent to the enrolled contacts. The most preferred position this application is that assists with sparing the injured individual from the physical assault and furthermore encourages the police to follow/grasp the offender. It makes conceivable that each young lady will have the option to move uninhibitedly on the roads even in odd hours without obsessing about their security [7].

In [8], the application takes into account knowing accurate area of the person, when the trigger key on the belt is squeezed. By giving the moment area of the upset unfortunate casualty to the police with the goal that the occurrence could be forestalled and the guilty party secured. On the off chance that if the guardian needs to know the present area of the woman, he/she can do as such by sending a SMS to the SIM number of the woman which contains a mystery secret

word. At that point this application reacts to such demand by sending back a SMS containing area data regarding Latitude and Longitude.

SYSTEM STUDY

Existing application

Today's world women travel alone for different reason and their safety and security plays an important role in the society. But question always remains about the security measures available in society. The existing applications are of wired applications and most of them are alarming applications which is conventional and cannot communicate efficiently. Few popular Women's Security Apps are already available in market such as Vith U app, safetypin app, women security app, bsafe app etc. All the existing applications must be connected to the GPRS service to work properly, hence cannot be used during emergency if there is no internet connectivity. Sometimes Monitoring was tedious and Mischance also arriving rate

Proposed application

The proposed application especially for women safety and it overcomes the disadvantages of existing applications. This application is developed using JAVA with the frontend XML and backend MySQL. In this proposed application when the women are in danger it can be immediately inform to the registered guardian contacts. This application saved the outgoing and incoming calls from the user that can be viewed by the registered contacts. If the victim cannot be reached by any cost, then we can find the last active location using GPS and also the guardian contacts that is saved on the mobile can browse over the contacts that is already saved in the mobile and can reach the victim.

Experiment

"Mobile App for Femme Security" is developed in IDE called Android Studio 3.3 using JAVA with the frontend XML and backend MySQL. It is used to rescue the women from unsafe conditions by sending the alert message to the rescuers. This application provides women with a reliable way to place an alert to the police and guardian contacts through ALERT button. While pressing the alert button, it sends message with geographical location to police and registered guardian contacts. This application also saves the outgoing and incoming calls from the user, which can be viewed by the registered contacts/police. Suppose the guardian contacts cannot reach the users phone, in this application is easy to find last active location and it's also saved to mobile can fetch the users contact that is already saved and reach the victim.

Compare to existing system, this application gives more security and also provides better user-friendly environment for the users.

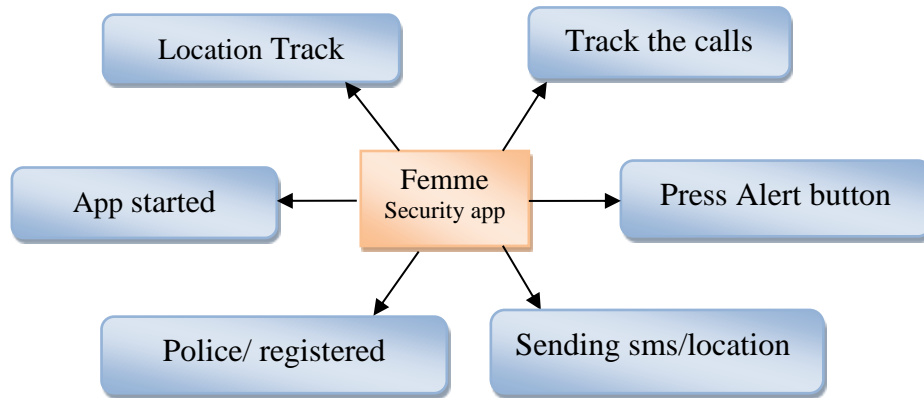


Fig:1 Block diagram for Femme Security app

CONCLUSION

The Mobile App for Femme Security is very useful mainly for safe guarding the women. This application is highly scalable and user friendly. Almost all the application objectives have been met. Because when a woman is in danger position, she simply touches this Femme app and alert her guardians that she is in danger. By simply touching the app it sends the call to the added guardian number and sends the message that she is in danger and sends the location message to the saved guardian contacts. This is not only useful for women but also to guard everyone from the unsafe conditions.

REFERENCES

- 1) Ravi Sekhar Yarrabothu ,Bramarambika Thota, “Abhaya: An Android App for the safety of women”, Annual IEEE India Conference (INDICON), ISSN: 2325-9418, 2015.
- 2) R. Harini, P.Hemashree, “Android App for Women Security Application”, International Journal of Computer Science and Mobile Computing, Vol.8, Iss.10, October- 2019, pg. 54-59, 2019
- 3) Nirmalrani V, Saravanan P, Kalpana S, SheSecure Safety App- The Hexa Umbilical Cord, Vol.5
- 4) Sridhar Mandapati, Sravya Pamidi, Sriharitha Ambati, A Mobile Based Women Safety (I Safe Apps), IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p-ISSN: 2278-8727, Vol. 17, Iss.1, Ver. I (Jan – Feb. 2015), PP 29-34.
- 5) VaijayantiPawar, N.R.Wankhade, DipikaNikam, KanchanJadhav, NehaPathak VaijayantiPawar, SCIWARS Android App for Women Safety et al Int. Journal of Engineering Research and s www.ijera.com ISSN : 2248-9622, Vol. 4, Iss. 3, March 2014, pp.823-826
- 6) Indrajeet A. Mane, Miss. Jyotsna R. Babar, Miss. Snehal S. Patil, Miss. Sarika D. Pol4 Prof. Mrs. Nikita R. Shetty, Stay Safe, International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395 -0056 Vol. 03 Iss. 05, May-2016

- 7) Yadhu Naik, Vittal Kumar K Vagga, Deepa, Sthree Raksha -An Android App, M, International Journal of Recent Trends in Engineering & Research (IJRTER) Vol. 02, Iss.10; Oct - 2016 [ISSN: 2455-1457]
- 8) Nikita Singh, Harshali Pawar, Shreya Rukari, Srushti Raut, Prof. B.V. Jadhav, Self Defence Application for Women Safety with Location Tracking and SMS Alerting, International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653, Vol.6, Iss.2.
-

How to cite this article:

L. Liciya Jenifer, Dr. D. Roselin Selvarani, "A Mobile App for Femme Security", International Journal of Intelligent Computing and Technology (IJICT), Vol.5, Iss.1, pp.21-26, 2021