WOMENS SAFETY MOBILE APP

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ABSTRACT

This Women Safety application is used for protects womens from Crimes.Women safety matters a lot whether at home, outside the home or working place.Most of the women of various ages, till this day are being subjected to violence, domestic abuse. In this system user needs to feed three contact numbers, in case of emergency on moving the phone up and down thrice, the system sendsSMS and calls on one of the numbers feeded into the system with the location.The phone starts vibrating and siren starts ringing. Women's safety is a big concern which has been the most important topic till date. Women safety matters a lot whether at home, outside the home or working place. Few crimes against ladies particularly rape cases were terribly dread and fearful. Most of the women of various ages, till this day are being subjected to violence, domestic abuse, and rape. As ladies ought to travel late 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 of the femalesthese days carry their smartphone with them, so it is necessary to have at least one the personal safety appsinstalled. Such a security appfor ladies will definitely facilitate in a way or the opposite. This is user-friendly application that can be accessed by anyone who has installed it in their smart phones. Our intention is to provide you with fastest and simplest way to contact your nearest help. In this system user needs to feed three contact numbers, in case of emergency on moving the phone up and down thrice, the system sends SMS and calls on one of the numbers feeded into the system with the location. The phone starts vibrating and siren starts ringing. This features for both everyday safety and real emergencies, making it an ultimate tool for all.

KEYWORDS

Womens safety, gps, fingerprint scans.

1. INTRODUCTION

This Womens safety is a very important issue due to rising crimes against women these days. To help resolve this issue we propose a gps based womens safety system that has dual security feature. This device consists of a system that ensures dual alerts in case a woman is harassed or she thinks she is in trouble. This system can be turned on by a woman in case she even thinks she would be in trouble. It is useful because once an incident occurs with a woman she may or may not get the chance to press the emergency button. In a button press alerting system, in case a woman is hit on the head frombehind, she may never get the chance to press panic button and no one will know she is in trouble. Our system solves this problem. This device is to be turned on in advance by a woman in case she is walking on a lonely road or some dark alley or any remote area. Only the woman authenticated to the devices can start the system by fingerprint scan. Once

started the devices requires the woman to constantly scan her finger on the system every 1 minute, else the system now sends her location to the authorized personnel number through SMS message as a security measure and also sounds a buzzer continuously so that nearby peoplemay realize the situation. In this case even if someone hits the woman or the woman falls down and get unconscious, she does not need to do anything, the system does not get her finger scan in 1 minute and it automatically starts the dual security feature. This device will prove to be very useful in saving lives as well as preventing atrocities against women. The device uses GPS sensor along with a gsmmodem,lcddisplay,leds and microcontroller based circuit to achieve this system. To develop an adaptive system for the End-users that support the system support features. It should be highly secured authentication system. It maintains privileges among set of users. The emergency alert feature activates with the users command and the system is protected after the alert process. Functionality will be transparent to end user and easy to use.It is useful because once an incident occurs with a woman she may or may not get the chance to press the emergency button. In a button press alerting system, in case a woman is hit on the head from behind, she may never get the chance to press panic button and no one will know she is in trouble. Our system solves this problem. This device is to be turned on in advance by a woman in case she is walking on a lonely road or some dark alley or any remote area. Only the woman authenticated to the devices can start the system by fingerprint scan.

The cases of harassment and rapes on women are increasing hence security issue for such woman is more important. So, it is essential to develop a system to provide security to women. In this he devised a system allows women to protect themselves from attackers. In recent days the attacks on women are increasing and sometimes they are not even able to take their mobile and dial-up to police, this system will help women in such situations to inform about attacks and also in giving their exact location to a nearby police station for necessary action. In this, the author designed a device, in that, by pressing the button of the device a message along with her location will be transmitted by the system to the police station and her few relatives, so thatthey will get aware of her current situation.He told that withthat message she is also for their defensive purpose they can able togive a shockto the attacker it will be more helpful to women at that critical situation, this system is designed as the defence equipment, it will them to attack the attacker. So, she has some time to rescue herself from that attacker.

The second section discuss about the literature review and continued by problem statements. The fourth section gives the experiments and results followed by the conclusion and future enhancement.
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2. PROBLEM STATEMENT

Architecture Diagram

The existing system Project of security application provides the user alert by calling manually in the smartphones, the user cannot transmit the data of their location immediately and cannot protect the devices as soon as possible.Now a days we don't have like this facilities, In case any emergency situations we should make calls to Police or official by themselves.So, this is hardest things to do at that situations.

Traditional Education

Traditional education is also called customary education or conventional education. The main motive of traditional education is to pass on the values, manners skills and the social practice to the next generation which is necessary for their survival. In traditional education the student

learns about the customs and tradition of the society in which he lives. This type of education is mostly imparted to the students by the means of oral recitation.

There is very less written work or practical work. The students simply sit down together and listen to the teacher or another who will recite the lesson. The traditional does not include written tests but it includes some oral tests which are not very formal. Traditional education is very far from the use science and technology. Neither the education about sciences we study today in a great detail is imparted in the traditional education system. Traditional education system basically included the knowledge about customs, traditions, and religions. That is why it is called traditional education.

E - Learning

E - Learning is learning utilizing electronic technologies to access educational curriculum outside of a traditional classroom. In most cases, it refers to a course, program or degree delivered completely online.

There are many terms used to describe learning that is delivered online, via the internet, ranging from Distance Education, to computerized electronic learning, online learning, internet learning and many others. We define eLearning as courses that are specifically delivered via the internet to somewhere other than the classroom where the professor is teaching. It is not a course delivered via a DVD or CD-ROM, video tape or over a television channel. It is interactive in that you can also communicate with your teachers, professors or other students in your class. Sometimes it is delivered live, where you can "electronically" raise your hand and interact in real time and sometimes it is a lecture that has been prerecorded. There is always a teacher or professor interacting or communicating with you and grading your participation, your assignments and your tests .

Figure : 1 Architecture Diagram

3. EXPERIMENTS AND RESULTS

Modules

The project "Women Safety Mobile App" consists 3 modules for optimizing education system.

1) User app module
2) Guardian app module
3) Server module

User app module

- Initially the women security app needs to be installed in the mobile.
- Then user should enroll her ID, Name, Phone number.
- And then click on register button.
- Then it display registered successfully.
- If that mobile number is already registered it will display this number is already registered.

Guardian app module

- Initially the guardian app needs to be installed in the mobile.
- Guardian should enroll their phone numbers.
- And click on register button.
- Then it display registered successfully.
- If that mobile number is already registered it will display this number isalready registered.

Server module

- After installation of guardian app and victim app two tables are created in server model.
- Two tables are victim table and guardian table.
- Victim table contains five columns VID, VNAME, PHONE -NUMBER, LATITUDE, and LONGITUDE.
- Guardian table contains three columns PHONE NUMBER, LATITUDE, LONGITUDE.
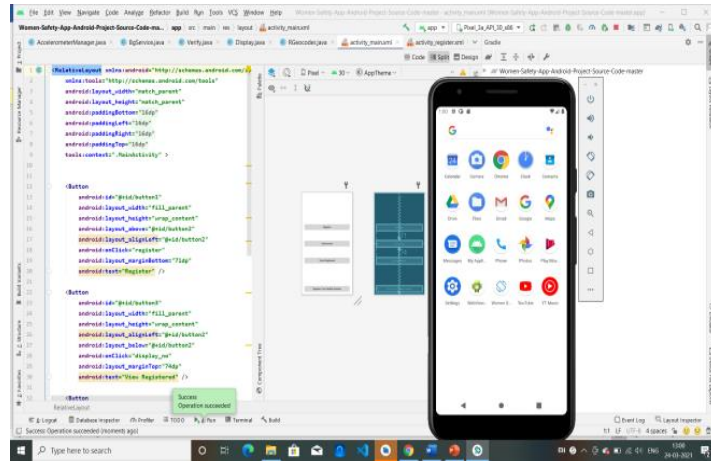
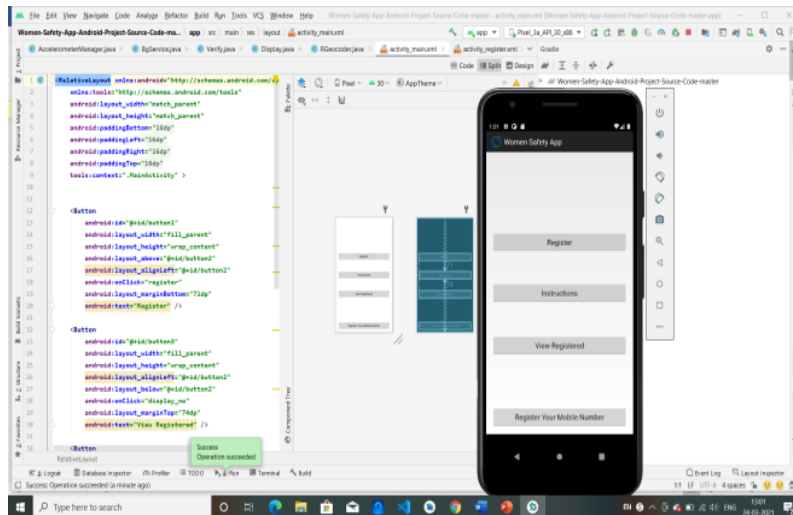## Output Screen

Figure : 2 Home Screen
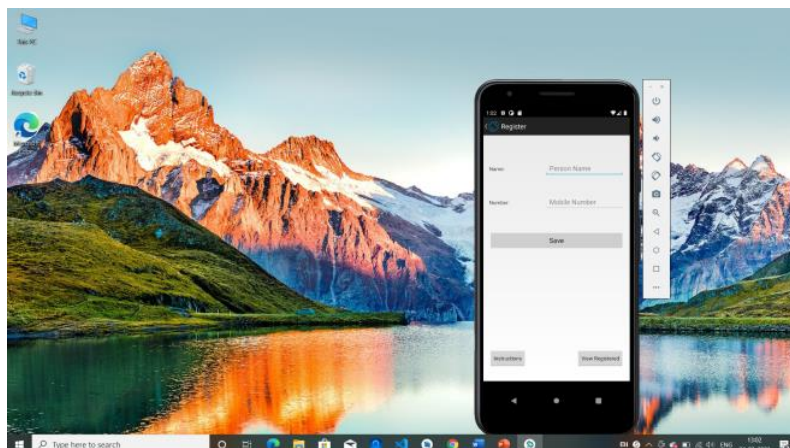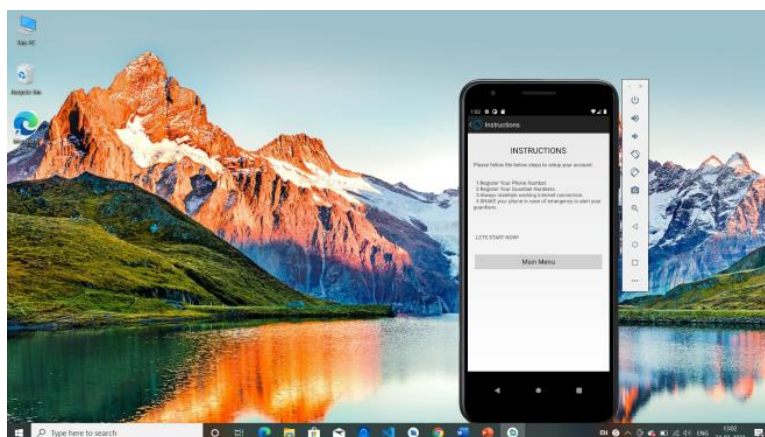

Figure : 3 Women Safety App

Figure : 4 Login Page

Figure : 5 Menu Page

PERFORMANCE ANALYSIS

The existing and proposed systems are analyzed. The problems can be easily rectified with this concept. Nearly 70% of the performance has been increased.

4. CONCLUSION

Women can be powerful actors for peace, security, and prosperity. When they participate in peace processes and other formal decision-making processes, they can play an important role in initiating and inspiring progress on human rights, justice, national reconciliation and economic revitalization.

5. FUTURE ENHANCEMENT

In this Women Safety android application we can easy to handle any crime situations. Whenever a women in trouble they can simply move phone up and down thrice, then it will make call or SMS to pre-defined police or family mobile phone numbers. So, using this advanced technology we can prevent any kind of crimes especially for women's and child.

REFERENCES

[1] Design and Implementation of Women Safety System Using Mobile Application in Real-Time Environment S. Juhitha1 , M. Pavithra2 , E. Archana3 1,2Student, Department of Computer Science & Engineering, Panimalar Institute of Technology, Chennai, India 3Assistant Professor, Department of Computer Science & Engineering, Panimalar Institute of Technology, Chennai, India

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[3] An Android Based Application for Women Security Prof. Sankalp Mehta1 , Sachin Janawade 2 , Vinayak Kittur3 , Suraj Munnole 4 , Sandhya Basannavar5 Assistant professor1 , Student2, 3, 4, 5 Department of Computer Science and Engineering K. L. E. College of Engineering and Technology, Chikodi, Karnataka, India.

[4] World Health Organization, Global and Regional Estimates of Violence against Women, http://apps/who/int/iris/bitstream/10665/85239/1/9789241564625 eng.pdf, p. 2.

[5]   National Crime Records Bureau (Ministry of Home Affairs), "Crime in India 2012 Statistics," Government of India Press, June 2013

[6]   Dhruv Chand, M.; Sankaranarayanan, S.; Sharma, C., "Project Jagriti: Crowdsourced child abuse reporting," Global Humanitarian Technology Conference (GHTC), 2014 IEEE , vol., no., pp.609,613, 10-13 Oct. 2014 doi: 10.1109/GHTC.2014.6970346

[7]   Jou-Chih Chang; Pi-Shih Wang; Kang-Hsuan Fan; Shih-Rong Yang; De-Yuan Su; Min-Shiung Lin; Min-Te Sun; Yu-Chee Tseng, "iMace: Protecting Females from Sexual and Violent Offenders in a Community via Smartphones," Parallel Processing Workshops (ICPPW), 2011 40th International Conference on , vol., no., pp.71,74, 13-16 Sept. 2011 doi: 10.1109/ICPPW.2011.57

[8]   VithU: V   Gumrah   Initiative   on   the   Google   Play   Store: https://play.google.com/store/apps/details?id=com.startv.gumrah.   Accessed   2015-06-01.   [6] Nirbhaya: Be Fearless: http://www.nirbhaya.mobi. Accessed 2015-06-01.

[9]   International Labour Organization, 2012, "ILO Global Estimate of Forced Labour: Results and Methodology," p. 14, Geneva. [8] F. Vanderschueren, 2000, "The Prevention of Urban Crime." Paper presented at the Africities 2000 Summit, Windhoek, Namibia. Cited in UN-HABITAT, 2006, State of the Worlds Cities 2006/2007, p. 144, Nairobi.

[10] Directorate-General for Employment, Industrial Relations and Social Affairs, 1998, "Sexual harassment at the workplace in the European Union," p. iii, Brussels, European Commission. Cited in UN General Assembly, 2006, "In-depth Study on All Forms of Violence against Women: Report of the Secretary-General," A/61/122/Add.1, p. 42, New York.

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