## *MINOR PROJECT*

## *(Based On IMCA – 607)*

## *Women Security App*

## *Submitted*

## *By*

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## *(Master Of Computer Application)*

## *(VI Sem)*

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## *CANDIDATE DECLARATION*

***I hereby declare that the minor project work being presented in this report entitled “WOMAN SECURITY APP” submitted in the department of school of computer, FACULTY OF TECHNOLOGY, IPS Academy, Indore is the authentic work carried out by me under the guidance of Anshu Biyani, Professor, Department of School Of Computer, IPS Academy.***

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## SYNOPSIS

**Title of Project:**

Woman Security App

**Introduction of Project:**

This application designed to provide security to women main purpose of this application to provide the awareness on the time of critical situation for women. Generally you can active this service by clicking on ACTIVE SERVICE button. When you clicking on this button service get activate and know whenever you click on VOLUME key it open a new window and send SMS to those contact which you saved at the time of registration the SMS contain your message and your current location.

This application is provide deactivate service also when we fill secure this application is mainly required correct information to fill otherwise this app will not work correctly.

**Objective of the Project:**

The main objective of this project is provide highly reliable security system for the safety of women.

The proposed system is based advanced sensors, Microcontroller and GSM.

*We are giving attention on building an effective, fast and needful system to make the women of India feel safe and empowered.*

*Our platform will act as a 24/7 active help and companion for women so that they don’t ever feel that they are alone in the middle of a crisis situation.*

*It will unite and enable the citizens of India and the police to work towards a common problem. This tool will act as eyes and ears for the police and help them in preventing crimes against women. This tool has been designed in such a way that it covers the various situations a woman can be stuck in like when she is alone or when she is in a crowded place or when she is in a public transport etc. everything will be included there.*

*So that we can help any women in her panic situation and can save her*

***Scope of the Project:***

*Scope of the project is very broad in terms of other tracking system. It is online as well as offline system. The can be used insecurity world of women. It helps to efficiently increase the security and safety of women’s.*

***Project Plan:***

*A project plan is a series of formal documents that define the execution and control stages of a project. This plan includes considerations for risk management, resource management and communication, while also addressing scope, cost and schedule baselines. Our project plan describe about women security app it’s requirements and it’s scope.*

***The Existing System:***

There is a variety of application for women protection when they are in dangerous situation. The disadvantages of using these applications are they only send the alert messages to the saved contacts. Because of previous systems there is less possibilities of overcome the dangerous situations of women. Previous applications also have google location tracking system for to track the women location but it has not specific range. Existing system don’t have the feature that is it don’t sends the alert message to nearby cell phones.

We have mentioned many Android applications having similar feature to my application. In all those applications, victim’s location is sent only once to the registered contacts in different forms like SMS, EMAIL etc. But in practical situations, the victim may not be kept at one place standing, she may be moving around. So, in all those applications, we can know only one location immediately after the start of the application, but practically after sometime she may not be present at that place. The unique feature of my application is location is sent continuously for every five minutes till “STOP” button in the application is pressed. So, even if the woman is made to move around in the city, because of this feature of continuous location tracking, she can be rescued quickly and safely. Also, one of the contacts will be receiving a call, sometimes there may be chance for people not seeing the SMS, but after receiving the call they get alert and can look at the SMS and can identify that their near ones is in danger quickly**.**

***Areas for Improvement:***

*Eye watch system for Women captures audio and video of the user’s surroundings and sends it to the registered contacts along with an alert message. This has been praised for high location accuracy, functioning without GPRS and Safety confirmation feature. On reaching the location safely the user can inform their near ones by pressing the I am Safe button.*

***Proposed System:***

*The proposed system will be implemented with the help of android application. Which will alert the nearby people who having this application by sending alert messages to them and alert sound in the guardian mobile on shaking of victim mobile? Also sends messages and alert sound to the saved contacts in the application and police station. Which also show the location of the victim with the help of GOOGLE GEO LOCATION tracker system? Which also make sound in guardian mobile when his/her mobile in silent mode.*

*To develop a system for android users for keeping track through several applications. This application uses GOOGLE GEO LOCATION for identifying the location of the person in trouble and the system can be divided into two modules:*

*First module can be the victim’s phone i.e the root device which uses 3G/2G data connection for tracking the location of the victim through GOOGLE GEO LOCATION.*

*Second module can be the mobile phone of registered contacts either police or friends or family members which receives the message containing URL of location of victim that is sent from the root device.*

***Input / Output Requirement:***

***Input requirement:-***

1. *User’s name*
2. *Contact number*
3. *Address*
4. *Contact list*
5. *Current location*

***Output requirement:-***

1. *In panic situation a alarm should be beeped at the device of victim’s frequent list.*
2. *Victim’s location should be displayed over there.*

***Hardware and Software Requirement:***

*Front End: HTML5, CSS3, Bootstrap*

*Back End: PHP, MYSQL*

*Control End: Angular Java Script*

*Android Tools:*

*Android Emulator*

*xampp-win32-5.5.19-0-VC11*

*Android SDK – adt-bundle-windows-x86*

*IDE: Eclipse Mars*

*jdk-8u66-windows-i586*

*PHP Tools:*

*xampp-win32-5.5.19-0-VC11*

***Future Scope of the Project:***

*Our 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 and children in every second by measuring variation parameters related to heart beat for individual women and children.*

*There is scope for future development of this project. The computer technology keeps finding new methods and technologies on a day to day basis. It is dynamic and not static. The skills which is prominent today will become obsolete in a few days. To keep in pace with the technical developments, the system may be additionally improved. So, it is not concluded. Yet it will improve with further changes and can be integrated with minimal alteration. Thus the project is flexible and can be improved at anytime features.*

**Conclusion:**

The problem of the women safety is increased rapidly in this environment, so I proposed as an effective Android application to prevent such type of the suspicious or natural disaster, by alerting the concern authorities using the android mobile phone which helps to stop such type of illegal activates and to trace the concern.