Rakshak – A Smart Women Safety Android Application

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Abstract – In today's world, human beings the use of clever telephones have expanded swiftly and hence, a clever telecellsmartphone may be used effectively for non-public safety or numerous different safety purposes. The heinous incident that outraged the whole kingdom have waken us to move for the protection troubles and so a number of recent apps had been advanced to offer safety structures to girls thru their telephones. This paper affords Rakshak, an Android Application for the Safety of Women and this app may be activated this app via way of means of a unmarried click on, on every occasion want arises. A unmarried click on in this app identifies the area of area via GPS and sends a message comprising this area URL to the registered contacts and additionally name on the primary registered touch to assist the only in risky situations. The particular characteristic of this software is to ship the message to the registered contacts constantly for each 5 mines till the "stop" button with inside the software is clicked. Continuous area monitoring facts thru SMS enables to discover the area of the sufferer fast and may be rescued safely.

Keywords – SMS, Location, Android Application, Contacts, Security, Tracking.

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INTRODUCTION

Women are done at mobilizing various companies for common causes. They regularly paintings throughout racial, sacred, opinionated, and highbrow divides to inspire tranquility. We are aware about significance of ladies' safety, however we have to understand that they must be nicely secured. A Woman isn't a great deal effective while in comparison to guys physically, in a disaster scenario and wishes a supporting hand to alleviate them. The high-quality manner to limit probabilities in turning into a sufferer of violent crime (robbery, sexual assault, rape, home violence) is to become aware of and speak to on assets that will help you out of risky situations. Whether you're in immediate hassle or were given separated from pals in the course of night time and do now no longer recognize a way to get home, having those apps to your telecellsmartphone can lessen your chance and convey help while you require it. In the mild of new outrage in Delhi which shook the state and woke us to the protection problems for our daughters, public are gearing upbeat in one of a kind approaches to combat back. A swarm of recent apps had been advanced to offer safety structures to ladies on their phones. Here, we introduce an android app that guarantees the protection of ladies. It reduces the chance and allows us in want via way of means of figuring out the region of man or woman who's in danger.
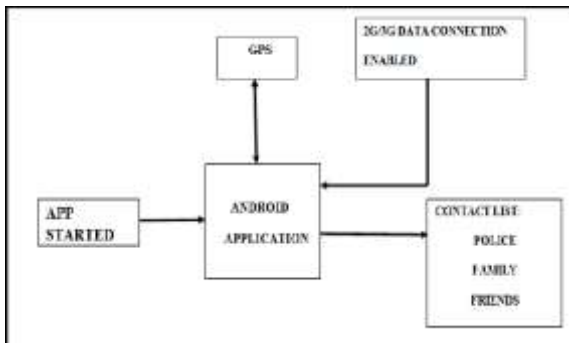
LITERATURE REVIEW

As part of literature survey, we investigated a few programs that provide the identical or comparable offerings for android and different platforms. The purpose is to look how those programs paintings and to look how they may be improved. Today the instances of atrocities on girls are growing. In those sorts of instances, a clever telecellsmartphone performs an crucial function for protection of girls. Now android is budding on a few apps for girls protection purpose. These apps are as follows –

FIGHTBACK:- This app is advanced through Mahindra faction. In in advance days, this app turned into now no longer complimentary, purchaser need to catch up on this app. But after Delhi gang rape incident, this app is reachable at no cost. This app sends a message on your buddy or contacts that "person is in trouble" thru E-mail, SMS and GPRS. This app works on the ones mobiles that aid Android Java Programming.

GLYMPSE – SHARE GPS LOCATION: - This is the latest software advanced on January 28, 2015. This

app is a fast, loose and an easy manner to percentage our region the usage of GPS monitoring in actual time with pals and family. This app does now no longer want any sign on and do now no longer want any contacts to manage.

Block Diagram:

METHODOLOGY

This project includes five modules and is listed below:

1. Authentication

2. Add Emergency Contacts:

3. Add Personal Information

4. Change personal Information

5. Sending SMS

1. **Authentication:** Authentication module includes all of the facts approximately the authenticated Person. Authentication is the system of verifying the identification of a Person via way of means of acquiring a few kind of credentials and the usage of the ones credentials to affirm the users" identification. If the credentials are valid, the authorization system starts. Authentication system constantly proceeds to Authorization system. User without her username and password can't input into the login. If she is simplest the authenticated Person, then she will be able to input into her login.

2. **Add Emergency Contacts:** In this module consumer upload the Emergency Contacts. It includes facts approximately the Id, Name, Mobile Number1 and Mobile Number2. The Emergency Contacts are saved with inside the database and retrieved while an emergency message wishes to be sent.

3. **Add Personal Information:** In this module consumer enters the Personal Information. It includes facts approximately the Id, Name, Mobile Number, e-mail identityentification

and address. The Personal Information is saved with inside the database.

4. **Change Personal Information:** In this module the consumer can her alternate or replace the Personal Information. It modifications may be completed to facts like Name, Mobile Number, e-mail Id, Address. The modified private fact receives up to date with inside the database.

5. **Sending SMS Information:** It is the middle module of this application. In this module the girls safety function is added. This app is activated via way of means of a unmarried click on via way of means of the girls every time she feels that she is in a stranded situation. A unmarried click on in this app identifies the place of the area thru GPS and sends a message comprising this place URL to the registered emergency contacts and to the closest police station straight away and to perform the rescue operation as quickly as possible.

CONCLUSION AND FUTURE WORK

This paper describes the software, Security Alert that is designed in android platform for safety of girls with the aid of recent improvements in cellular technology. In this project to use which is useful for the person while she is in a few problem or desires any assist. When the person opens this software, she can see a HELP button. Also, she can store a message and three touch numbers. When the person is in a few problems or desires any assist button. So, while the person opens this software can see a HELP button. Click that button to send SMS to sign up person. For future development, this software can be integrated with the regulation enforcement database (e.g. city police control room database) alternatively of experimental database used right here within side the project. Also, a few further upgrade may be done while the cellular community isn't always to be had for the foundation tool and additionally if the root tool is switched off. Thus, this app can assist in a huge way to rescue the girls or guys from risky conditions.

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